

1:5 SCALE 2WD GASOLINE BUGGY

Item NO.: FS-10201

Instruction

Specification :

- length..... 840mm
- Height..... 300mm
- Width..... 430mm
- Fuel capacity..... 700CC
- N. W/G. W 10. 2Kg/ 12. 6Kg
- wheelbase (F/R)..... 520mm
- Tire Diameter..... 150*W60
- Gear Ratio..... 7. 68: 1
- Engine..... 23cc. 26cc. 30cc



In order to product improvement and the specification change, this handbook content may revised without inform inadvance.

Characteristic :

- Assembly carbon filament surface chassis
- Installed with the damper, waterproof and dustproof air filter.
- Bifurcation type suspension system which could adjust the width
- Large capacity oil pressure type shock absorber
- 4mm thick flinty aluminum type chassis
- Double disc brake system .
- 2WD drive wth axis drives systems
- Strong engine with carburetor walbro wt/ruixin
- Spark plug with NGK
- Usefull Alloy roll cage

BEFORE YOU RUN THE CAR

About radio system

You should understand the operation of your transmitter. Place 8 AA batteries in the transmitter, and insert another 4 AA batteries into the battery case. It is important that all the batteries are new.

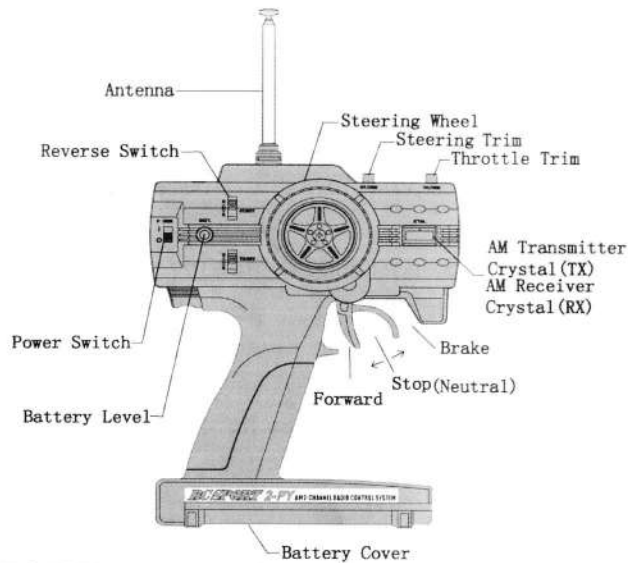
Always check the condition of the battery case wires as well as the switch wires. A broken wire can cause a short circuit and lead to a loss of control.

Always turn on your transmitter first and off last. If you start your car before turning on your transmitter, you will lose control of the car and could cause damage to your car or cause an accident.

Test the following radio functions without the engine running:

1. Turn on the transmitter.
2. Turn on the car receiver battery pack switch. Both the steering and throttle servos should move to their respective neutral settings.
3. Turn the steering wheel on the transmitter left and right. The front wheels should turn left and right (when viewed from behind). Use the steering trim adjustment to set the neutral (wheels pointing straight ahead) setting on your car. If your servos are slow, check your batteries.
4. Pull the throttle trigger. The carburetor should open on the engine.
5. Push the throttle trigger open and forward. This will activate the brakes.
6. Use the throttle trim adjustment to set the neutral (carburetor closed, brakes starting to engage) setting on your car.
7. Hold the throttle open and roll the car on the ground. The car should roll freely. While it is still rolling, push on the brakes. The car should come to an immediate stop. If these steps do not produce these results refer to the linkage assembly setup in this manual.

For more information and specification please refer to your radio instruction manual which you can download from www.u-goracing.com.



CHECKLIST BEFORE RUNNING

- Ensure all screws are securely tightened.
- Ensure all moving parts move without binding.
- Install an oiled air filter. Ensure it is clean and not clogged.
- Ensure the fuel line is leak proof, with no cracks. Ensure it is not clogged
- Ensure the muffler and exhaust are damage free.
- Ensure the radio batteries are new and ensure they are securely installed.
- Ensure servos and linkages move without binding.
- Ensure the area of operation is safe.
- Ensure no one is on your frequency.

MAINTENANCE OPERATING YOUR MODEL SAFELY

1. Operate the model in open areas with no people around! Do not operate it on public roads or in places where children and people are present, or in residential districts and parks, or in doors or in confined areas. Non-observance may incur personal injury and property damage!
2. Always check the batteries in the transmitter and the battery pack for the receiver are good. When the batteries get weak, the transmission and reception of the radio decrease. You may lose control of your model when operating it under such conditions. This may lead to accidents.
3. Keep in mind that people around you might also be operating a radio control model! Never share the same frequency with somebody else at the same time! Signals will be mixed and you will lose control of your model. This may lead to an accident!
4. Always use approved ground frequencies!

5. When the model is behaving strangely...
Immediately stop the model and check for the cause. As long as the problem is unclear, do not operate the car! This may lead to further trouble and an unforeseen accident!
6. Handle fuel outdoors only!
7. Do not put finger or any objects on rotating or moving parts! Parts rotate/move at high speeds, you may be seriously injured!
8. After using, do not touch equipment on the model such as the engine and tuned pipe, because they generate high temperatures!
You may cause severe burns to yourself by touching them!
9. Use only glow fuel for this radio control model!
10. Fuel is highly flammable and explosive!
Never use fuel indoors or in places with open fire or heat sources. Keep out of children's reach! Shut the cap tightly! Do not dipose of empty fuel cans into a fire! There is danger of explosion.
11. Be careful handling fuel, in case of contact with eyes or skins, rinse immediately with water and seek medical help if necessary. Do not swallow fuel.

TROUBLE SHOOTING

Problems	Reasons	Solution
Engine does not start	<ol style="list-style-type: none"> 1 No fuel in the fuel tank or in the carb. 2 The glow plug damaged or not charged 3 The fuel pipe the air filter, or the tuned pipe are clogged 4 The engine is flooded 5 The carburetor is not adjusted properly 6 The servo linkage is not adjusted properly 	<ol style="list-style-type: none"> 1 Fill the fuel tank and press the prime button 2 Replace the glow plug and /or charge the glow plug 3 Clear or release the clogged parts 4 Remove the glow plug, discharge fuel, test the glow plug. If broken, replace. 5 Set idle and main/slow needle into the standard starting position 6 Move the servo to neutral position and readjust it
Engine can start but then stalls	<ol style="list-style-type: none"> 1 No fuel in the fuel tank 2 The fuel pipe, the air filter, or the tuned pipe are clogged 3 The carburetor is not adjusted properly 4 The engine is overheated 	<ol style="list-style-type: none"> 1 Fill fuel tank and prime engine 2 Clean or replace the clogged parts 3 Readjust the idle and main/slow needle to the standard starting position 4 Let the engine cool down thoroughly, and then restart
The car does not run well	<ol style="list-style-type: none"> 1 The carburetor is not adjusted properly 2 Oil pressure in the tuned pipe is low 3 Check the transmission system 	<ol style="list-style-type: none"> 1 Readjust the idle and main/slow needle adjusting screw 2 The pipe between the tuned pipe and the fuel tank 3 If broken, replace
Out of control	<ol style="list-style-type: none"> 1 The transmitter or the receiver is power off 2 Bad signal reception 3 The servo's link is not adjusted properly 	<ol style="list-style-type: none"> 1 Recharge or replace the batteries 2 Extend the antenna of transmitter and the receiver to its full extent 3 Move the servo to neutral position and readjust it

Start engine

Before starts engine please reading the instruction carefully

1. Engine friction practice

- The engine friction practice, to be basic, it should burn and practice 1 to 2 cylinder fuel, then walk slow and burn 1 to 2 cylinder fuel, at the moment it could be work normal and performance good.
- Attention: Because the buggy is affect easy in external environment, after buggy work over 1-2hour, the air filter should be cleaned. This work should be always remember to do, otherwise it may affect the engine performance and engine life.

2. Start the transmitter and the receiver

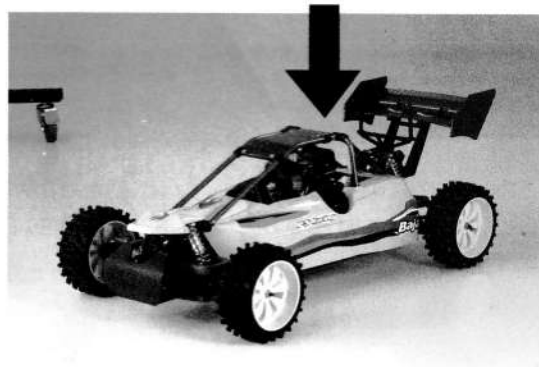
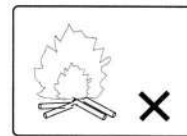
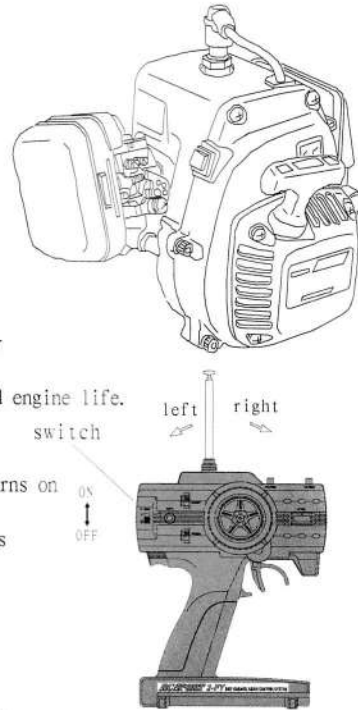
- 2.1 Pull the transmitter and receiver's antenna, then turns on the transmitter and the receiver's switch
- 2.2 Open the receiver's switch, Be sure the carburetor is in idle position

3. Fill in fuel method

- 3.1 Use R/C model special fuel. Mix together Gasoline and highly lubricating oil (2T oil), the proportion is 25:1.
- 3.2 Finish fills fuel, tightly the fuel tank cover.

● Attention

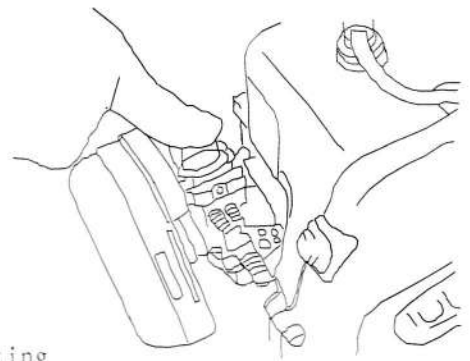
1. Don't use the spirit of fuel or to contain burning aids ethyl alcohol, otherwise, carburetor rubber part and the engine can be damaged.
2. Gasoline is extremely flammable, strictly prohibits the smoke and fire.
- 3.3 For fear the fuel system appears unusually, be sure to keep the fuel strainer, fuel pipe and the appendix normal used.



- 1) 切勿使用酒精燃料或含燃烧剂的酒精，否则，汽化器的橡胶部分以及引擎会被毁坏；
- 2) 汽油是极易燃品，严禁烟火！
- 3) 为防止燃料系统出现一切可能性异常，确保燃料过滤器及燃料管及附件的正常使用。

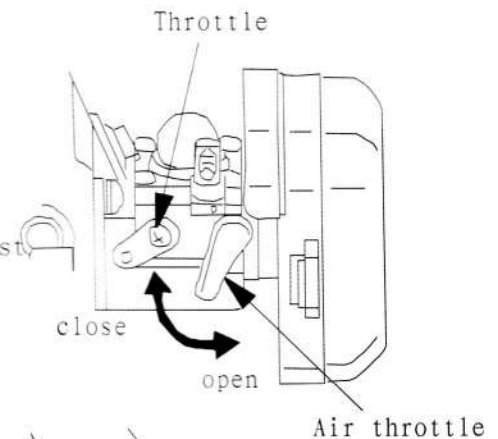
4. Start Engine

- 4.1 Impetus front Valve several times until safely flows out oil.
(Fig. 1)
- 4.2 Closes the air throttle (Fig. 2), the open position and accelerator keep a 1/4-1/3 distance.
- 4.3 Rapidly pull the start handle, until the engine start work and sounds noisy. (Fig. 3)
- 4.4 Close the air throttle to 1/4 distance of opening position
- 4.5 Rapidly pull the start handle
- 4.6 After starts the engine several minutes preheating



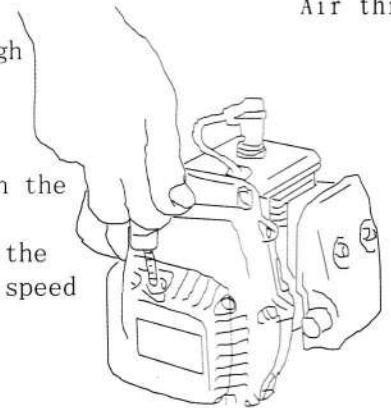
Main point:

1. When engine over hot , blocked and lack of air is inevitable.
2. Block excessively, result to start difficulty Then Causes the igniter plug to be moist.
3. When replaces the igniter plug or bedry the igniter plug , usually pull the start handle, removes the rest oil in the cylinder.



5. Concrete operation

- 5.1 The engine has adjusted to high power and the high velocity condition, Needs correct maintenance to keep high performance.
- 5.2 The concrete operation is different because of the different player. It would be mentioned in the automobile manufacturer operating instructions.
- 5.3 After the valve full speed revolution, must let the engine cold Actually more than 30 seconds low speed idle operation.

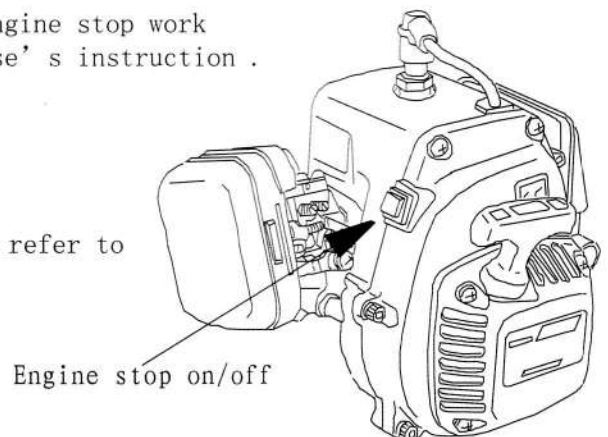


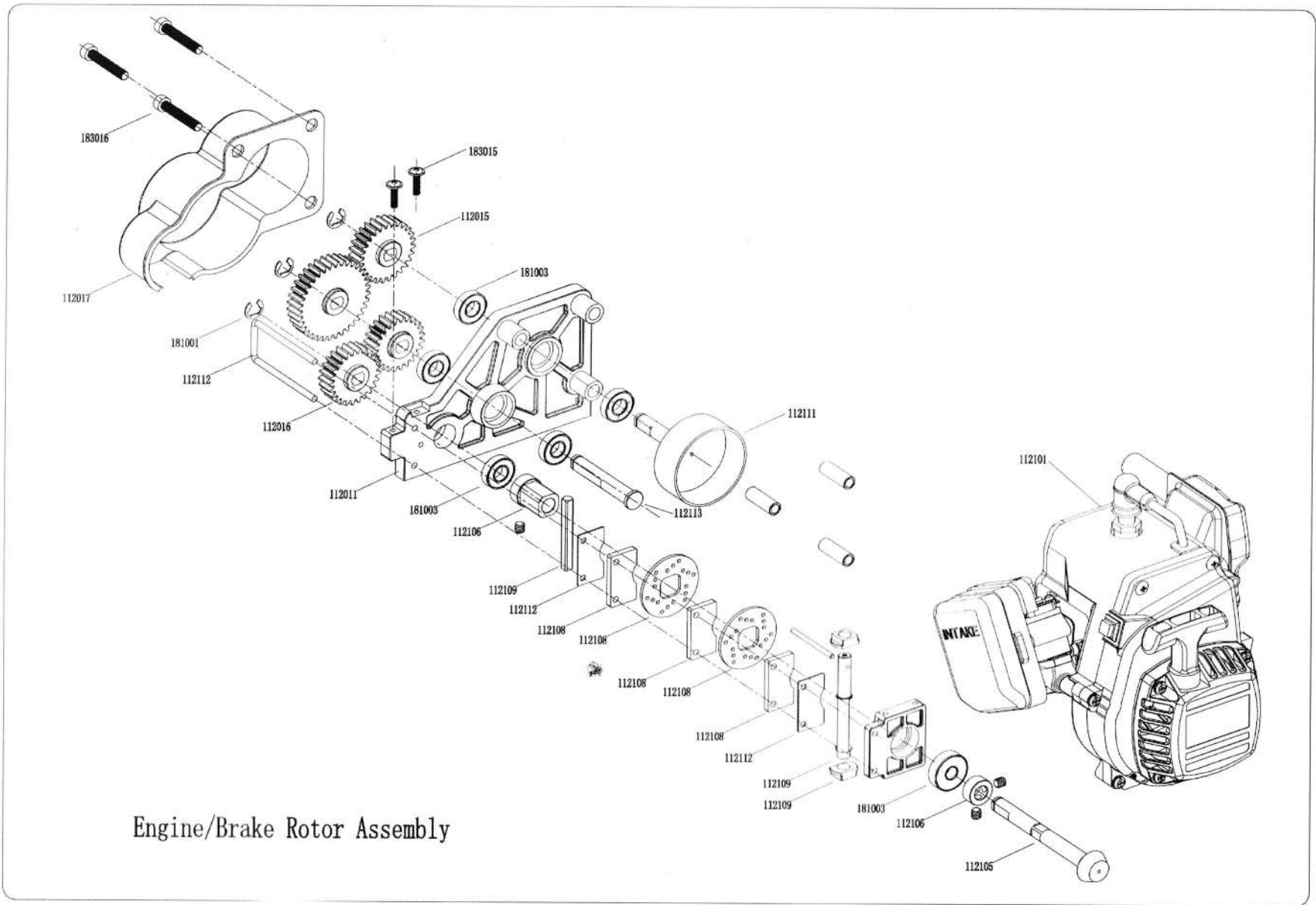
6. Stop Engine

- Presse down the engine flameout switch, engine stop work immediately. Detail please refer to the use' s instruction .

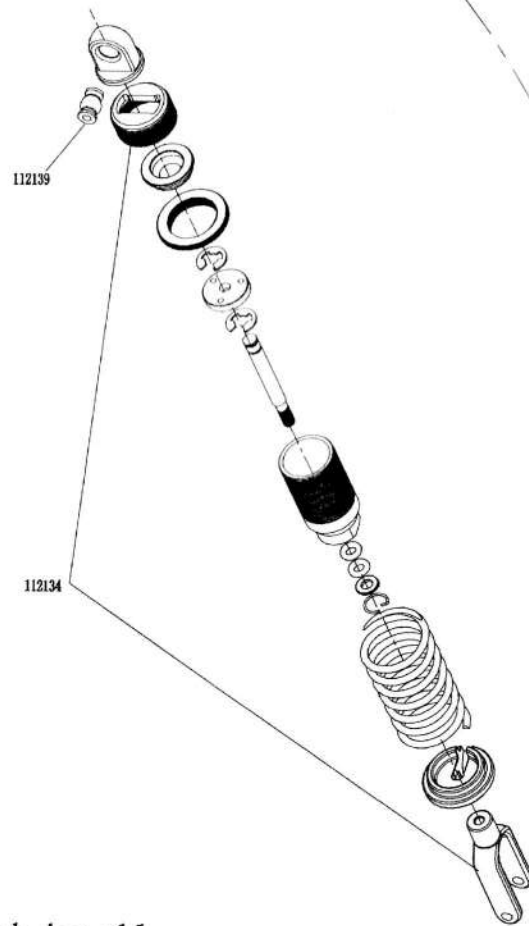
7. Attention maintenance

Keep the engine the clean .Detail please refer to Instruction





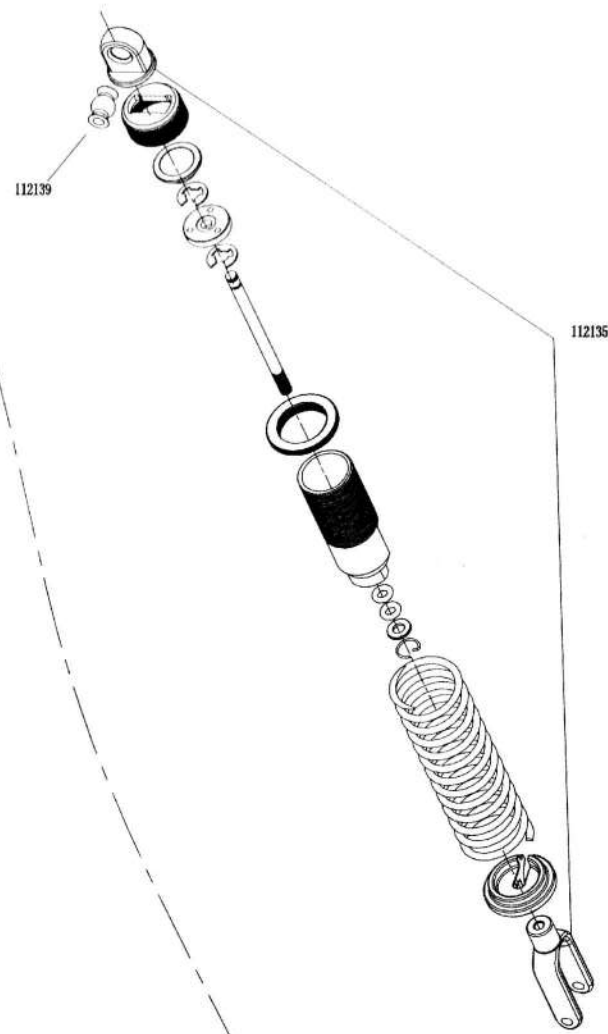
Engine/Brake Rotor Assembly



112139

112134

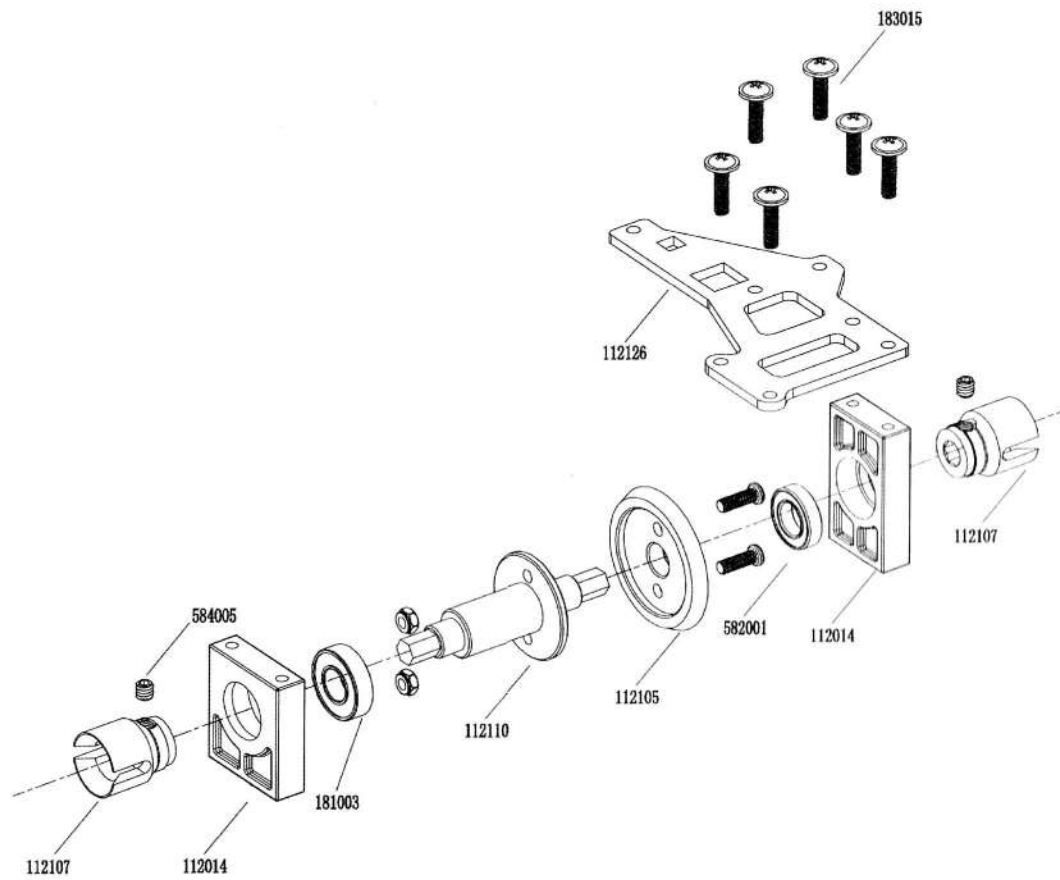
Front Shock Assembly



112139

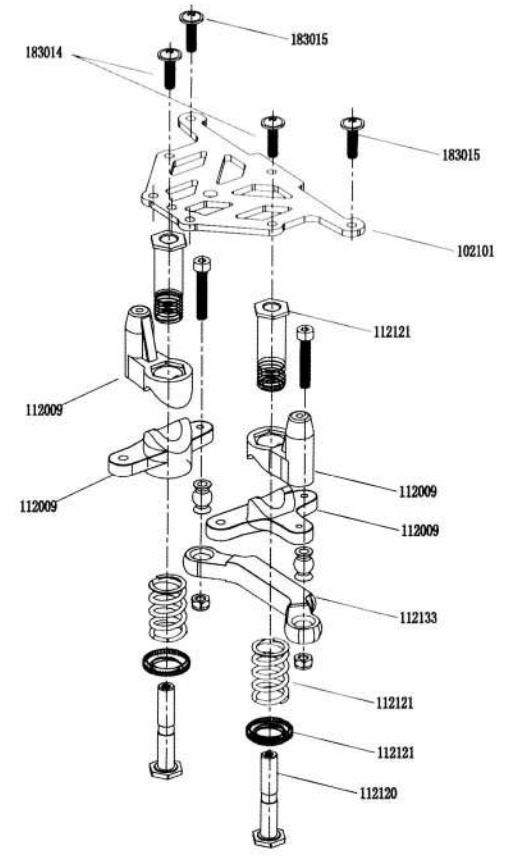
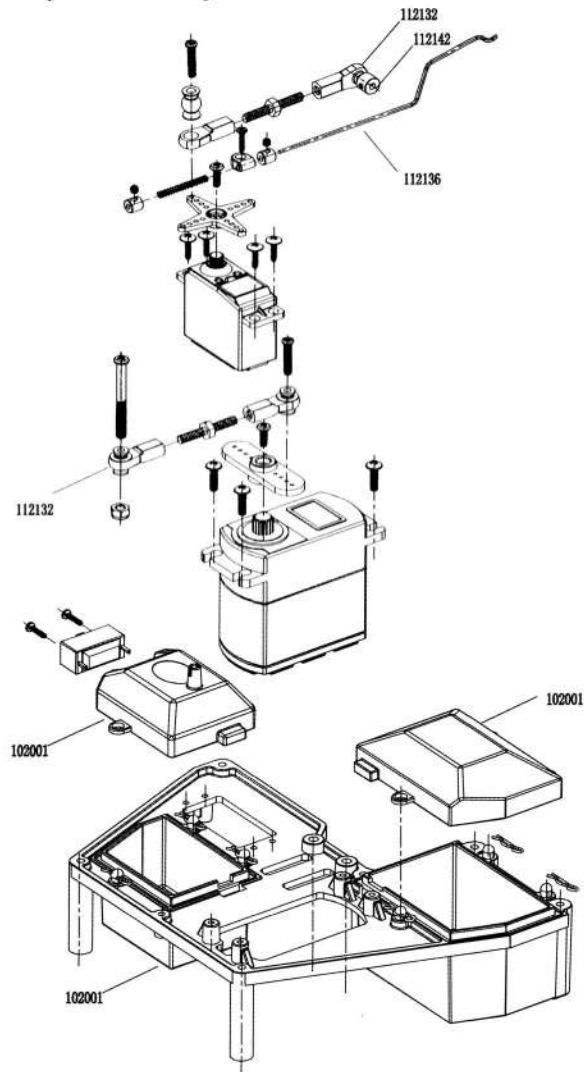
112135

Rear Shock Assembly

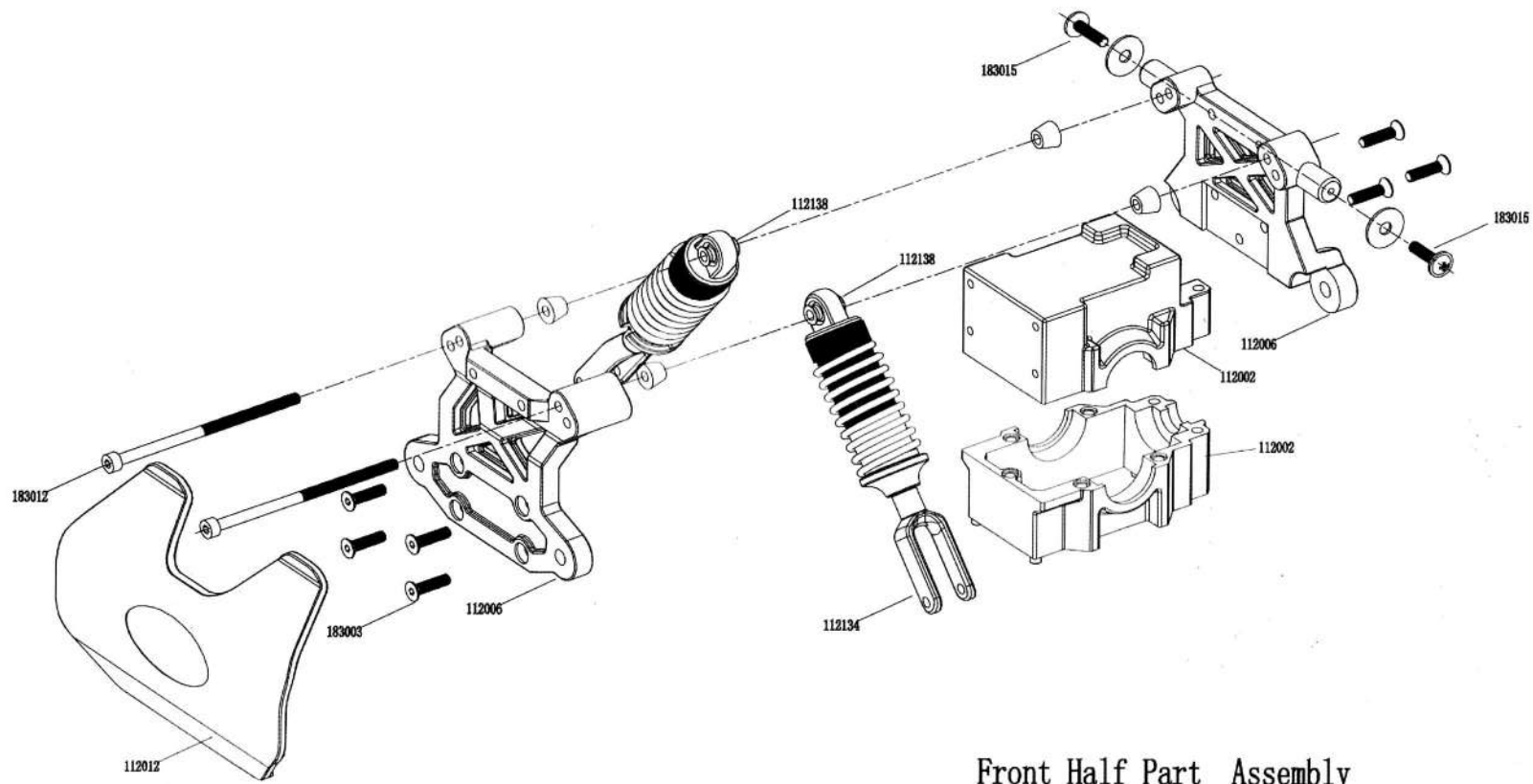


Center Diff Assembly

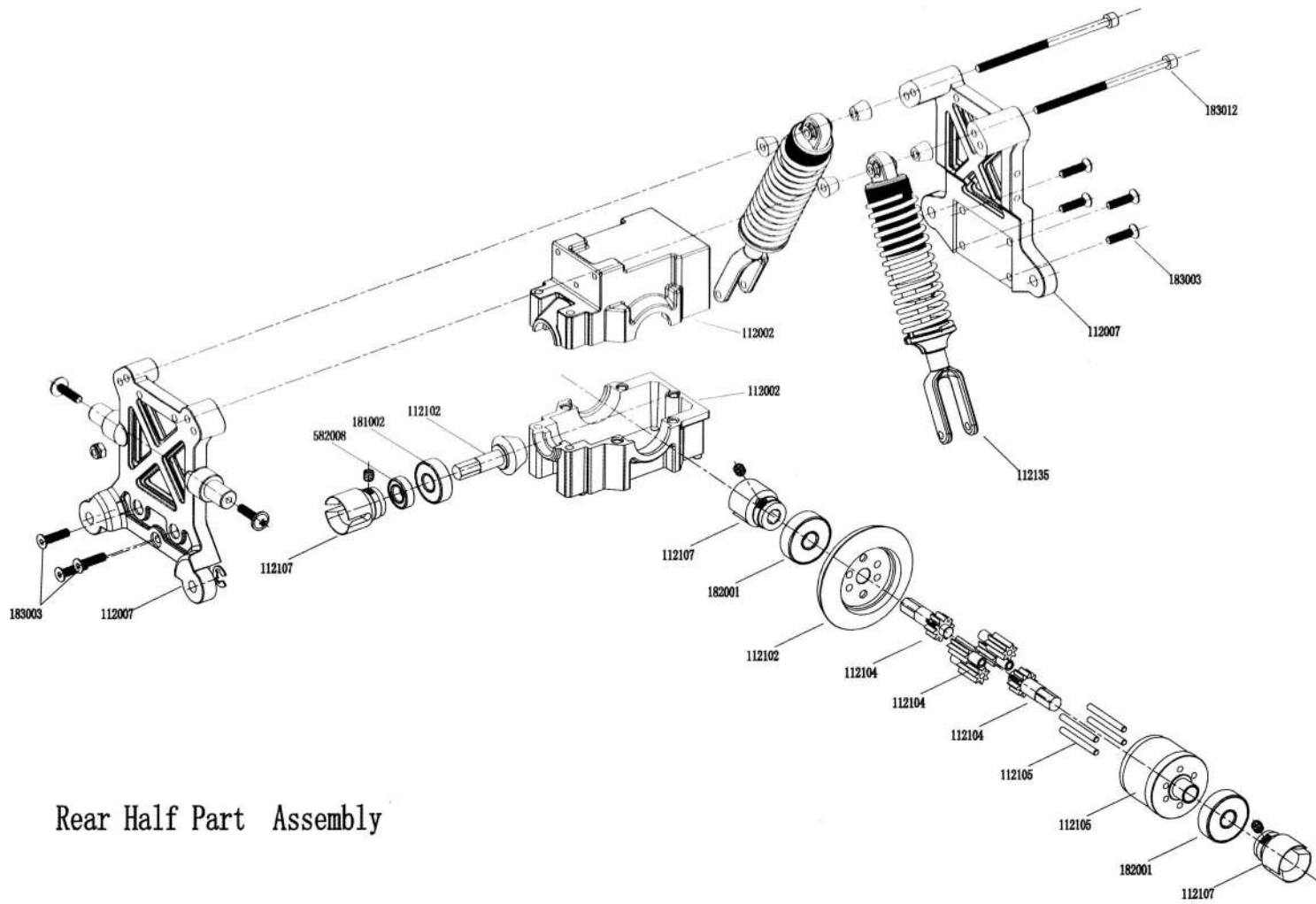
Radio Tray Assembly



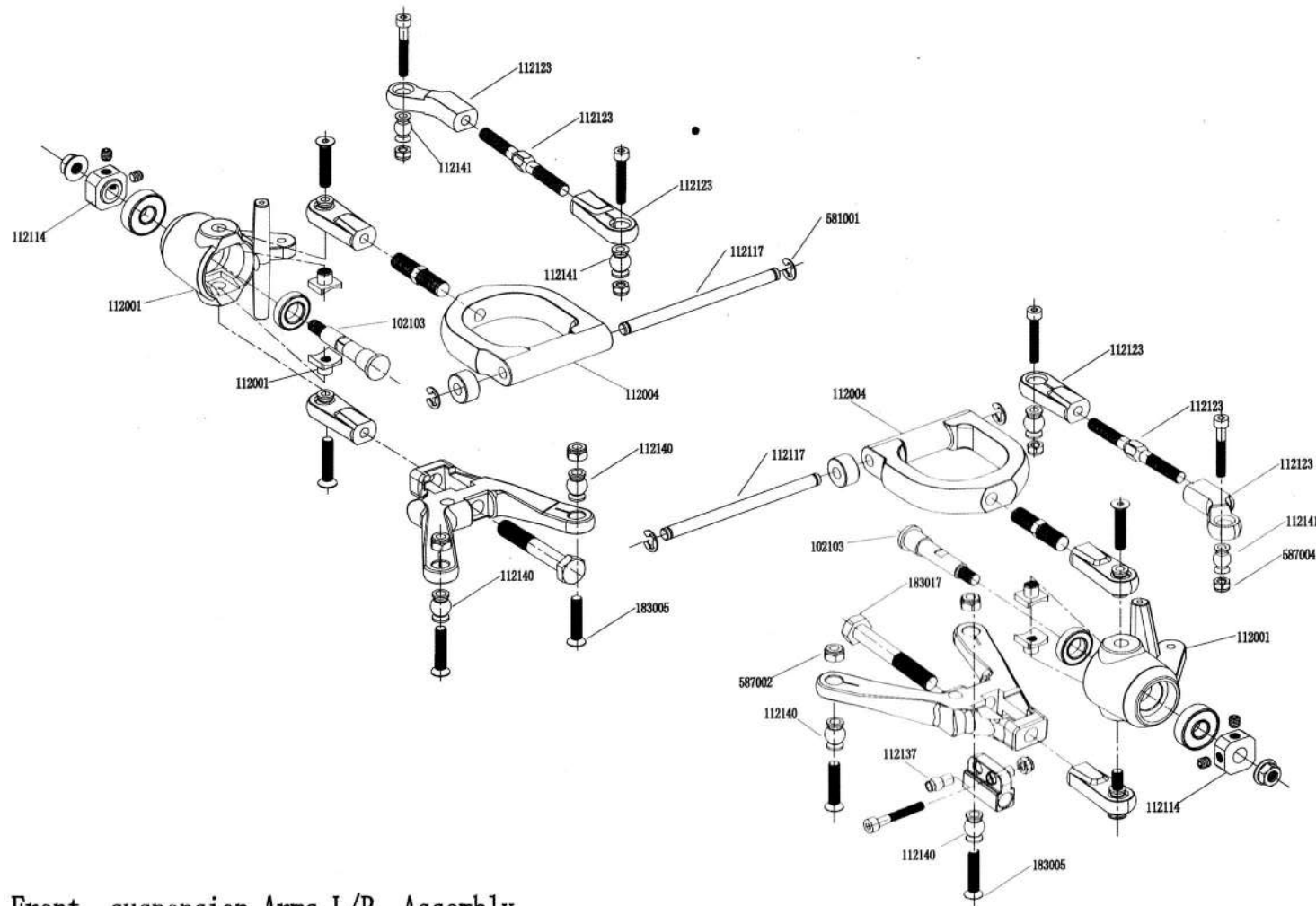
Servo Saver Assembly



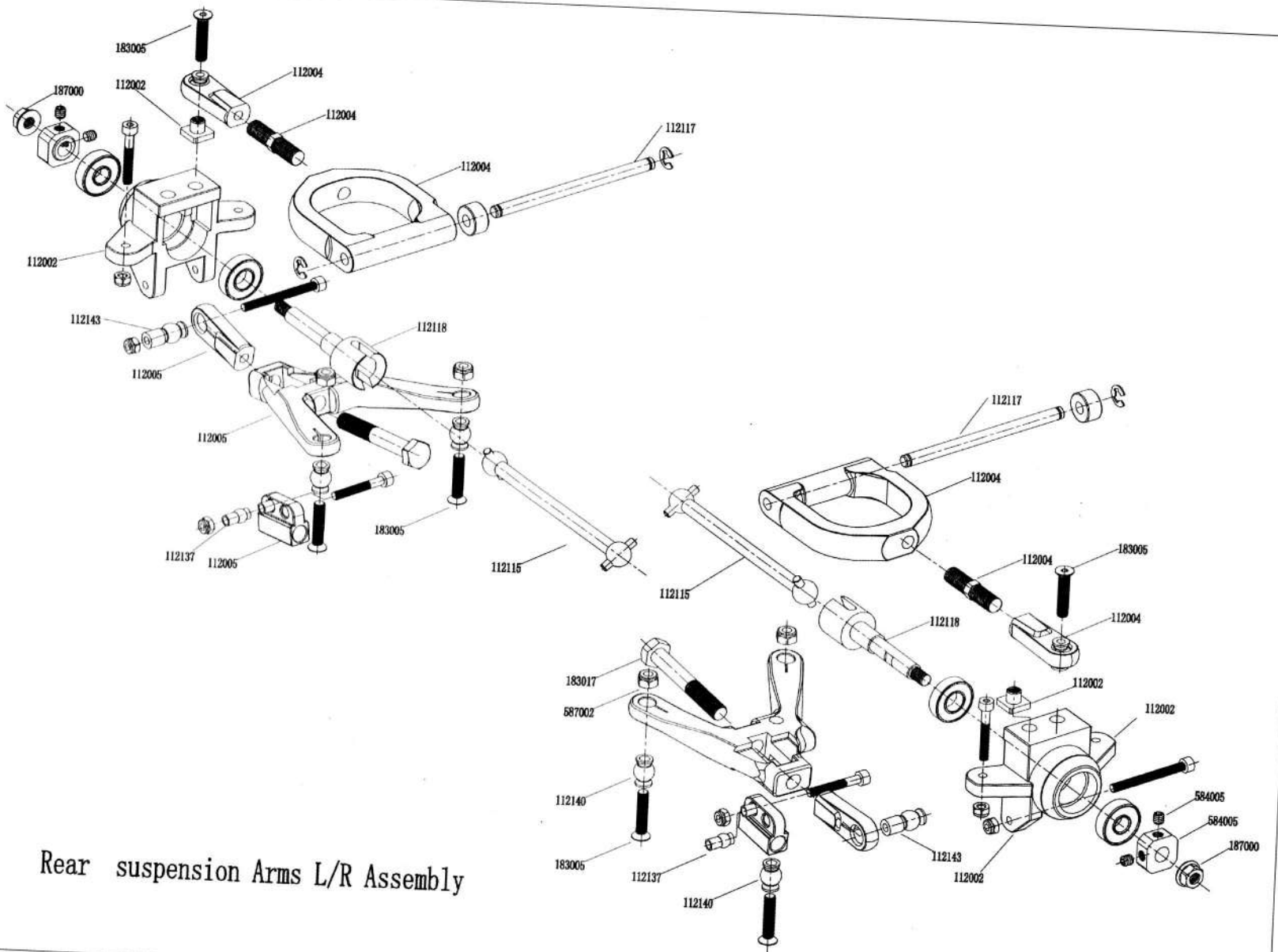
Front Half Part Assembly



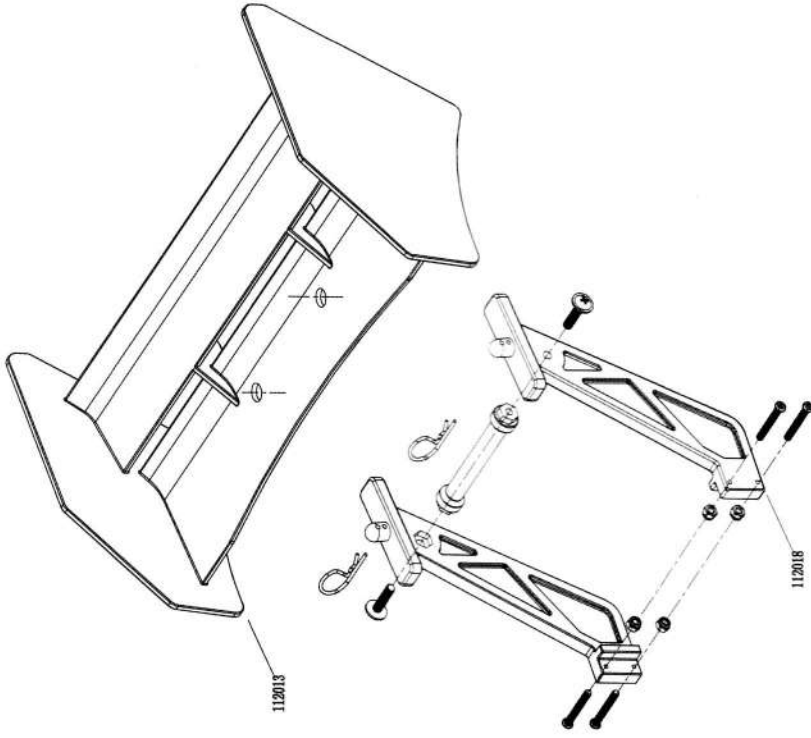
Rear Half Part Assembly



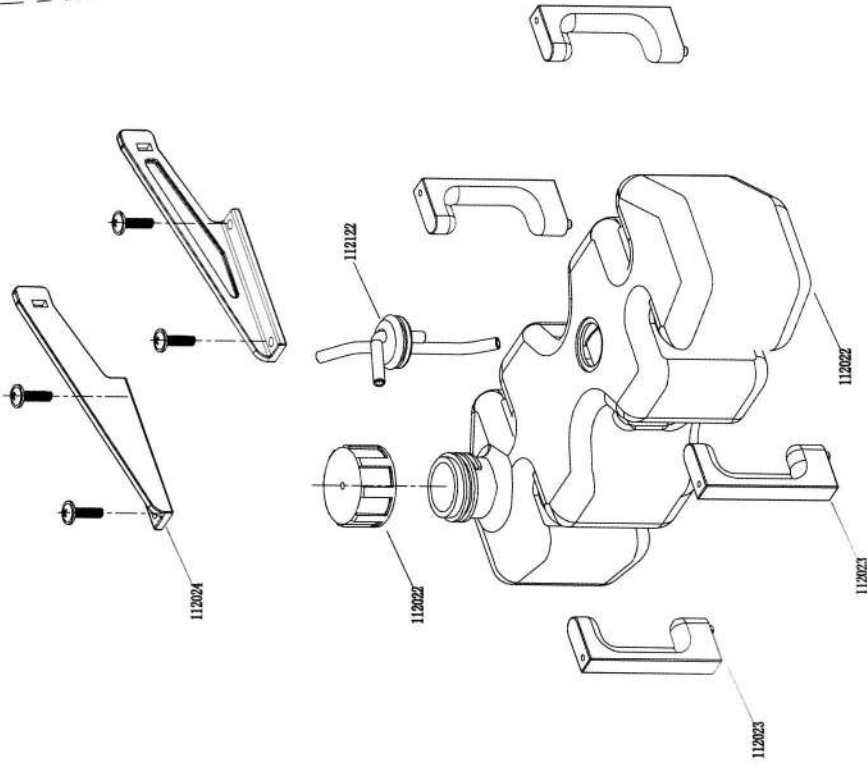
Front suspension Arms L/R Assembly



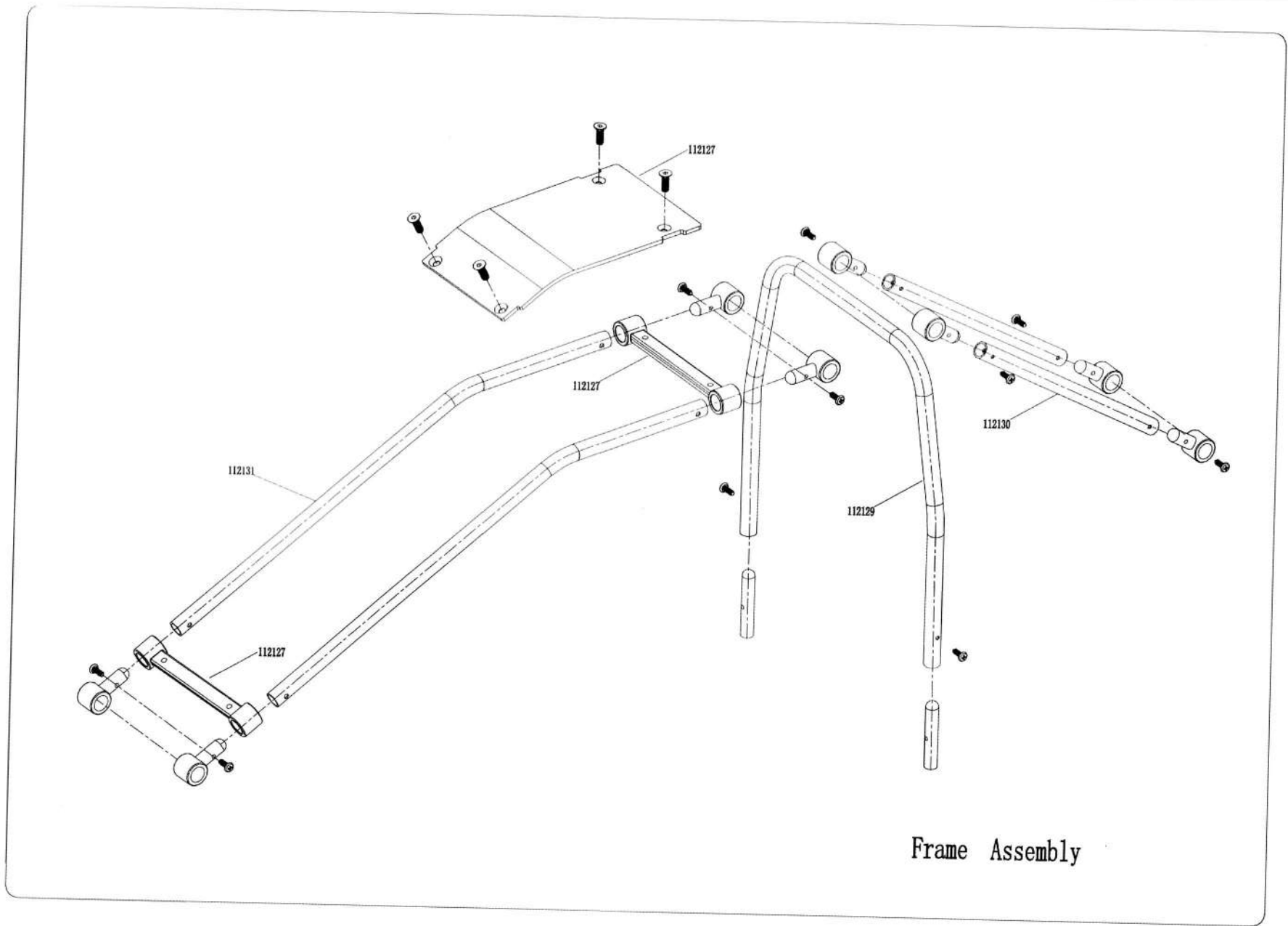
Rear suspension Arms L/R Assembly



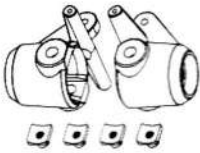
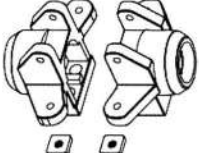
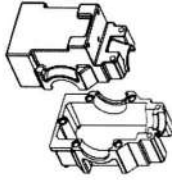

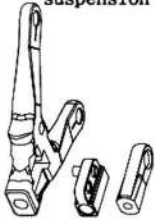
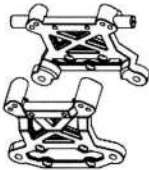
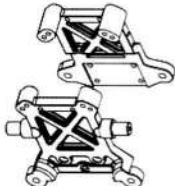
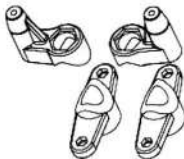



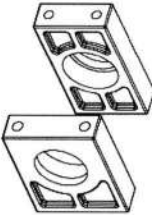



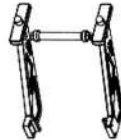
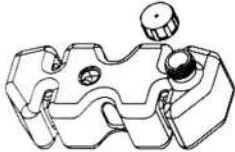
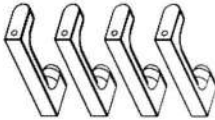

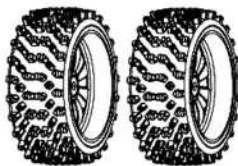
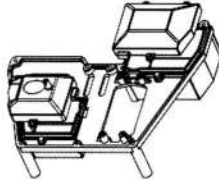
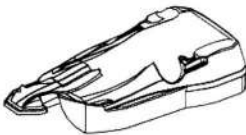

Wing Assembly




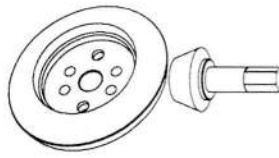
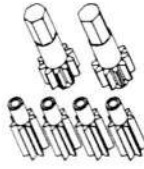
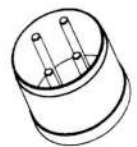
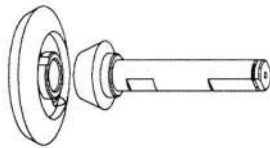

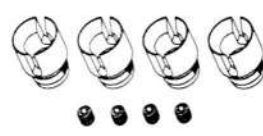
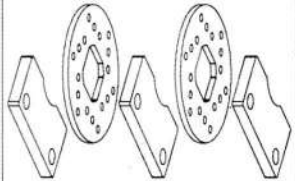
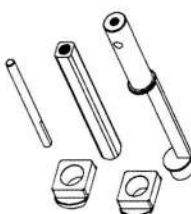

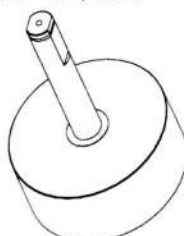
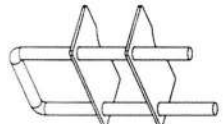









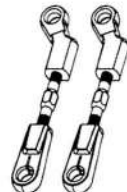

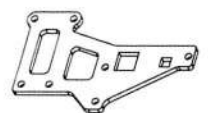
Fuel Tank Assembly



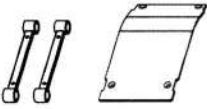

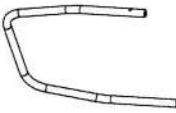

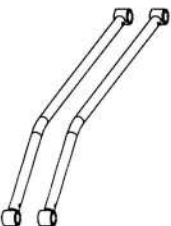

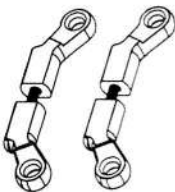



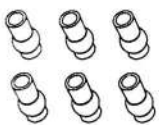




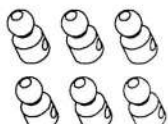


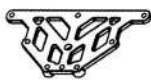
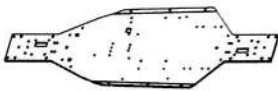

Part List For FS-10201 2WD Buggy

<p>112001 Steering hub set</p> 	<p>112002 Rear shaft hub set</p> 	<p>112003 Gear box set</p> 	<p>112004 Front upper suspension arm set</p> 
<p>112005 Front lower suspension arm set</p> 	<p>112006 Front shock tower</p> 	<p>112007 Rear shock tower</p> 	<p>112009 Buffer mount set</p> 
<p>112011 Engine mount set</p> 	<p>112012 Bumper set</p> 	<p>112013 Wing</p> 	<p>112014 Mid-diff mount set</p> 
<p>112015 Main gear set</p> 	<p>112016 Bevel gear set</p> 	<p>112018 Gear cover</p> 	<p>112020 Wing bracket set</p> 
<p>112022 Fuel tank set</p> 	<p>112023 Fuel tank mount set</p> 	<p>112024 Fuel connecting set</p> 	<p>112025 Tyre set</p> 
<p>102001 Radio tray set</p> 	<p>102002 Body</p> 	<p>102003 Body decal</p> 	




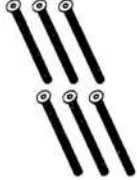

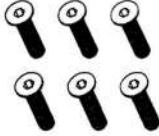
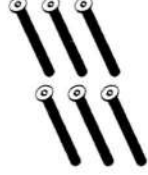
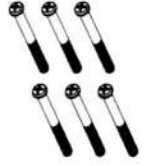
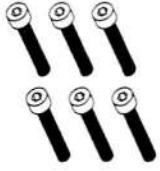

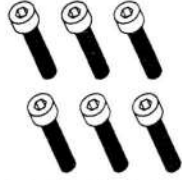

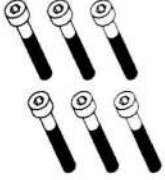



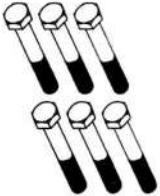


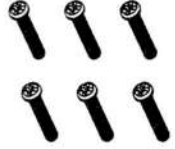




Part List For FS-10201 2WD Buggy

<p>102104 Engine 30CC</p> 	<p>112102 Gear set</p> 	<p>112103 Diff gear set</p> 	<p>112104 Diff box set</p> 
<p>112105 Central gear set</p> 	<p>112106 Brake mount set</p> 	<p>112107 Connecting cup set</p> 	<p>112108 Clutch friction set</p> 
<p>112109 Brake shaft set</p> 	<p>112110 Mid-diff gear mount set</p> 	<p>112111 Flywheel</p> 	<p>112112 Brake rod set</p> 
<p>112113 Bevel gear shaft set</p> 	<p>112114 Wheel combined set</p> 	<p>112115 Central front shaft set</p> 	<p>112116 Central rear shaft set</p> 
<p>112117 Front upper suspension arm set</p> 	<p>112118 Rear axle set</p> 	<p>112120 Buffer shaft set</p> 	<p>112121 Buffer hex set</p> 
<p>112122 fuel tube</p> 	<p>112123 Steering connecting rod set</p> 	<p>112124 Rear shaft hub connecting rod set</p> 	<p>112126 Mid-diff upper supporting plate</p> 


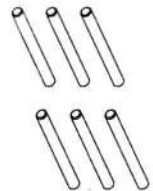
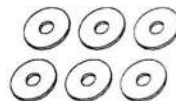
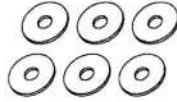
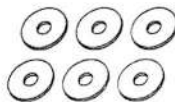




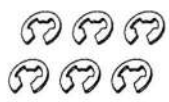
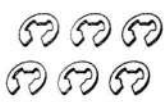
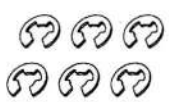





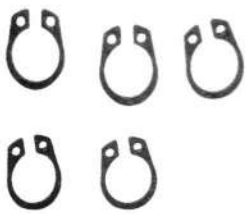

Part List For FS-10201 2WD Buggy

<p>112127 Body front upper supporting plate</p> 	<p>112128 Engine mount</p> 	<p>112129 Mid frame set</p> 	<p>112130 Rear frame set</p> 
<p>112131 Front frame set</p> 	<p>112132 Servo pulling rod set</p> 	<p>112133 Buffer pulling rod set</p> 	<p>112134 Front shock set</p> 
<p>112135 Rear shock set</p> 	<p>112136 Throttle pull set</p> 	<p>112137 Ball head 6.8*13 *6PCS</p> 	<p>112138 Ball head 8.8*13 *6PCS</p> 
<p>112139 Ball head 6.8*11 *6PCS</p> 	<p>112140 Ball head 9.8*14 (\$ 1) *6PCS</p> 	<p>112141 Ball head 9.8*14 (\$ 1) *6PCS</p> 	<p>112142 Ball head 6.8*14.5 *6PCS</p> 
<p>112143 Ball head 9.8*21 *6PCS</p> 	<p>112144 Ball head 9.8*25.5 *6PCS</p> 	<p>102101 Front upper plate</p> 	<p>102102 Chasis</p> 
<p>102103 Front axle set</p> 			

Part List For FS-10201 2WD Buggy

<p>183001 Flat hex screw M4*12 *6PCS</p> 	<p>183002 Connter Sunk Screw M5*38</p> 	<p>183003 self-tapping flat hex screw 4*12 *6PCS</p> 	<p>183004 Flat hex screw M4*60 *6PCS</p> 
<p>183005 Flat hex screw M5*25 *6PCS</p> 	<p>183006 Self-tapping flat hex screw 4*16 *6PCS</p> 	<p>183007 Self-tapping flat hex screw 4*44 *6PCS</p> 	<p>183008 Round cross screw M4*48 *6PCS</p> 
<p>183009 Round hex screw M4*25 *6PCS</p> 	<p>183010 Round hex screw M4*42 *6PCS</p> 	<p>183011 Round hex screw M4*20 *6PCS</p> 	<p>183012 Round Cross Screw M4*77</p> 
<p>183013 Round hex screw M4*28.5 *6PCS</p> 	<p>183014 Umbrella cross screw M4*16 *6PCS</p> 	<p>183015 Umbrella self- tapping screw 4*16 *6PCS</p> 	<p>183016 Round hex screw M6*36 *6PCS</p> 
<p>183017 Hex screw M8*55 *6PCS</p> 	<p>583014 Flat screw M4*10 *6PCS</p> 	<p>583015 Umbrella cross screw M3*12 *6PCS</p> 	<p>583023 Round cross screw M3*22 *6PCS</p> 
<p>583036 Round cross screw M4*12 *6PCS</p> 	<p>583042 Round cross screw M3*16 *6PCS</p> 	<p>584001 Set screw M3*3 *6PCS</p> 	<p>584005 Set screw M5*5 *6PCS</p> 

Part List For FS-10201 2WD Buggy

<p>184001 Set screw M6*6 *6PCS</p> 	<p>185000 Pin Φ31 *6PCS</p> 	<p>186000 Shim Φ6*1 *6PCS</p> 	<p>186001 Shim Φ10*1 *6PCS</p> 
<p>186002 Shim Φ12*1 *6PCS</p> 	<p>587000 Nut M3 *6PCS</p> 	<p>587002 Nut M5 *6PCS</p> 	<p>587004 Nut M4 *6PCS</p> 
<p>187000 Nut M6 *6PCS</p> 	<p>581001 E-clip Φ *6PCS</p> 	<p>581003 E-clip Φ *6PCS</p> 	<p>181001 E-clip Φ *6PCS</p> 
<p>182001 Bearing 10X26X8</p> 	<p>181002 Bearing 8X22X7</p> 	<p>181003 Bearing 10X22X6</p> 	<p>582001 Bearing 10X19X5</p> 
<p>582008 Bearing 8X16X5</p> 	<p>112180 C-clip Φ8</p> 		<p>102105</p> 

Parts List For FS-10201 Buggy

NO.	Item name	quantity	NO.	Item name	quantity
112001	Steering hub	1set	112137	Ballhead 6.8*13	6pcs
112002	Rear shaft hub set	1set	112138	Ballhead 8.8*13	6pcs
112003	Gear box set	1set	112139	Ballhead 6.8*11	6pcs
112004	Front upper suspension arm set	1set	112140	Ballhead 9.8*14 φ5.1	6pcs
112005	Front lower suspension arm set	1set	112141	Ballhead 9.8*14 φ4.1	6pcs
112006	Front Shock Tower	1set	112142	Ballhead 6.8*14.5	6pcs
112007	Rear Shock Tower	1set	112143	Ballhead 9.8*21	6pcs
112009	Buffer mount set	1set	112144	Ballhead 9.8*25.5	6pcs
112011	Engine mount set	1set	102101	Front Upper plate	6pcs
112012	Bumper set	1set	102102	Chassis	6pcs
112013	Wing	1set	102103	Front Axle set	6pcs
112014	Mid-differential mount set	1set	183001	Flat Cross Screw M4*12	6pcs
112015	Main gear set	1set	183002	Flat Cross Screw M4*38	6pcs
112016	Bevel gear	1set	183003	Flat Screw 4*12	6pcs
112018	Gear cover	1set	183004	Flat Cross Screw M4*60	6pcs
112020	Wing Bracket	1set	183005	Flat Cross Screw M5*25	6pcs
112022	Fuel tank	1set	183006	Flat Screw 4*12 4*16	6pcs
112023	Fuel tank Fixed Mount	1set	183007	Flat Screw 4*44	6pcs
112024	Fuel connecting set	1set	183008	Round Cross Screw M4*48	6pcs
112025	Tyre Set	1set	183009	Round Cross Screw M4*25	6pcs
102001	Radio tray set	1set	183010	Round Cross Screw M4*42	6pcs
102002	Body shell	1set	183011	Round Cross Screw M4*20	6pcs
102003	Body Decal	1set	183012	Round Cross Screw M4*80	6pcs
112101	Engine	1set	183013	Round Cross Screw M4*28.5	6pcs
112102	Gear set	1set	183014	Umbrella Cross screw M4*16	6pcs
112103	Differential gear set	1set	183015	Umbrella screw 4*16	6pcs
112104	Differential box set	1set	183016	Round Cross Screw M6*36	6pcs
112105	Central gear	1set	183017	Hex Cross screw M8*55	6pcs
112106	Brake mount set	1set	583014	Umbrella Cross screw M4*10	6pcs
112107	Connecting Cup set	1set	583015	Umbrella Cross screw M3*12	6pcs
112108	Clutch friction set	1set	583023	Round Cross Screw M3*22	6pcs
112109	Brake shaft set	1set	583036	Round Cross Screw M4*12	6pcs
112110	Mid-differential Gear	1set	583042	Round Cross Screw M3*16	6pcs
112111	Fly wheel	1set	584001	Set screw M3*3	6pcs
112112	Brake rod set	1set	584005	Set screw M5*5	6pcs
112113	Bevel gear shaft set	1set	184001	Set screw M6*6	6pcs
112114	Wheels combined set	1set	185000	Pin φ3*31	6pcs
112115	Central front shaft set	1set	186000	shim φ5*16*1	6pcs
112116	Central Rear Shaft Set	1set	186001	shim φ4*10*1	6pcs
112117	Front upper suspension arm shaft set	1set	186002	shim φ6*12*1	6pcs
112118	Rear Axle set	1set	587000	Nut M3	6pcs
112120	Buffer shaft set	1set	587002	Nut M5	6pcs
112121	Buffer Hex set	1set	587004	Nut M4	6pcs
112122	Fuel tube set	1set	187000	Nut M6	6pcs
112123	Steering connecting rod set	1set	581001	E-clip φ5	6pcs
112124	Rear shaft hub connecting rod set	1set	581003	E-clip φ3	6pcs
112126	Mid diff upper supporting plate set	1set	181001	E-clip φ8	6pcs
112127	Body Front upper supporting plate set	1set	182001	Bearing 10*26*8	6pcs
112128	Engine mount set	1set	181002	Bearing 8*22*7	6pcs
112129	Mid Frame set	1set	181003	Bearing 10*22*6	6pcs
112130	Rear Frame set	1set	582001	Bearing 10*19*5	6pcs
112131	Front Frame set	1set	582008	Bearing 8*16*5	6pcs
112132	Servo pulling rod set	1set			
112133	Buffer pulling rod	1set			
112134	Front Shock set	1set			
112135	Rear Shock set	1set			
112136	throttle pull set	1set			