

# 1:8th 6S EP CAR

FS33651P/FS33669P/FS33670P/FS33675P



**FOCUS 6S**



**LEOPARD 6S**



**SHARKS 6S**



**ATOM 6S**

## SPECIFICATIONS

### 6S BUGGY

Length.....510mm  
 Width.....310mm  
 Height.....190mm  
 Wheel base.....325mm  
 wheel diameter.....120mm  
 ESC.....150A  
 Motor.....4274 KV2000  
 Servo.....15kg  
 Radio.....2.4G

### 6S TRUGGY

Length.....570mm  
 Width.....405mm  
 Height.....220mm  
 Wheel base.....325mm  
 wheel diameter.....145mm  
 ESC.....150A  
 Motor.....4274 KV2000  
 Servo.....15kg  
 Radio.....2.4G

### 6S MONSTER TRUCK

Length.....620mm  
 Width.....480mm  
 Height.....240mm  
 Wheel base.....360mm  
 wheel diameter.....170mm  
 ESC.....150A  
 Motor.....4274 KV2000  
 Servo.....15kg  
 Radio.....2.4G

### 6S DESERT BUGGY

Length.....540mm  
 Width.....340mm  
 Height.....220mm  
 Wheel base.....360mm  
 wheel diameter.....135mm  
 ESC.....150A  
 Motor.....4274 KV2000  
 Servo.....15kg  
 Radio.....2.4G

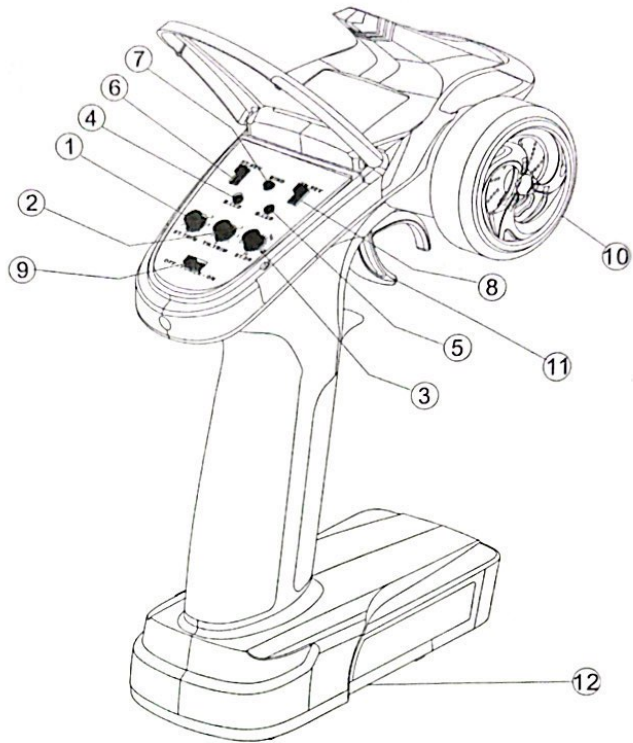
[www.fs-racingart.com](http://www.fs-racingart.com)





**each part of the transmitter**

- ① ST TRIM
- ② TH TRIM
- ③ ST D/R
- ④ POWER LED
- ⑤ POWER CHECK
- ⑥ ST REV
- ⑦ BIND Key
- ⑧ TH REV
- ⑨ ppower
- ⑩ STEERING WHEEL
- ⑪ THROTTLE TRIGGER
- ⑫ BAT BOX



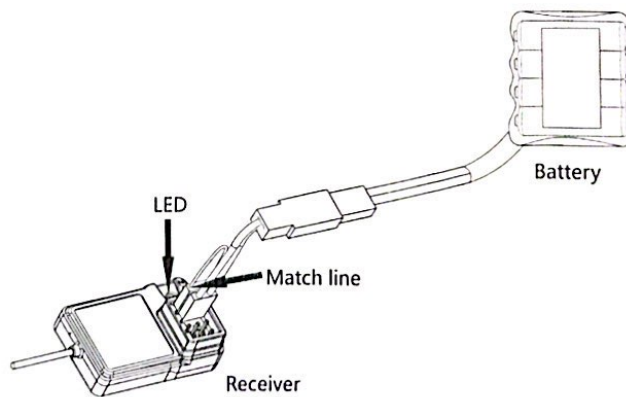
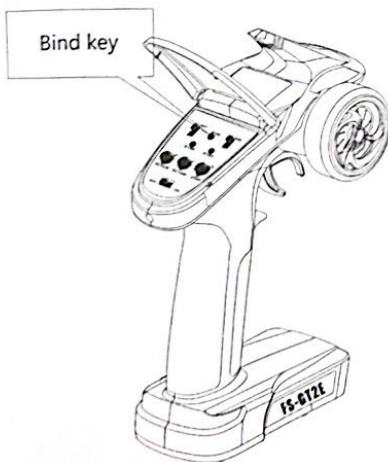
**Matching(code)/Binding**

All receivers are already paired with their respective transmitter during production. If you wish to bind it with another transmitter, please follow the instructions below.

Remark: FS - brand system are not compatible with other brands

Steps:

1. Ensure you are using AFHDS2A system
2. Correctly install the battery inside 2.4G transmitter w/o powering it on.
3. Insert the binding plug into the BIND channel slot on the receiver. (Figure.1).
4. Using a correct receiver battery pack, plug it in to VCC channel slot on the receiver. At this time, the LED on receiver should flash, indicating receiver has entered bind status.
5. Press and hold the binding button on transmitter, and then switch on the transmitter.
6. Observe the LED light on the receiver. If LED stops flashing, and stays lit permanently, the binding procedure is completed. (This process takes approximately 5S.)
7. Release the binding button on the transmitter, and unplug the bind cable.
8. Install the servos to test.
9. If the system does not work properly, repeat the procedure. (The above binding instruction is only suitable for any FLYSKY 2.4G products)



### TROUBLE SHOOTING

Problems	Reasons	Solution
Motor doesn't work	<ol style="list-style-type: none"> <li>1.Motor NG</li> <li>2.The motor has not welded</li> <li>3.The transmitter or the receiver work abnormally</li> <li>4.The battery doesn't have electricity</li> <li>5.The switch line inserts the wrong hole</li> </ol>	<ol style="list-style-type: none"> <li>1.Replace motor</li> <li>2.Weld the motor</li> <li>3.Ensuring correct connection of branch wire on each end, and to see whether transmitter and receiver are in "on"</li> <li>4.Replace or charge the battery</li> <li>5.Insert the line of switch into the right position</li> </ol>
Motor doesn't run well	<ol style="list-style-type: none"> <li>1.The battery capacity is insufficient</li> <li>2.The speed control has not adjusted well</li> <li>3.The transmission system is not smooth</li> </ol>	<ol style="list-style-type: none"> <li>1.Charge or replace the battery duly</li> <li>2. Adjust the speed control according to the instruction</li> <li>3. Replace the false position promptly</li> </ol>
It's hard to handle the car	<ol style="list-style-type: none"> <li>1.The transmitter or the receiver has adequate electricity</li> <li>2.The servo is not adjusted properly</li> <li>3.The electronic installation is disturbed</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace or charge the battery</li> <li>2. Readjust the servo</li> <li>3 Stop using or replace frequency</li> </ol>

### SAFETY PRECAUTION

- 1.Operating the car before you have assembled
- 2.Various power unit may not contact the water source, prevented short-circuits thus has out of control phenomenon
- 3.Ease check screw and nuts at all time to avoid loosen

**WARNING:** To avoid accidents and personal injury please

Carefully follow these aspects as below:

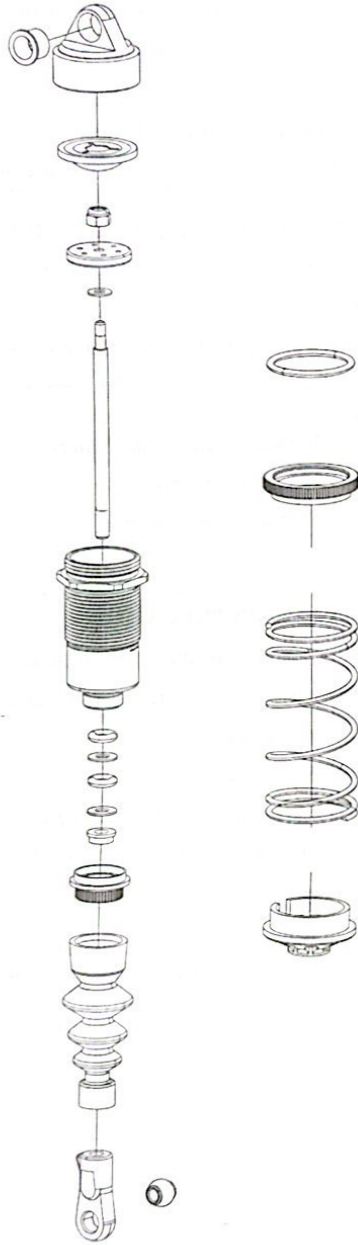
1. Never throw the battery into fire. Otherwise it may cause explosion
2. Never charge the battery excessively
3. Never use exceeded voltage to charge the battery
4. Never pull finger or other objects into rotating or moving parts
5. Never touch motor and muffler because of danger

### OPERATION PRECAUTION

- 1.Unobserved operation will cause accidents
- 2.Run your car in spacious place and never in the following place:
  - 1) Crowded road
  - 2) The place where children or people gather
  - 3) In residential, park and hospitals or close to airports
  - 4) Indoor or in limited place
3. Make sure the battery level of the transmitter and receiver are full
4. With low battery level, performance will fall off, the car may be out of control and even cause severe accidents
5. Never use the same frequency with someone else coinstantaneous, otherwise it may disturb the signals, the car may be out of control and cause severe accidents
6. If the car stops running abnormally, check the trouble and you shouldn't operate the car until trouble had been solved, otherwise further trouble may come out, and cause accidents.

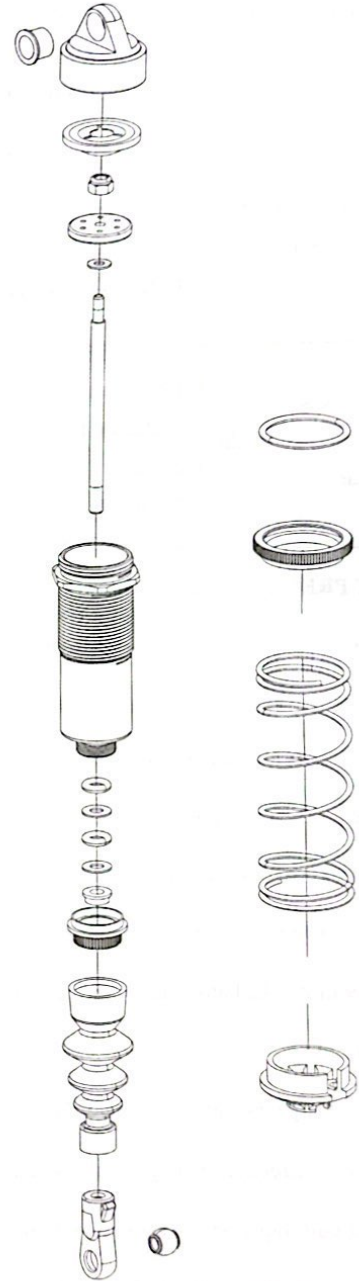


Front and Rear shock Assembly



Front shock

Focus: 336153  
 Leopard: 336154  
 Atom: 336151

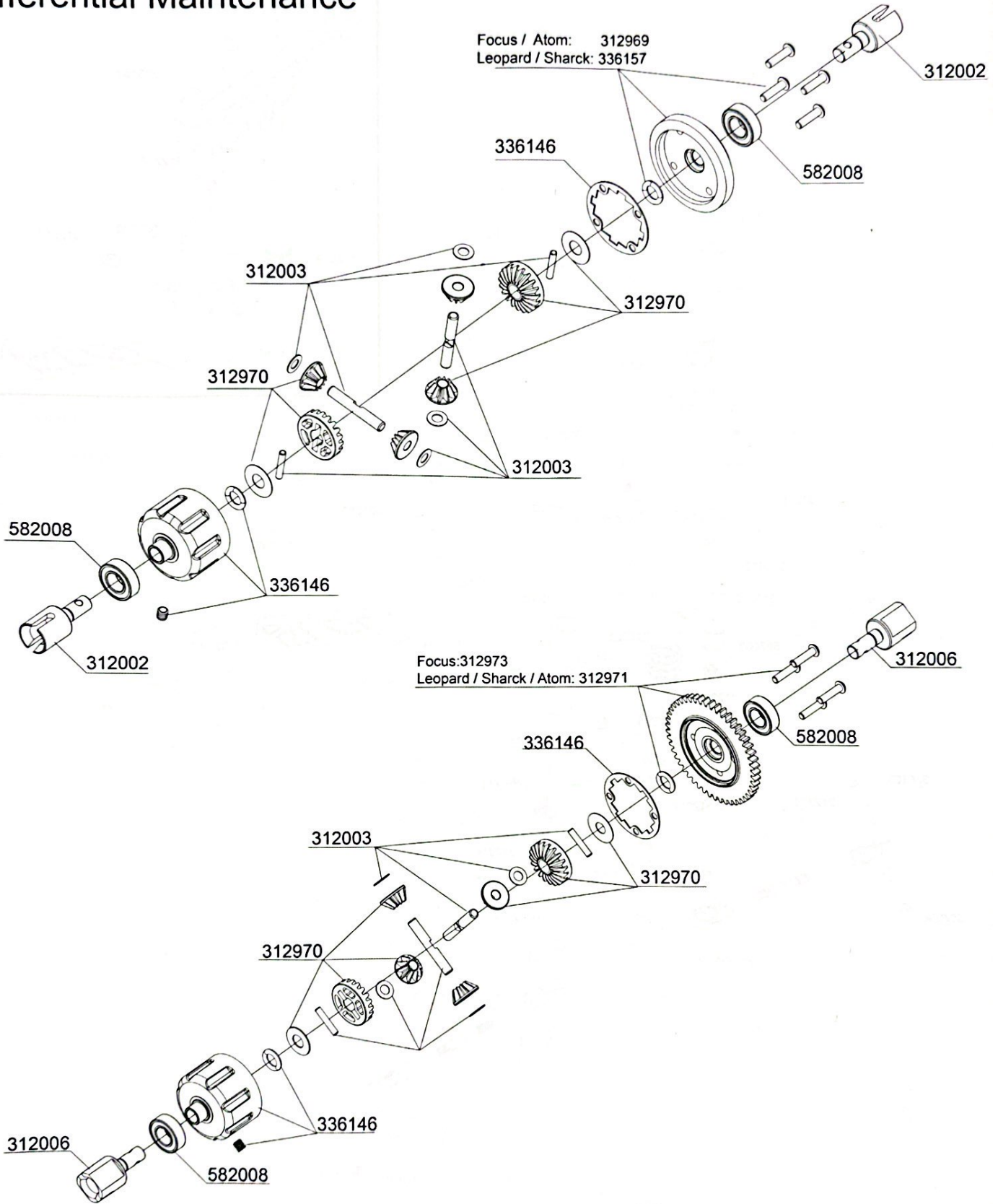


Rear shock

Focus: 336154  
 Leopard: 336156  
 Sharks: 336158  
 Atom: 336152



# Differential Maintenance























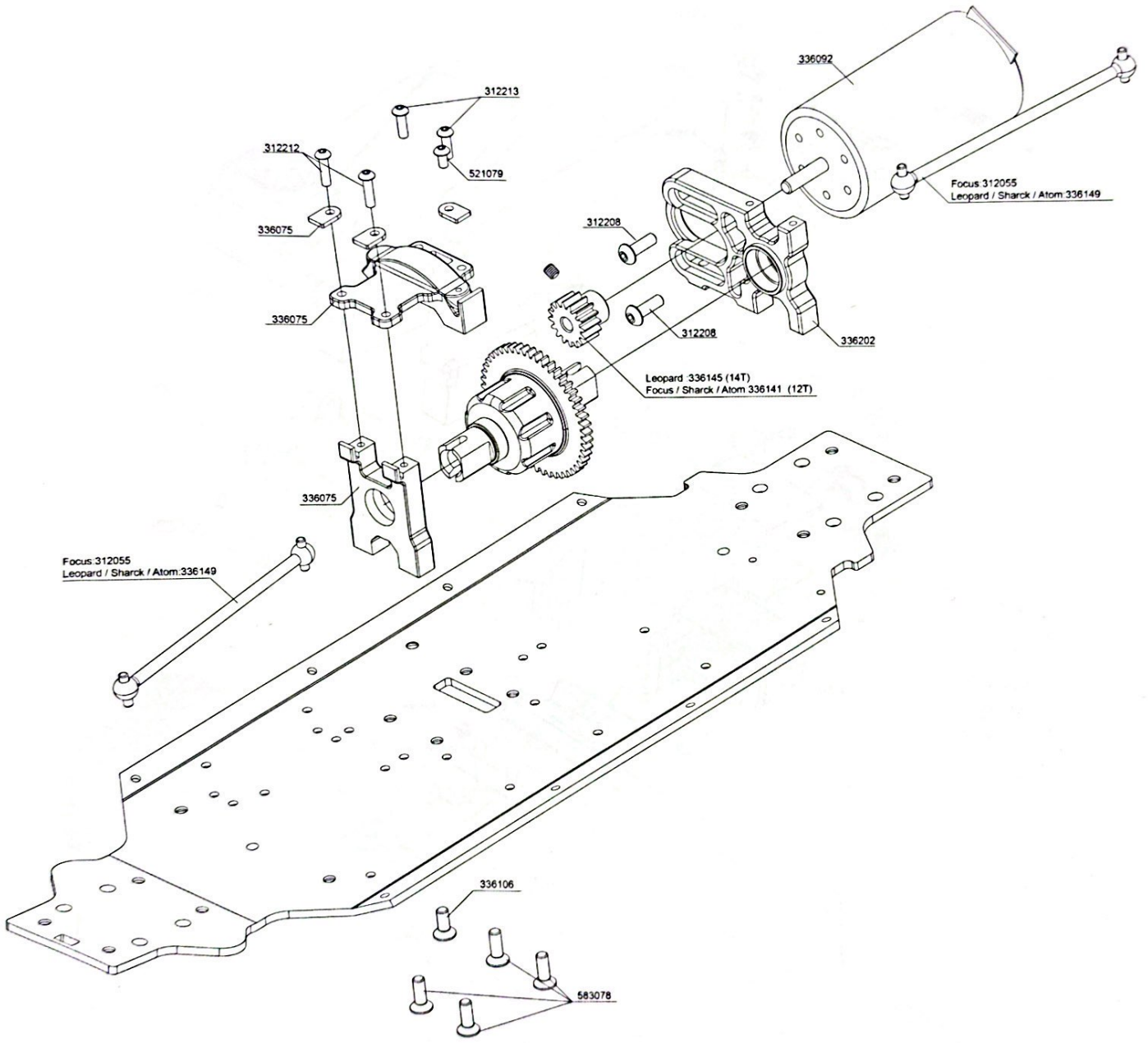




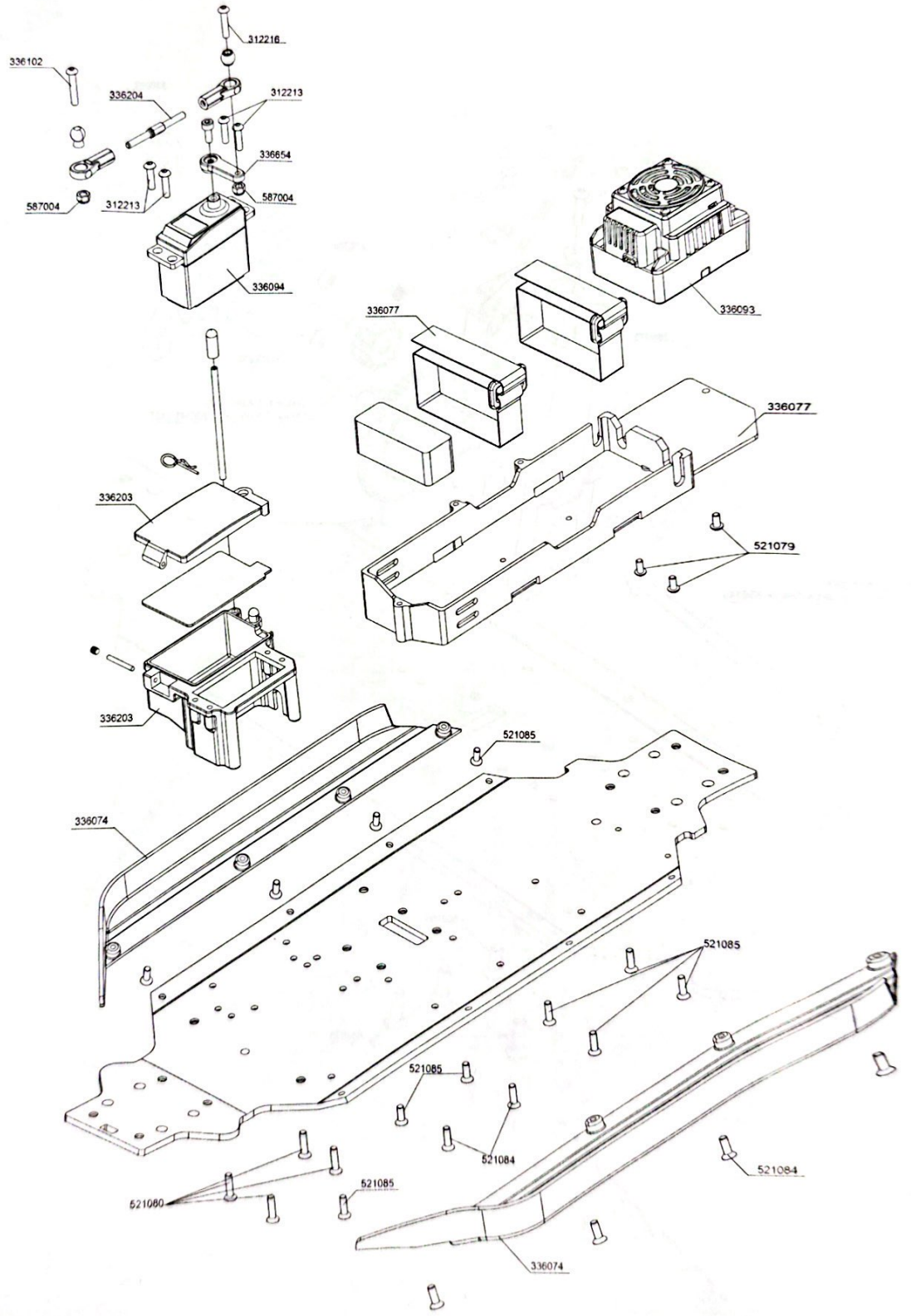




# Motor Assembly

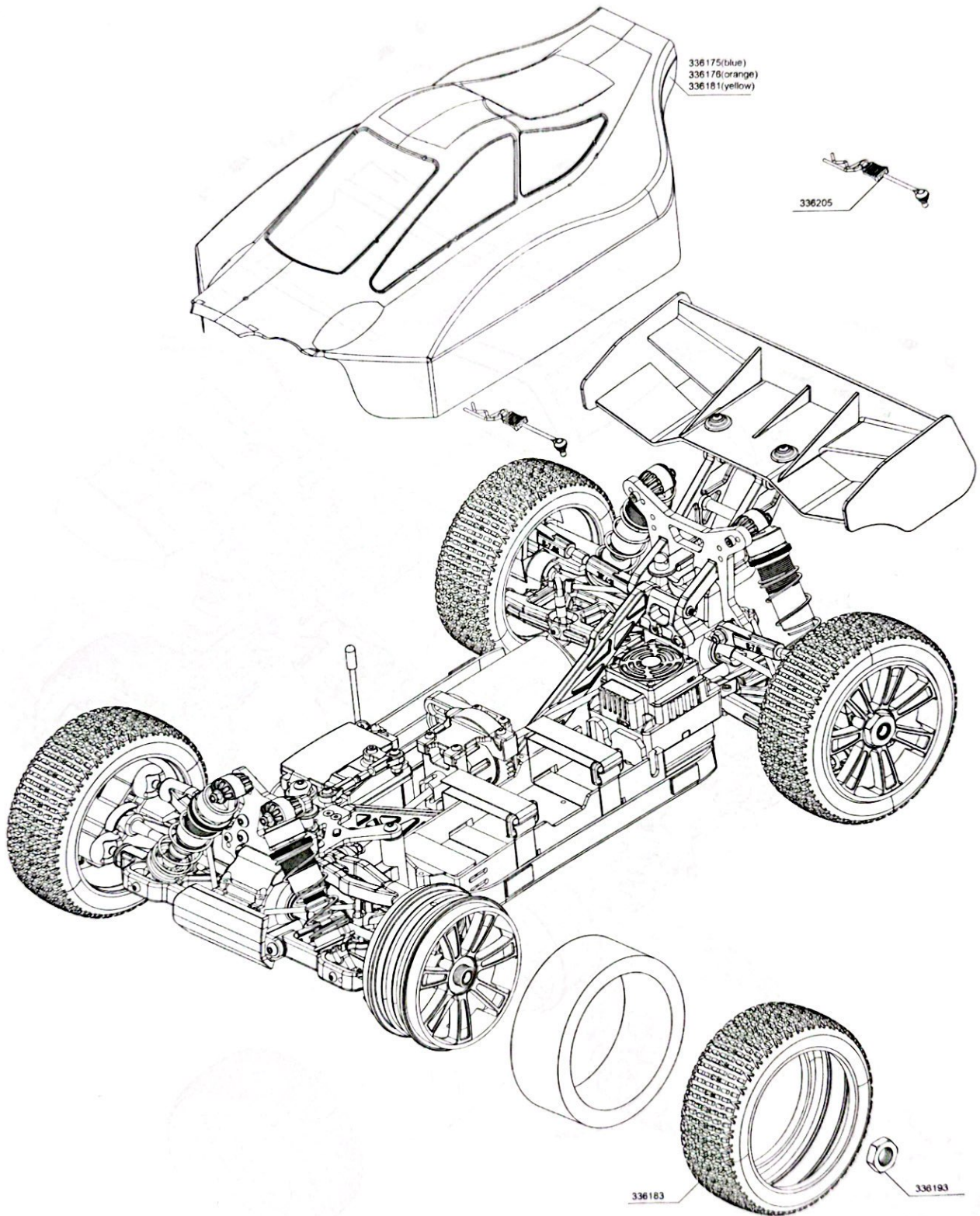


# Battery box and servo&receiver Assen



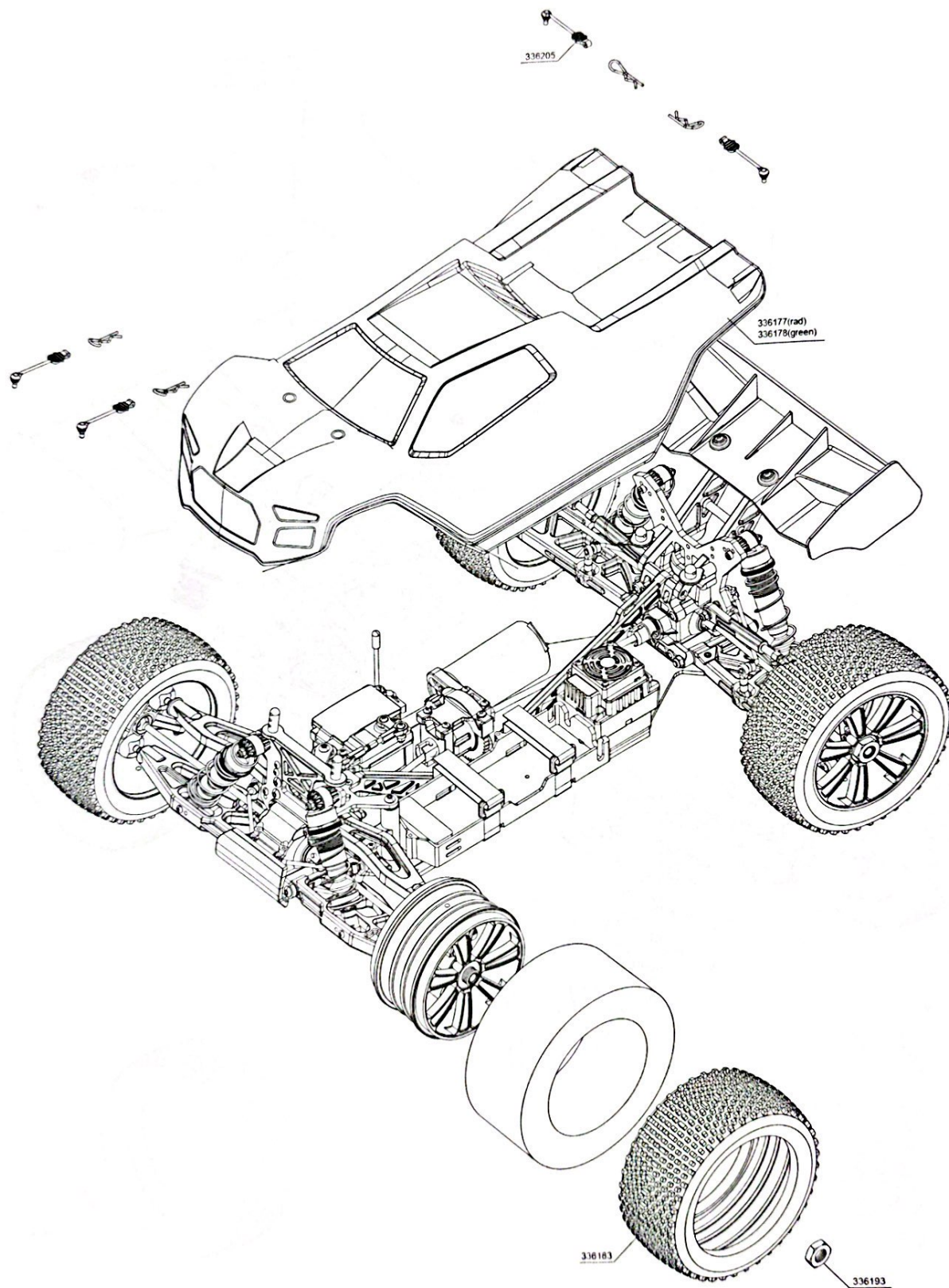


# Focus Tyre & Body Assembly



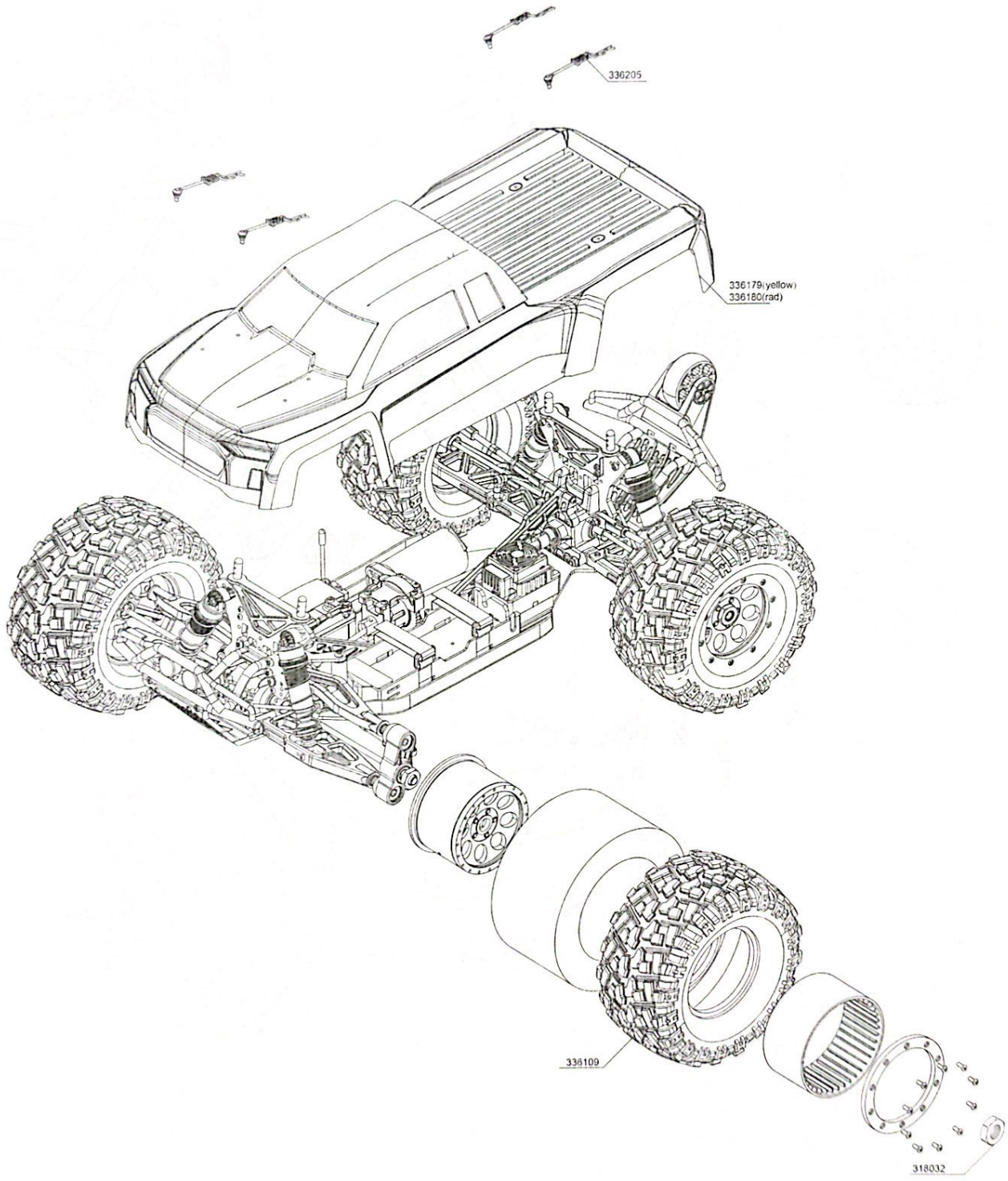


# Leopard Tyre & body Assembly

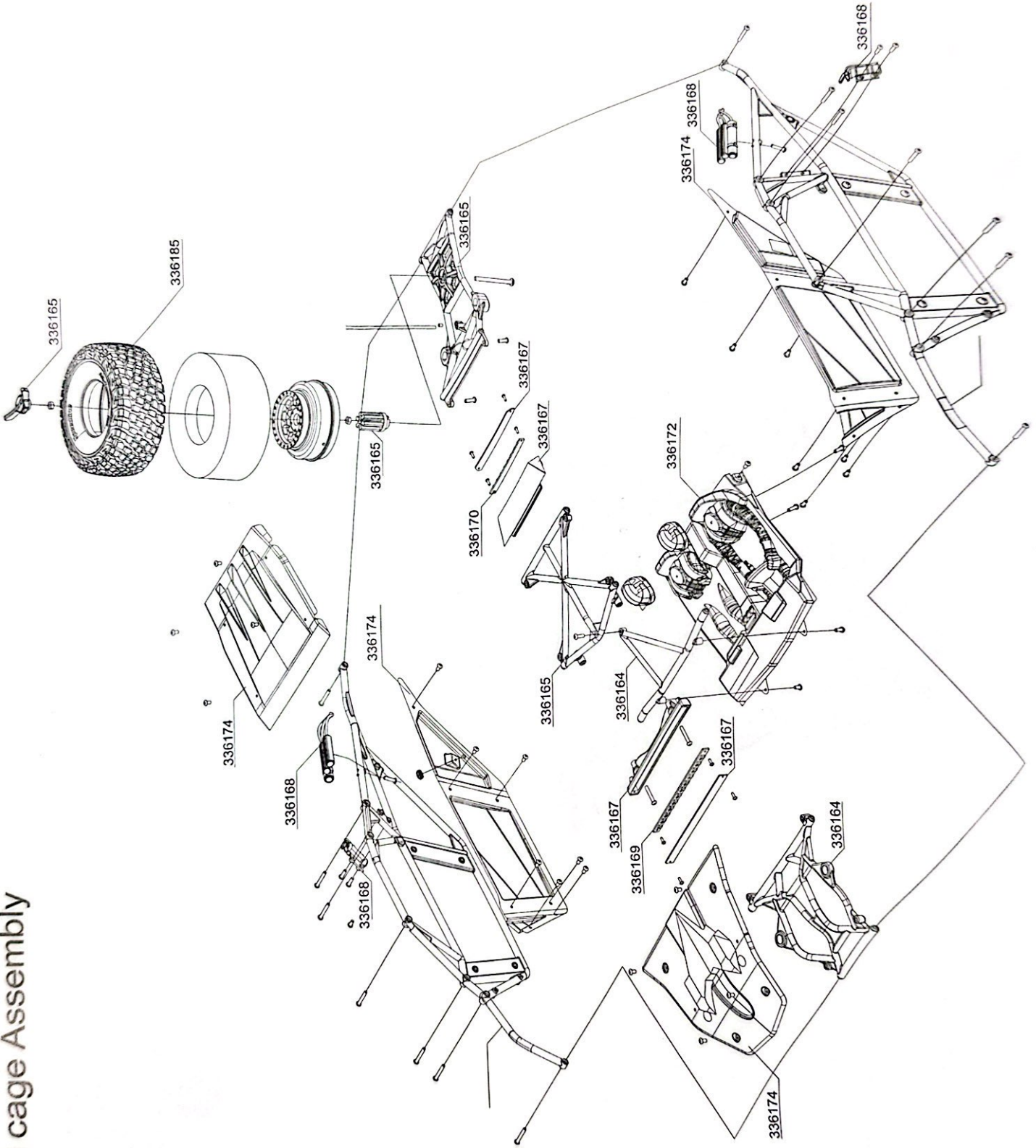




# Sharks Tyre & Body Assembly

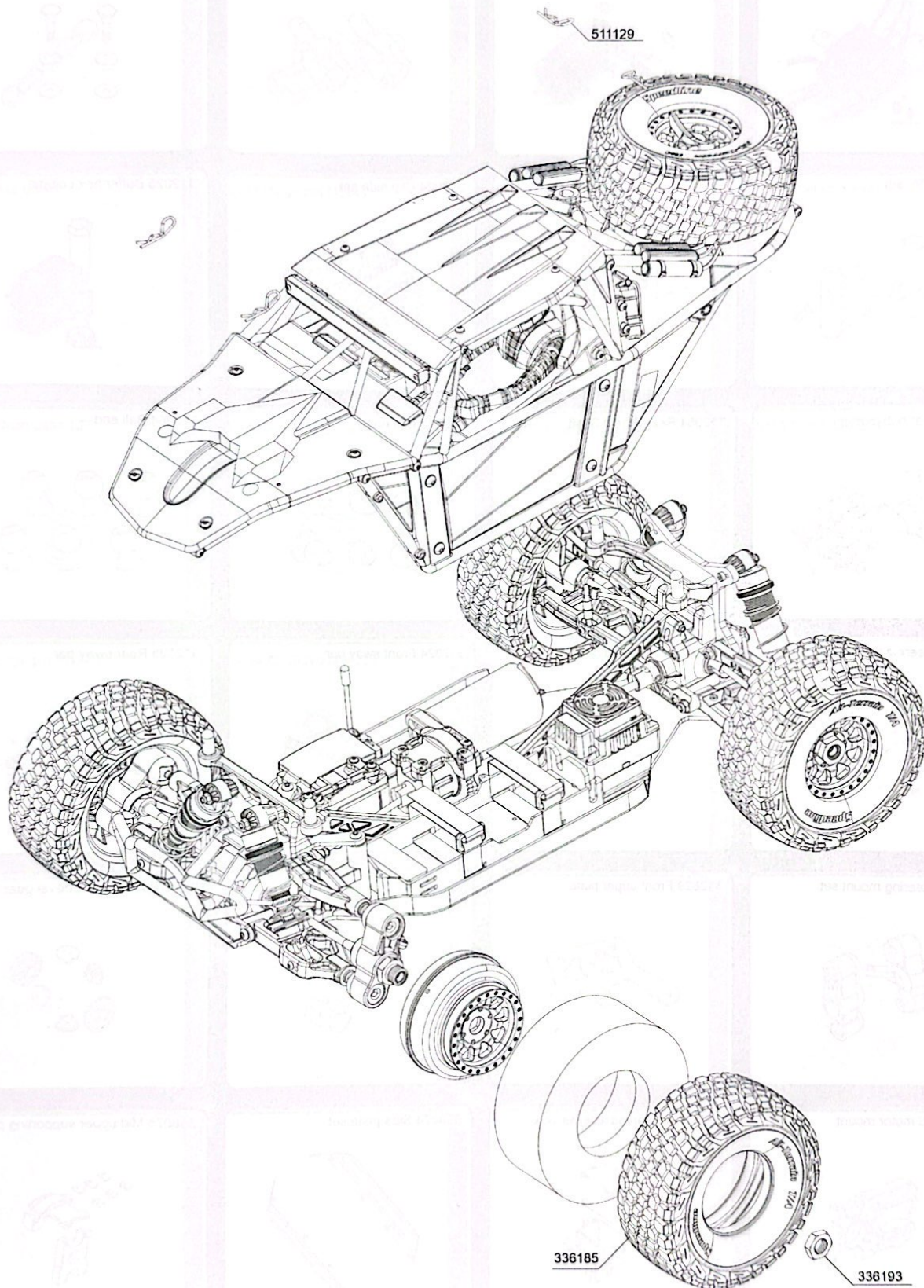


**Roll cage Assembly**



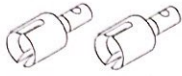


# Atom Tyre & Roll cage Assembly

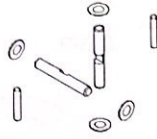




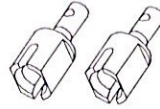
312002 Differential connecting cup set



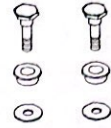
312003 Differential shaft set



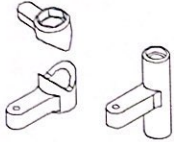
312006 Connecting cup for brake set



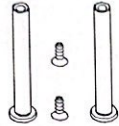
312012 Screw set



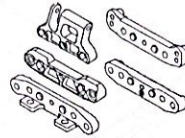
312013 Buffer set



312014 Servo saver shaft



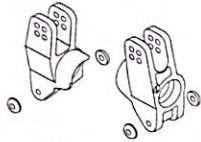
312024 Clip side set



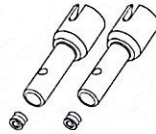
312025 Buffer hex column



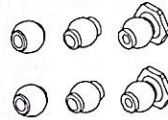
312036 Rear hub carrier



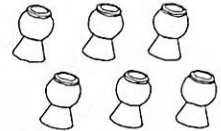
312054 Rear Wheel Shaft



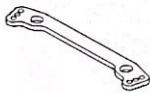
312063 Ball end



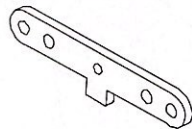
312064 Ball end



312083 Steering connecting plate



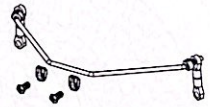
312088 Front clip slice



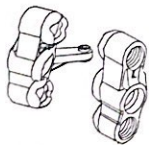
312324 Front sway bar



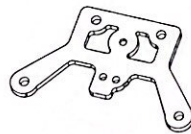
312325 Rear sway bar



312801 Steering mount set



312829 Front upper plate



312853 Small steel bevel connecting cup



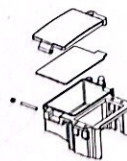
312970 Differential bevel gear set



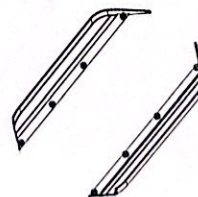
336071-LS motor mount



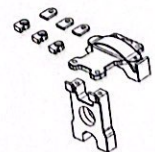
336072-LS servo&receiver box



336074 Side plate set



336075 Mid upper supporting plate

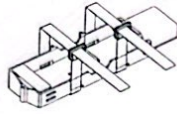




336076 Servo pulling rod set



336077 Battery box



336092 Motor 4274 KV2000



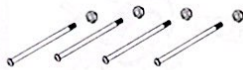
336093 Brushless esc 150A



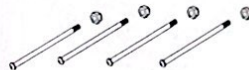
336094 15kg servo



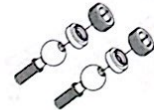
336133 Hinge pin M3x41



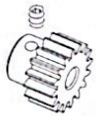
336134 Hinge pin M3x46



336192 Ball screw set



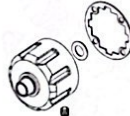
336141 Pinion gear-12T



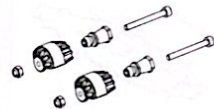
336145 Pinion gear-14T



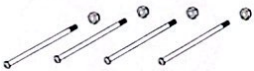
336146 Differential case set



336159 Shock ball joint



312206 Hinge pin M4x70



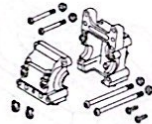
336654 AL Servo arm 25T





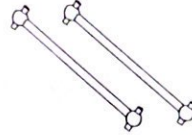

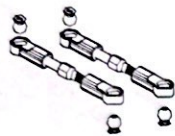
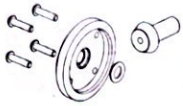


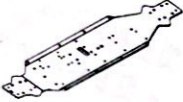



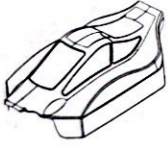
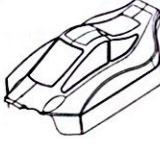
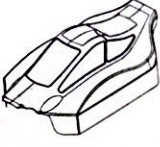
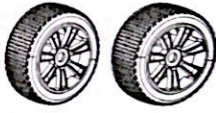
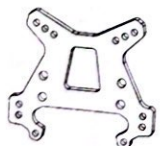


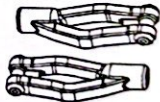
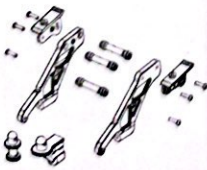

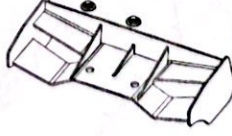
336655 Shock absorber Body set




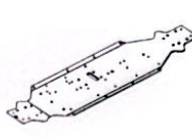


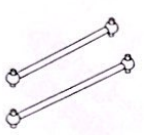

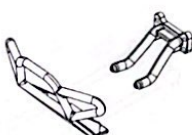
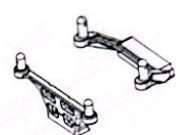
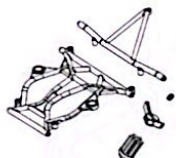
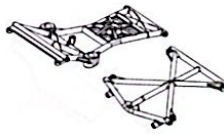

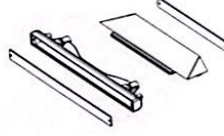
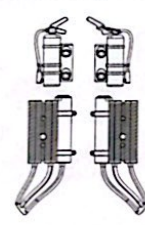
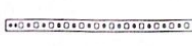
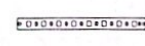


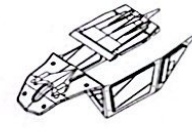
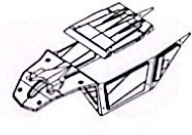


336656 Gear box





<p>312031 Rear lower arm</p> 	<p>312055 Mid shaft</p> 	<p>312056 Swing shaft</p> 	<p>312809 Front CVD shaft</p> 
<p>312825 Steering connecting rod</p> 	<p>312969 Follower gear (13/43)</p> 	<p>312973 Mid Gear(46T)</p> 	<p>319012 upper suspension arm</p> 
<p>336148 Chassis(Focus)</p> 	<p>336153 Rear shock absorber(Focus)</p> 	<p>336154 Front shock absorber(Focus)</p> 	<p>336160 Chassis brace</p> 
<p>336175 Body+decal(blue)</p> 	<p>336176 Body+decal (orange)</p> 	<p>336175 Body+decal(yellow)</p> 	<p>336183 Tire set</p> 
<p>336186 Front shock tower</p> 	<p>336187 Rear shock tower</p> 	<p>336644 Front lower suspension arm</p> 	<p>336646 Front upper suspension arm</p> 
<p>336660 wing bracket set</p> 	<p>336661 Wheel hex adapters</p> 	<p>302006 Wing</p> 	



<p>312971 Mid Gear(49T)</p> 	<p>336147 Chassis (Atom / Leopard)</p> 	<p>336151 Rear shock absorber(Atom)</p> 	<p>336152 Front shock absorber(Atom)</p> 
<p>336149 Mid shaft</p> 	<p>336160 chassis brace</p> 	<p>336162 Bumper</p> 	<p>336163 Body post set</p> 
<p>336164 Front frame</p> 	<p>336165 Rear frame</p> 	<p>336166 Side frame</p> 	<p>336167 LED bar</p> 
<p>336168 Fire extinguisher</p> 	<p>336169 Front LED</p> 	<p>336170 Rear LED</p> 	<p>336171 LED Connecting cables</p> 
<p>336172 The cockpit</p> 	<p>336173 Body+decal(blue)</p> 	<p>336174 Body+decal(red)</p> 	<p>336184 Tire set (blue)</p> 
<p>336185 Tire set (red)</p> 			



313002 Front lower suspension arm



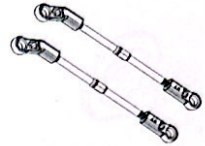
336646 Front upper suspension arm



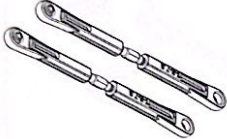
313101 Rear lower arm



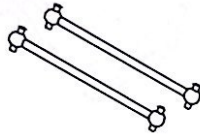
318004 steering connecting rod set



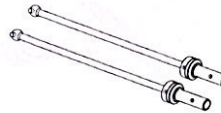
318028 rear upper arm



313006m Swing Shaft



313150 Front CVD Shaft Set



336155 Rear shock absorber (Leopard)



336156 Front shock absorber (Leopard)



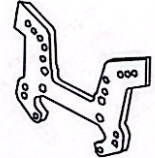
336177 Body+decal (red)



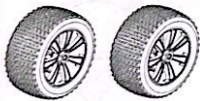
336178 Body+decal (green)



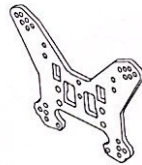
336188 Front Shock Tower



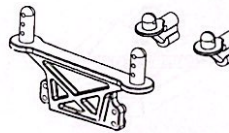
336183 Tire set



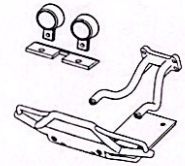
336189 shock tower



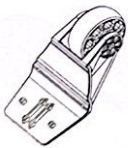
336190 body post set



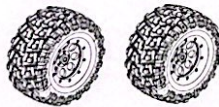
318015 Bumper



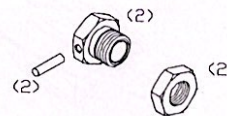
318030 wheelie bar



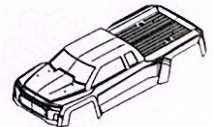
336109 Tire Set



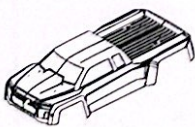
336194 wheel hex adapters



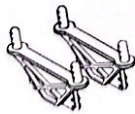
336179 Body+decal (orange)



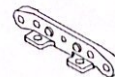
336180 Body+decal (red)



336200 body post set



336201 AL Clip side



336158 shock absorber (sharks)





582008 Bearing 8x16x5



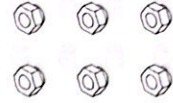
582009 Bearing 6x10x3



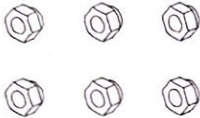
587003 Nylon nut M2.5



587004 Nylon nut M3



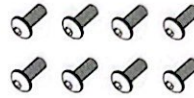
587005 Nylon nut M4



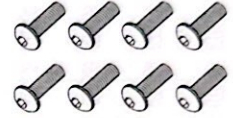
521079 Umbrella head hex screw M3x6



521073 Umbrella head hex screw M3x8



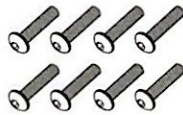
312213 Umbrella head hex screw M3x10



312212 Umbrella head hex screw M3x12



312216 Umbrella head hex screw M3x15



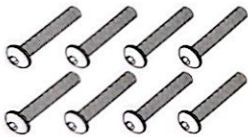
336102 Umbrella head hex screw M3x18



336103 Umbrella head hex screw M3x20



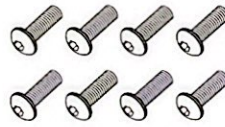
336104 Umbrella head hex screw M3x22



312217 Umbrella head hex screw M4x10



312208 Umbrella head hex screw M4x12



336135 Umbrella head hex screw M4x16



336105 Umbrella head hex screw M4x20



521084 Flat head hex screw M3x6



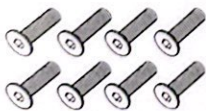
521085 Flat head hex screw M3x10



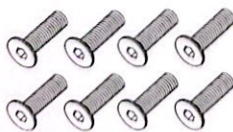
521080 Flat head hex screw M3x12



336106 Flat head hex screw M4x10



336191 Flat head hex screw M4x16



583107 Round headed screw M3x28

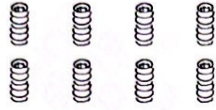




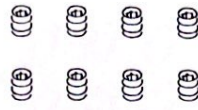
584001 Set screw M3x3



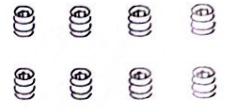
505059 Set screw M3x10



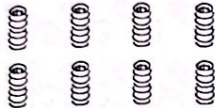
584002 Set screw M4x4



584005 Set screw M5x5



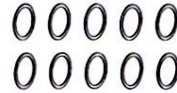
336195 Set screw M5x12



33640 Shim  $\phi 6.1 \times \phi 14 \times 1.5$



336196 Shim  $\phi 8 \times \phi 13 \times 0.2$







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