

BSD-RACING

1/10 4WD ELECTRIC-POWERED WATERPROOF BUGGY

MODEL NO : BS221T/BS221R

FEATURES:

Length: 495mm

Width: 305mm

Height: 190mm

BS221T

ESC: 40A ESC

Motor: RC550

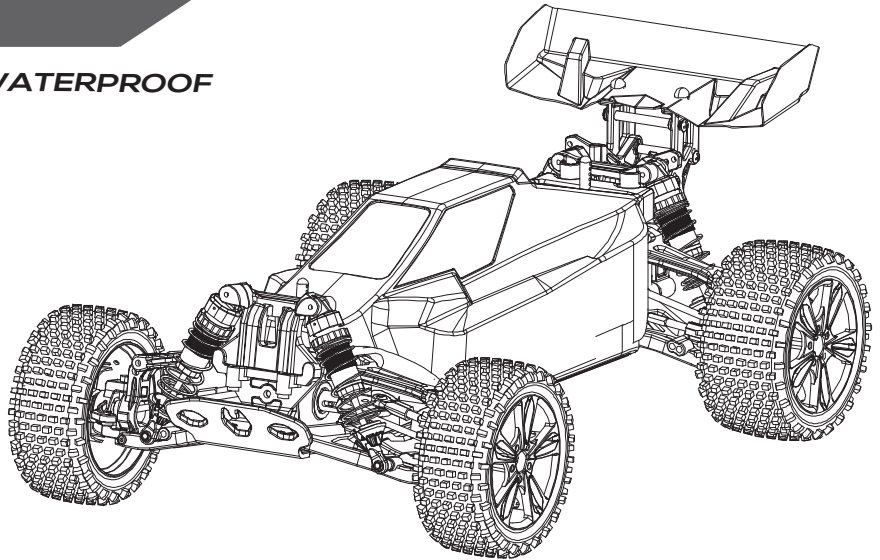
Battery: 1800mAh NI-MH

BS221R

ESC: 45A ESC

Motor: RC 540 KV3421

Battery: 3200mAh Li-po



Instruction Manual

1/10 4WD ELECTRIC-POWERED WATERPROOF TRUCK

MODEL NO : BS222T/BS222R

FEATURES:

Length: 488mm

Width: 295mm

Height: 185mm

BS222T

ESC: 40A ESC

Motor: RC550

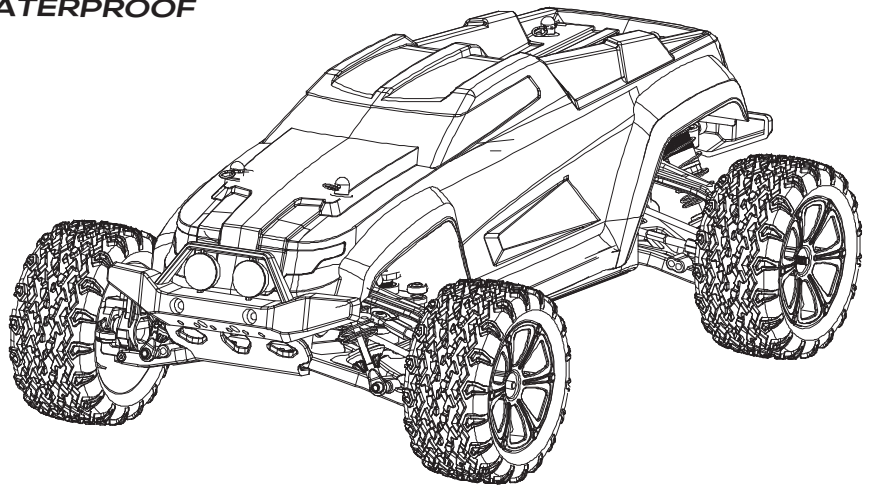
Battery: 1800mAh NI-MH

BS222R

ESC: 45A ESC

Motor: RC 540 KV3421

Battery: 3200mAh Li-po



Instruction Manual

1/10 4WD ELECTRIC-POWERED WATERPROOF TRUCK

MODEL NO : BS223T/BS223R

FEATURES:

Length: 490mm

Width: 330mm

Height: 190mm

BS223T

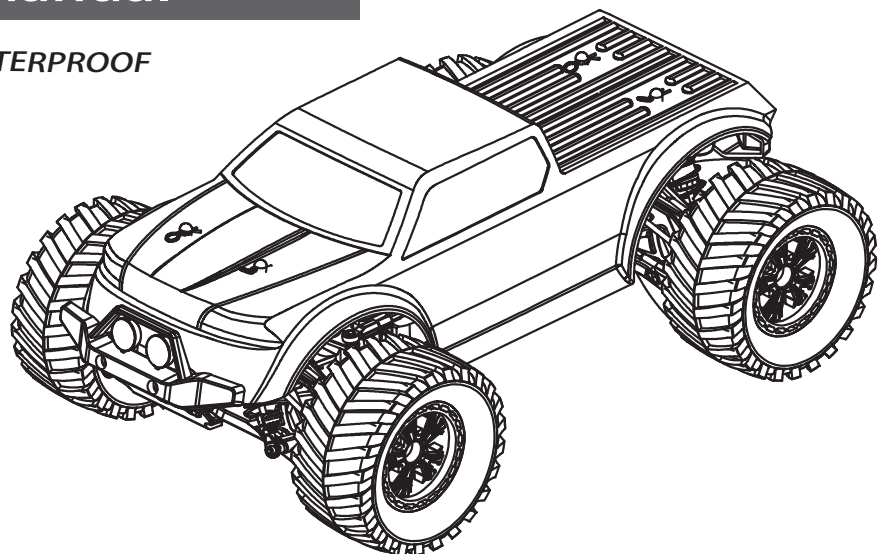
ESC: Brushed 40A ESC

Motor: RC550

BS223R

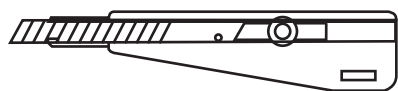
ESC: 45A Brushless ESC

Motor: Brushless MOTOR KV3421



Required equipment for operation

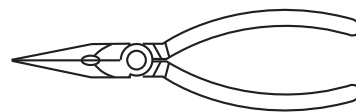
1. Tools required for building and maintenance:



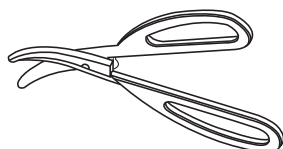
● Hobby knife



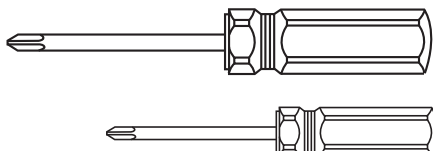
● Precision ruler



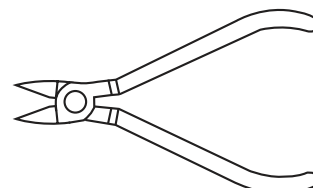
● Needle nose pliers



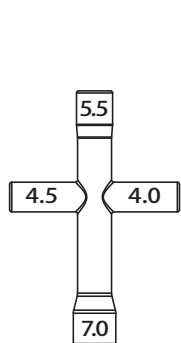
● Lexan scissors



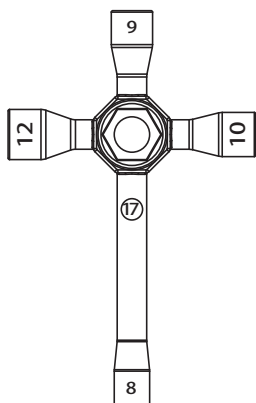
● Flat and Philips screwdriver



● Wire cutters



● Cross wrench



● Cross wrench



● CA glue&rubber cement



● Thread locking compound

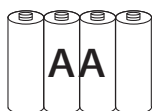


● Hex wrench

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:



4pcs AA alkaline batteries for transmitter

IMPORTANT!

Check all the screws are tight before playing the vehicle!

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.

Safety 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.

Battery charging



If your transmitter, receiver use a lithium polymer, 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.

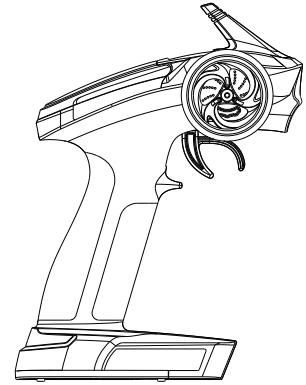
Switching system between system AF HDS and system AFHDS 2A

System switching: turn the steering wheel and press the “BIND” button when turn the transmitter on.

The current system is AFHDS if the green LED keeps flashing. Press the “B I N D” button to save the current system.

The current system is AFHDS 2A if the green LED flashes twice every time. Press the “BIND” button to save the current system.

Restart the transmitter, and the current system is what you saved before.

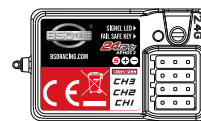


Transmitter specifications

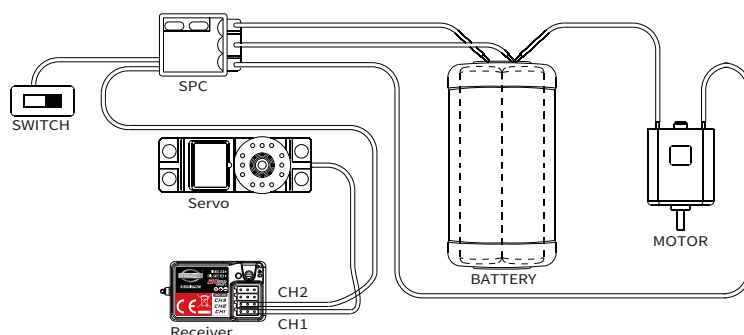
Channels: 2
Model type: car /boat
RF range: 2.405-2.475GHz
Bandwidth: 500KHz
Band: 141
RF power: less than 20 dBm
2.4G system: AFHDS2A and AFHDS
Code type: GFSK
Sensitivity: 1024
Low voltage warning: less than 4.2V
DSC port: 3.5mm ; output: PPM
ST range: 70 L:35 R:35
TH range: 45 F:35 B:15
Charger port: no
ANT length: 26mm
Weight: 239g
Power: 6V DC 1.5AA*4
Display mode: LED indicator
Size: 210*95*160mm
Color: black

Receiver specifications

Channels: 3
Model type: car /boat
RF range: 2.405-2.475GHz
Bandwidth: 500KHz
Band sum: 141
RF receiver sensitivity: -98dBm
2.4G system: AFHDS 2A
Code type: GFSK
Sensitivity: 1024
Power: 4.0-6.5V DC
ANT length: 26mm
Weight: 5g
Size: 35*22*12mm
Color: black
Certificate: CE FCC



Installation when a motor controller is used



Remark: Place the receiver antenna upright and perpendicular to the horizontal plane. Keep the receiver antenna away from any metal objects to ensure max sensitivity. (See pic1)

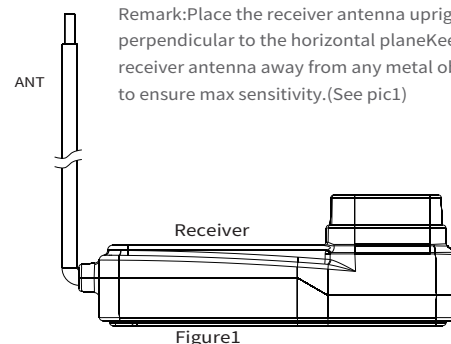
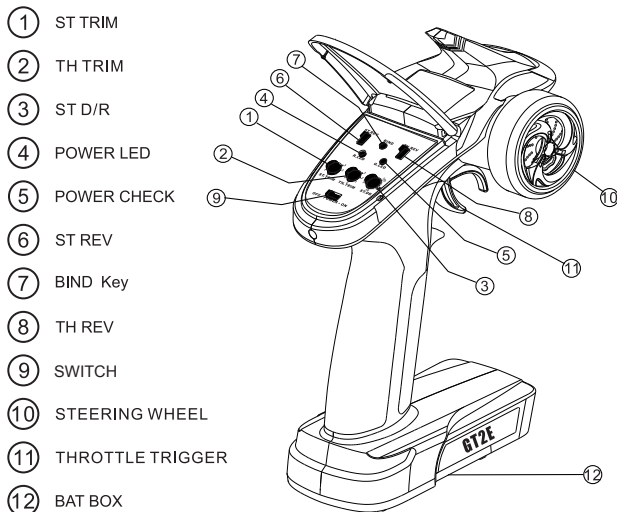


Figure1

Each part of the transmitter



Failsafe Instruction

1.Function

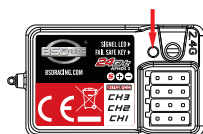
Failsafe aims to prevent out-of-control driving of RC car or RC boat. If the Receiver is not able to receive any signal, from the control to throttle, the parameter of throttle on receiver will turn back to its original setting.

2.Setting

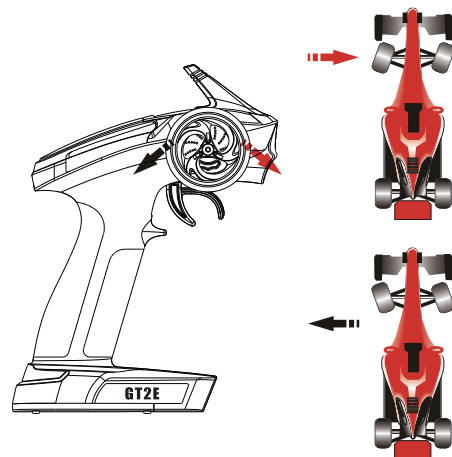
- Turn on the Transmitter switch;
- Turn on the Receiver switch. the LED will be lighting;
- Adjust Transmitter's Throttle, make the car/boat to stop or flameout, then keep still.
- Press the "Setting" button on Receiver (as the pic below). the LED will be flashing, then stop after 3 seconds around, which means setting finished.

3.Testing

- Turn on the Transmitter switch;
- Turn on the Receiver switch;
- Turn off the transmitter switch;
- Servo of throttle will turn back to its original setting automatically;
- Setting is successful if above procedures finished completely.



Steering control



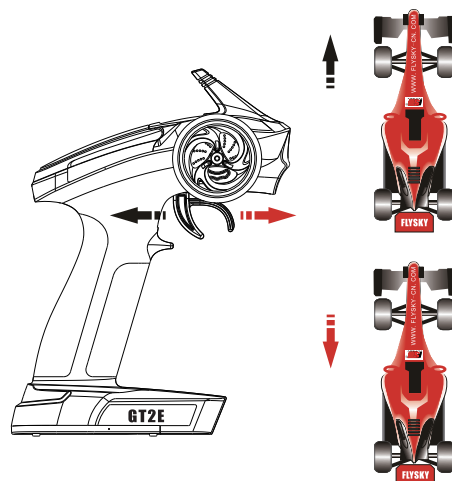
Function Introduction:

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.

Throttle control



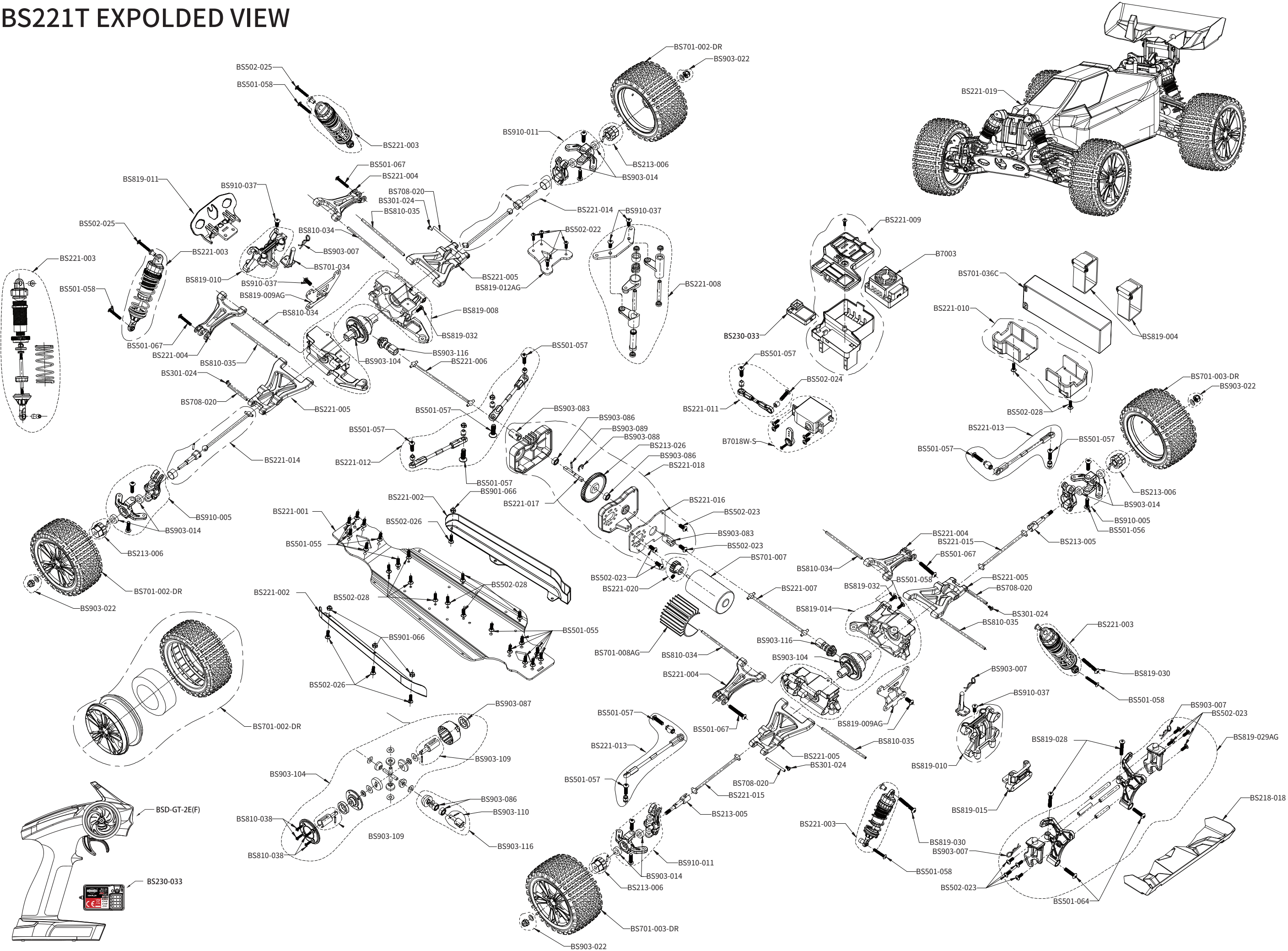
Function Introduction:

This function is to control the throttle speed. when pull the throttle 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).

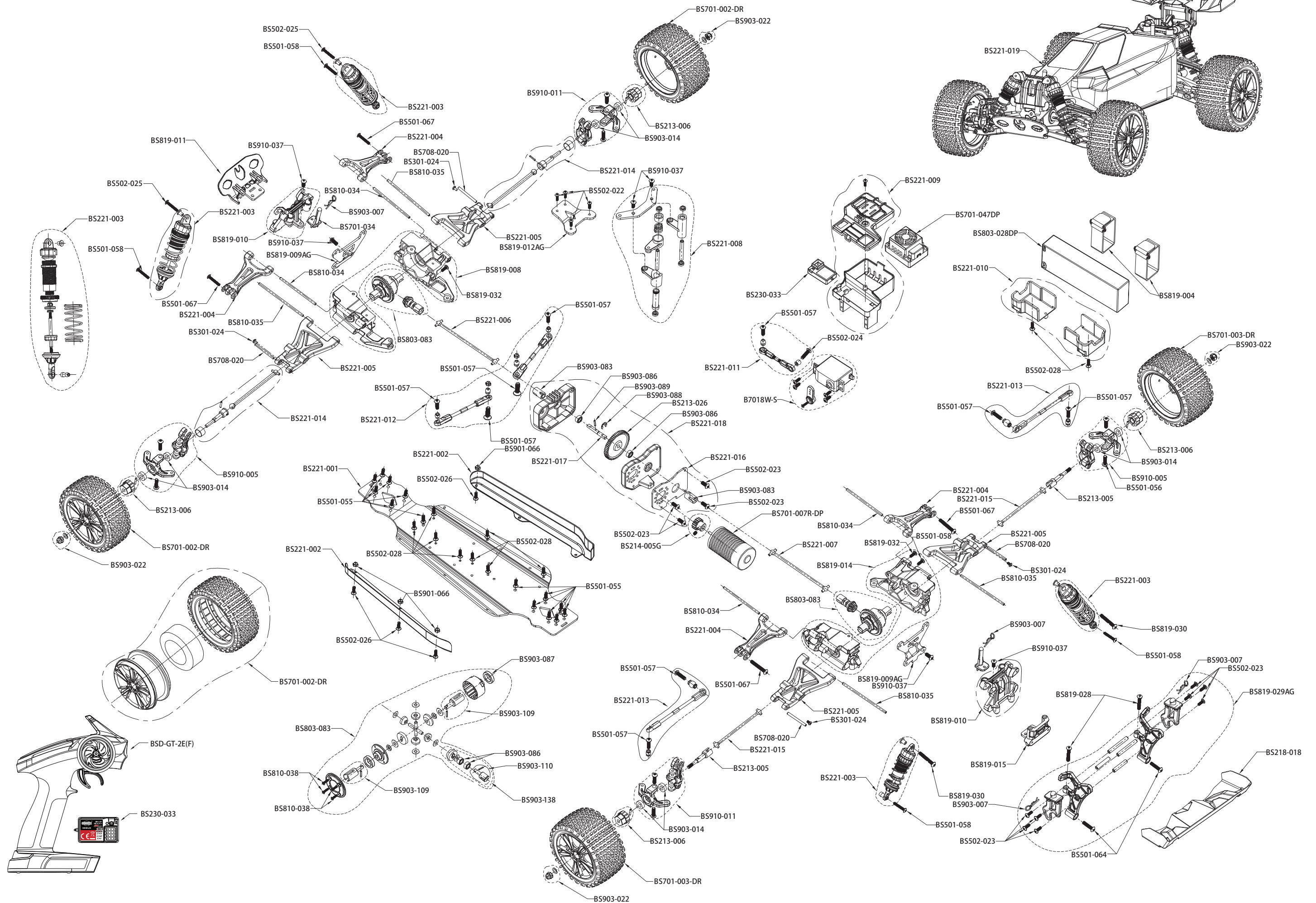
Operation Method:

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

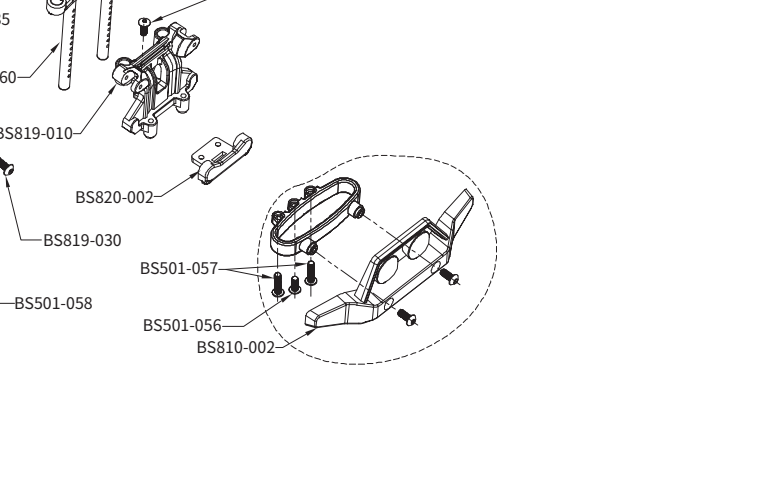
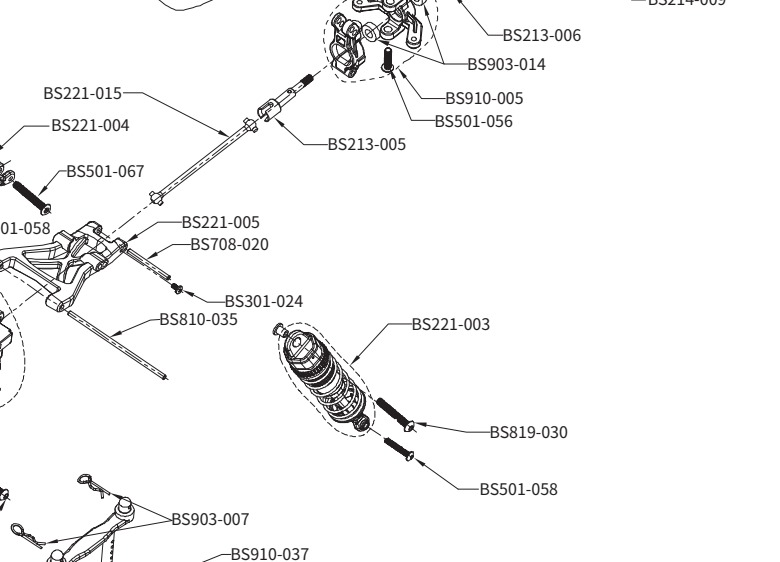
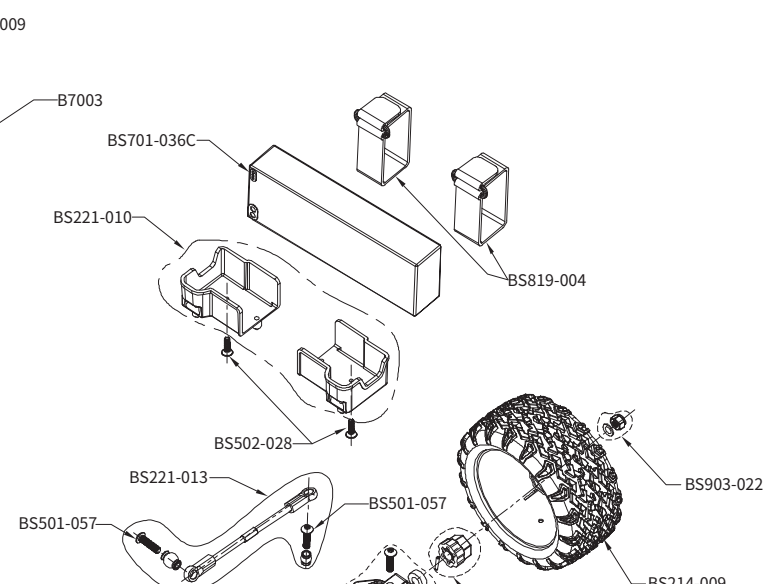
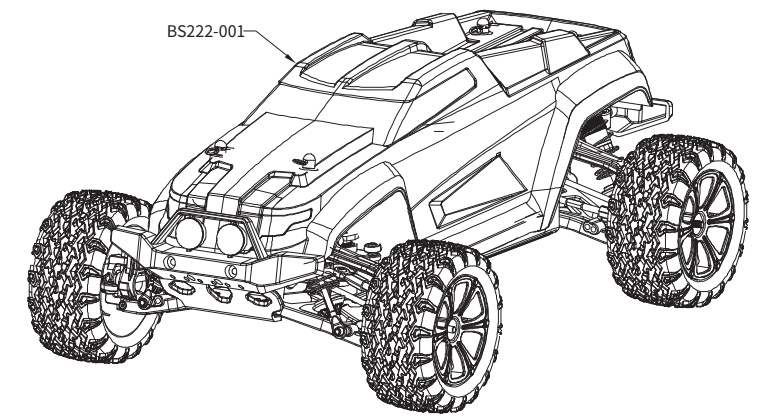
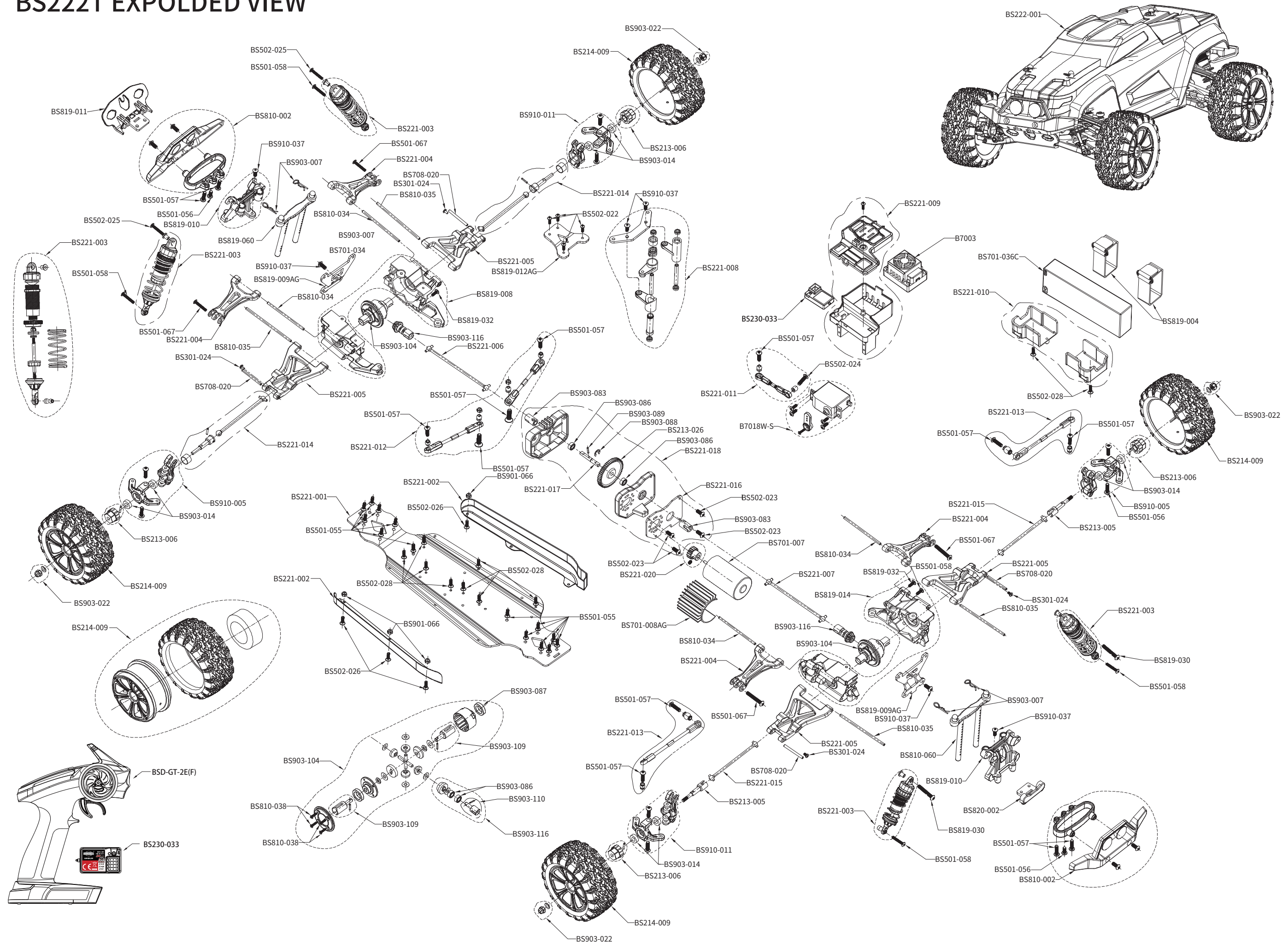
BS221T EXPOLDED VIEW



BS221R EXPLODED VIEW



BS222T EXPLODED VIEW



[illegible]

BS223T EXPOLDED VIEW

This exploded view diagram illustrates the assembly of the BS223T RC truck chassis. The components are organized into several main sections:

- Front Suspension and Steering:** Includes parts like the front suspension arms (BS810-002, BS810-034, BS810-035), steering knuckles (BS819-011, BS819-009, BS819-008, BS819-032), and front wheels (BS223-001).
- Rear Suspension and Drivetrain:** Features the rear suspension arms (BS810-034, BS810-035), rear wheels (BS223-001), and the central drivetrain components including the motor (BS701-008), gears (BS903-086, BS903-089, BS903-088, BS903-086, BS903-087, BS903-109, BS903-110, BS903-116), and shafts (BS708-020, BS715-005).
- Chassis and Frame:** Shows the main chassis frame (BS221-001, BS221-002, BS221-003, BS221-004, BS221-005, BS221-006, BS221-007, BS221-008, BS221-009, BS221-010, BS221-011, BS221-012, BS221-013, BS221-014, BS221-015, BS221-016, BS221-017), the battery tray (BS701-036C), and the battery (BS701-036).
- Body and Accessories:** Includes the body shell (BS222-001Y), the receiver (BS230-033), and the transmitter (BSD-GT-2E(F)).

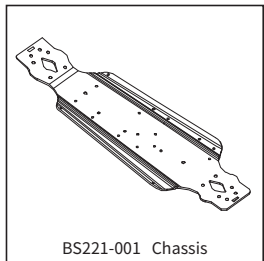
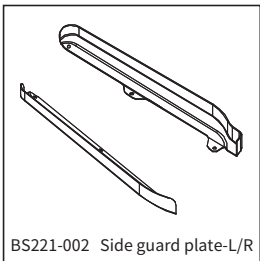
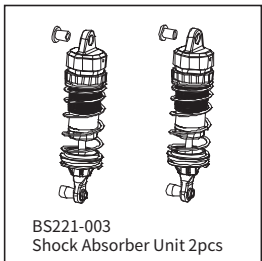
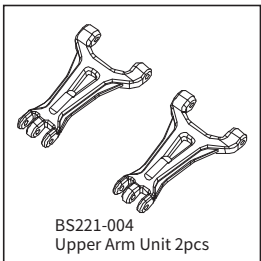
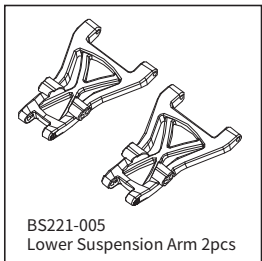
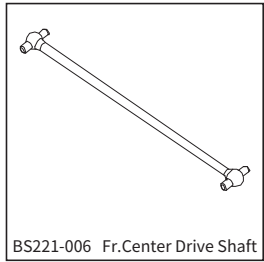
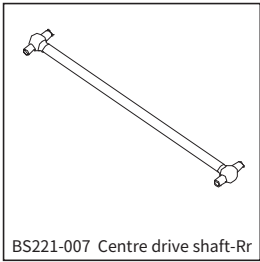
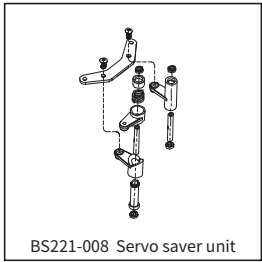
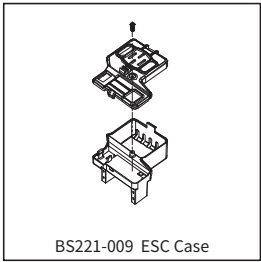
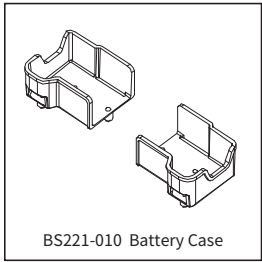
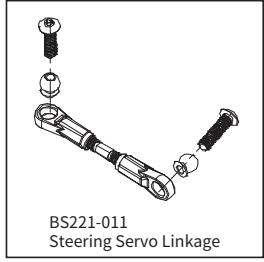
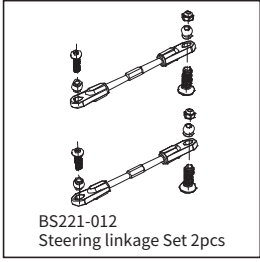
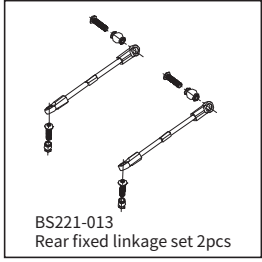
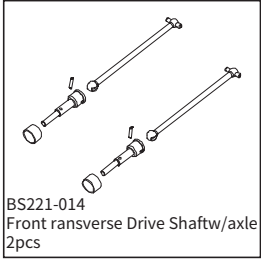
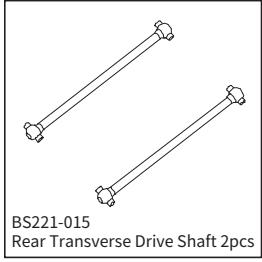
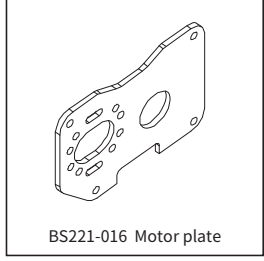

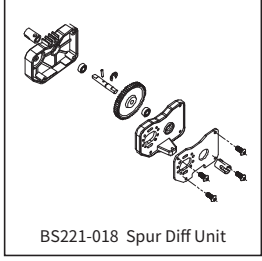
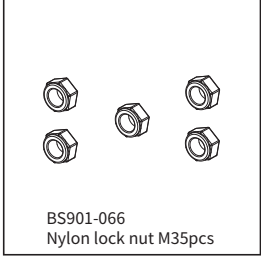
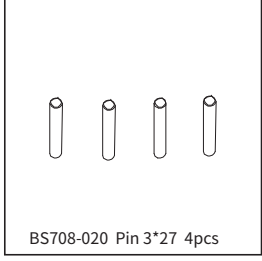
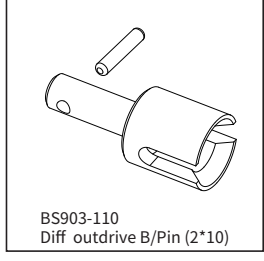
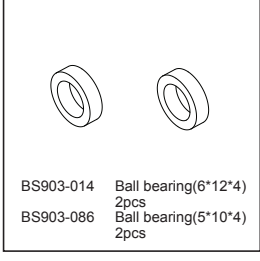
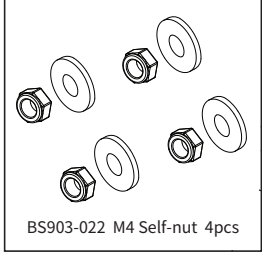
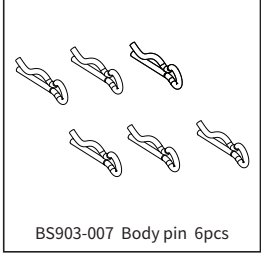
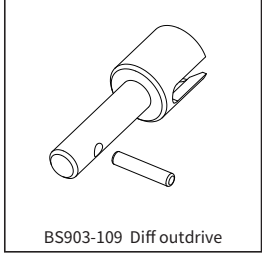


Each component is labeled with its specific part number, and the diagram uses dashed lines to indicate the assembly sequence and fitment of the parts.

BS223R EXPLODED VIEW

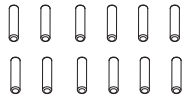
This exploded view diagram illustrates the assembly of the BS223R vehicle. The components are organized into several main sections:

- Chassis and Frame:** Includes the main chassis (BS221-001), frame rails (BS221-002, BS221-003), and various mounting brackets and plates (e.g., BS221-004, BS221-005, BS221-006, BS221-007, BS221-008, BS221-009, BS221-010, BS221-011, BS221-012, BS221-013, BS221-014, BS221-015, BS221-016, BS221-017, BS221-018, BS221-019, BS221-020, BS221-021, BS221-022, BS221-023, BS221-024, BS221-025, BS221-026, BS221-027, BS221-028, BS221-029, BS221-030, BS221-031, BS221-032, BS221-033, BS221-034, BS221-035, BS221-036, BS221-037, BS221-038, BS221-039, BS221-040, BS221-041, BS221-042, BS221-043, BS221-044, BS221-045, BS221-046, BS221-047, BS221-048, BS221-049, BS221-050, BS221-051, BS221-052, BS221-053, BS221-054, BS221-055, BS221-056, BS221-057, BS221-058, BS221-059, BS221-060, BS221-061, BS221-062, BS221-063, BS221-064, BS221-065, BS221-066, BS221-067, BS221-068, BS221-069, BS221-070, BS221-071, BS221-072, BS221-073, BS221-074, BS221-075, BS221-076, BS221-077, BS221-078, BS221-079, BS221-080, BS221-081, BS221-082, BS221-083, BS221-084, BS221-085, BS221-086, BS221-087, BS221-088, BS221-089, BS221-090, BS221-091, BS221-092, BS221-093, BS221-094, BS221-095, BS221-096, BS221-097, BS221-098, BS221-099, BS221-100, BS221-101, BS221-102, BS221-103, BS221-104, BS221-105, BS221-106, BS221-107, BS221-108, BS221-109, BS221-110, BS221-111, BS221-112, BS221-113, BS221-114, BS221-115, BS221-116, BS221-117, BS221-118, BS221-119, BS221-120, BS221-121, BS221-122, BS221-123, BS221-124, BS221-125, BS221-126, BS221-127, BS221-128, BS221-129, BS221-130, BS221-131, BS221-132, BS221-133, BS221-134, BS221-135, BS221-136, BS221-137, BS221-138, BS221-139, BS221-140, BS221-141, BS221-142, BS221-143, BS221-144, BS221-145, BS221-146, BS221-147, BS221-148, BS221-149, BS221-150, BS221-151, BS221-152, BS221-153, BS221-154, BS221-155, BS221-156, BS221-157, BS221-158, BS221-159, BS221-160, BS221-161, BS221-162, BS221-163, BS221-164, BS221-165, BS221-166, BS221-167, BS221-168, BS221-169, BS221-170, BS221-171, BS221-172, BS221-173, BS221-174, BS221-175, BS221-176, BS221-177, BS221-178, BS221-179, BS221-180, BS221-181, BS221-182, BS221-183, BS221-184, BS221-185, BS221-186, BS221-187, BS221-188, BS221-189, BS221-190, BS221-191, BS221-192, BS221-193, BS221-194, BS221-195, BS221-196, BS221-197, BS221-198, BS221-199, BS221-200, BS221-201, BS221-202, BS221-203, BS221-204, BS221-205, BS221-206, BS221-207, BS221-208, BS221-209, BS221-210, BS221-211, BS221-212, BS221-213, BS221-214, BS221-215, BS221-216, BS221-217, BS221-218, BS221-219, BS221-220, BS221-221, BS221-222, BS221-223, BS221-224, BS221-225, BS221-226, BS221-227, BS221-228, BS221-229, BS221-230, BS221-231, BS221-232, BS221-233, BS221-234, BS221-235, BS221-236, BS221-237, BS221-238, BS221-239, BS221-240, BS221-241, BS221-242, BS221-243, BS221-244, BS221-245, BS221-246, BS221-247, BS221-248, BS221-249, BS221-250, BS221-251, BS221-252, BS221-253, BS221-254, BS221-255, BS221-256, BS221-257, BS221-258, BS221-259, BS221-260, BS221-261, BS221-262, BS221-263, BS221-264, BS221-265, BS221-266, BS221-267, BS221-268, BS221-269, BS221-270, BS221-271, BS221-272, BS221-273, BS221-274, BS221-275, BS221-276, BS221-277, BS221-278, BS221-279, BS221-280, BS221-281, BS221-282, BS221-283, BS221-284, BS221-285, BS221-286, BS221-287, BS221-288, BS221-289, BS221-290, BS221-291, BS221-292, BS221-293, BS221-294, BS221-295, BS221-296, BS221-297, BS221-298, BS221-299, BS221-300, BS221-301, BS221-302, BS221-303, BS221-304, BS221-305, BS221-306, BS221-307, BS221-308, BS221-309, BS221-310, BS221-311, BS221-312, BS221-313, BS221-314, BS221-315, BS221-316, BS221-317, BS221-318, BS221-319, BS221-320, BS221-321, BS221-322, BS221-323, BS221-324, BS221-325, BS221-326, BS221-327, BS221-328, BS221-329, BS221-330, BS221-331, BS221-332, BS221-333, BS221-334, BS221-335, BS221-336, BS221-337, BS221-338, BS221-339, BS221-340, BS221-341, BS221-342, BS221-343, BS221-344, BS221-345, BS221-346, BS221-347, BS221-348, BS221-349, BS221-350, BS221-351, BS221-352, BS221-353, BS221-354, BS221-355, BS221-356, BS221-357, BS221-358, BS221-359, BS221-360, BS221-361, BS221-362, BS221-363, BS221-364, BS221-365, BS221-366, BS221-367, BS221-368, BS221-369, BS221-370, BS221-371, BS221-372, BS221-373, BS221-374, BS221-375, BS221-376, BS221-377, BS221-378, BS221-379, BS221-380, BS221-381, BS221-382, BS221-383, BS221-384, BS221-385, BS221-386, BS221-387, BS221-388, BS221-389, BS221-390, BS221-391, BS221-392, BS221-393, BS221-394, BS221-395, BS221-396, BS221-397, BS221-398, BS221-399, BS221-400, BS221-401, BS221-402, BS221-403, BS221-404, BS221-405, BS221-406, BS221-407, BS221-408, BS221-409, BS221-410, BS221-411, BS221-412, BS221-413, BS221-414, BS221-415, BS221-416, BS221-417, BS221-418, BS221-419, BS221-420, BS221-421, BS221-422, BS221-423, BS221-424, BS221-425, BS221-426, BS221-427, BS221-428, BS221-429, BS221-430, BS221-431, BS221-432, BS221-433, BS221-434, BS221-435, BS221-436, BS221-437, BS221-438, BS221-439, BS221-440, BS221-441, BS221-442, BS221-443, BS221-444, BS221-

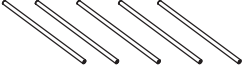
COMMON PARTS

 <p>BS221-001 Chassis</p>	 <p>BS221-002 Side guard plate-L/R</p>	 <p>BS221-003 Shock Absorber Unit 2pcs</p>	 <p>BS221-004 Upper Arm Unit 2pcs</p>	 <p>BS221-005 Lower Suspension Arm 2pcs</p>
 <p>BS221-006 Fr.Center Drive Shaft</p>	 <p>BS221-007 Centre drive shaft-Rr</p>	 <p>BS221-008 Servo saver unit</p>	 <p>BS221-009 ESC Case</p>	 <p>BS221-010 Battery Case</p>
 <p>BS221-011 Steering Servo Linkage</p>	 <p>BS221-012 Steering linkage Set 2pcs</p>	 <p>BS221-013 Rear fixed linkage set 2pcs</p>	 <p>BS221-014 Front ransverse Drive Shaftw/axle 2pcs</p>	 <p>BS221-015 Rear Transverse Drive Shaft 2pcs</p>
 <p>BS221-016 Motor plate</p>	 <p>BS221-017 Gear Shaft</p>	 <p>BS221-018 Spur Diff Unit</p>	 <p>BS901-066 Nylon lock nut M35pcs</p>	 <p>BS708-020 Pin 3*27 4pcs</p>
 <p>BS903-110 Diff outdrive B/Pin (2*10)</p>	 <p>BS903-014 Ball bearing(6*12*4) 2pcs BS903-086 Ball bearing(5*10*4) 2pcs</p>	 <p>BS903-022 M4 Self-nut 4pcs</p>	 <p>BS903-007 Body pin 6pcs</p>	 <p>BS903-109 Diff outdrive</p>
 <p>BS903-083 Diff.Outdrive D/set Screw</p>	 <p>BS903-088 E clip 12pcs</p>			

COMMON PARTS



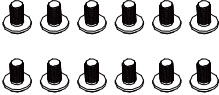
BS903-089 Pin(2*9.5) 12pcs




BS810-034 pin(ϕ 3*70) 5pcs
BS810-035 pin(ϕ 3*81) 5pcs



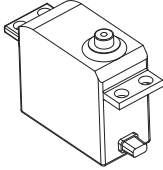
BS810-038 B Head Hex UNF Screw
HM2.5*12 12pcs



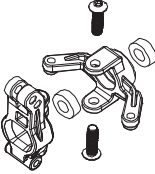
BS301-024
PWB2.5*5.7*5.5 Screw 12pcs



BS910-005 C Hubs Unit L



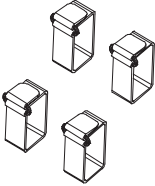
B7018W-S 9kg Waterproof Servo



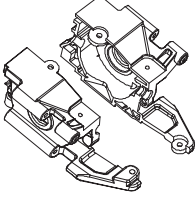
BS910-011 C Hubs Unit R



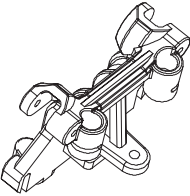
BS910-037
B head hex UNF screw HM4*11
12pcs



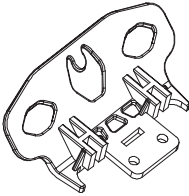
BS819-004 Battery belts 4pcs



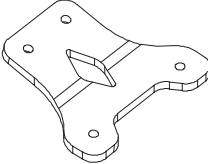
BS819-008
Fr Diff Gearbox Bulkhead Left/Right



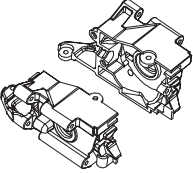
BS819-010 Brace



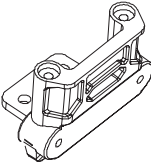
BS819-011 Fr.Bumper



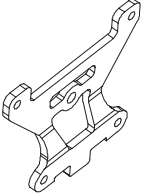
BS819-012AG Upper Desk



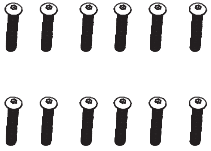
BS819-014
Rr.Diff Gearbox Bulkhead
Left/Right



BS819-015 Rr Brace Support




BS819-009AG Diff Mount



BS819-028 Hex Screw HM4*28 12pcs
BS819-030 Hex Screw HM3*25 12pcs




BS501-064
B head Hex screw BM3*16 12pcs




BS819-032
Hex Screw HM4*12 12pcs



BS501-057
B head hex fine pitch screws HM4*16 12 pcs
BS501-058
B head hex fine pitch screws HM4*20 12 pcs
BS501-067
B head hex fine pitch screws HM4*22 12 pcs




BS501-055
B head hex fine pitch screws HM4*11 12 pcs
BS501-056
B head hex fine pitch screws HM4*12 12 pcs



BS502-022
HM3*10mm B-Head Hex Screw 12pcs
BS502-023
HM3*12mm B-Head Hex Screw 12pcs
BS502-024
HM3*14mm B-Head Hex Screw 12pcs



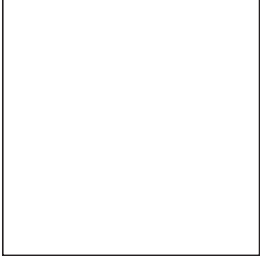
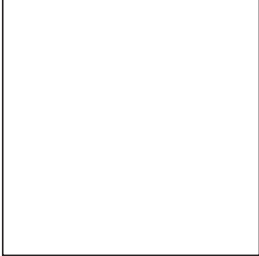
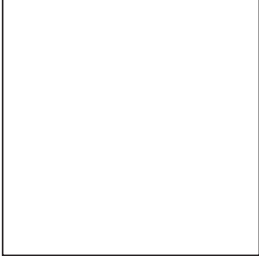
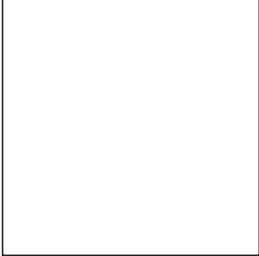
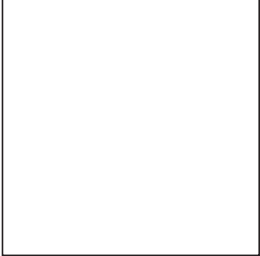
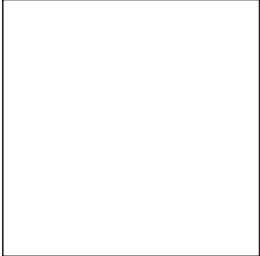
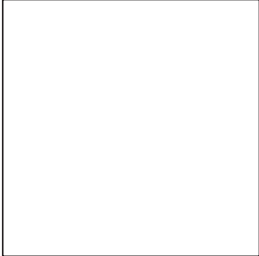
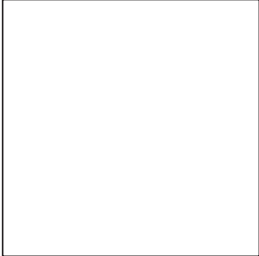
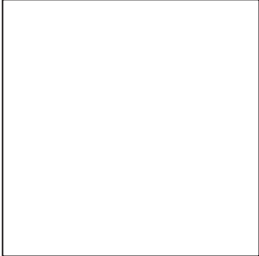
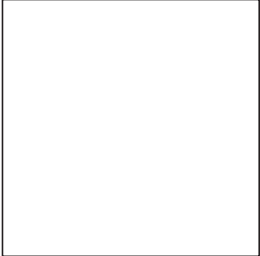
BS502-026
HM3*8mm B-Head Hex Screw 12pcs
BS502-025
HM3*10mm Flat Hex Screw 12pcs
BS502-028
HM3*8mm Flat Hex Screw 12pcs



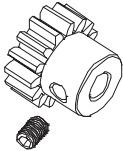
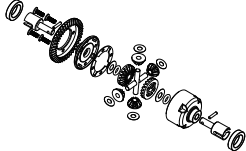
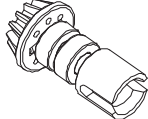
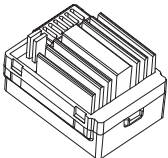
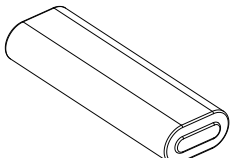
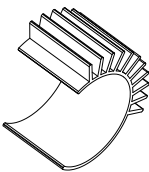
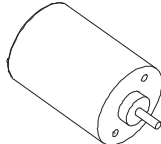
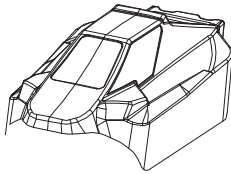
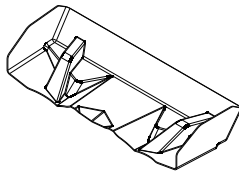
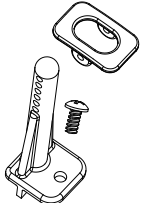

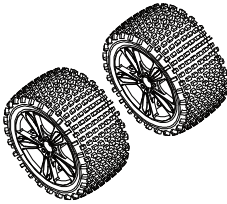
BSD-GT-2E(F)




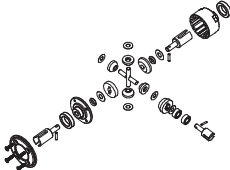
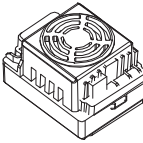
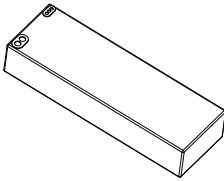
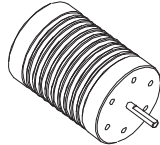
BS230-033



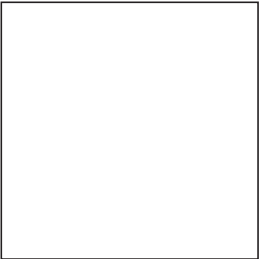
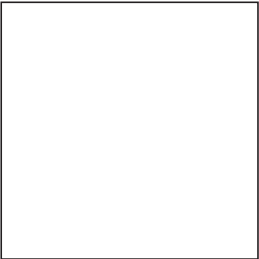
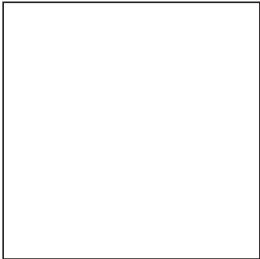
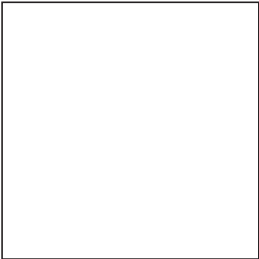
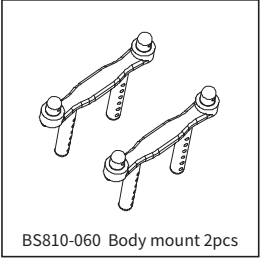
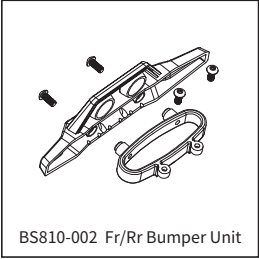
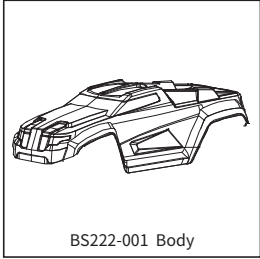
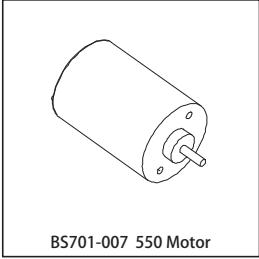
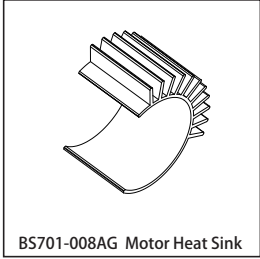
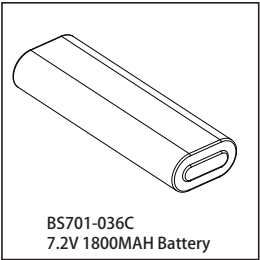
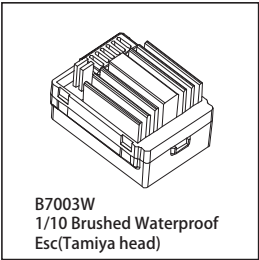
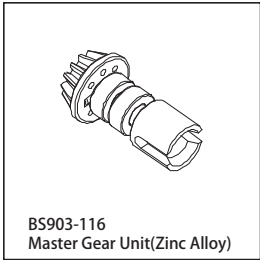
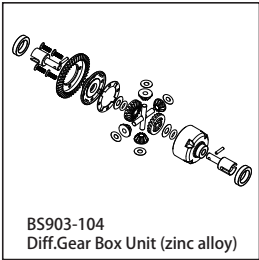
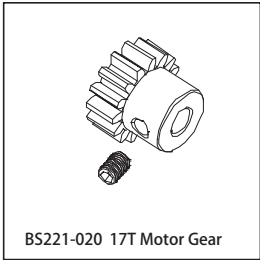
BS221T PARTS

 <p>BS221-020 17T Motor Gear</p>	 <p>BS903-104 Diff. Gear Box Unit (zinc alloy)</p>	 <p>BS903-116 Master Gear Unit (zinc alloy)</p>	 <p>B7003 Brushed Esc(Tamiya head)</p>	 <p>BS701-036C 7.2V 1800MAH Battery</p>
 <p>BS701-008AG Motor Heat Sink</p>	 <p>BS701-007 550 Motor</p>	 <p>BS221-019 Body</p>	 <p>BS218-018 Wing</p>	 <p>BS701-034 Body post -Rr</p>
 <p>BS701-002-DR Tire Unit-Fr 2pcs</p>	 <p>BS701-003-DR Tire Unit-Rr 2pcs</p>			

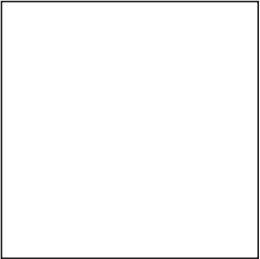
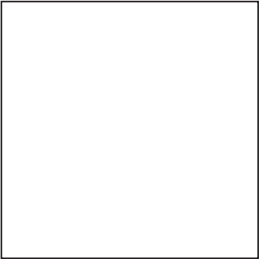
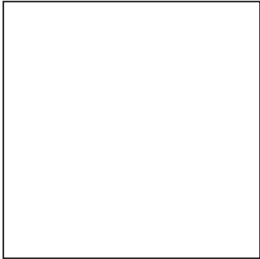
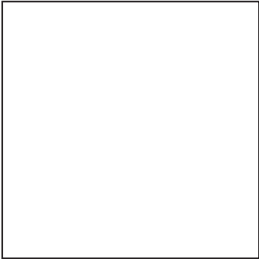
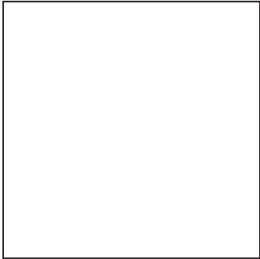
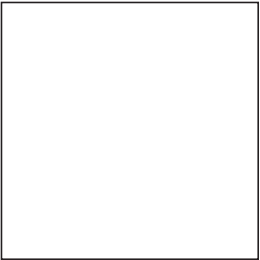
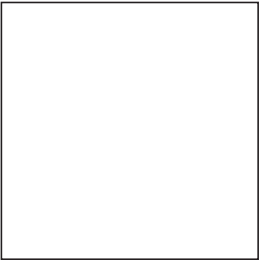
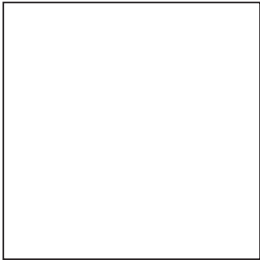
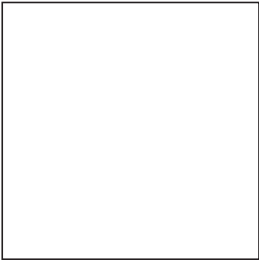
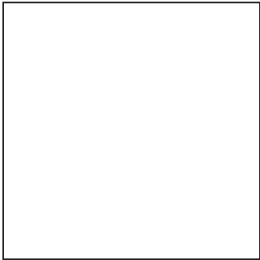
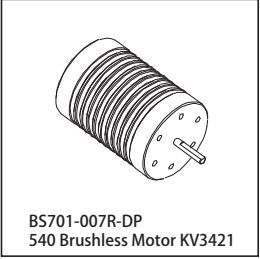
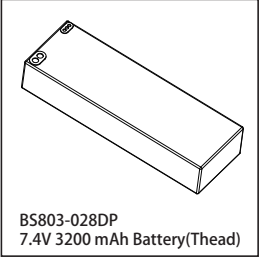
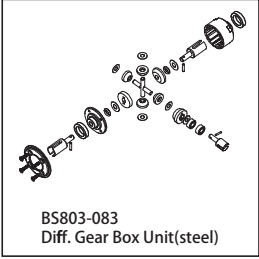
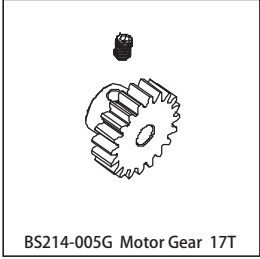
BS221R PARTS

 <p>BS214-005G Motor Gear 17T</p>	 <p>BS803-083 Diff. Gear Box Unit(steel)</p>	 <p>BS701-047DP 45A Brushless Esc</p>	 <p>BS803-028DP 7.4V 3200 mAh Battery (Thead)</p>	 <p>BS701-007R-DP 540 Brushless Motor KV3421</p>


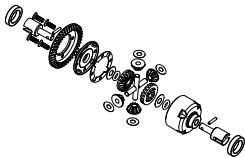
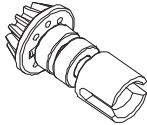
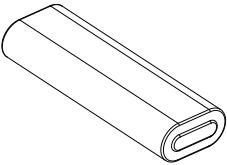
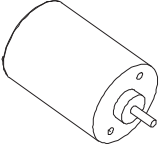
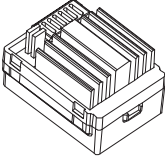
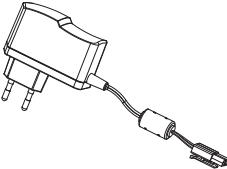
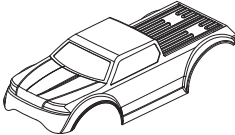
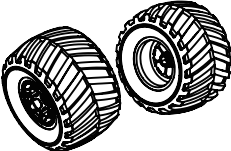
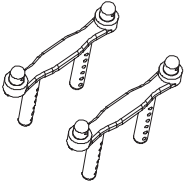
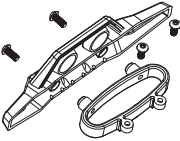
BS222T PARTS




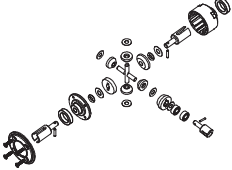
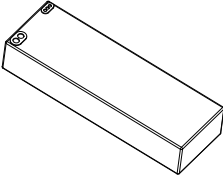
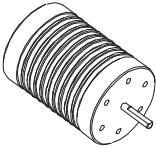
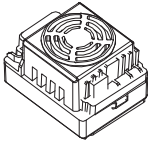
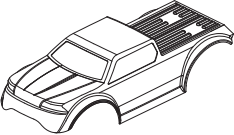
BS222R PARTS



BS223T UPGRADED PARTS

 <p>BS715-005 Motor Gear 13T</p>	 <p>BS903-104 Diff. Gear Box Unit(zinc alloy)</p>	 <p>BS903-116 Master Gear Unit(Zin c Alloy)</p>	 <p>BS701-036C 7.2V 1800MAH Battery</p>	 <p>BS701-007 550 Motor</p>
 <p>BS218-015 1/10 Brushed Waterproof Esc(Tamiya head)</p>	 <p>BS701-035 Charger for 7.2V Ni-MH Battery</p>	 <p>BS222-001Y Body</p>	 <p>BS223-001 Tire Unit 2pcs</p>	 <p>BS810-060 Body mount 2pcs</p>
 <p>BS810-002 Fr/Rr Bumper Unit</p>				

BS223R PARTS

 <p>BS715-005 Motor Gear 13T</p>	 <p>BS803-083 Diff. Gear Box Unit(steel)</p>	 <p>BS803-028 7.4V 3200 mAh Battery (Thead)</p>	 <p>BS701-007R- 540 Brushless Motor KV3421</p>	 <p>BSD-223R 45A Brushless Waterproof Esc(XT60 connector)</p>
 <p>BS222-001R Body</p>				

Precautions and Warnings for Use and Handling of Lithium Polymer Battery

PREFACE

In order to get the optimum performance and reliable safety, consumers shall read and take the following instructions and precautions when use and handle the Lithium Polymer (Li-Po) batteries.

1. CHARGING

1-1 Charging current should not be more than the maximum charge current specified in the Product Specification (normally 0.5C-1.0C or lower). Charging with higher current may damage the cell or even lead to safety problem, e.g. overheating or leakage.

1-2 Charging voltage shall not be more than that specified in the Product Specification (4.2V/cell). 4.25V is the maximum charging voltage for each cell. Never charge the battery in series and be sure that each single cell has a separated charging circuit with a max. charging voltage of 4.25V. Or the battery may be overcharged, and lead to fire or explosion. The user is fully responsible to the result of misusing the battery.

1-3 Charging temperature: The cell should be charged within the range of temperatures specified in the Product Specification. Stop charging immediately when the surface temperature of the battery is over 50℃.

1-4 Reverse charging: Please make sure the polarities of cells are connected properly before charging. Reverse charging is strictly prohibited. Reverse charging cannot charge the cells but will deteriorate their charging/discharging and safety characteristics, or even lead to fire or explosion.

2. DISCHARGING

2-1 Discharging current: The cell shall be discharged at the current no more than the maximum discharging current specified in the Product Specification. Over current discharging may damage the battery and cause over-heat.

2-2 Operation temperature: Use the battery within the temperature range specified in the Product Specification. Stop using when temperature is over 70℃.

2-3 Over-discharging: Over-discharging will deteriorate the cell's performance and characteristics. Do not over-discharge a battery below 2.75V/cell.

3. STORAGE

If you intend to keep the battery for a long time (3 months or longer), it is strongly recommended that the battery shall be stored under the environment with temperature 10-25℃, low humidity and without corrosive gas. The battery should be charged every six months to ensure that each cell's storage voltage is 3.6-3.9V.

OTHERS

>The aluminum packing foil is very soft that it will be easily left scratches. Please do not hit the cell with any sharp edge parts.

>Don't fall, hit or bend the battery. It may cause fire or explosion.

>Short circuit the battery is strictly prohibited, it may damage the battery seriously.

>Never disassemble the battery. It may cause fire.

>Never dispose of the battery in fire. It is very dangerous and strictly prohibited.


>To place the battery into liquid such as water is strictly prohibited.

>Always remove battery from car when charging. Charging the battery in a car is forbidden and is dangerous.

>Avoid vibration, shock or extruding the battery. Handle carefully when moving it.



www.bsdracing.com

 +86 0755-2748 5695

 +86 0755-2769 4720

 info@bsdracing.com

 [Lisa.bsdracing](#)

 350878106

 4th Fl,5th Bldg,Changxing High Tech Ind Zone,Wan' an Rd,Shajing,Bao' an Dist,Shenzhen,China 518104