MEGA P

VIPER-X2S



Specifications

Length: 445mm
Width: 320mm
Height: 220mm
Wheelbase: 305mm
Track(F/R): 150mm
Tires size: 127 x 66mm
Gear Ratio: 19.1: 1 (H)

15.1 : 1 (L)

Ground Clearance : 57mm

Weight: 2700g

Engine: 18 CXP Engine

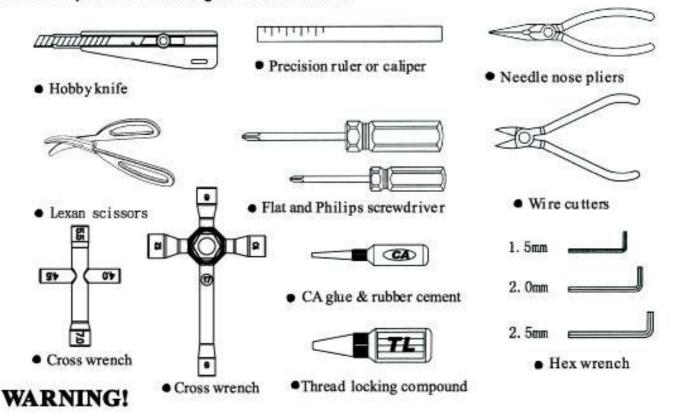
Features

- · Large Capacity 75CC Leak Proof Fuel Tank With Overflow Pipe
- Spring Loaded Fill Cover For Quick Re-fueling
- Front/rear Leak proof Differential With Metal Bevel Gears
- Lightweight Aluminum Flywheel 13.8g For Quick Engine Response
- Adjustable Oil Filled Shock Absorbers
- Differentials With 5 Screws Which Provide Quick Maintenance
- Powerful Disk Brake System With User Replaceable Pads
- Rigid 2.5 mm Anodized Aluminum Chassis
- High Flow Dual Foam Element Air Filter (*User Serviceable)
- 56 mm High Power Silencer And 7.5 mm Regulated Fuel Tank Vent
- Upgrade Aluminum exhaust pipe



Required equipment for operation

1. Tools required for building and maintenance:



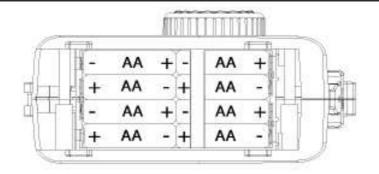
Do not use a power screw driver to install screws into nylon or plastic materials. The fast locking may heat up the screws being installed that may break the molded parts or strip the threads during installation.



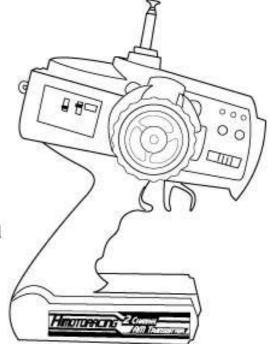
Please read the instruction carefully before start the assembly.

- Please assembly and install this product without children. As the product include the small and sharp parts.
- 2.Do not run the truck in public street or highways. As it might be 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 truck in the same area.

TRANSMITTER PREPARATION

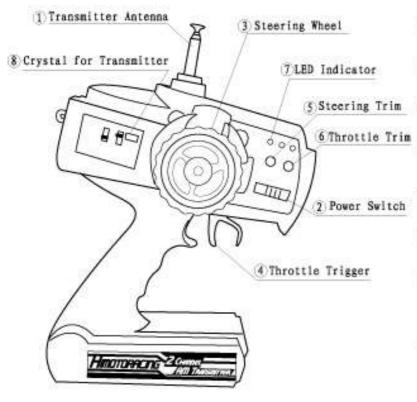


- Install eight "AA" batteries into transmitter, making sure the polarity is correct.
- Insert the antenna into the top of the transmitter and tighten.
- Turn the transmitter on and check the battery light.
- If all LED's light up, the batteries are acceptable. If only the red LED lights up, immediately replace the batteries.



- 经型式认证合格之低功率射频电机,非经许可,公司, 商号或使用者均不得擅自 更频率, 加大功率或变更原设计之特性及功能。
- 低功率射频电机之使用不得影响飞航安全及干扰合法通信;经发现有干扰现象时,应立即停用,并改善至天干扰时方得继续使用。
- 前项合法通信, 指依电信法规定作业之无线电通信.
- 低功率射频电机须及受合法通信或工业, 科学及医疗用电波辐射性电机设备之 干扰。

GLOSSARY OF TRANSMITTER



- The transmitter antenna is for transmit the radio waves.
- The power switch is for switching the power on/off.
- 3 The steering wheel is for controlling the direction of right/left.
 - The throttle trigger is for controlling the throttle and brake.
- The steering trim is for adjusting the position of neutral.(right/left)
- 6 The throttle trim is for adjusting the carb in idle position.
- The LED indicator is for showing the remaining amount of the battery.when turn on the power switch.
- ® Crystal for transmitter is for changing the radio frequency by replacing the crystal.

BEFORE THE OPERATING

- Install the receiver antenna.
- Install the transmitter antenna.
- Loading the battery on the transmitter.
- Install the charged battery on the truck.

RC OPERATING PROCEDURES

- Please pull out the transmitter antenna and then turn on the power switch first, before turning on the receiver.
- Please raises the tires off the ground and check up the control is respond.
- Hold the throttle trigger to let truck running.if it doesn't work please adjust the throttle servo and trim.
- Please replace the battery, when speed drops down.
- When you finish the racing, please turn the receiver switch off first, and then the transmitter.
- Please make sure the battery is disconnect and remove the battery after finishing the racing.

ENGINE TUNING GUIDE

HIGH-SPEED NEEDLE

The "high-speed" needle is sticking up from the carburetor. This controls the fuel to air mixture of the carburetor. The needle is pre-set for break-in from the factory at 2-1/2 turns out from fully closed. Once the engine is broken-in, the high-speed needle would typically run from 2 to 2-1/2 turns out from closed, depending on the weather, humidity and altitude above sea level. To richen the mixture turn the needle counterclockwise. To lean it, turn the needle clockwise.

HIGH-SPEED NEEDLE

IDLE STOP

SCREW

The Low-Speed Needle (For 18# engine)

The "low-speed" needle is the screw in the carb body opposite the throttle arm it controls the fuel to air mixture at low throttle settings. There is a simple way of adjusting the low-speed needle correctly called the "pinch test." With the engine at idle, pinch the fuel line and listen to how the engine speeds up or slows down. If the engine increases its speed for about 2 or 3 seconds and then loses speed, the needls is set correctly. If the engine loses RPM quickly, it is set too lean and the lowspeed needle needs to be opened (counterclockwise) to richen the mixture. Pinch again to check the mixture. If the engine takes longer than 4 seconds to slow down, lean (clockwise) the low-speed needle and then pinch again to check the mixture.

IDLE STOP SCREW

The "idle stop" screw is located on the backside of the carburetor. This increases or decreases the idle speed without changing the fuel mixture. The barrel should be a-pproximately 1mm from fully closed.

IMPORTANT! To insure long life and good performance from your engine, you MUST break-in the engine. The break-in period is critical for long life of the internal parts of the engine. This should be done over the first 5 tanks of fuel.

RUNNING THE ENGINE

STARTING THE ENGINE

IMPORTANT!Your radio system must ALWAYS be turned on and the transmitter antenna fully extended when running the engine!

- 1. Fill the fuel tank.
- 2.Prime the engine-while the engine is cool,place your finger over the tuned pipe's exhaust hole and pull the recoill gently several times. Donot over-prime! Stop when you see fuel in the fuel line at the carb.
- 3.Install a "C" alkaline into the glow starter and attach the starter to the glow plug.
- 4.With the throttle at idle, start the engine by pulling the recoil using short, quick pulls. Do NOT pull the recoil starter's string to the end. You only need 10 to 12 inches of pull to start the engine with the throttle at idle.

Sometimes it is helpful to start the engine at around half throttle. When the engine starts, immediately return the throttle to idle. if this is not done the engine can over-rev and cause engine damage.

STOPPING THE ENGINE

Pinch the fuel line that runs to the carburetor. Pinching this line will restrict fuel flow and the engine will quit within a few seconds. Never place your finger over the exhaust to stop the engine. This could result in serious burns on your finger. It also causes fuel to back up in the engine, making it harder to start the next time you run your truck.

IMPORTANT! FIXING A FLOODED ENGING

If the engine is difficult to turn over with the recoil starter, especially if it is brand new, loosen the glow plug a half turn before starting the engine. This allows some compression to escape, but the engine will still start. Make sure you tighten the glow plug after the engine starts. If the recoil starter is still difficult to pull, the engine is flooded-there is too much fuel inside the engine. Remove the glow plug, then turn the the buggy upside down and pull the recoil 5 or 6 times. This will clear the engine of fuel, and you will notice the recoil pulls easier.
Replace the glow plug and repeat the starting procedure.

BREAK IN PROCEDURE

SOME THINGS TO REMEMBER DURING BREAK-IN

- 1.Run with the body off. This will keep the engine cooler.
- 2. Keep the air cleaner on at ALL time.
- 3.Run on a smooth, hard surface. An empty parking lot is Perfect.
- 4.Use the same fuel that you will use for normal running.
- Resist the urge to accelerate and decelerate quickly.
- 6.Break-in puts stress on the glow plug or two on hand.
- 7.DO NOT overheat the engine. You can check the head temperature by using one of the temperature gauges.

TANK 1

Your first tank of fuel should be running the truck at a very rich needle valve setting. This allows the fuel to carry as much oil as possible into the engine to properly lubricate the internal parts during the break-in.

- 1.Open the high speed needle valve 4-1/2 turns from fully closed (counterclockwise). This is factory set already. But check it to make sure. When closing the high-speed needle, close until you feel some resistance. DO NOT overtibgten or you will damage the engine.
- 2. Fill the fuel tank and start the engine.
- 3.Run the buggy on a smooth surface with the body off.
- 4.Run back and forth at medium speeds, slowly accelerating and decelerating the buggy.
- 5.Run the buggy until the tank is almost out of fuel.Do not allow the tank to run out of f-uel during break-in. This leans out the engine and can cause overheating.
- 6.Stop the engine and allow it to cool. This noumally takes around 10-15 minutes.

NOTE: if your engine does not stay running consistently, increase the idle speed by turning the idle stop screw clockwise.

TANK 2

Lean the high-speed needle 1/12 turn from "tank 1" setting. Run the buggy for the complete tank and then let cool.

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TANK 3

Lean the high-speed needle another 1/12 turn from "tank 2" setting. Run the buggy for the complete tank and then let cool.

TANK 4

Lean the high-speed needle another 1/12 turn from "tank 3" setting. Run the buggy for the complete tank and then let cool. You should notice the engine running much better at this point.

TANK 5

Lean the high-speed needle another 1/12 turn from "tank 4" setting. Run the buggy for the complete tank and then let cool. The engine is now ready to be performanced tuned. Imporfant! At this point, the engine will likely be running at a faster idle than needed (This is typical after break-in). Adjust the idle stop screw to lower the idle speed so that the w-heels do not. or just barely, rotate when you lift the buggy off the ground.

TUNING TIPS

After break-in,run the truck where you plan to do most of your driving (grass,street,track, etc). Tune the high speed needle so the engine makes good power without everheating. Us-ing a temperature gauge, tune the engine so that it will consistently stay under 270 F (132 C). Keep in mind.RC engines usually take a minute or two to warm up. It is common not to reach full power right away. Never tune a cold engine!

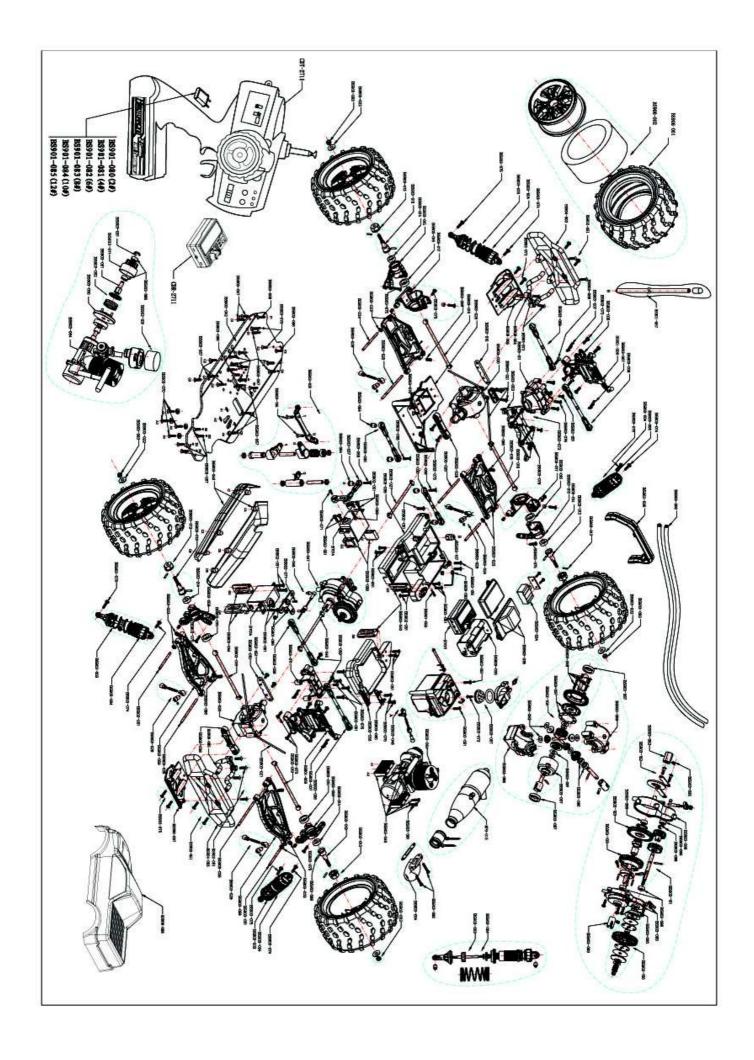
ENGINE CARE

Never store your car with fuel in the tank. We recommend that after the final run of the day, you empty the fuel tank and then run the engine at idle until all the fuel is out of the fuel lines and engine. Remove of air filter and glow plug. Then place two drops of the After Run Engine Oil in the carburetor and two into the cylinder to help prevent corrosion. Pull the recoil a few times to circulate the oil.

10 WAYS TO ENSURE LONG LIFE FROM YOUR ENGINE

- 1.Keep your engine and air filter clean.Dirt will act as insulation on an engine. it will not be able to shed heat as easily.Clean and re-oil the elenent often.
- Do not over-lean your engine.
- 3.Do not run your engine with little or no load.Don't throttle up the engine to full throttle when the wheels are not in contact with the ground.
- Do not overheat the engine.
- 5.Do not use a fuel with a low oil content.Make sure you use a model car fuel from a reputable manufacturer, such as O'Donnell Fuels.
- 6.Avoid using old fuels in the engine.
- 7.Do not use a fuel with a nitromethane(often called niteo) content over 20%.
- 8.Do not scratch the piston or cylinder sleeve. Avoid jamming something into the exhaust port when removing or re-installing the clutch or flywheel. Use a special tool called the Ultimate Flywheel Wrench to keep the crankshaft from moving.
- 9.Do not use silicone sealer on the engine joints. Silicone sealer contains acetic acid, which is corrosive if it gets inside your engine.
- 10.Do not allow any water to get inside the engine. This sounds easy, but temperature changes can cause condensation inside the engine. This is a good reason to use an after-run oil. Store your engine inside the house, not in a garage or shed where will be temperature extremes.

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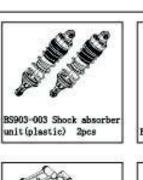


BS908 PARTS LIST

Item No.	Description	Item No.	Description
	Shock absorber unit(plastic) 2pcs		Throttle servo mount-A/B
	Shock absorber unit(alum.) 2pcs		Throttle servo horn and linkage set
	Brace 1pc		Centre drive shat-Rr 1pc
	Body pin 6pcs		Centre gearbox unit
	Upper susp. Arm set		Throttle linkage set
	Supension arm mount block 2pcs		Engine mount
	Upper susp.arm mount-Fr/Rr		Engine flywheel w/pin
	Rim hub w/pin 2*10 4pcs		Engine crankshaft w/E-clip
	Axle w/pin 2 pcs		Clutch show w/spring
	Ball bearing(6*12*4) 2pcs		Exhaust manifold
	Fr/Rr steering arm		Upper deck-rear 1pc
	200 200 200 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Fuel tank unit
	Ball bearing(10*15*4) 2pcs Fr/Rr C-carrier		Hub rear carrier
			Rr.lower susp.arm-L /R
	Fr.lower susp.arm-Lf/Rt Transverse driver shaft set		Fuel pipe & hoop
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	Diff.gearbox unit		Engine 18#
	Anti-roll bar set		TPF2.6*10 flat cross screw 12pcs
	M4 selt-lock nut w/washer 4pcs		TPF3*8 flat cross screw 12pcs
	O-washer 4pcs		TPF3*10 flat cross screw 12pcs
	Front suspension arm pin-short 4pcs		: : : : : : : : : : : : : : : : : : :
	Suspension arm pin-long 4pcs		
BS903-026			집에 보니 보니 아이지 않겠다면서 하나 하나 보다 세계 없이 모든 사람에 없다고 있다.
	Centre drive shaft-Fr	[- 보면 15 HER PORTS 1 HER P	요하다 하다시아 () 이렇게 한다면 없는 하면 어린다면 사람이 하는 사람들이 이 하는 때문에 됐다면
	Lower susp.mount block-Fr/Rr		BT2.6*6 B-head cross screw 12pcs
	Anti-roll bar fixation set		BT3*8 B-head cross screw 12pcs
	Steering linkage set 2pcs		BT3*12 B-head cross screw 12pcs
	Servo saver unit		BT3*14 B-head cross screw 12pcs
	Upper deck-Fr		BT3*16 B-head cross screw 12pcs
	Battery case 1pc		BT3*20 B-head cross screw 12pcs
	Switch/switch cover/screw		BM3*10 B-head cross screw 12pcs
BS903-035	Receiver/battery case cover	BS903-080	HM3*25 Cap head hexagon
	Handle lpc		screw 6pcs
BS903-037	Steering servo horn and linkage	BS903-081	HM3*10 Cap head hexagon
BS903-038	Steering servo mount-A/B		screw 6pcs
	Upper deck-centre 1pc		Diff.outdrive A /M4*4set screw
	Upper deck mount 1pc		Diff.Outdrover B/M4*4 set screw
BS903-042	Chassis 1pc		Battery pack 6V NI-MH 1pc
BS903-043	Side guard plate-L/R	BS903-086	Ball bearing (5*10*4) 2pcs

BS908 PARTS LIST

Item No.	Description	Item No. Description	
BS903-087	Ball bearing (12*18*4) 2pcs	BS901-085 Crystal 12-one set	
BS903-088	E -clip (4*0.6) 12pcs	BS902-031 Air filter w/insert	
BS903-089	Pin (2*10) 12pcs	BS902-051 BT3*10 B-heag cross screw 12pcs	
BS903-090	Pin (2*12.5) 12pcs	CDT-2711&CDR-2711 Transmitter complete	
BS903-091	Washer A (5.2*10*0.2) 12pcs	CDT-2711 Transmitter	
BS903-092	Washer B (4.2*8*0.2) 12pcs	CDR-2711 Receiver	
BS903-093	M4 nylon self-lock nut 6pcs	H004 servo (4.1kg)	
BS903-094	Double way ball end 6pcs	BS904-003 Bumper 1pcs	
BS903-095	M4*4 set screw 6pcs	BS801-008 Fr/Rr body post	
BS903-096	M4*8 set screw 6pcs	BS933-011 clutch bell(15T)	
BS903-097	Diff.gearbox	BS908-001 tire unit(plastic)	
	Diff.gearbox bulkhead-upper/lower	er BS908-002 tire unit(chromed)	
	Gearbox bulkhead-Fr/Rr	BS908-003 exhaust fixation set	
BS903-100	Spur gear/spring/nylon self-lock nut	self-lock nut BS908-004 front dumper upper bracket	
	Pinion gear18T/19T/pin	BS908-005 rear dumper upper bracket	
BS903-102	Brake set	BS908-006 front dumper buttom bracket BS908-007 rear dumper bottom bracket	
BS903-103	Gear-40T/37T	BS908-007 rear dumper bottom bracket	
BS903-104	Diff.unit	MPO-01 wheel hex set	
BS903-105	Driving/driven gear, Diff.gear/bevel	MPO-02 c hcb c hcb pin	
	gears	MP0-03 kunckle arm se	
BS903-106	Screw pin (M3*9.5) 12pcs	MP0-04 rear hub set	
	Antenna mount 3pcs	MP0-05 shock stay mount	
BS903-108		MP0-06 front suspension mount	
	M3 locknut 5pcs	MP0-07 rear suspension mount	
	Antenna pipe w/cap 3pcs	MP0-08 steel brake disk	
	Crystal 2-one set	MP0-09 special brake pads	
	Crystal 4-one set	MP0-10 brake post	
	Crystal 6-one set	MP0-11 steering ro1	
	Crystal 8-one set	MP0-12 one pcs engine mount	
	Crystal 10-one set	MP0-13 sipper system(hard andozie)	
	10 - T arant Salah Salah (1900)	MPO-14 HI903-004 Shock sbsorber unit(alum.) MPO-15 metal pipe	









2set



























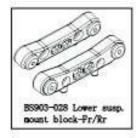


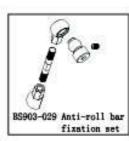






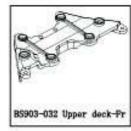














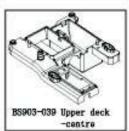


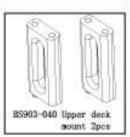




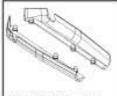




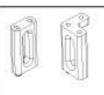




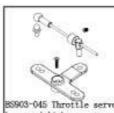




BS903-043 Side guard plate-L/R



BS903-044 Throttle servo mount-A/B



85903-045 Throttle servo horn and linkage set



BS903-046 Centre drive shat-Rr



W W BS903-048 Throttle linkage set





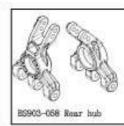


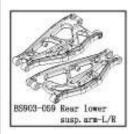


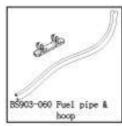




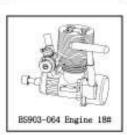


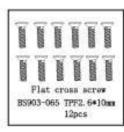


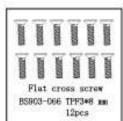


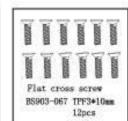


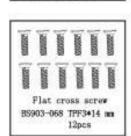


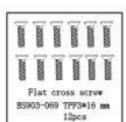


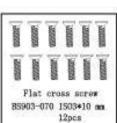














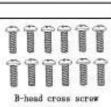




12pcs



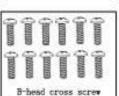
BS903-074 BT3*14 mm 12pcs



BS903-075 BT3*16 mm 12pcs



B-head cross screw BS903-076 BT3*20 nm 12pcs

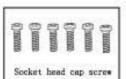


BS903-079 BH3+10 nm

12pcs

12pcs

BS903-080 HM3*25 Cap head hexagon screw Spcs



BS903-081 M3+10 mm Spcs



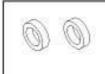
8S903-082 Diff. outdrive C/set screw



BS903-083 Diff. outdrive D/set screw



BS903-084 Battery pack 6V ni-mh



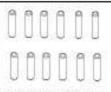
BS903-086 Ball bearing **♦ 5 * ♦ 10 * 4** 2pcs



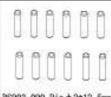
BS903-087 Ball bearing ф 12+ ф 18+4 2pcs



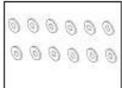
BS903-068 E-cilp ♦ 4+0. 6nm 12pcs



BS903-089 Pin 4 2*10mm 12pcs



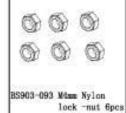
BS903-090 Pin \$2*12, fem



BS903-091 Washer φ5. 2* φ10*0. 2 12pcs



BS903-092 Washer Φ4. 2*Φ8*0. 2 12pcs









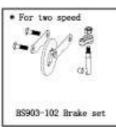








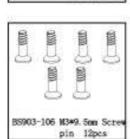


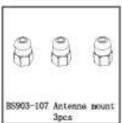




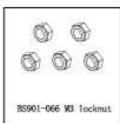


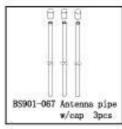






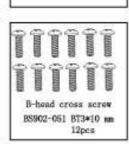










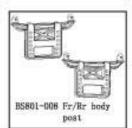
















BS908-001 Nailed tyre unit(plastic)2pcs BS908-002 Nailed tyre unit (chroned) 2pcs



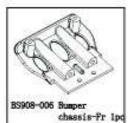
BS908-003 Exhaust fixation set



BS908-004 Bumper brace



BS908-005 Bumper brace



BS908-007 Bunper chassis-Rr 1pc



































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