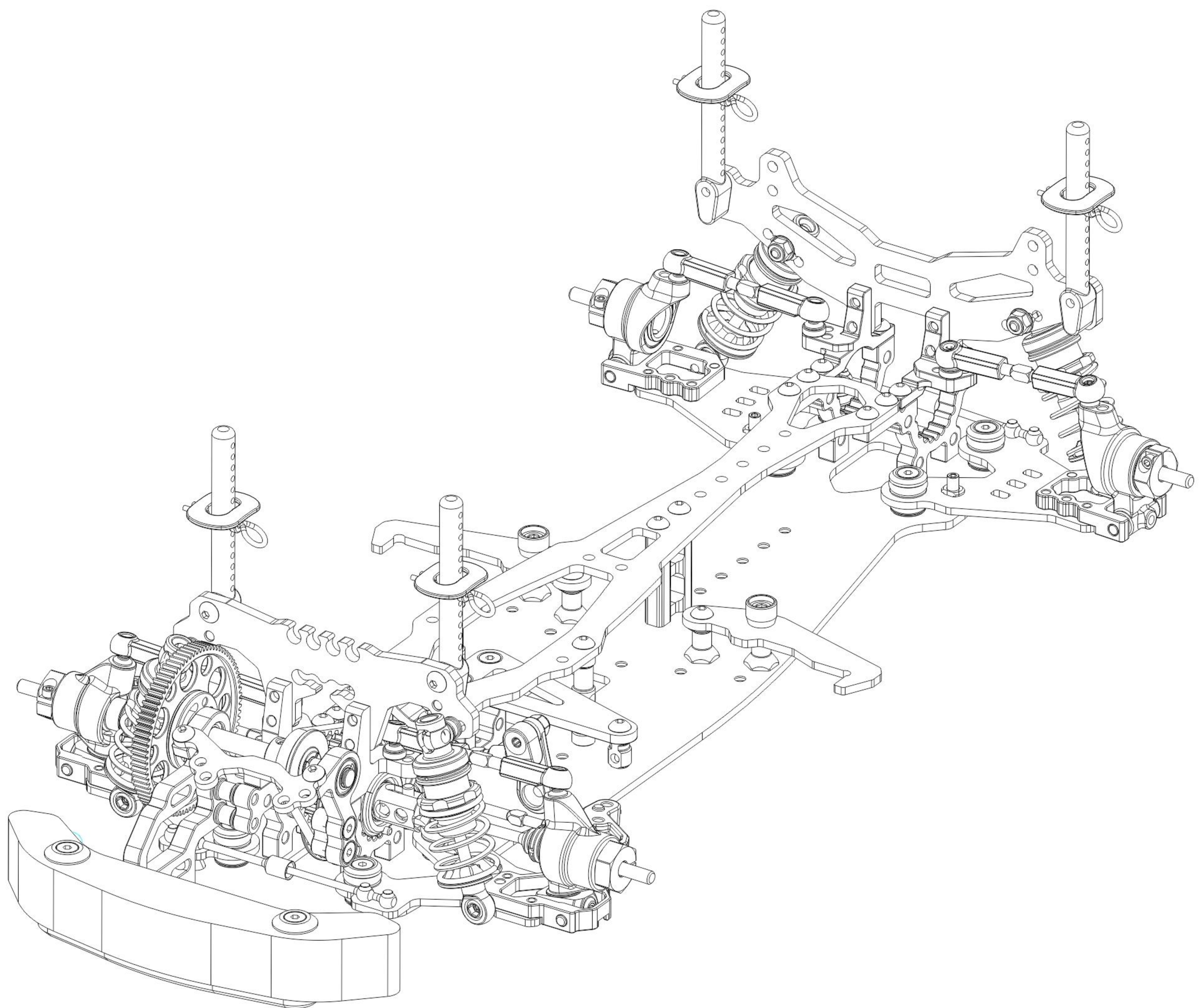




1/10 Electric FFV3 Pro Car Kit

Instruction Manual

2018



Powered By:

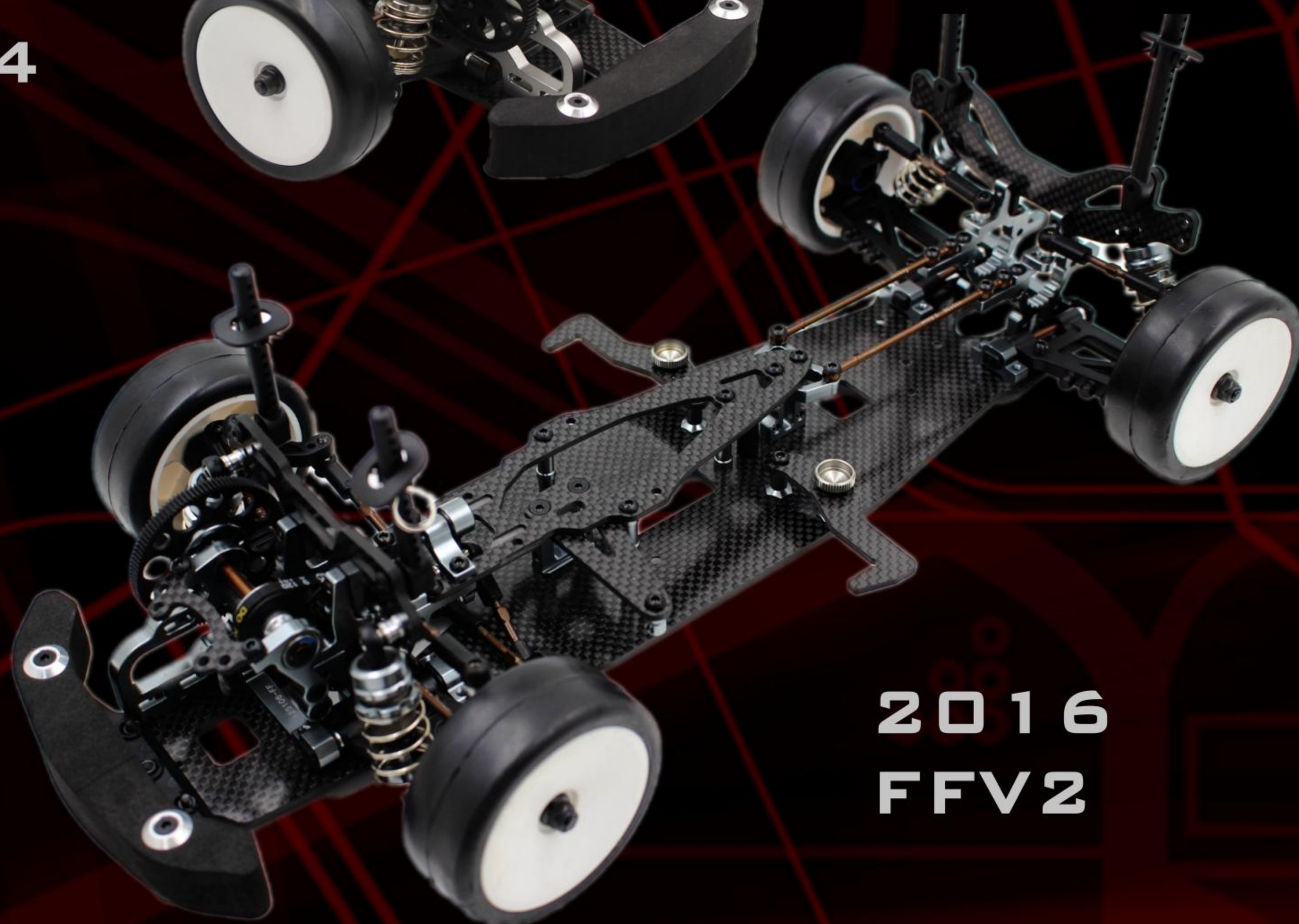


NUMBER: 1300003

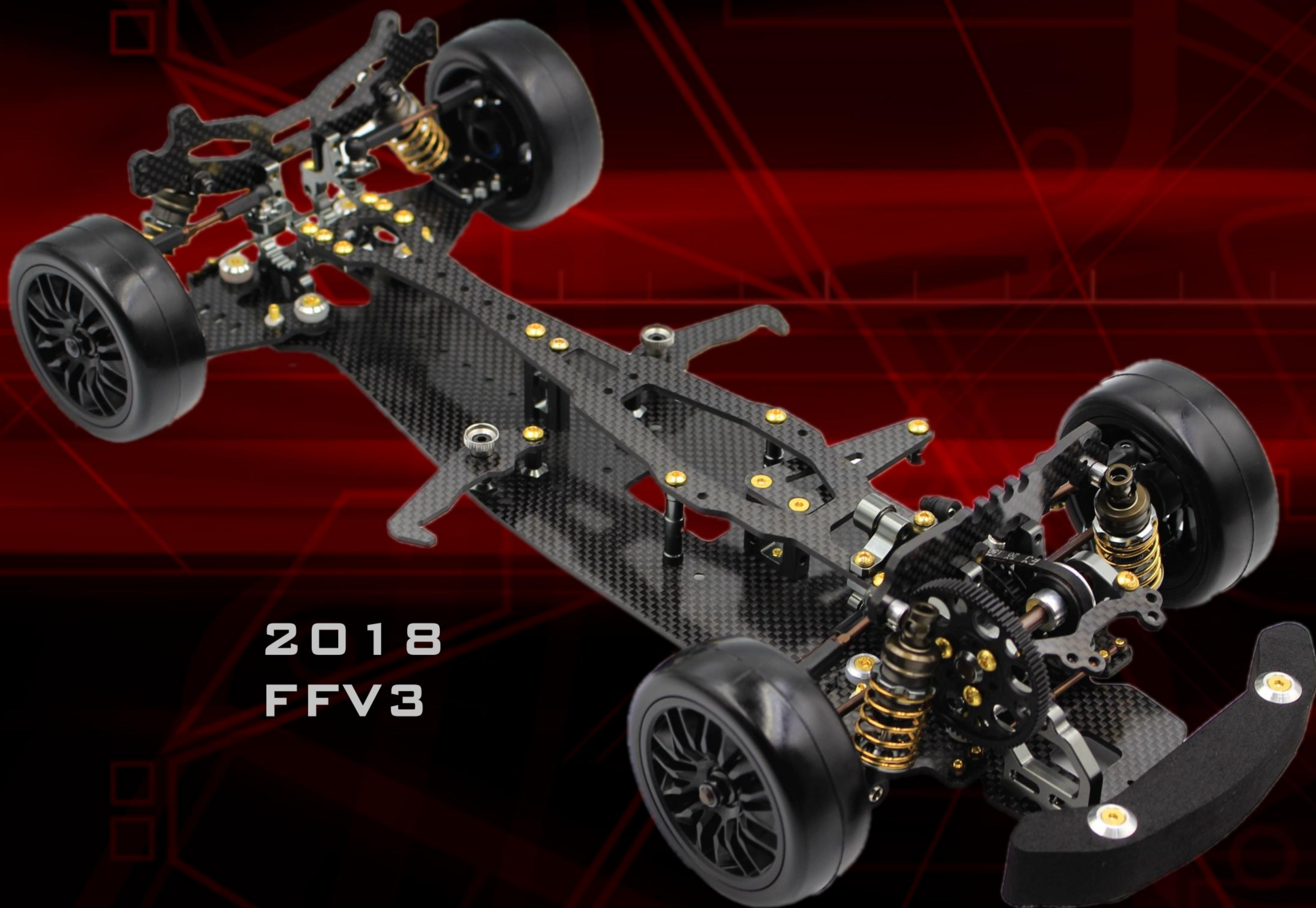




**2014
FF**



**2016
FFV2**



**2018
FFV3**

Introduction:

FFV3 Pro is a professional 1:10th front wheel drive car and should be built by aged 14 years or over or that they had experience building and operating R/C model cars before. This is not a toy intended for use by beginners or by children without any supervision of a knowledgeable adult. Please read the instruction manual carefully before building.

Race opt should not be liable for any loss, injury or damages, whether direct, indirect, special, incidental, consequential, arising from the use, misuse, abuse of this product or accessories required to operate this product.

Warnings:

- ⦿ This product is not intended for those ages under 14 year without any adult supervision.
- ⦿ Assemble this kit only in places away from the reach of children.
- ⦿ Exercise car when using tools and sharp instrument and take care some parts that may have sharp edges when building.
- ⦿ Please do not touch any electronic equipment on the model such as motor and speed controller that having higher temperatures after the operation. Otherwise, it may burn yourself seriously by touching them. Better to allow 10~15 minutes to let any electronic equipment cool down.
- ⦿ Please complete a successful pre-run check of your radio equipment and model before the run. Make sure to keep the wheels of the model off the ground when checking the operation of the radio equipment.
- ⦿ When on the model, please always turn on the transmitter before turn on the receiver in the car. When off the model, please always turn off the receiver before turn off the transmitter. Otherwise, the model may become uncontrollable and cause serious damage.
- ⦿ Disconnect the battery pack before storing your model.
- ⦿ Do not get overcharge for the battery or leave battery unattended while charging. Never let children charge the battery without adult supervision.
- ⦿ Do not operate it on public places, roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
- ⦿ Do not use your model as shown below:

In places where children and people gather	In rain, wind snow or darkness condition
In areas where loud noises can disturb others	At anytime your line of sight to the model may be obstructed or impaired in any way

Electrical Precautions:

- ⦿ Please do not allow any metal part to short circuit the battery or any electronic part using inside the car kit.
- ⦿ Never put batteries into fire.
- ⦿ Use the recommended charger for the transmitter battery and battery for electronic speed control. Please follow the charging instructions carefully. Please do not over charge the battery or choose the wrong charging mode. It becomes dangerous that causes the explosion and lead to the fire. If battery becomes extremely hot during the charging, please seek the advice from or get replacement from the corresponding battery supplier.
- ⦿ Please unplug charger when not in use.
- ⦿ When not using RC model, please always disconnect and remove the battery.
- ⦿ Low battery may result in loss of control. Please stop running the car at once when you find its speed start to slow down.
- ⦿ After use the battery, the battery remains heat and please recharges it after the battery is cool down.
- ⦿ Never use damaged wires that are dangerous and cause short circuits and may lead to the fire.

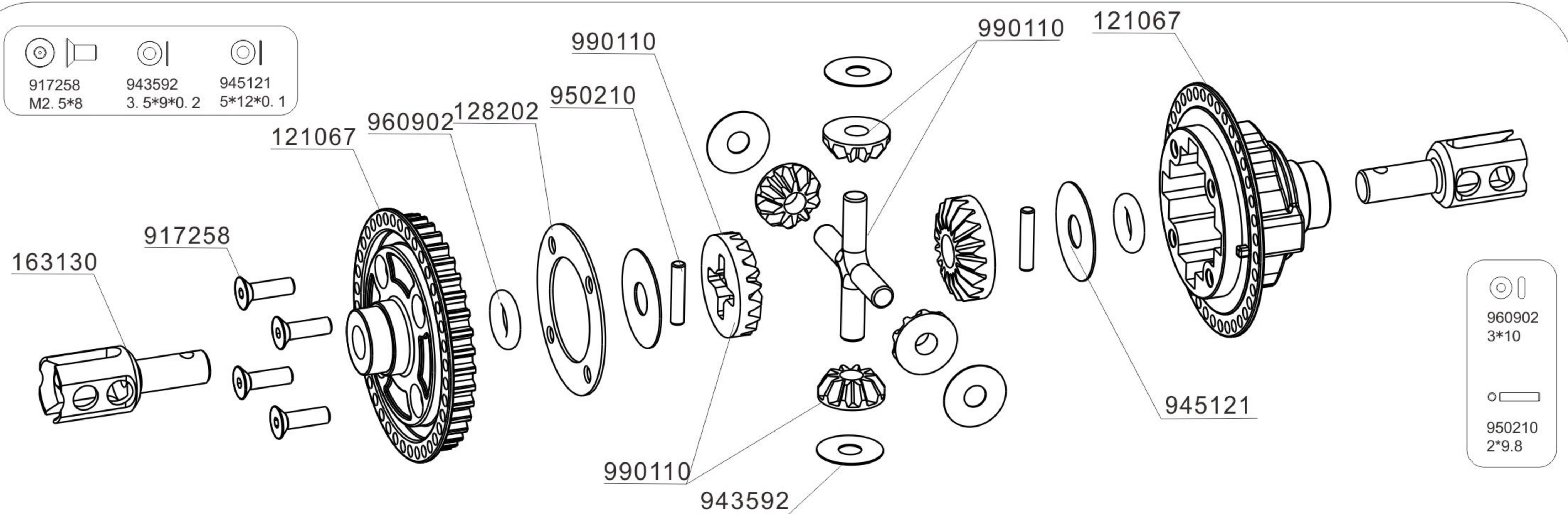
Other Equipment Needed (not included):

Radio transmitter & receiver	Battery for transmitter
Electronic speed control	Steering Servo
540 Type brushes or brushless motor	Pinion Gear (48pitch/64pitch)
190mm body shell	7.4V Nimh or Lipo Battery
Touring Car Tire set	Battery charger

Tools Needed (not included):

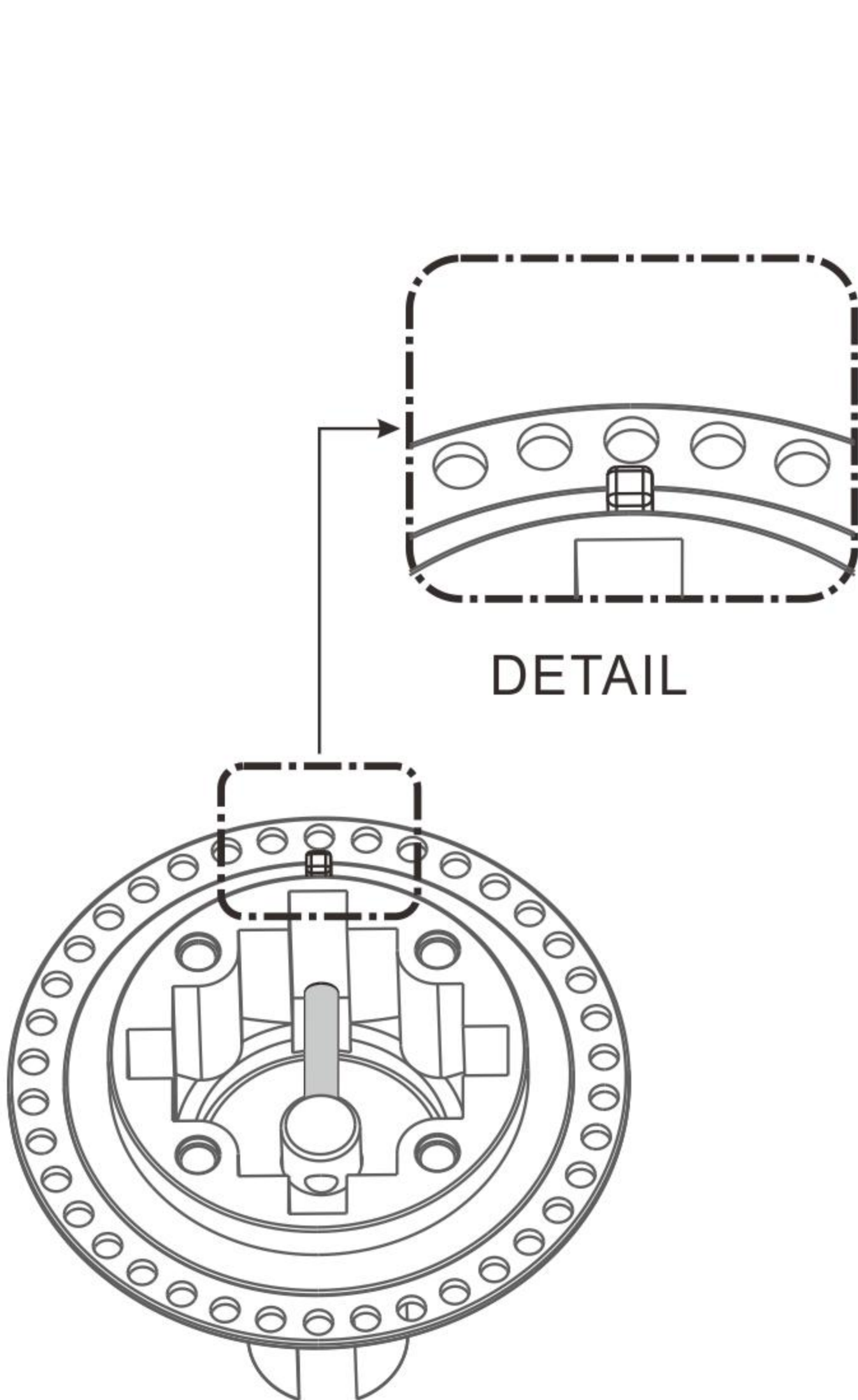
1.5mm, 2.0mm, 2.5mm allen wrench	5.0mm, 5.5mm, 7.0mm hex socket wrench
Modelers craft knife	Turnbuckle wrench
Calipers/Ruler	Camber gauge
Instant glue/Thread lock glue	Shock and Diff Oil
Thrust, Diff and Joint grease	Paint for body shell

Notes: All replacement parts can be found from www.race-opt.com or www.sn-rc.com.
and can be purchased from local hobby shop. If any further information needed, please email to enquiry@rc-explorer.com or s.n.model@163.com.



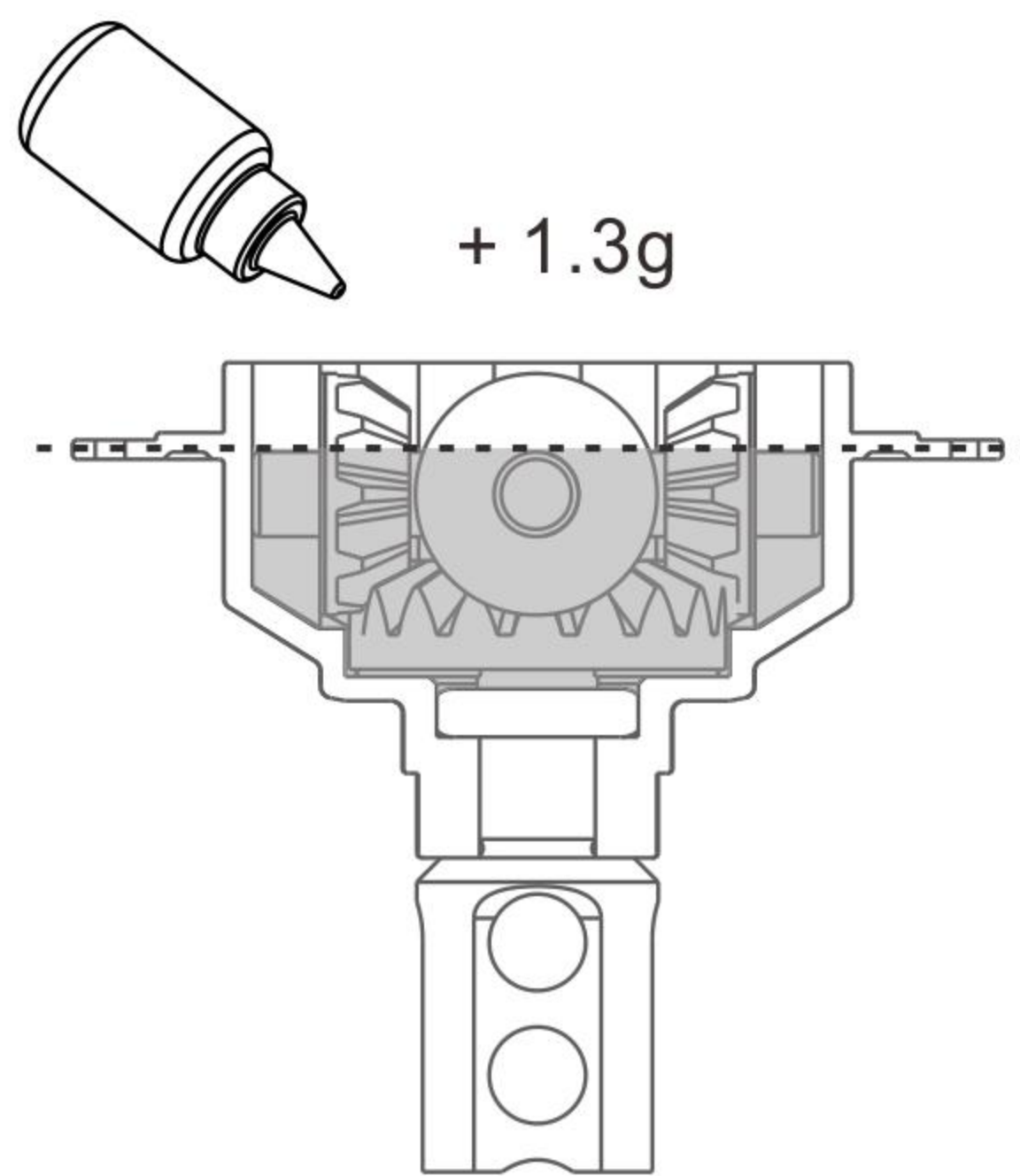
943592 WASHER S 3.5x9x0.2
 945121 WASHER S 5x12x0.1
 163130 UNIVERSAL CVD DRIVE SHAFT-SPRING STEEL 3.1 S2

990110 PLANETARY GEAR SET-PLASTIC
 121067 COMPOSITE GEAR DIFF. CASE & COVER
 128202 DIFF GASKET

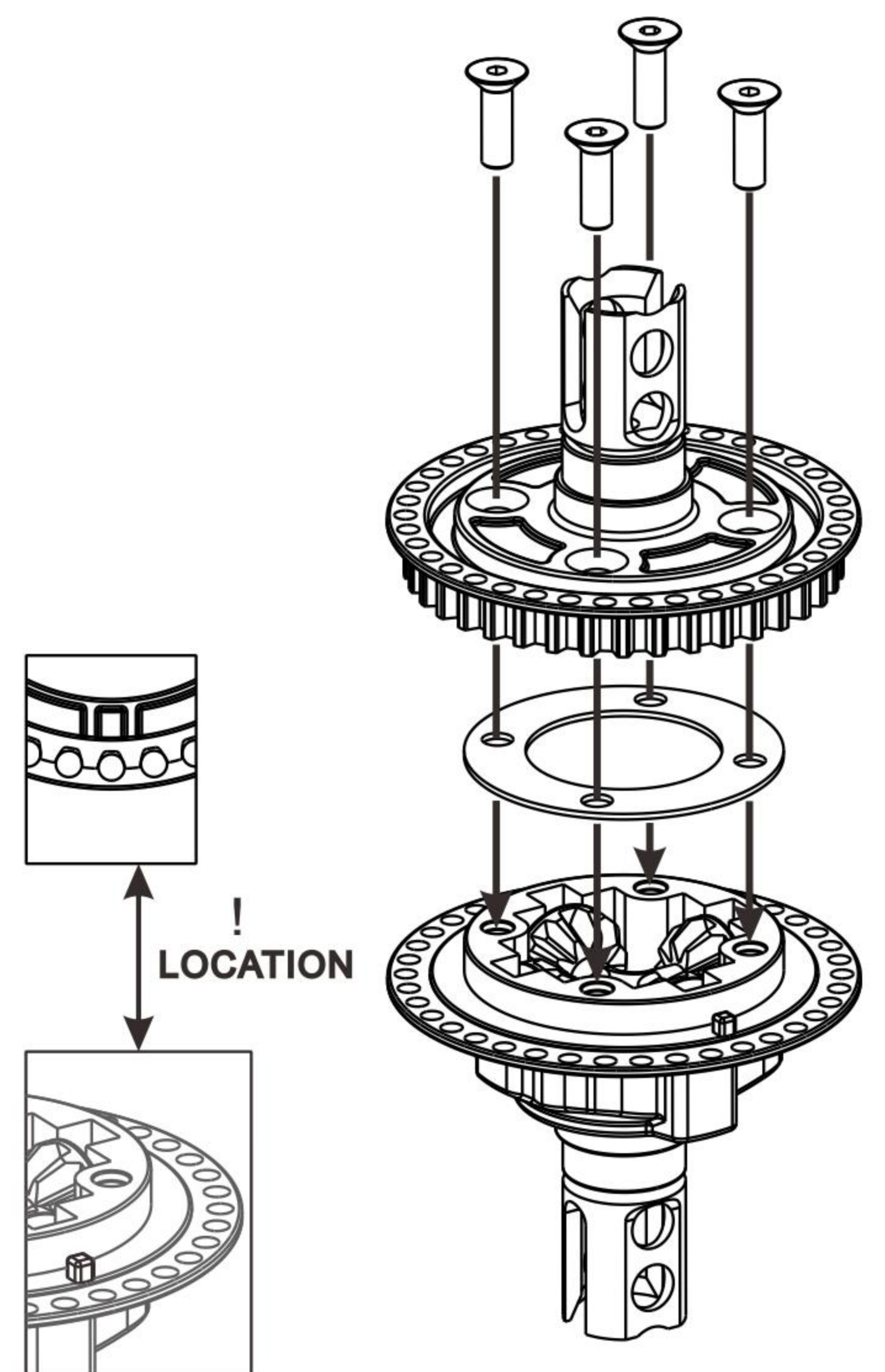


Low-Traction
 500 cst

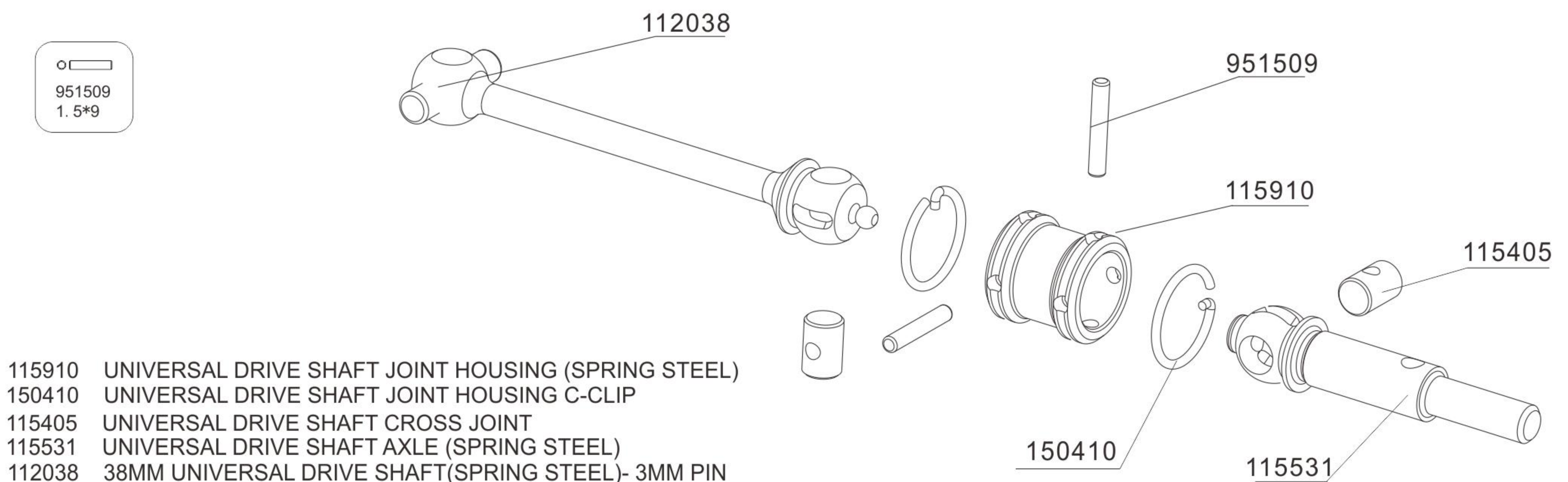
High-Traction
 1000 cst



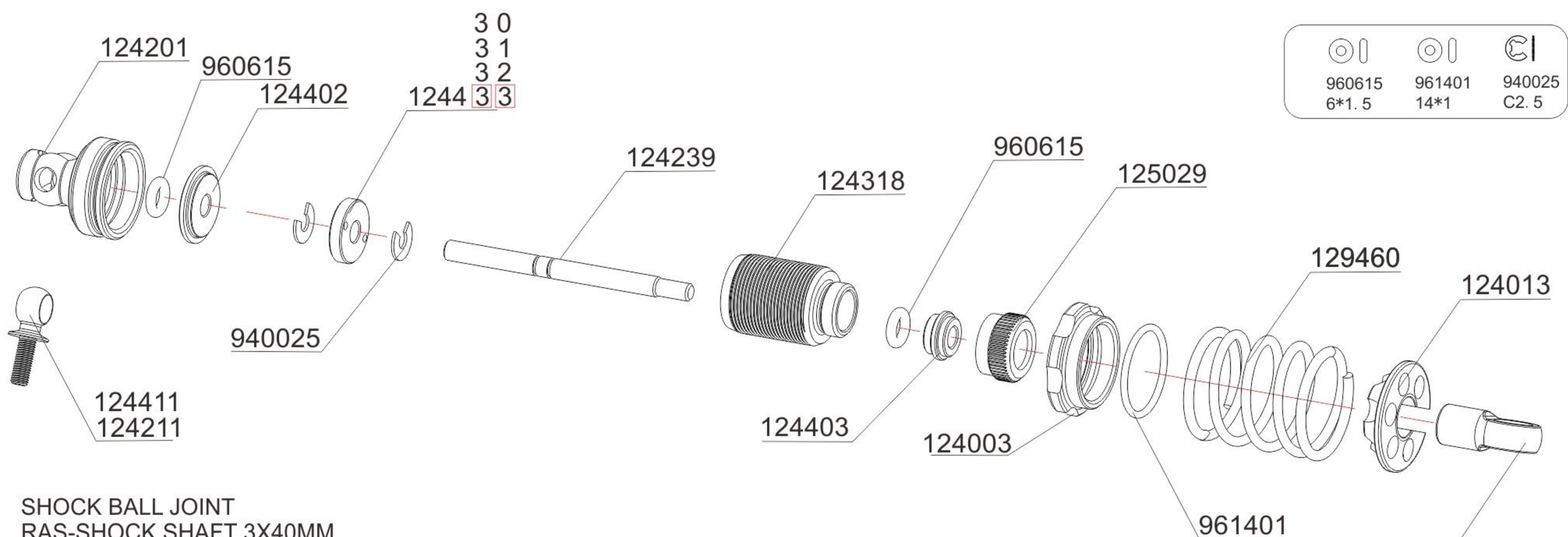
Add 1.3g of oil the diff.



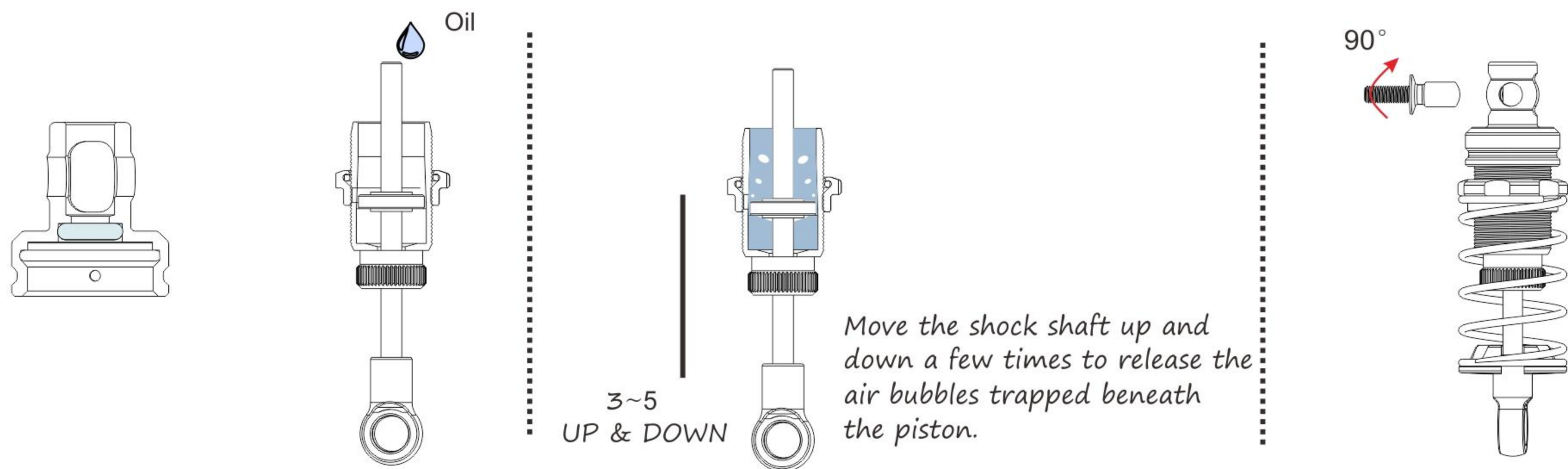
951509
 1.5*9



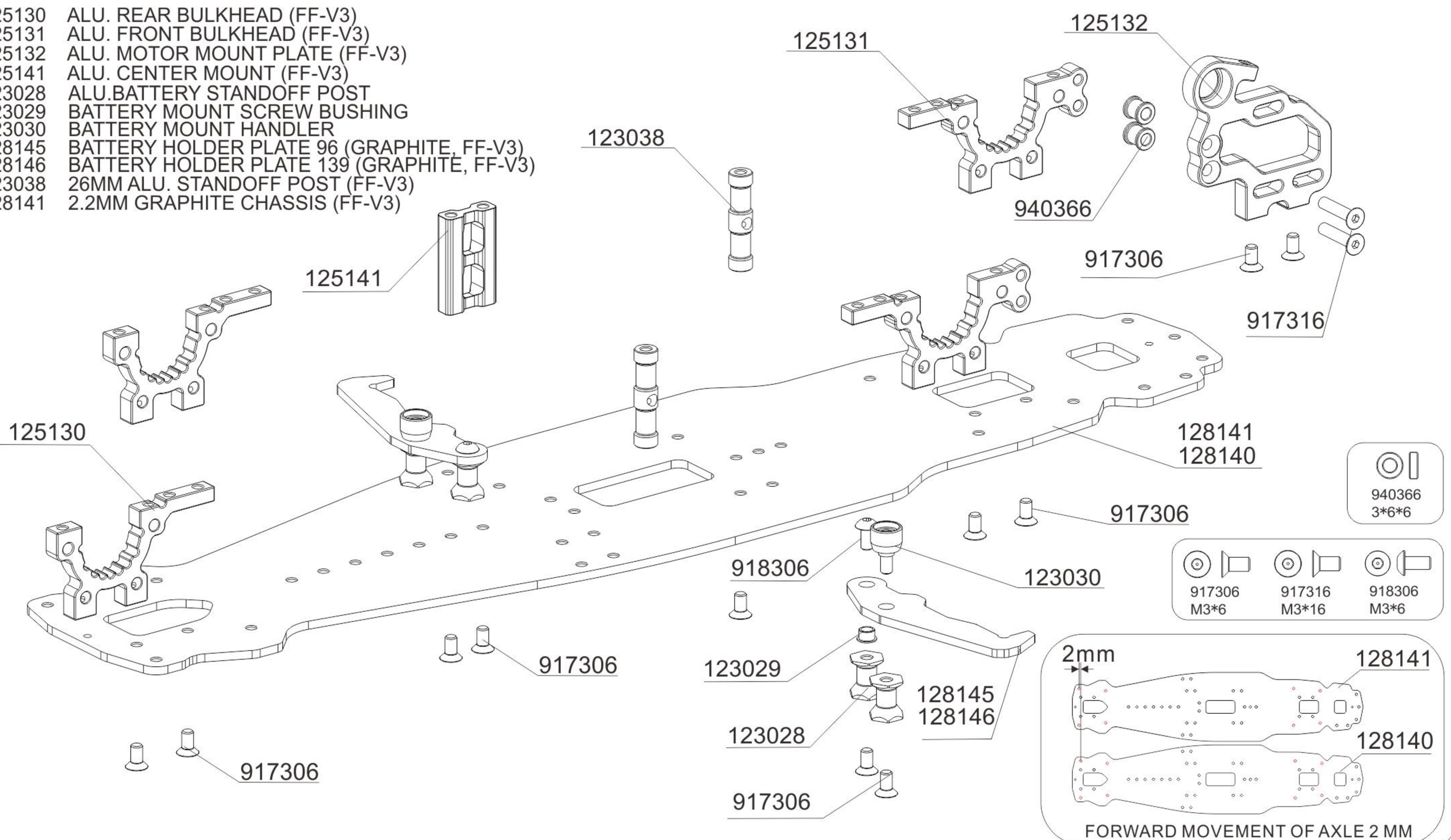
115910 UNIVERSAL DRIVE SHAFT JOINT HOUSING (SPRING STEEL)
 150410 UNIVERSAL DRIVE SHAFT JOINT HOUSING C-CLIP
 115405 UNIVERSAL DRIVE SHAFT CROSS JOINT
 115531 UNIVERSAL DRIVE SHAFT AXLE (SPRING STEEL)
 112038 38MM UNIVERSAL DRIVE SHAFT(SPRING STEEL)- 3MM PIN

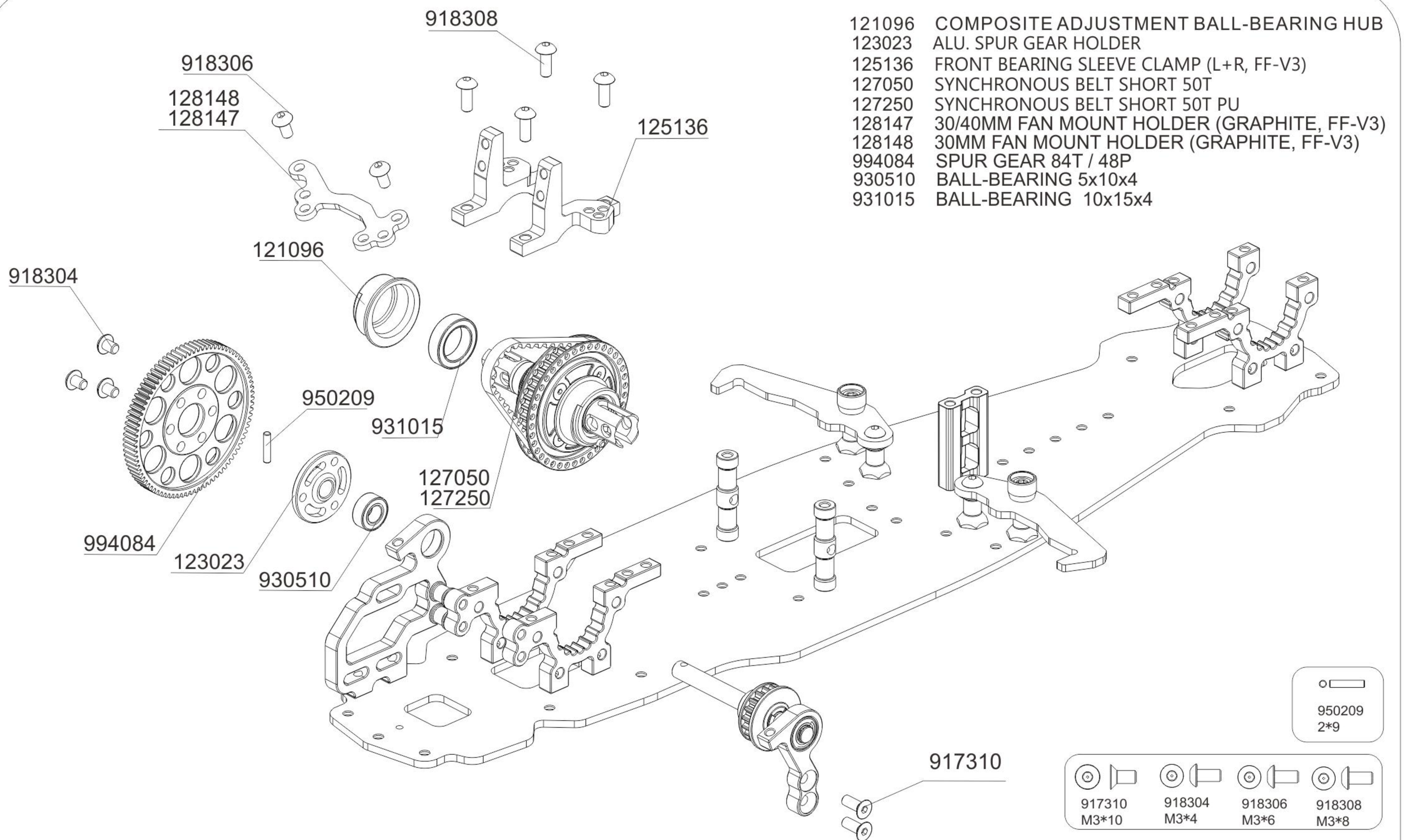


- | | | | |
|--------|---------------------------------|--------|---------------------------------------|
| 121058 | SHOCK BALL JOINT | 124411 | RAS-SHOCK CAP BALL END 5.9*12MM |
| 124239 | RAS-SHOCK SHAFT 3X40MM | 124013 | ALU SHOCK SPRING RETAINING COLLAR |
| 124402 | RAS-SHOCK TOP COVER | 125029 | ALU SHOCK BOTTOM CAP |
| 124201 | RAS- SHOCK CAP | 124403 | RAS-SHOCK BOTTOM COVER |
| 124003 | SUSPENSION SPRING RETAINER-12MM | 129460 | 1.4*21*6.0 SUSPENSION SPRING YE 2.5KG |
| 124318 | RAS SHOCK BODY(12*18MM) | | |
| 124433 | COMPOSITE PISTONS 3-HOLE | | |
| 124211 | RAS-SHOCK CAP BALL END 5.9*7MM | | |



- | | |
|--------|--|
| 125130 | ALU. REAR BULKHEAD (FF-V3) |
| 125131 | ALU. FRONT BULKHEAD (FF-V3) |
| 125132 | ALU. MOTOR MOUNT PLATE (FF-V3) |
| 125141 | ALU. CENTER MOUNT (FF-V3) |
| 123028 | ALU.BATTERY STANDOFF POST |
| 123029 | BATTERY MOUNT SCREW BUSHING |
| 123030 | BATTERY MOUNT HANDLER |
| 128145 | BATTERY HOLDER PLATE 96 (GRAPHITE, FF-V3) |
| 128146 | BATTERY HOLDER PLATE 139 (GRAPHITE, FF-V3) |
| 123038 | 26MM ALU. STANDOFF POST (FF-V3) |
| 128141 | 2.2MM GRAPHITE CHASSIS (FF-V3) |

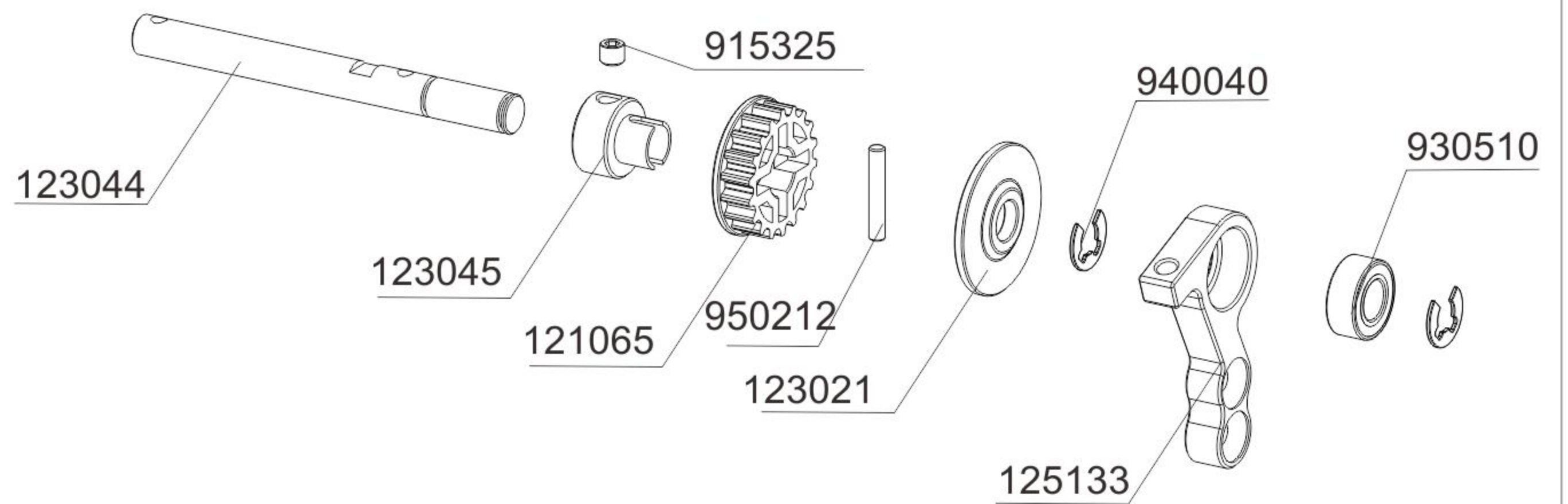




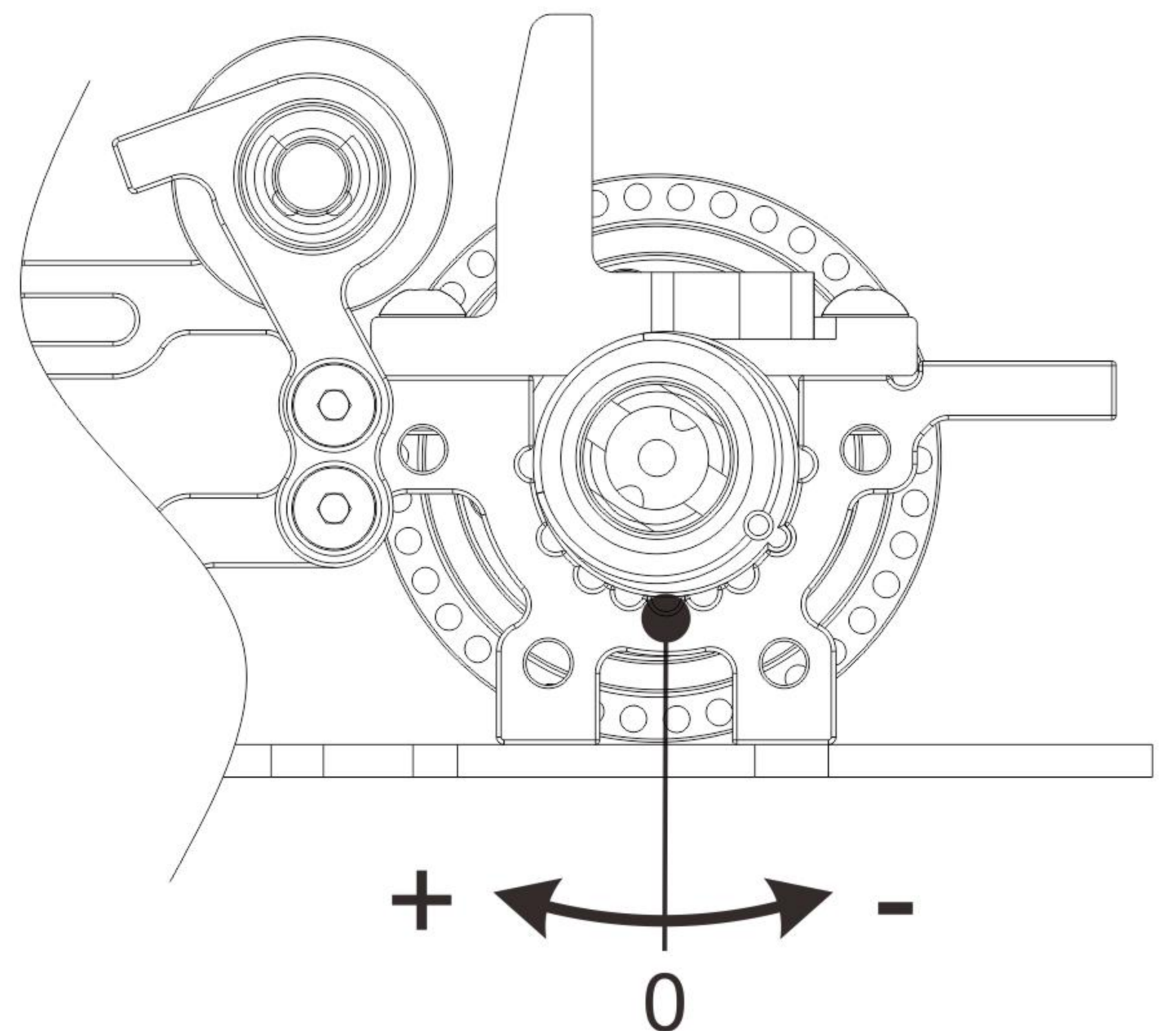
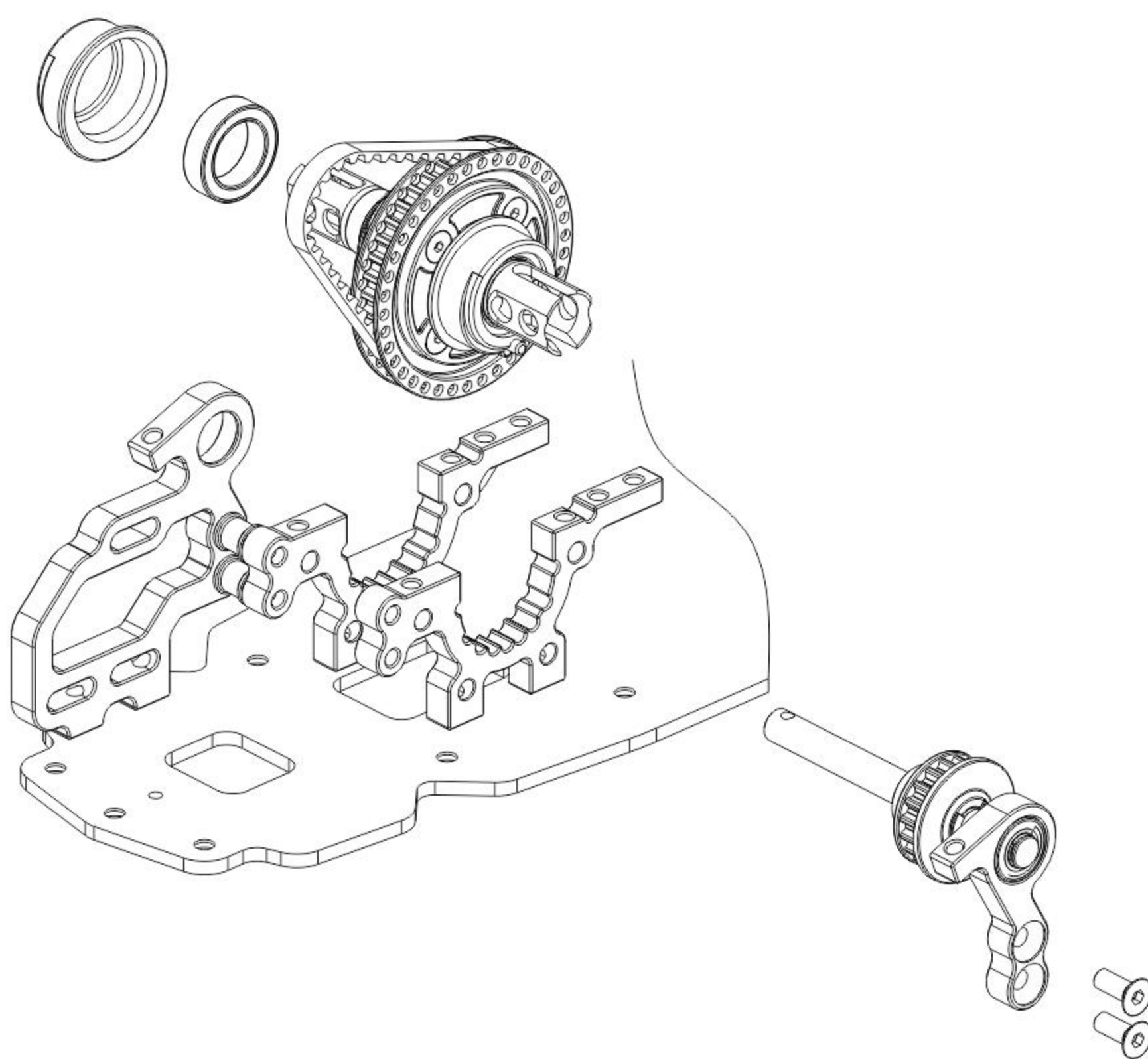
1



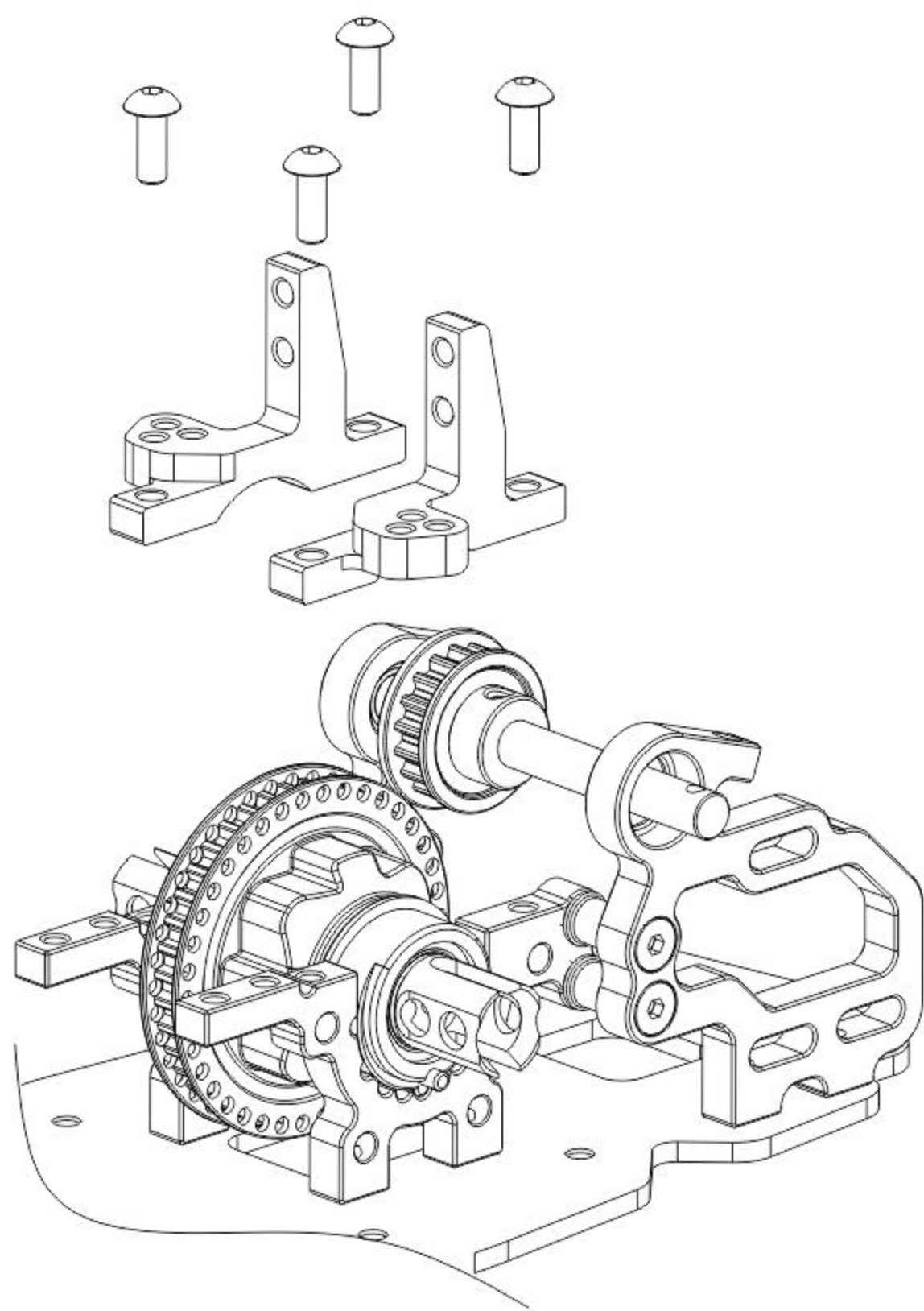
- 125133 ALU. SPUR GEAR SHAFT MOUNT (FF-V3)
 123021 PULLEY HOLDER COLLAR
 123044 53MM ALU. FRONT PULLEY SHAFT (FF-V3)
 123045 FRONT PULLEY HOLDER BUSHING (FF-V3)
 121065 FIXED PULLEY 20T



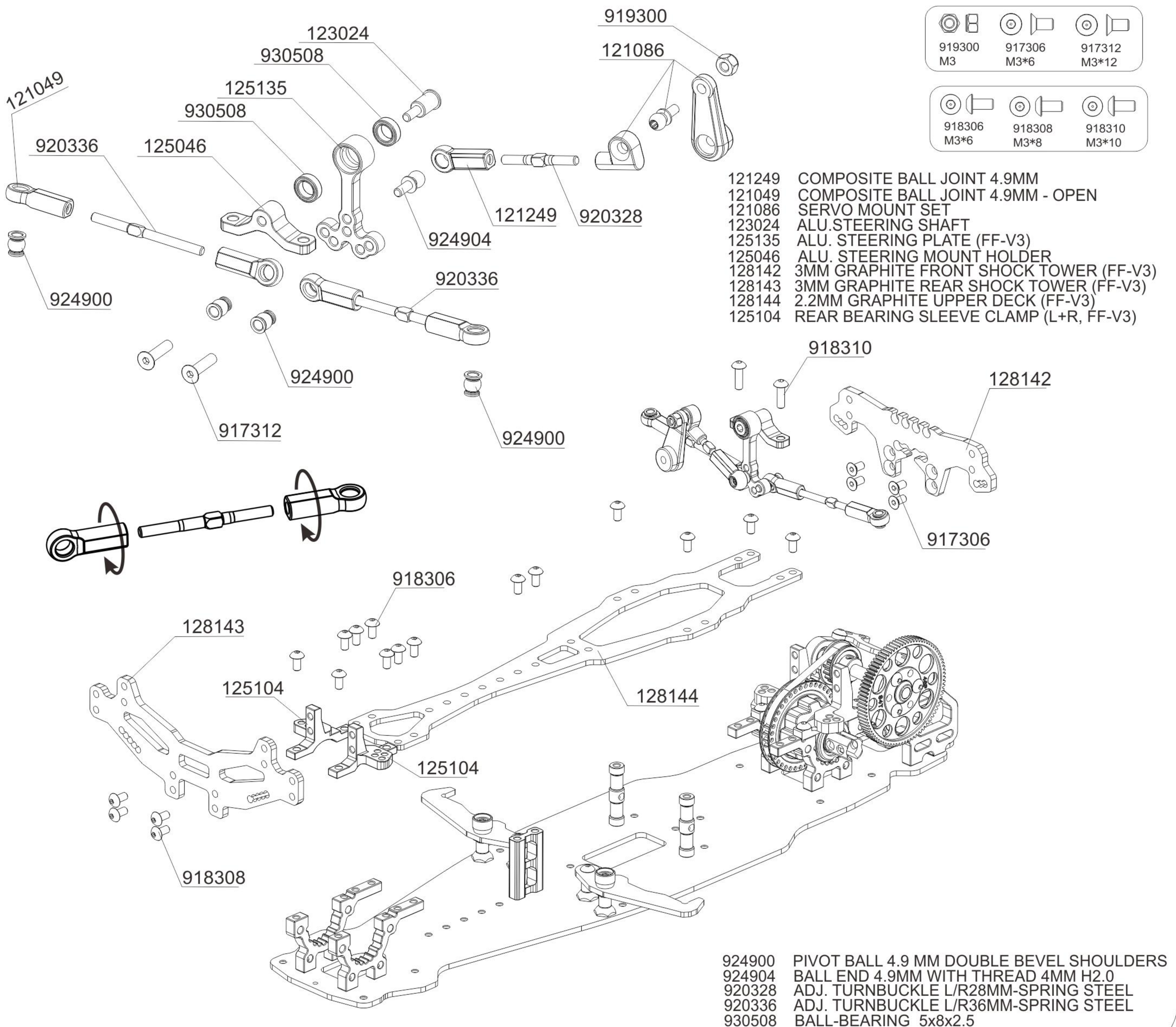
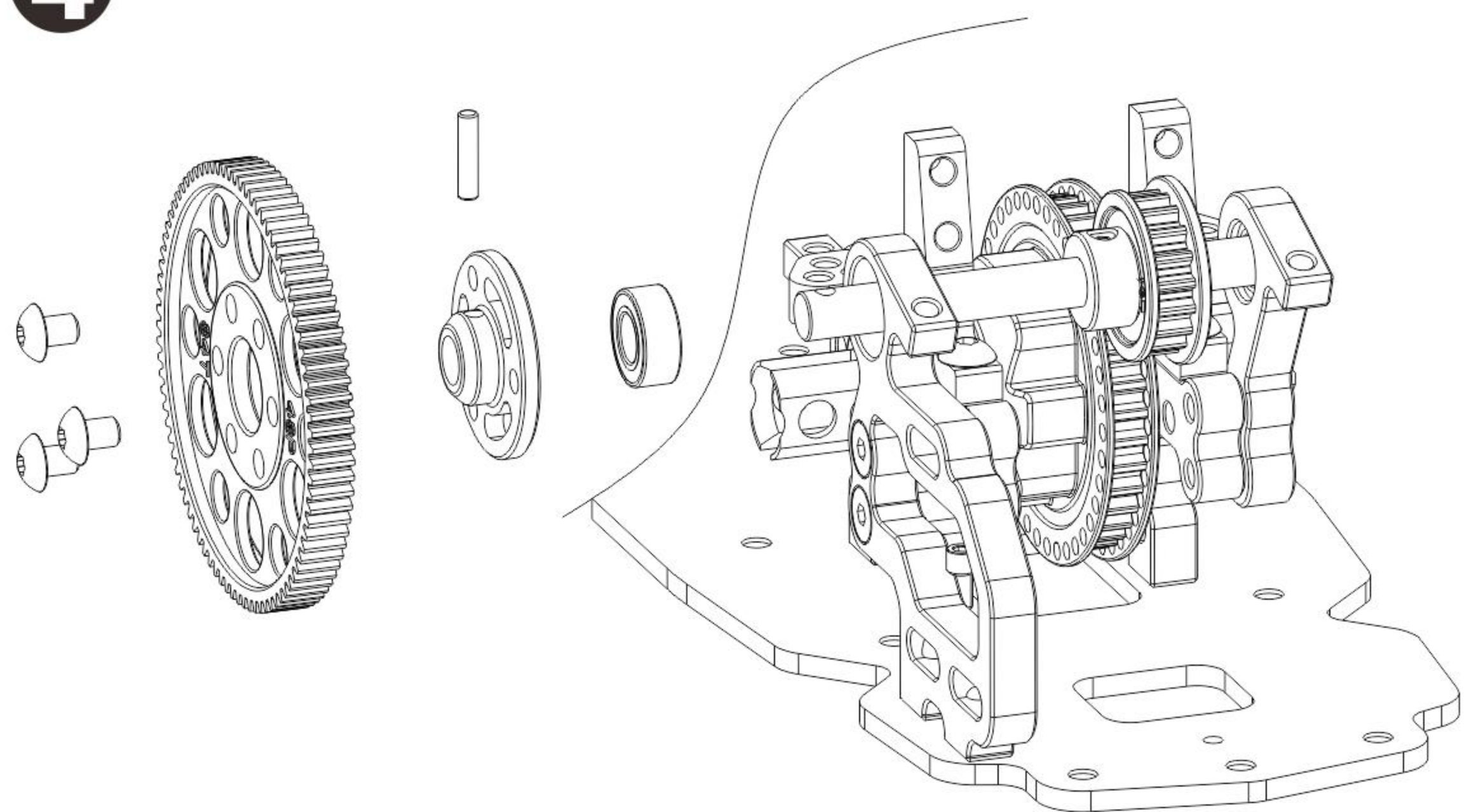
2



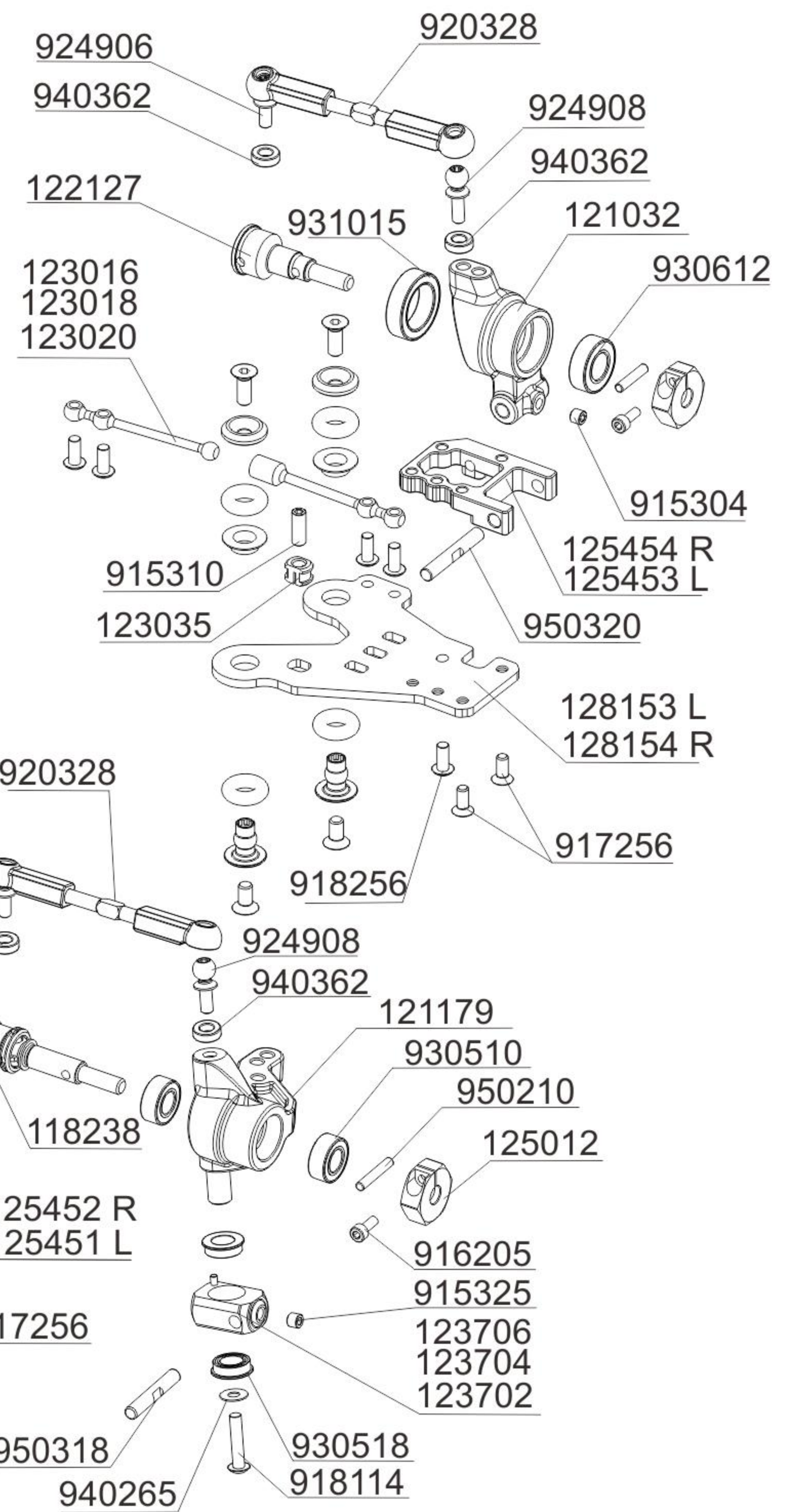
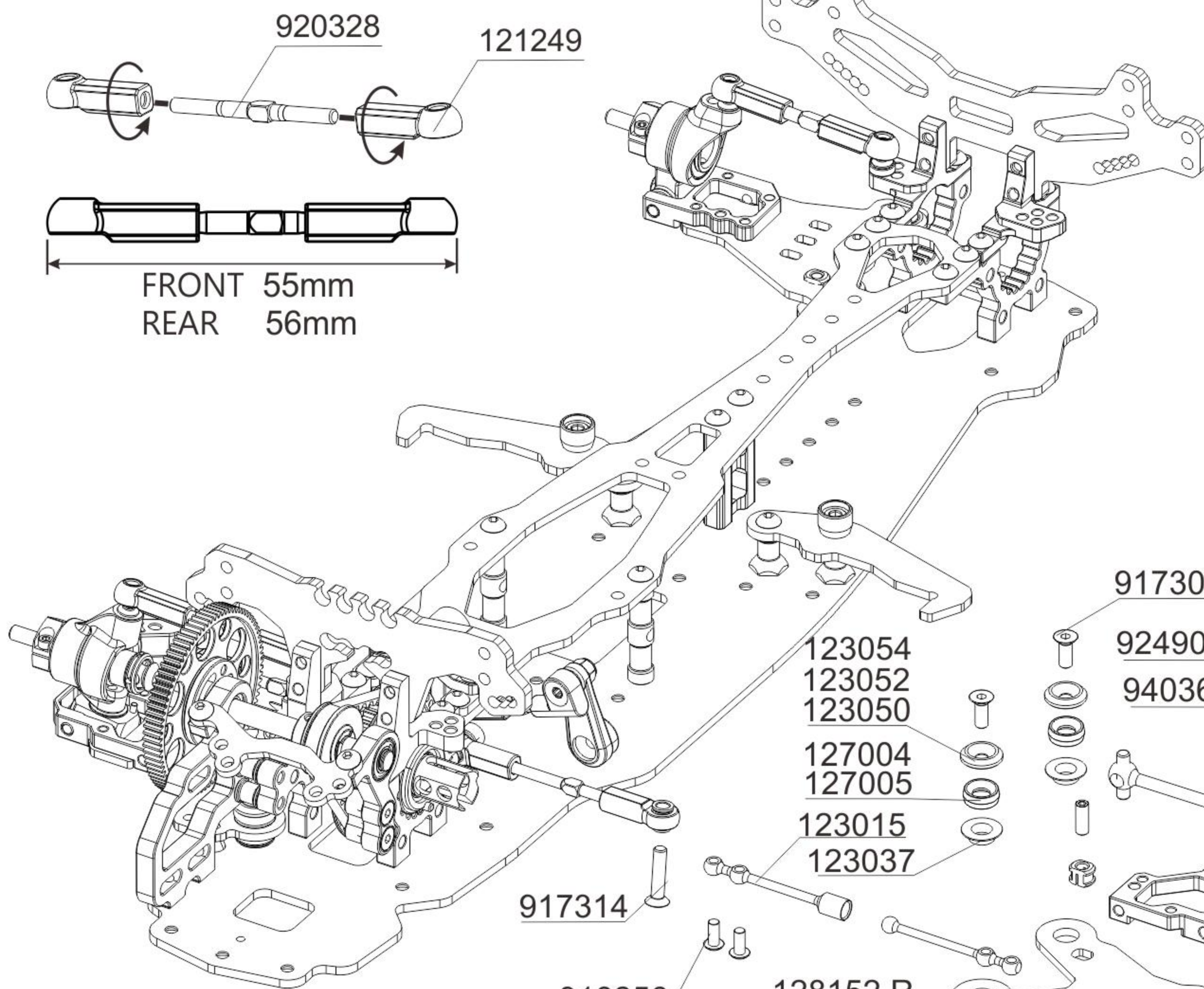
3



4



917256	917306	917314	918256	918114	918306	915325	915304
M2. 5*6	M3*6	M3*14	M2. 5*6	M2. 5*14	M3*6	M3*2. 5	M3*4

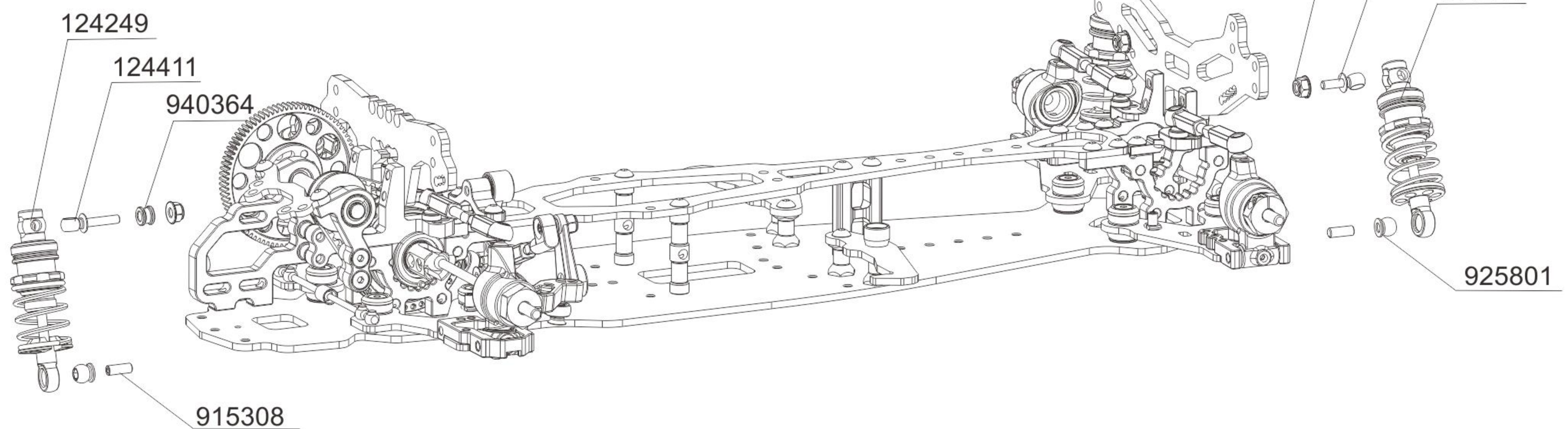


- 122127 CVD AXLE SHAFT-STRAIGHT
- 121032 COMPOSITE UPRIGHT REAR
- 123016 1.6 ANTI ROLL BAR SHAFT
- 123018 1.8 ANTI ROLL BAR SHAFT
- 123020 2.0 ANTI ROLL BAR SHAFT
- 123035 ARM DROOP SCREW BUSHING
- 128151 2.2MM GRAPHITE FRONT ARM (L)
- 128152 2.2MM GRAPHITE FRONT ARM (R)
- 128153 2.2MM GRAPHITE REAR ARM (L)
- 128154 2.2MM GRAPHITE REAR ARM (R)
- 125012 OPTION ALU WHEEL HUB
- 123702 STEERING BLOCK HOLDER (2DEG)
- 123704 STEERING BLOCK HOLDER (4DEG)
- 123706 STEERING BLOCK HOLDER (6DEG)
- 125451 ALU. FRONT ARM JOINT HOLDER (L)
- 125452 ALU. FRONT ARM JOINT HOLDER (R)
- 125453 ALU. REAR ARM JOINT HOLDER (L)
- 125454 ALU. REAR ARM JOINT HOLDER (R)
- 123015 ANTI ROLL BAR SHAFT HOLDER
- 123037 SUSPENSION ARM BUSHING (4.9X6)
- 123050 SUSPENSION ARM TIGHTEN COLLAR (0)
- 123052 SUSPENSION ARM TIGHTEN COLLAR (0.2)
- 121179 COMPOSITE STEERING BLOCK WITH BEARING HOLDER
- 123036 SUSPENSION ARM HOLDER WITH BALL END 4.9MM
- 118238 38MM UNIVERSAL DRIVE SHAFT COMPLETE SET (SPRING STEEL)- 3MM PIN
- 127004 SUSPENSION ARM SILICON O-RING (8X7.5X3)
- 127005 SUSPENSION ARM SILICON O-RING (9X8X3)

916205	960925	961003	950210	940362	940265
M2*5	9*2.5	10*3	2*9. 8	3*6*2	2. 6*6*0. 5

- 930510 BALL-BEARING 5x10x4
- 930612 BALL-BEARING 6x12x4
- 931015 BALL-BEARING 10x15x4
- 930518 BALL-BEARING FLANGED 5x8x2.5
- 121249 COMPOSITE BALL JOINT 4.9MM
- 123054 SUSPENSION ARM TIGHTEN COLLAR (4)
- 950318 FRONT PIVOT PIN (3*18)
- 950320 REAR UPRIGHT PIVOT PIN (3*20)
- 924906 BALL END 4.9MM WITH THREAD 6MM H2.0
- 924908 BALL END 4.9MM WITH THREAD 8MM H2.0
- 920328 ADJ. TURNBUCKLE L/R28MM-SPRING STEEL

919301	940364	915308
M3 F	3*6*4	M3*8



- 124211 RAS-SHOCK CAP BALL END 5.9*7MM
- 124411 RAS-SHOCK CAP BALL END 5.9*12MM

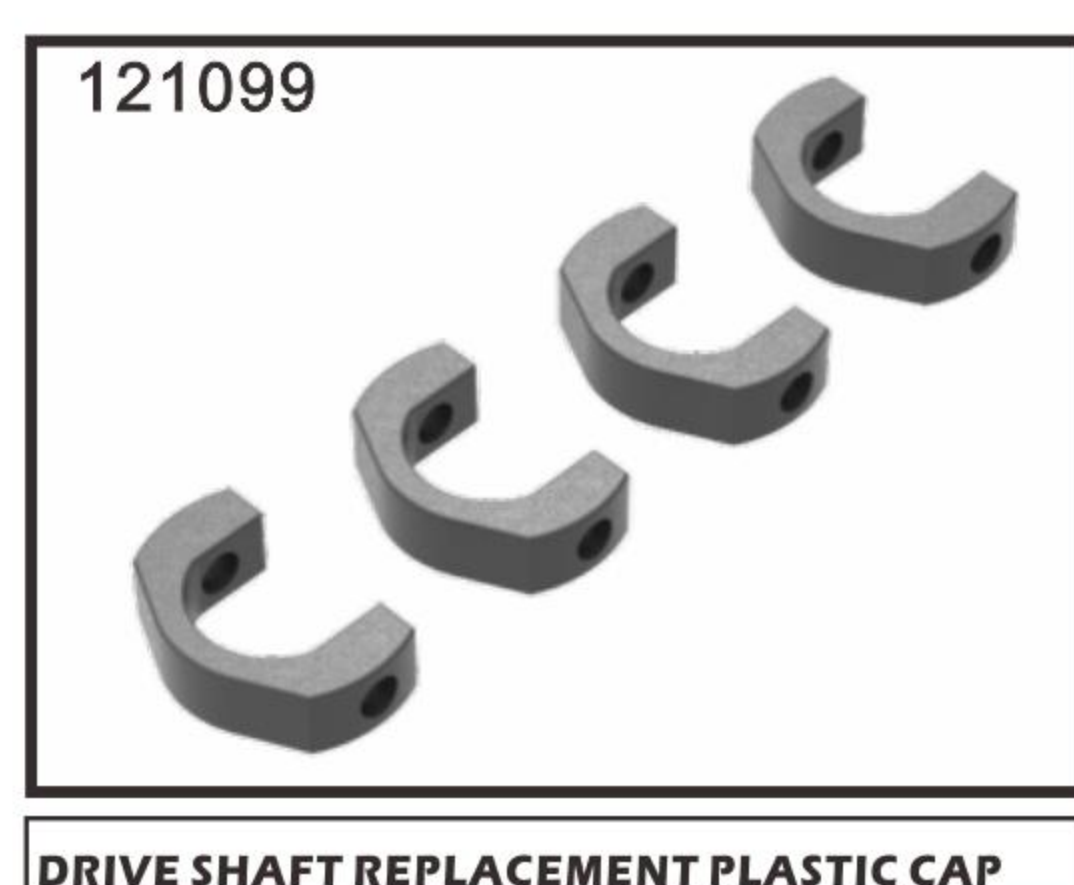
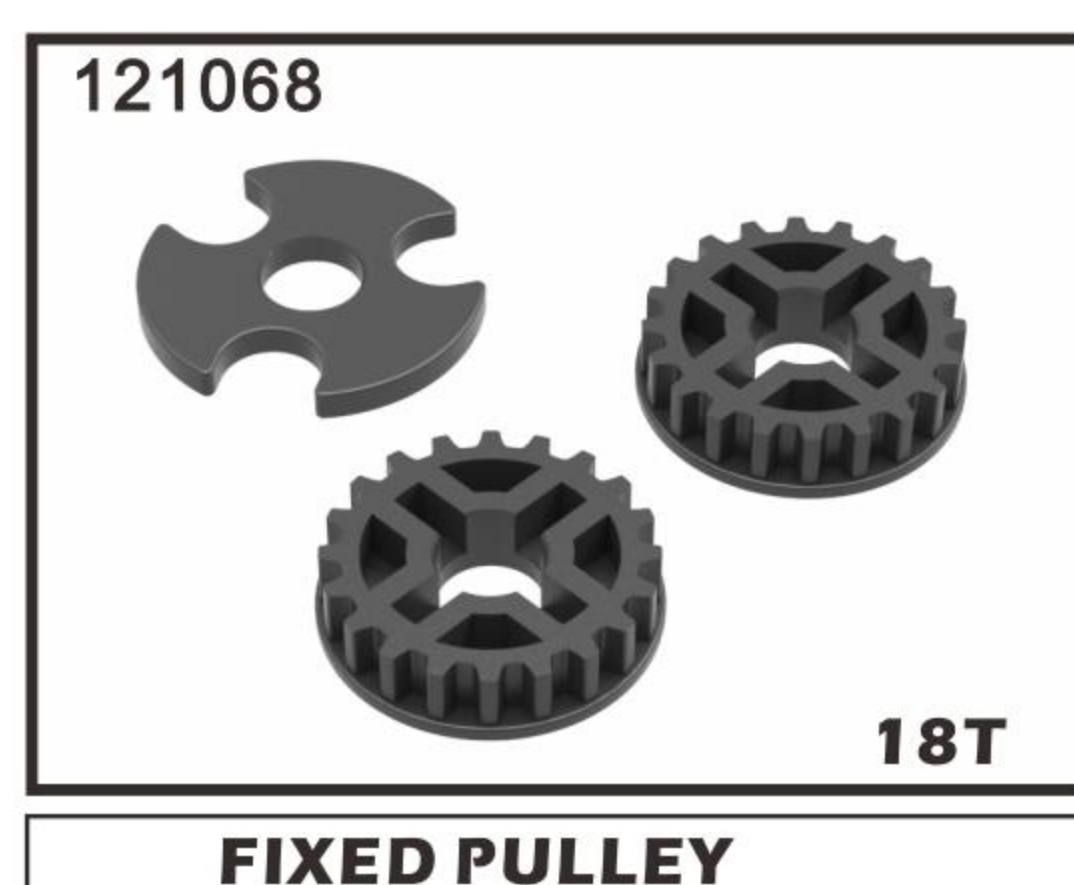
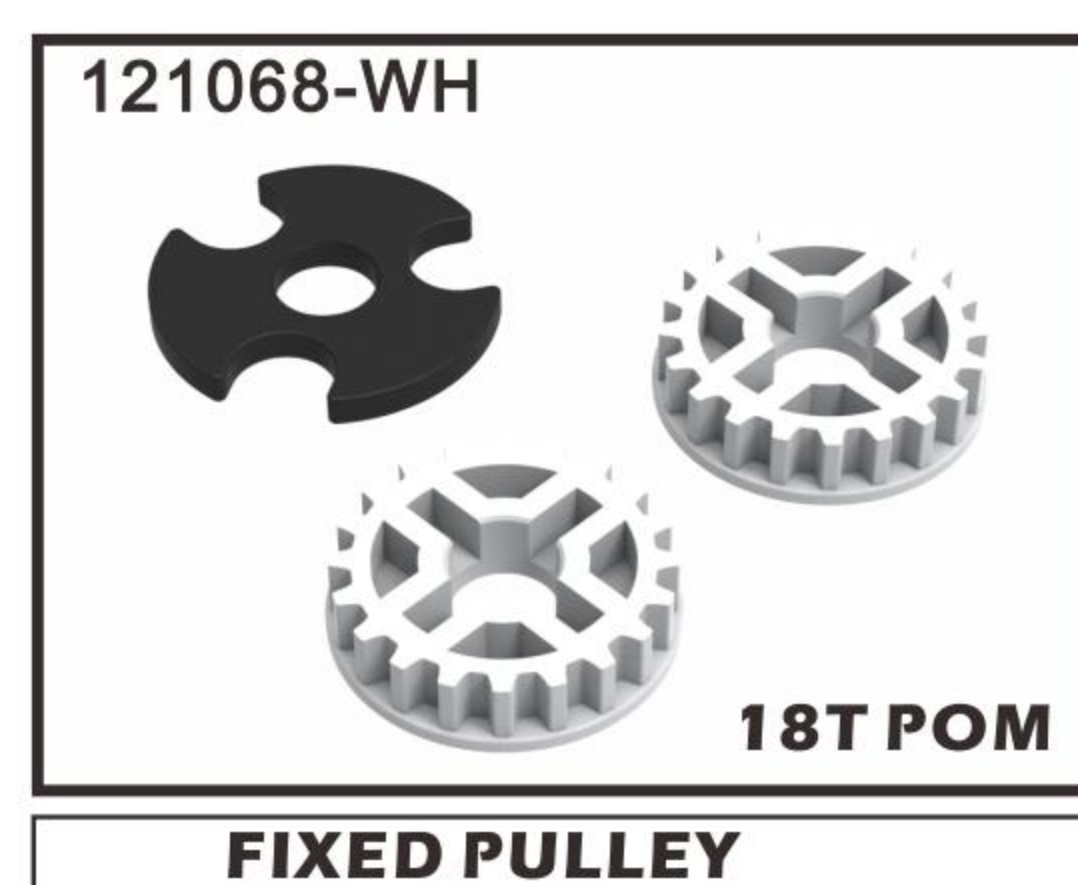
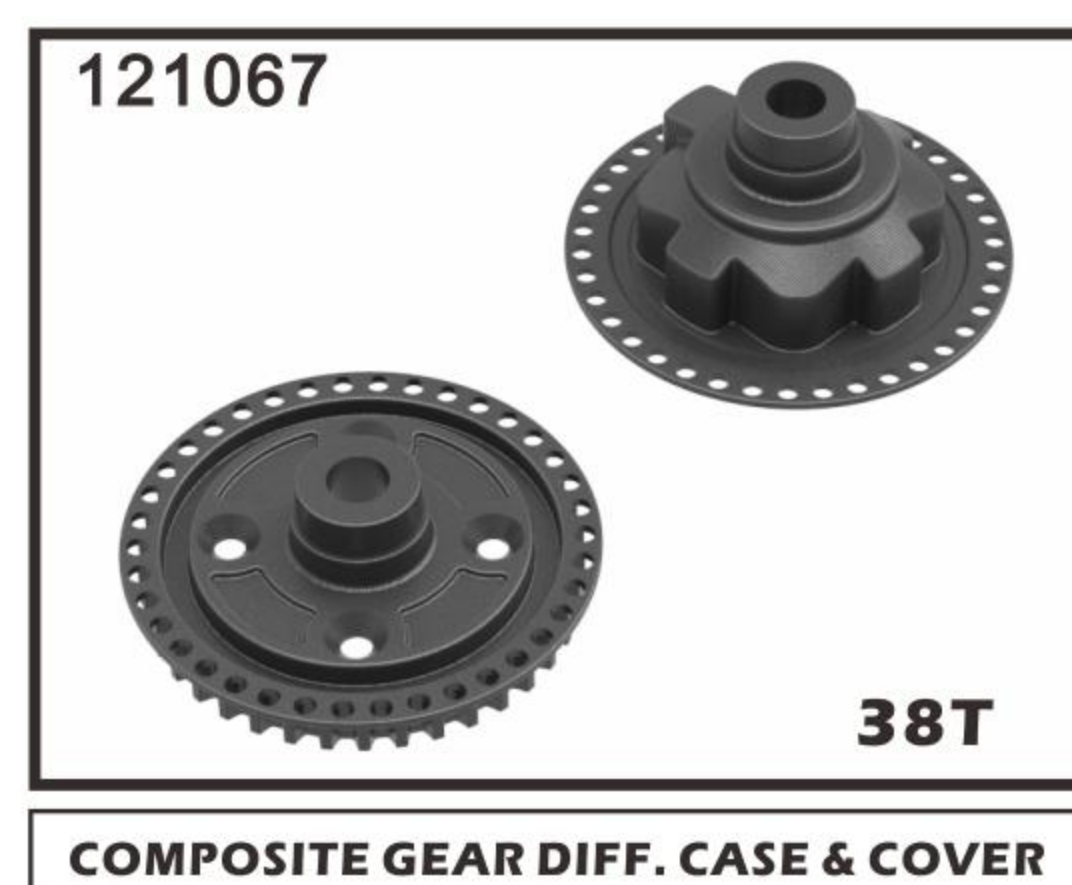
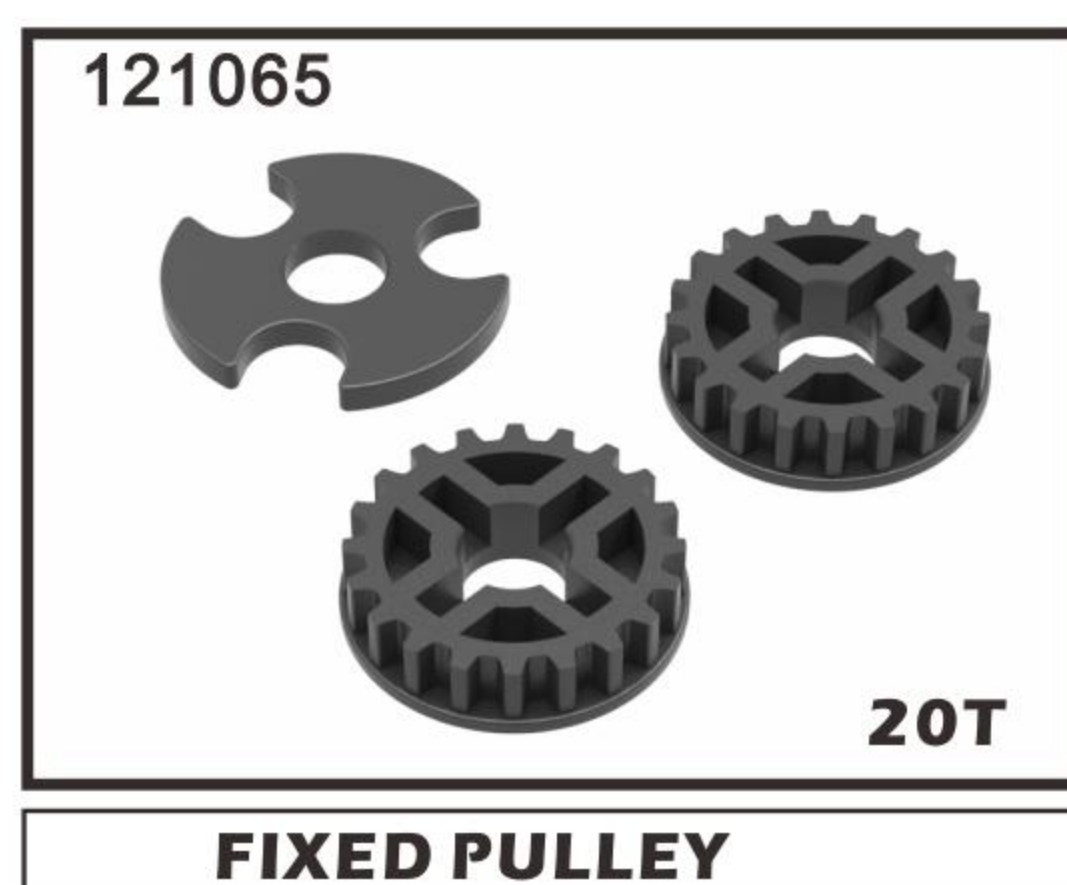
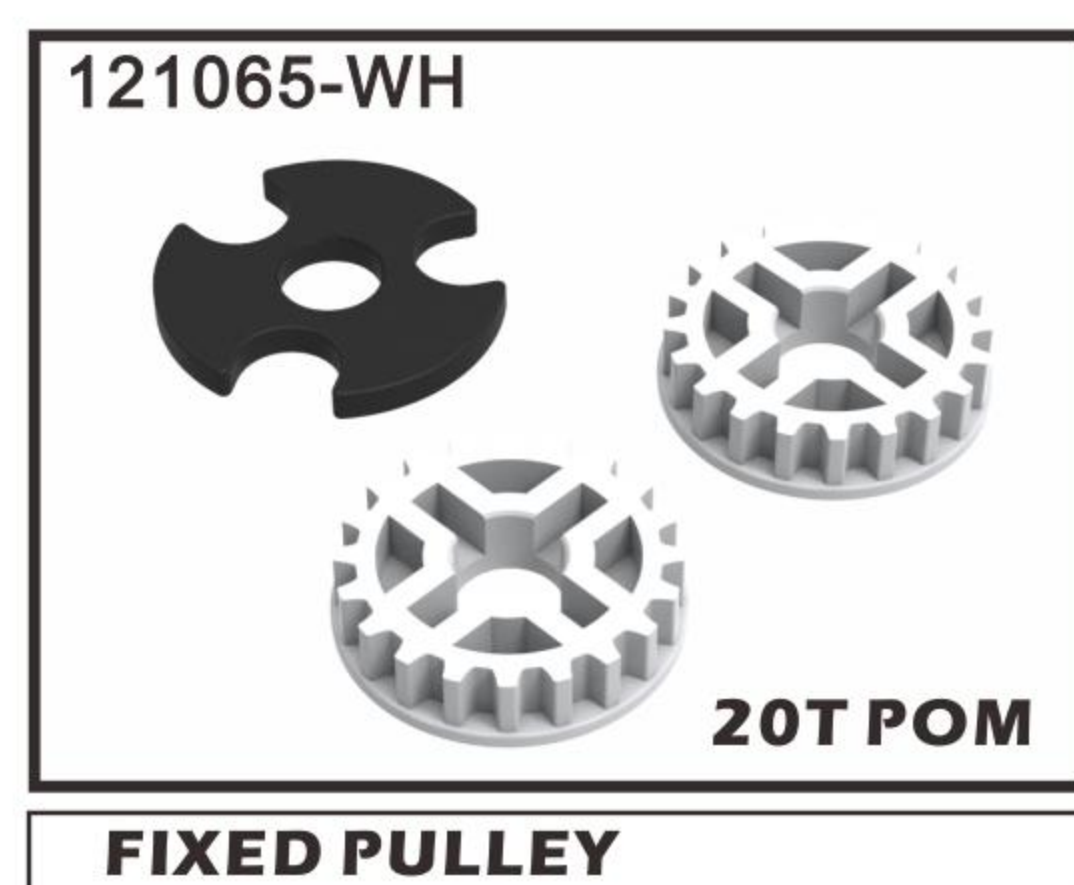
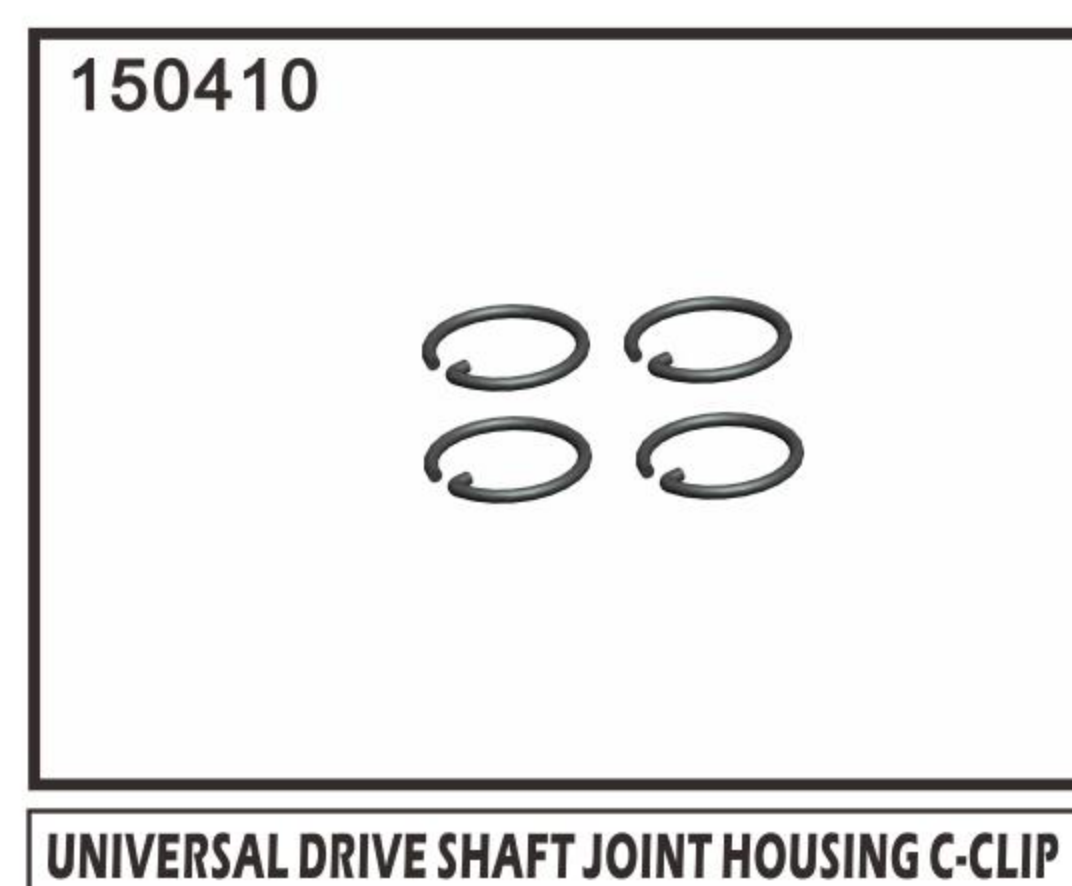
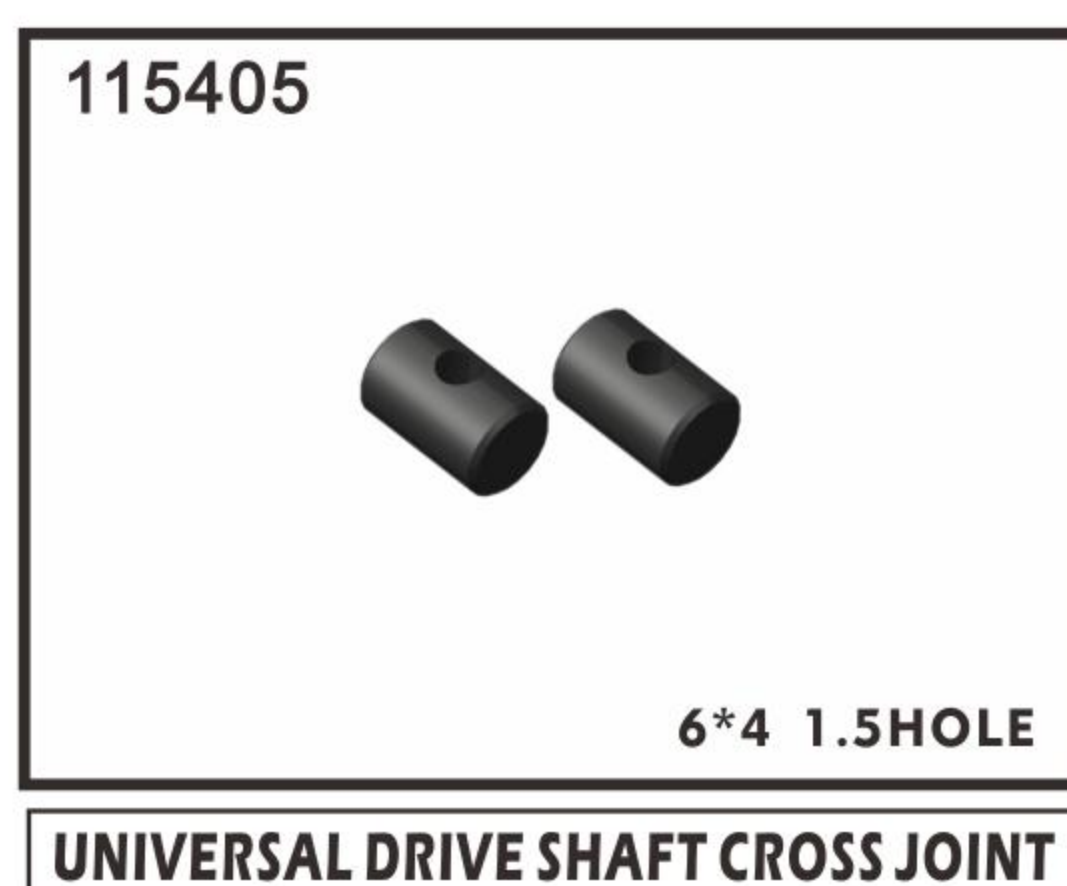
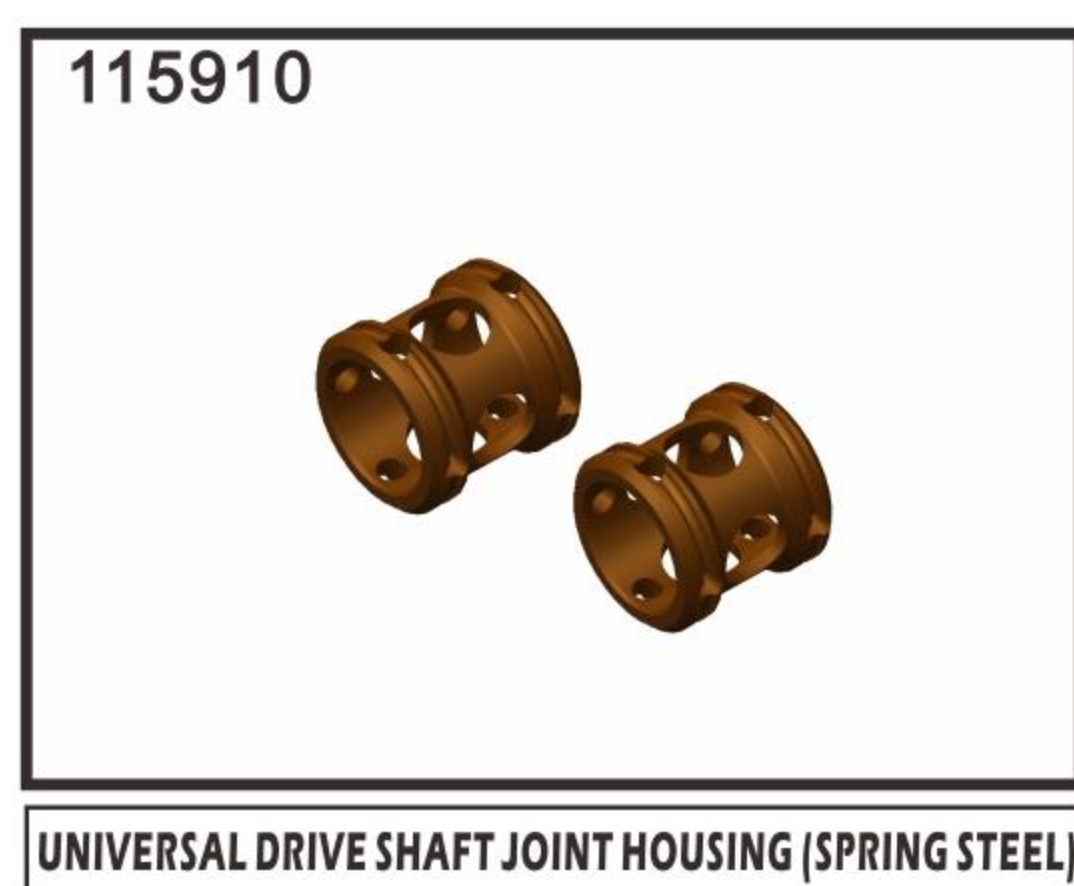
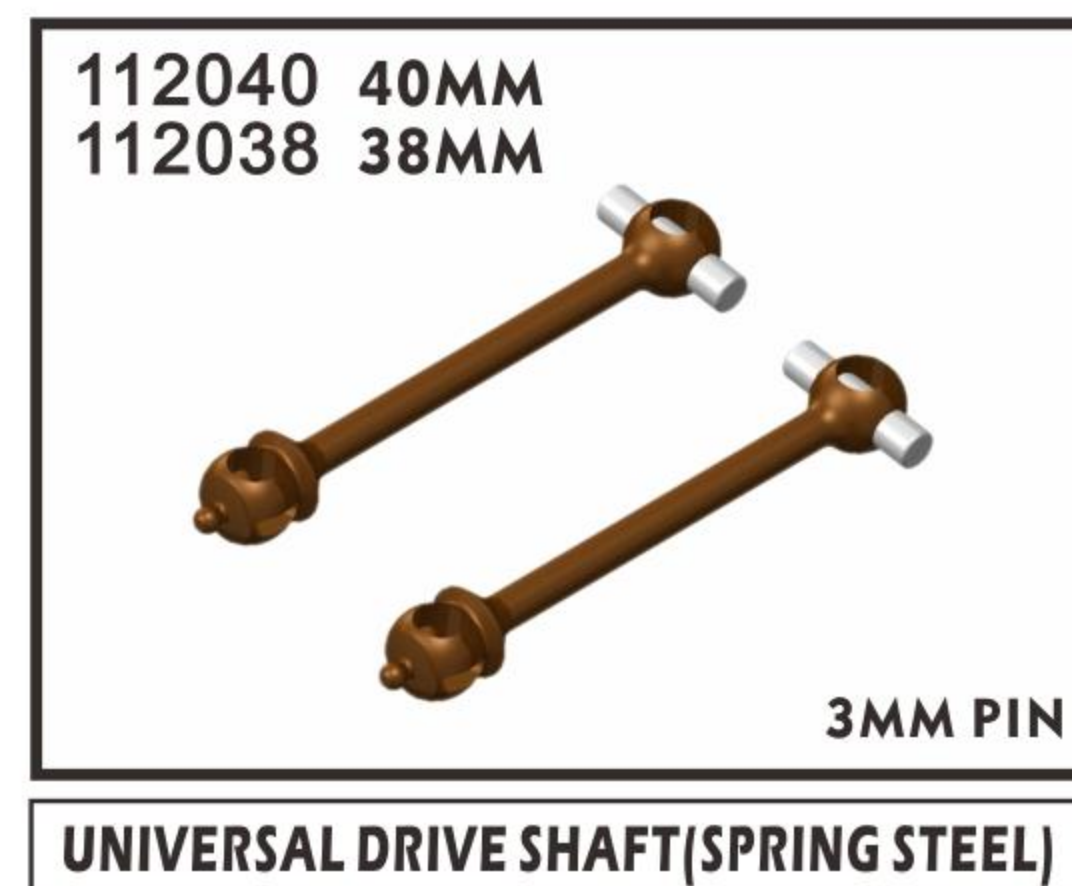
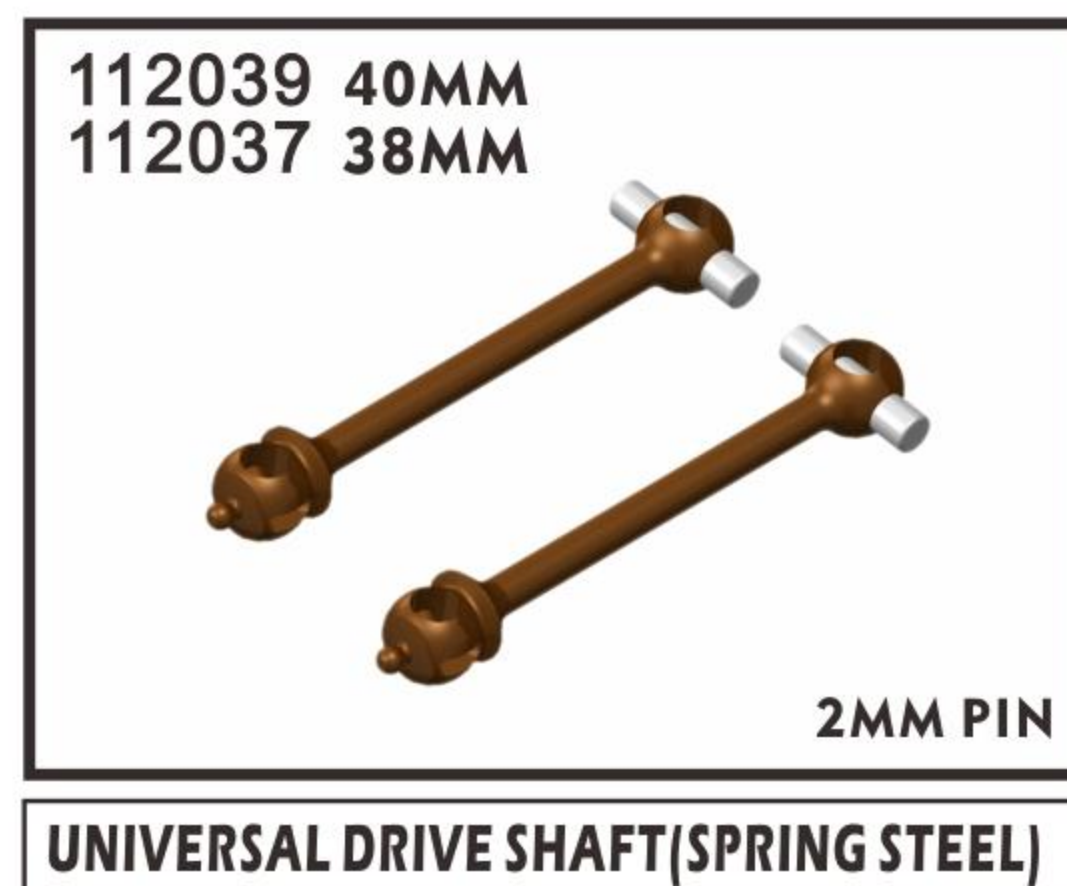
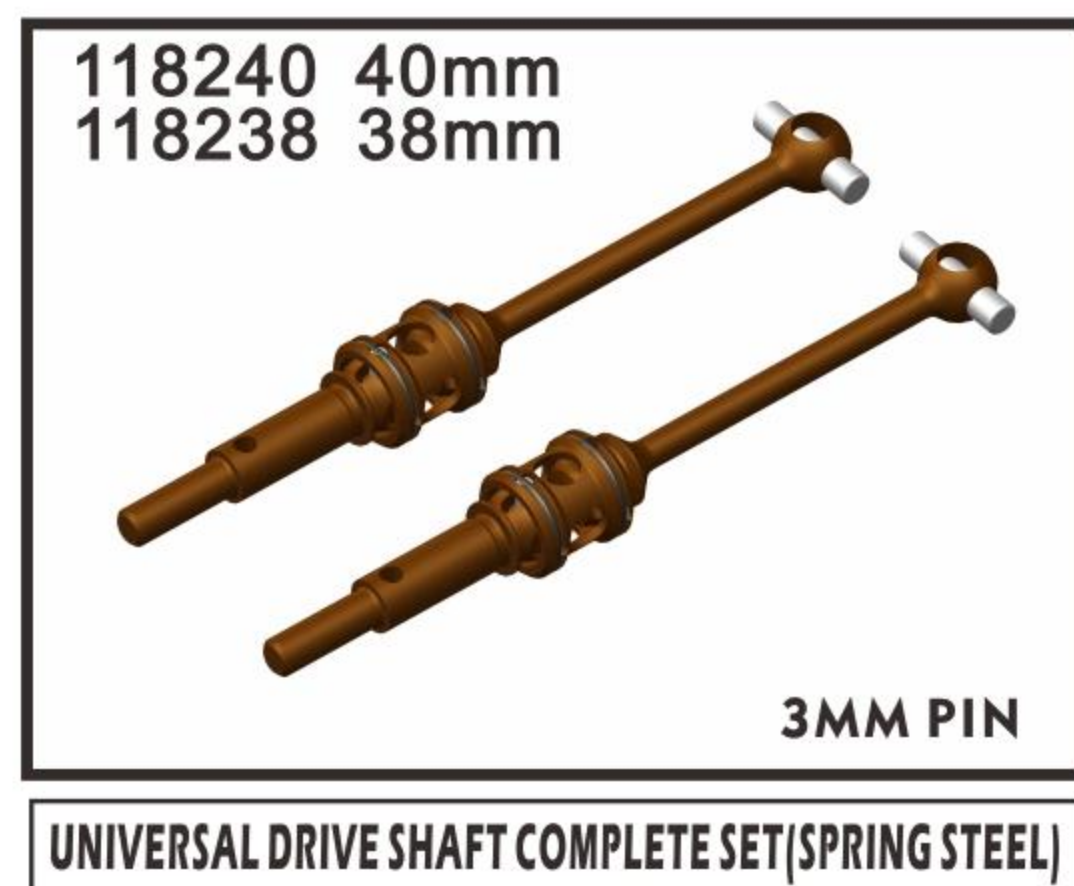
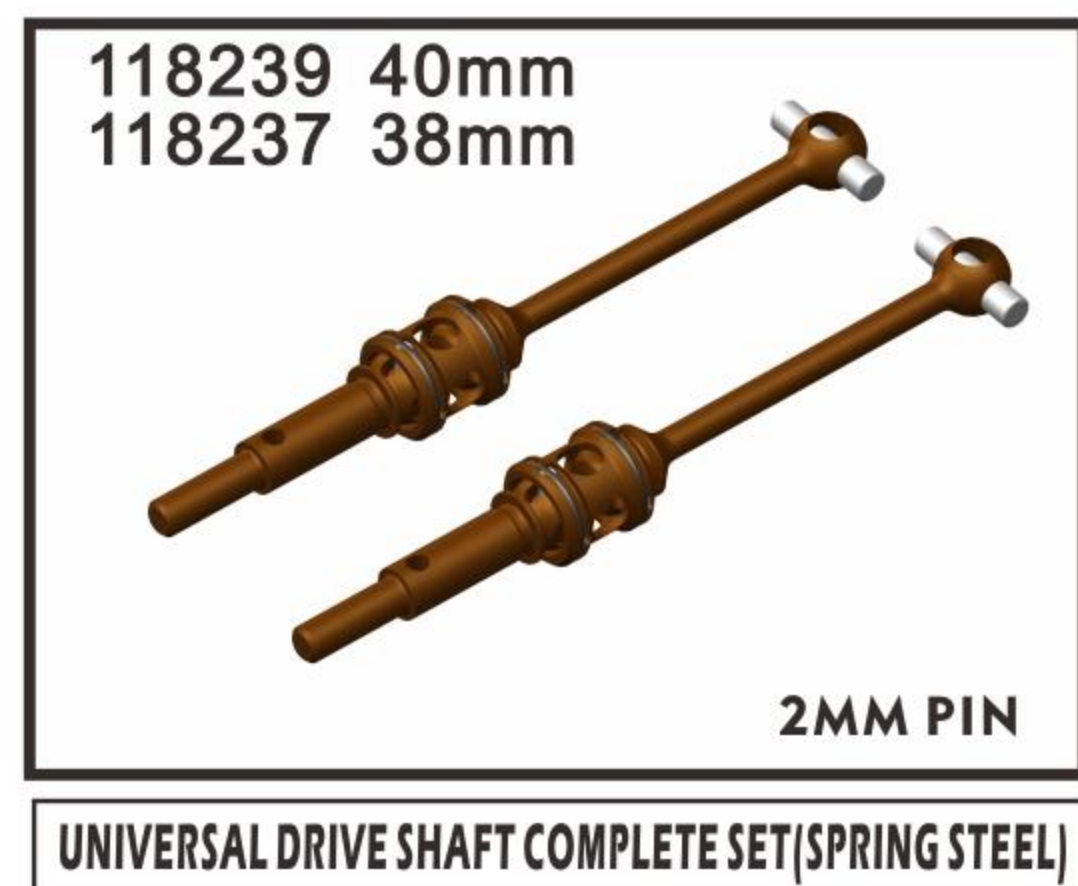
- 925801 BALL UNIVERSAL 5.8 MM HEX H3.0
- 124249 REDUCED AIR SHOCKER (49MM)

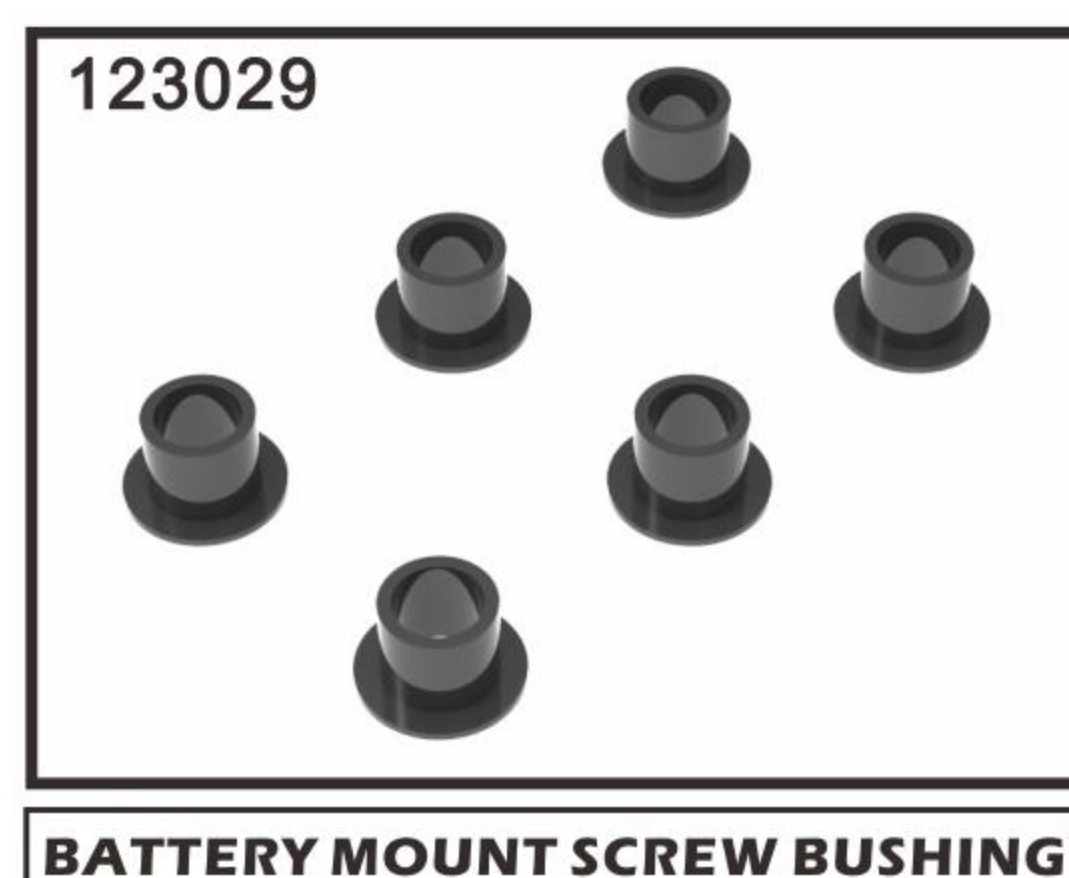
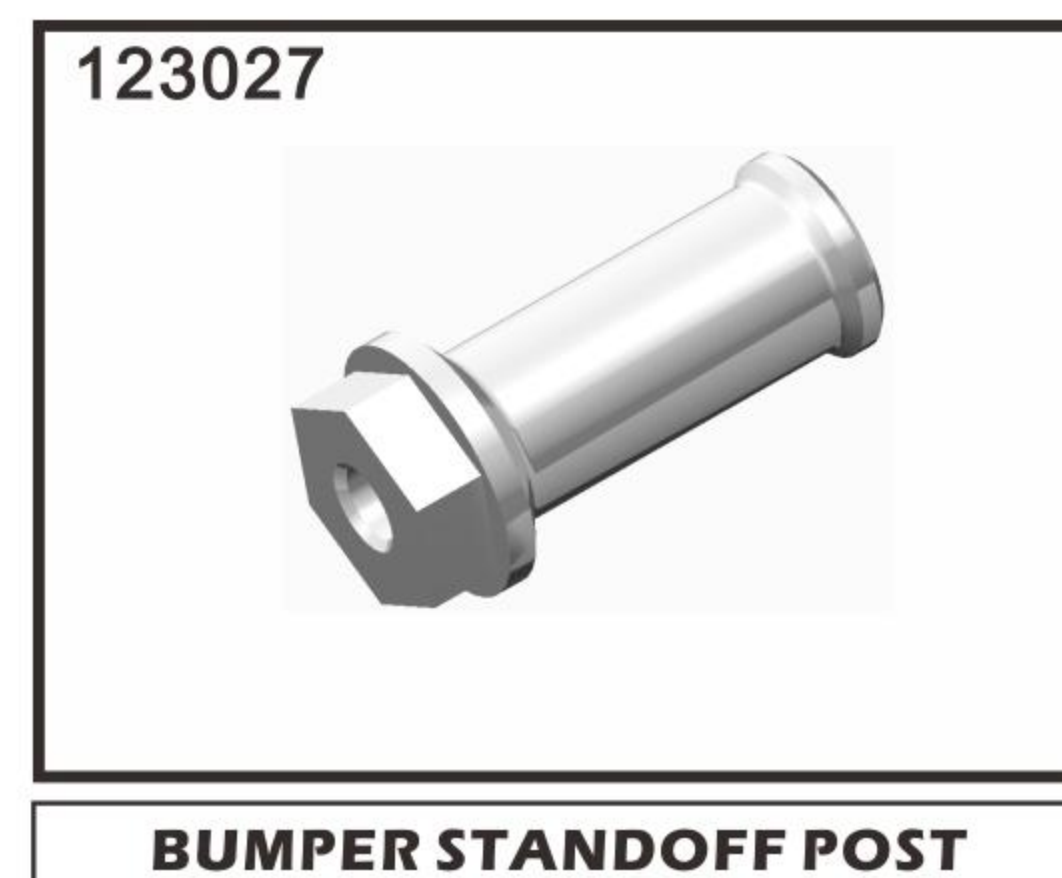
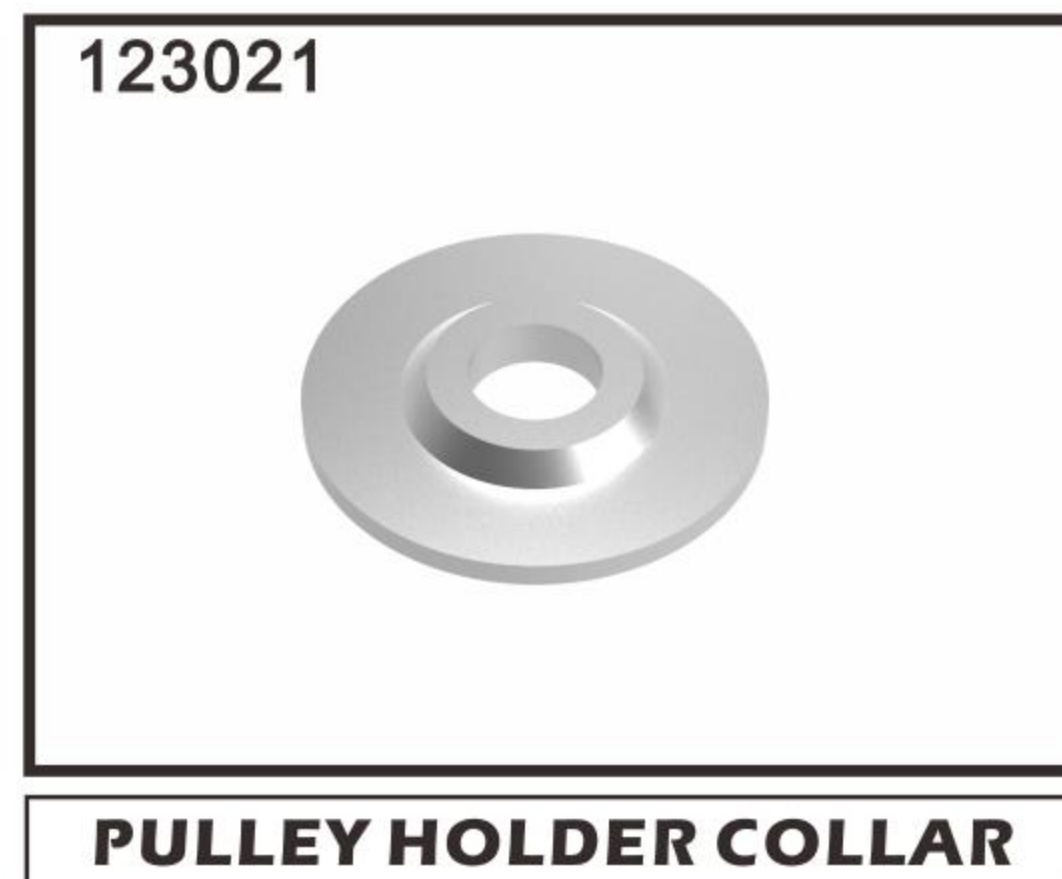
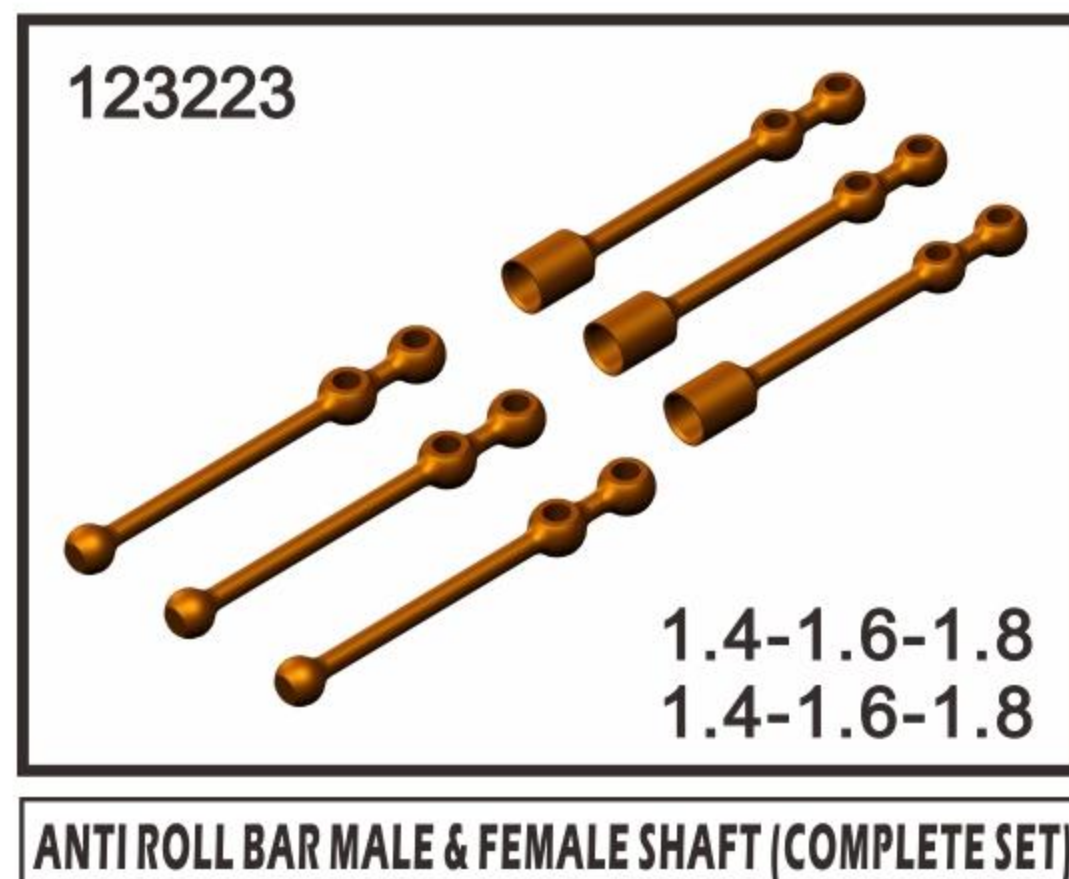
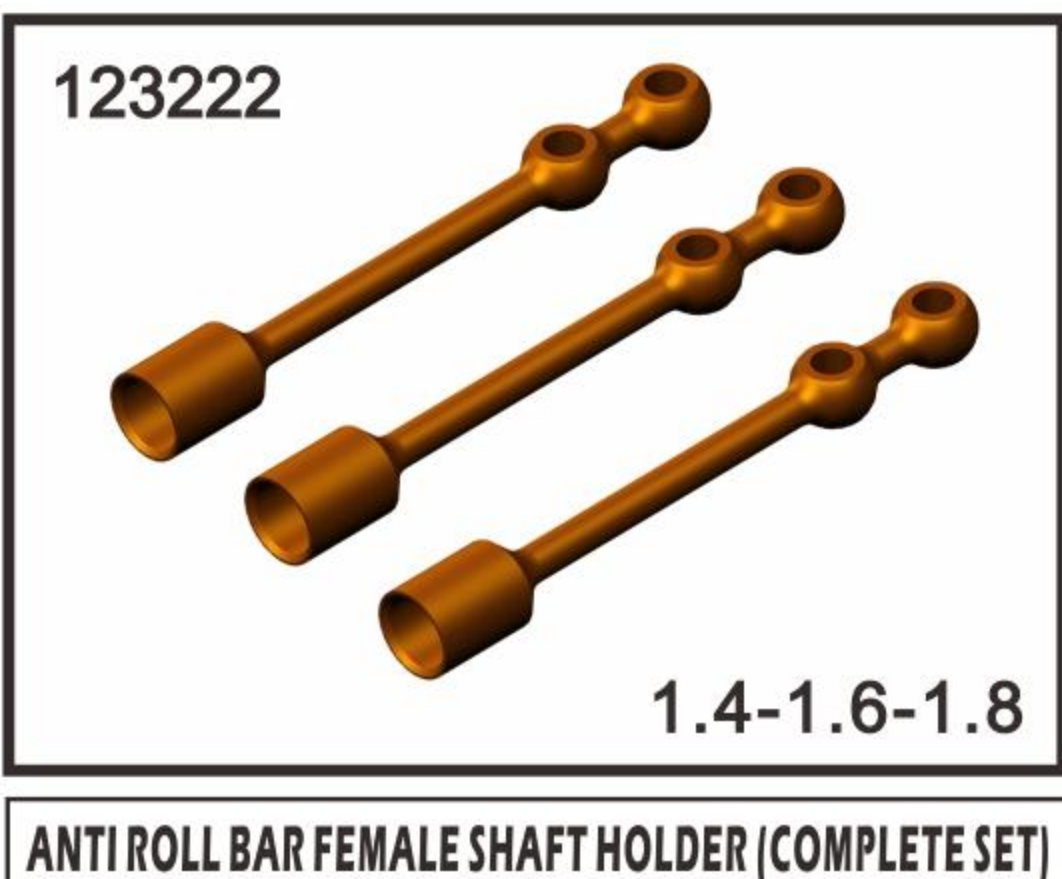
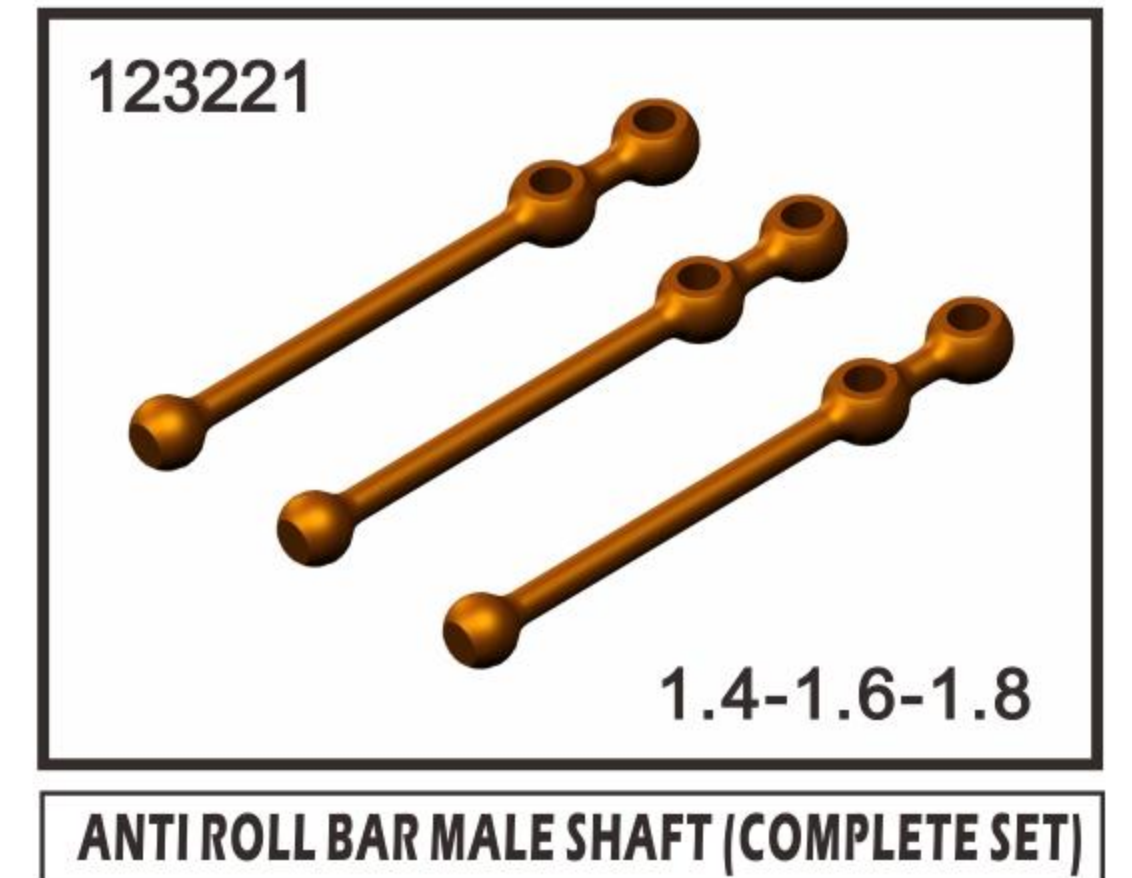
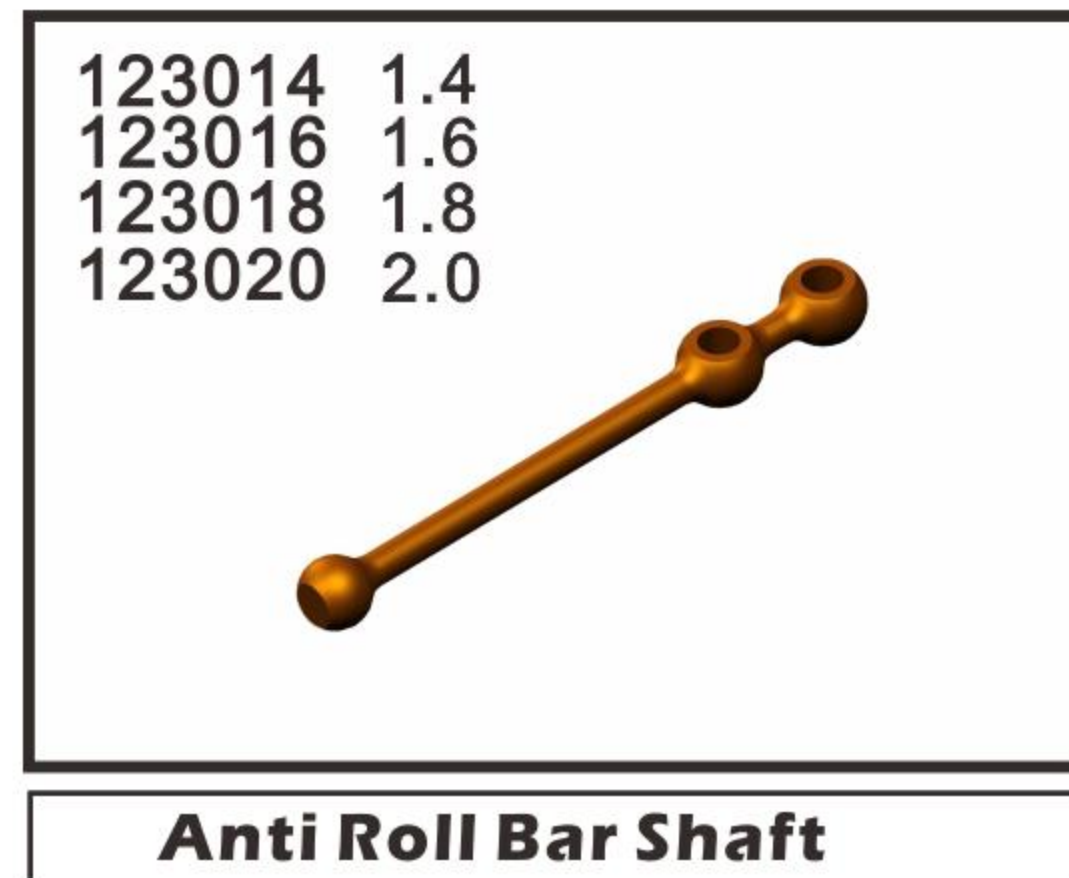
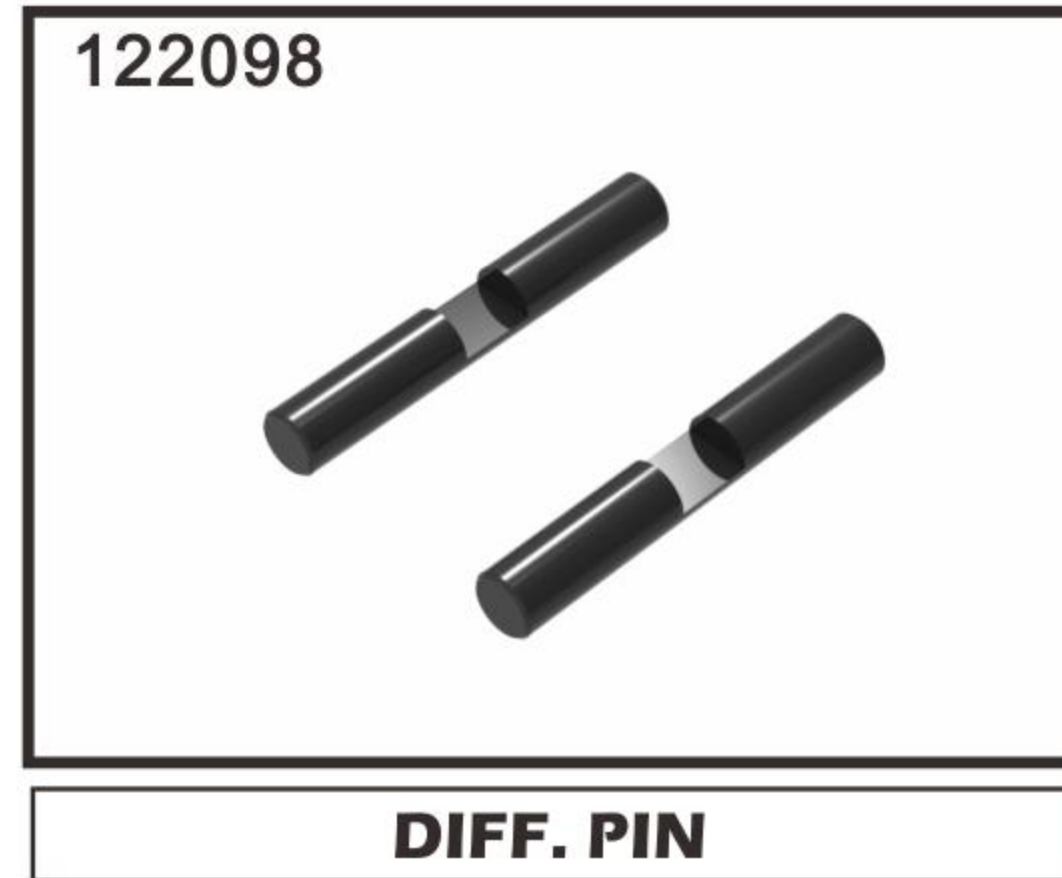
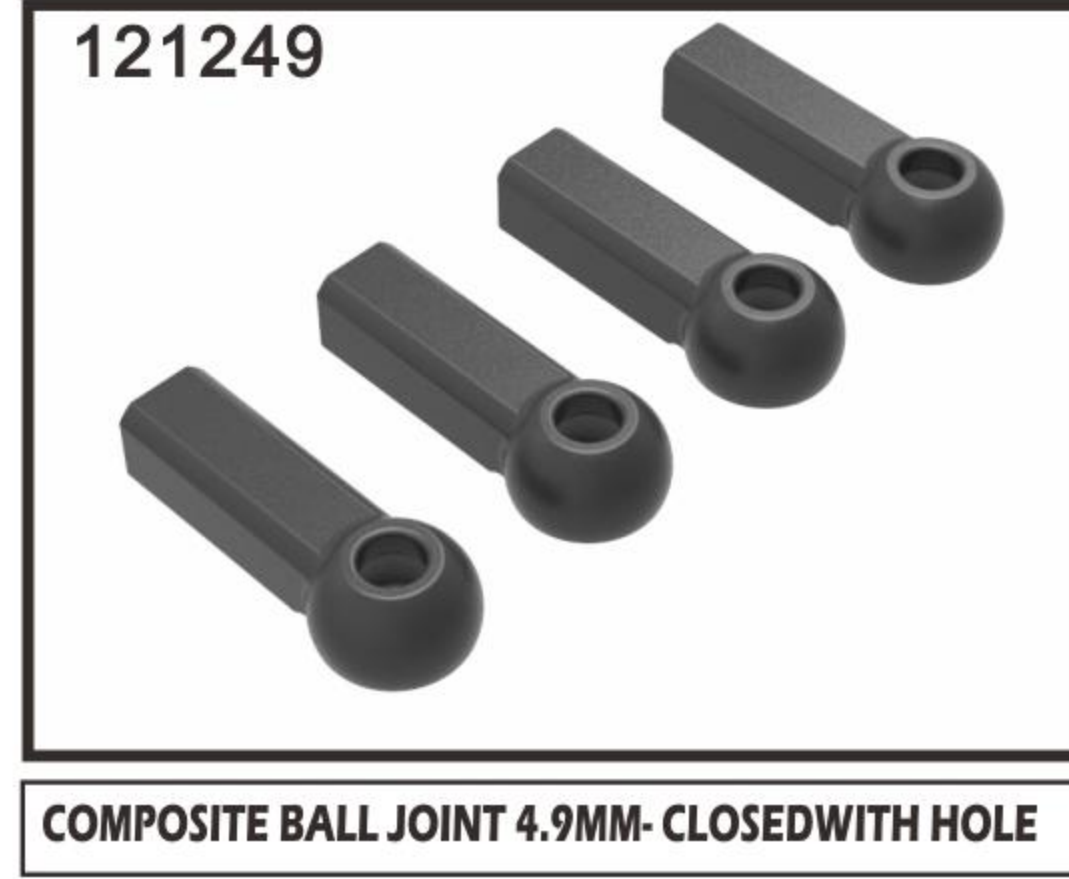


1/10 ELECTRIC TOURING CAR



-FFV3





123036



SUSPENSION ARM HOLDER WITH BALL END 4.9MM

123037



4.9x6

SUSPENSION ARM BUSHING

123038



26mm

26MM ALU. STANDOFF POST (FF-V3)

123044



53mm

53MM ALU. FRONT PULLEY SHAFT (FF-V3)

123045



FRONT PULLEY HOLDER BUSHING (FF-V3)

123050



0

SUSPENSION ARM TIGHTEN COLLAR

123052



0.2

SUSPENSION ARM TIGHTEN COLLAR

123054



0.4

SUSPENSION ARM TIGHTEN COLLAR

123061



FLOATING SERVO COLUMN 2 HOLE

123702



2deg

STEERING BLOCK HOLDER

123704



4deg

STEERING BLOCK HOLDER

123706



6deg

STEERING BLOCK HOLDER

124003



12mm

SUPENSION SPRING RETAINER

124012

124013 -1.0mm
124014 -3.0mm



ALU SHOCK SPRING RETAINING COLLAR

124201



RAS- SHOCK CAP

124236 3*36mm
124239 3*40mm
124247 3*48mm



RAS-SHOCK SHAFT

124316 12mm*16mm
124318 12mm*18mm
124322 12mm*22mm



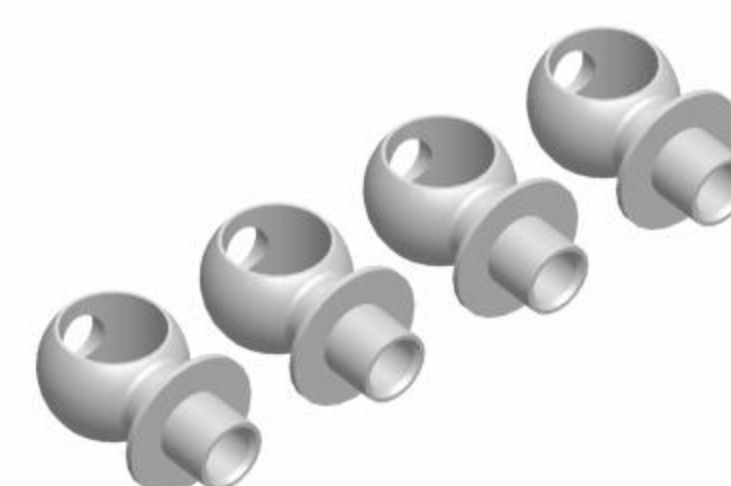
RAS-SHOCK BODY

124245 12mm*45mm
124249 12mm*49mm
124257 12mm*57mm



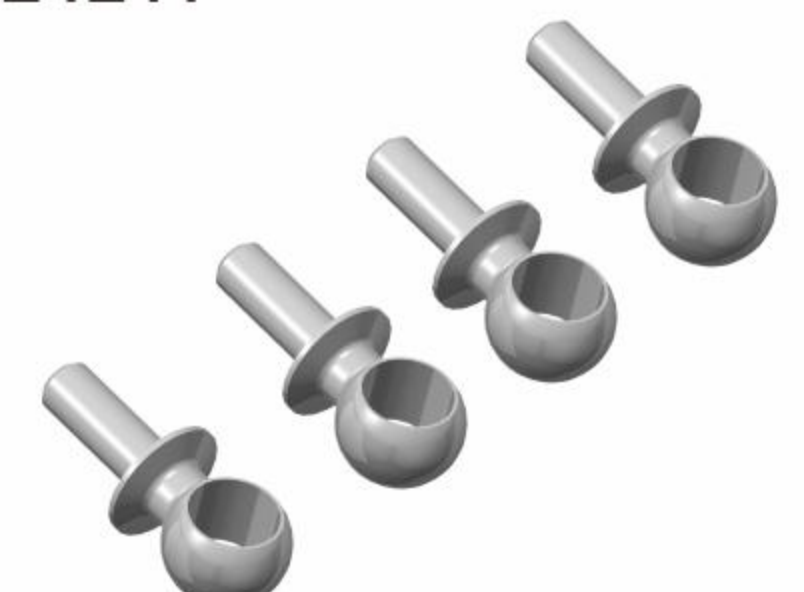
REDUCED AIR SHOCKER

124204



RAS-SHOCK CAP BALL END

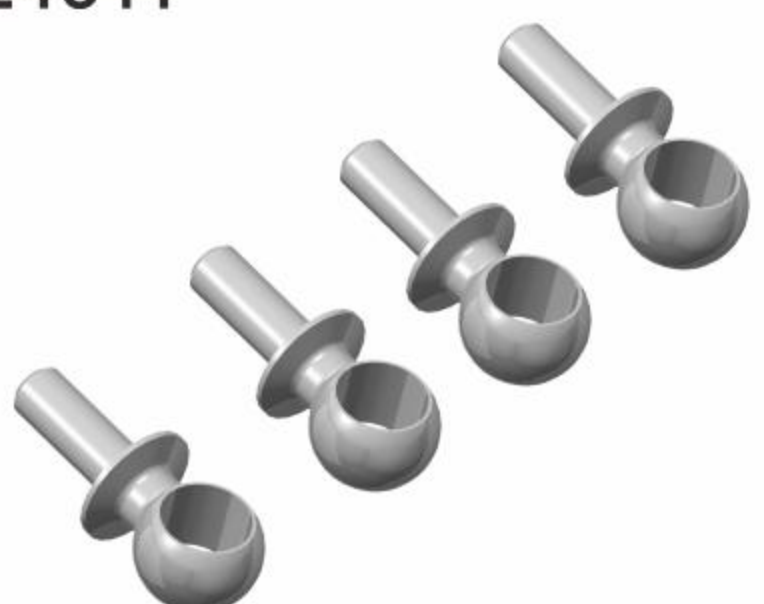
124211



5.9*7mm

RAS-SHOCK CAP BALL END

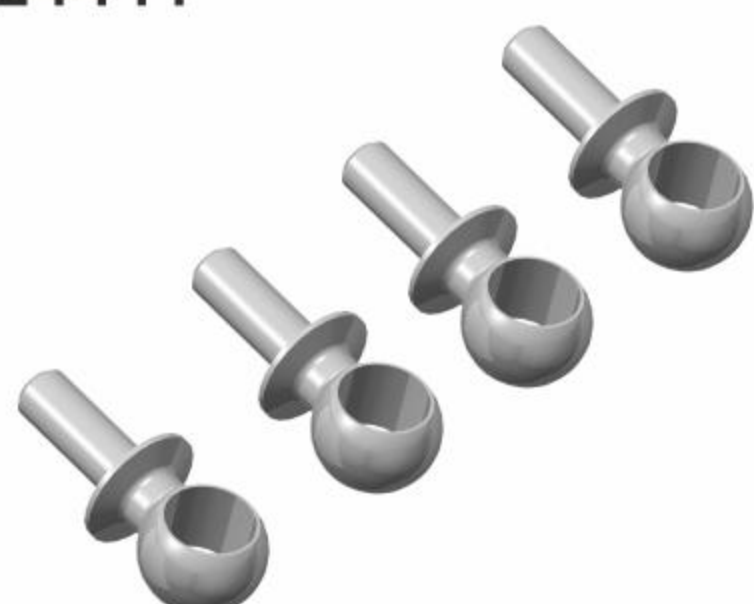
124311



5.9*10mm

RAS-SHOCK CAP BALL END

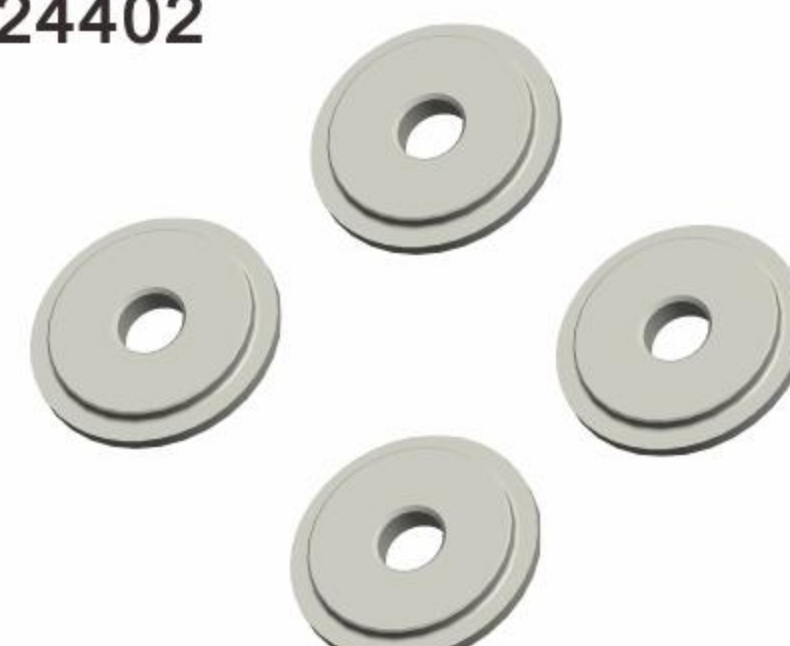
124411



5.9*12mm

RAS-SHOCK CAP BALL END

124402



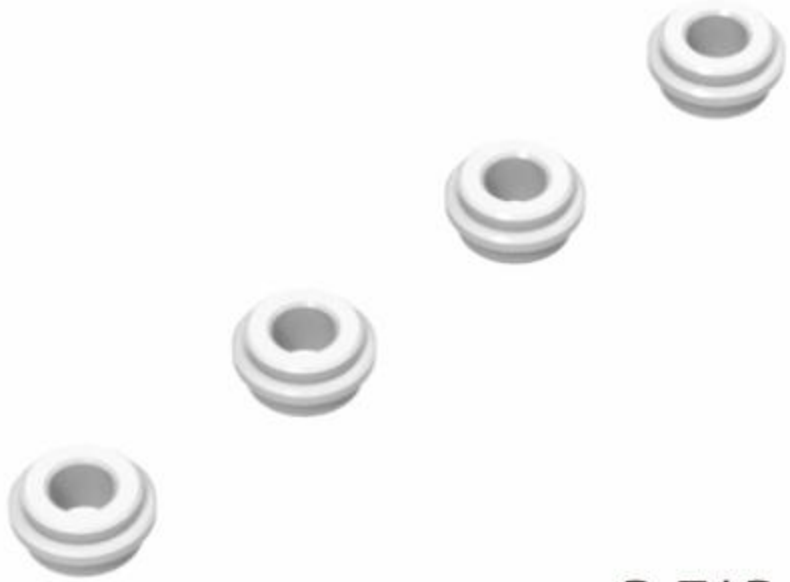
RAS-SHOCK TOP COVER

120053 3.7*3.0



ALU SHOCK BUTUOM CAP SET WITH ORING

124403



3.7*3.0

RAS-SHOCK BOTTOM COVER

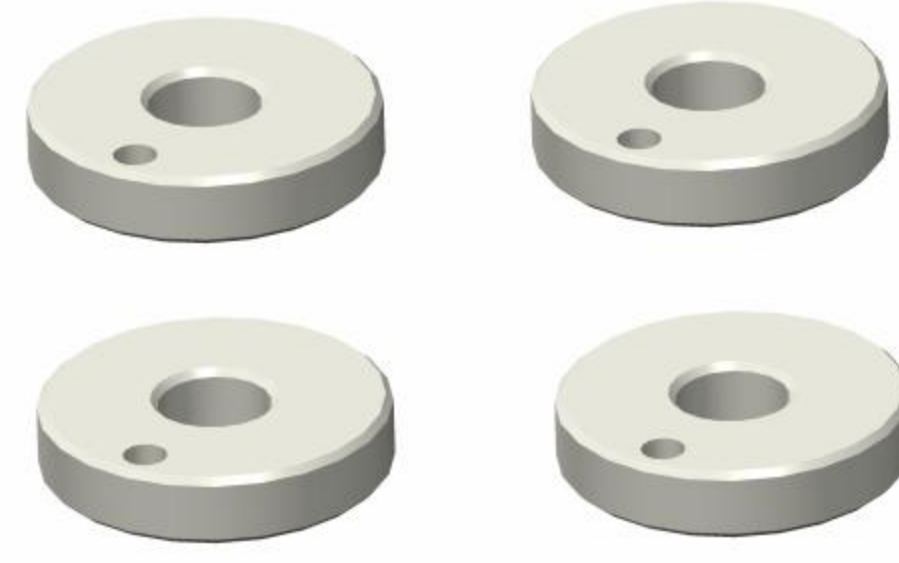
124430



without hole

RAS-SHOCK PISTON

124431



1 hole

RAS-SHOCK PISTON

124432



2 hole

RAS-SHOCK PISTON

124433



3 hole

RAS-SHOCK PISTON

124501



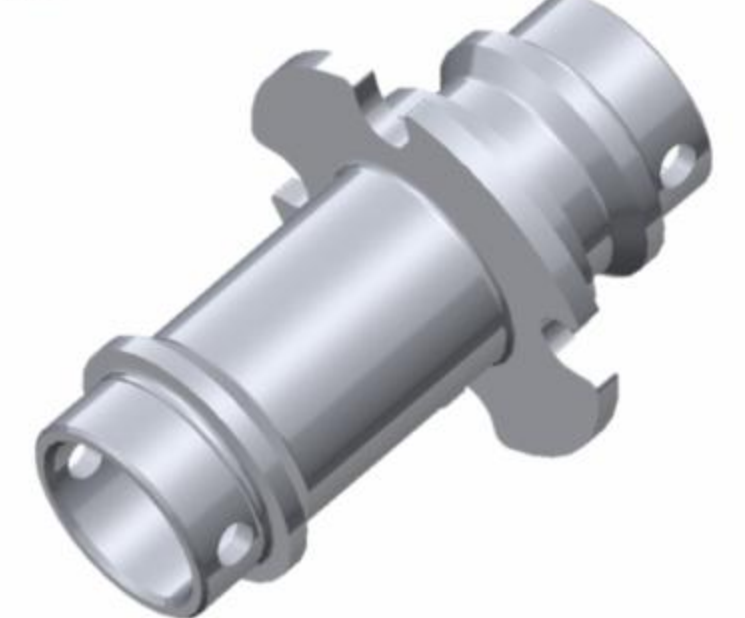
RAS-Shock Holder Tool

11 125012



OPTION ALU WHEEL HUB

125019



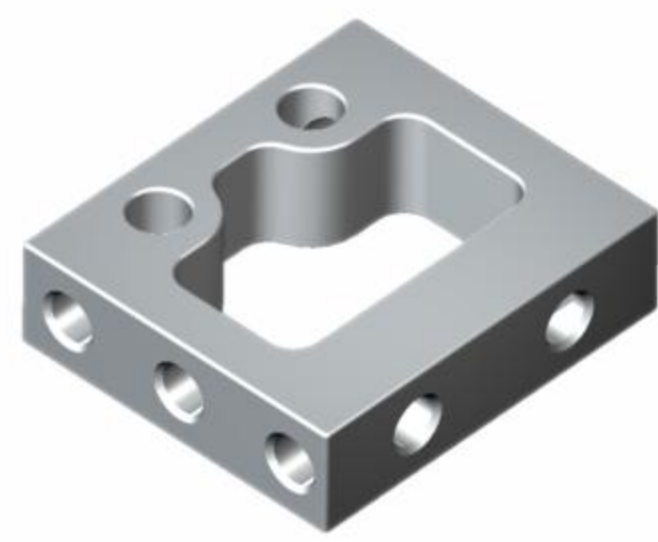
FRONT SOLID AXLE

125029



ALU SHOCK BOTTOM CAP

125032



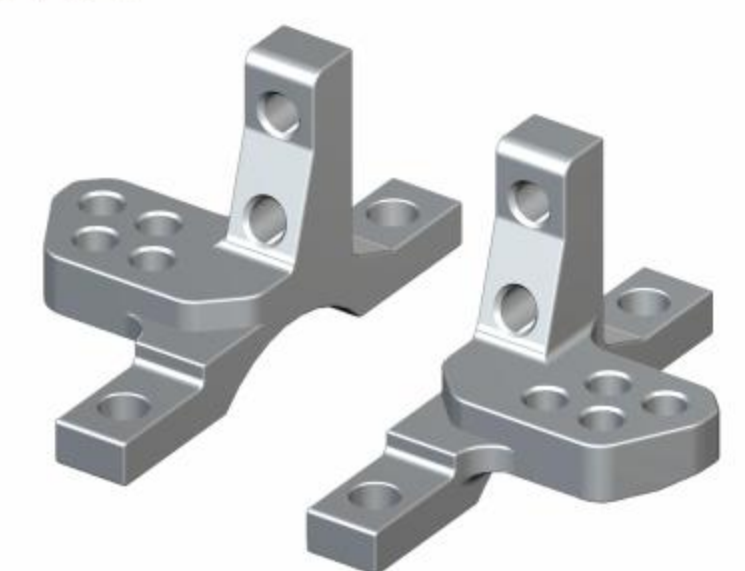
SUSPENSION RUDDER FRAME-STRAIGHT

125046



ALU. STEERING MOUNT HOLDER

125104



REAR BEARING SLEEVE CLAMP (L+R, FF-V3)

125130



ALU. REAR BULKHEAD (FF-V3)

125131



ALU. FRONT BULKHEAD (FF-V3)

125132



ALU. MOTOR MOUNT PLATE (FF-V3)

125133



ALU. SPUR GEAR SHAFT MOUNT (FF-V3)

125135



ALU. STEERING PLATE (FF-V3)

125136



FRONT BEARING SLEEVE CLAMP (L+R, FF-V3)

125141



ALU. CENTER MOUNT (FF-V3)

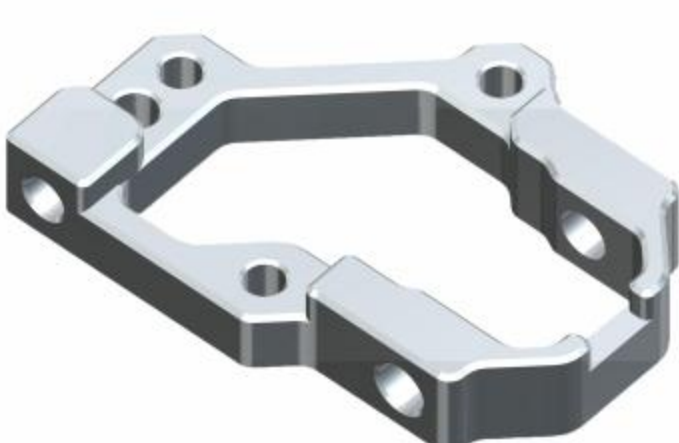
125451



FL

ALU. FRONT ARM JOINT HOLDER

125452



FR

ALU. FRONT ARM JOINT HOLDER

125453



RL

ALU. REAR ARM JOINT HOLDER

125454



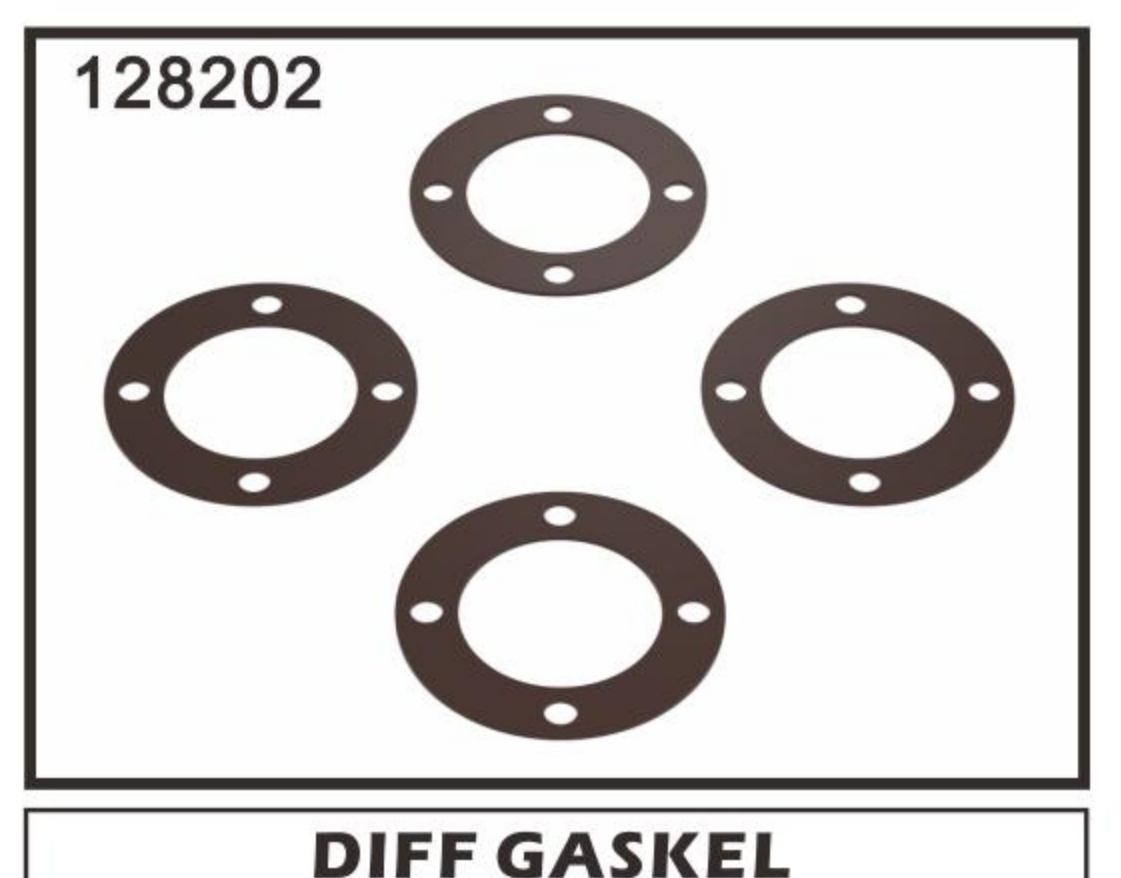
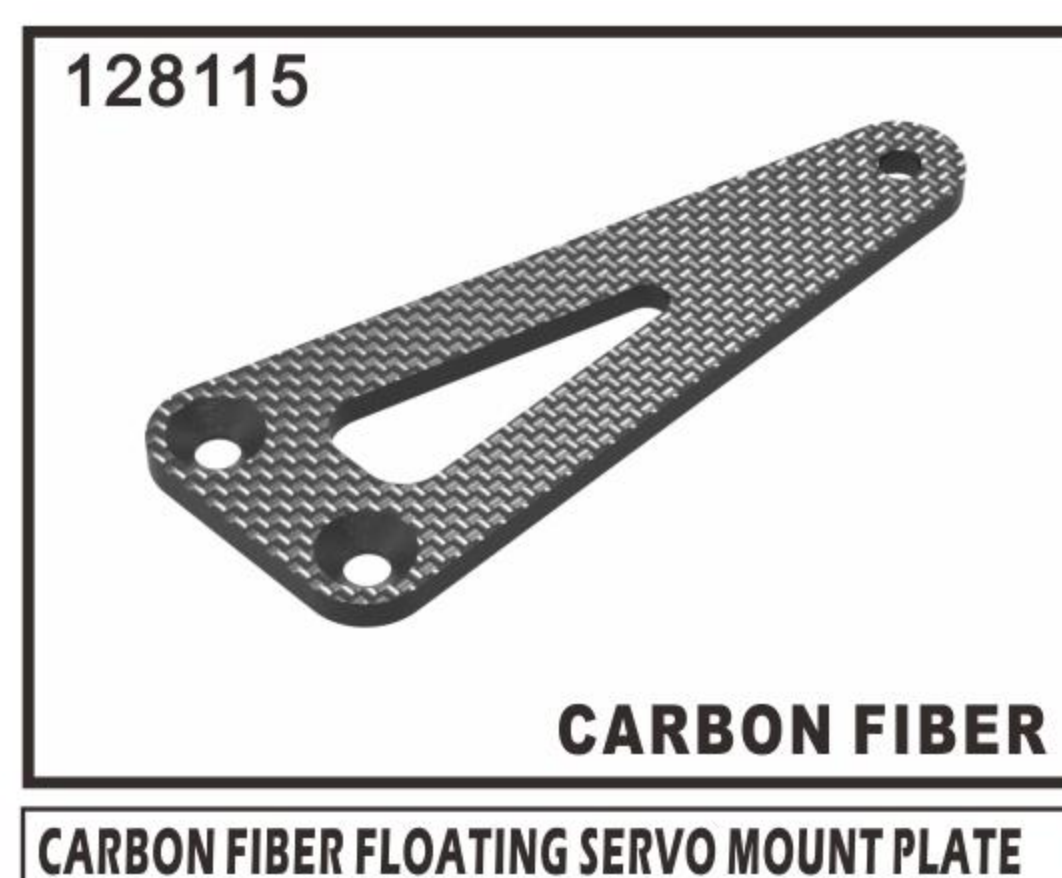
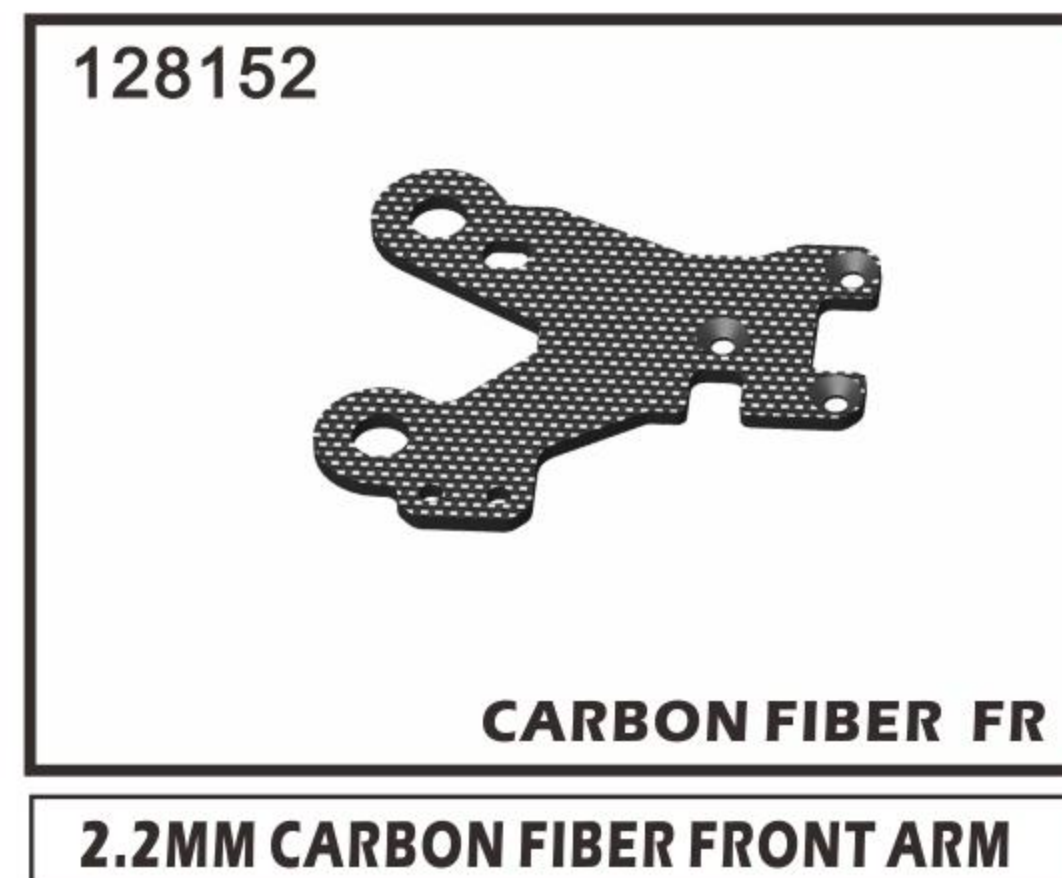
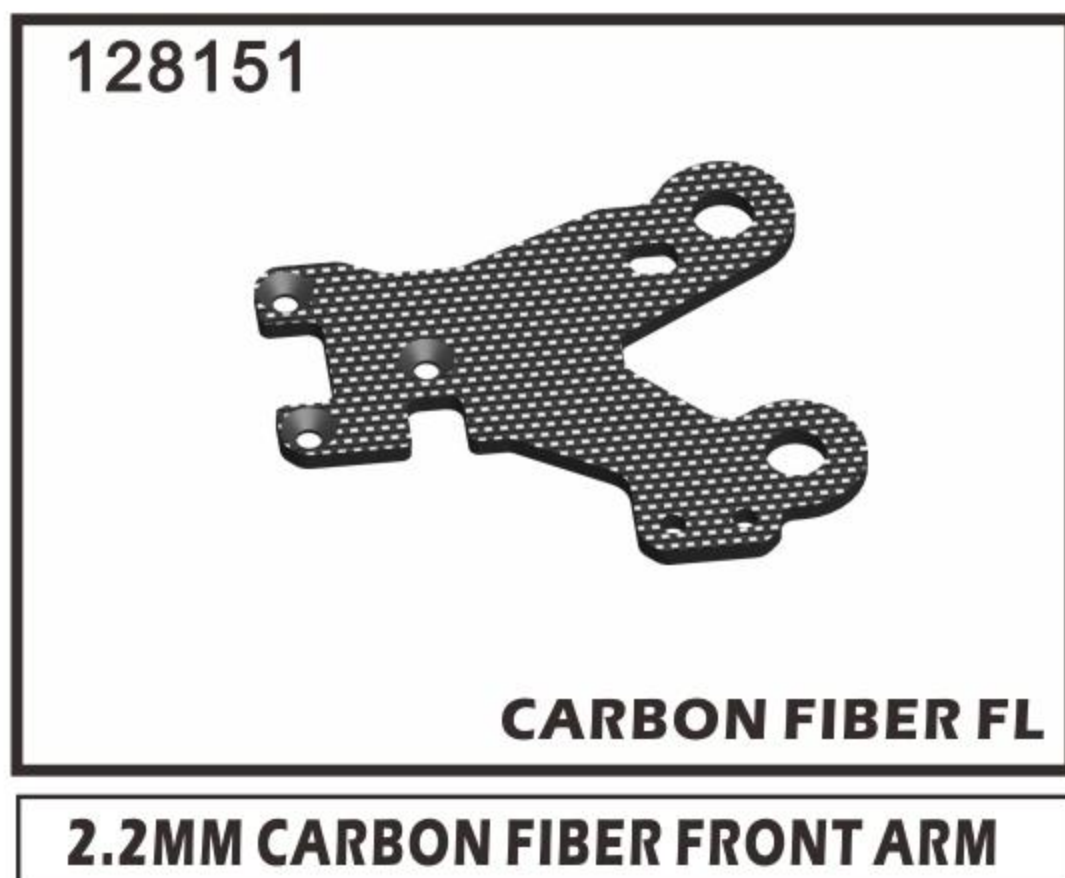
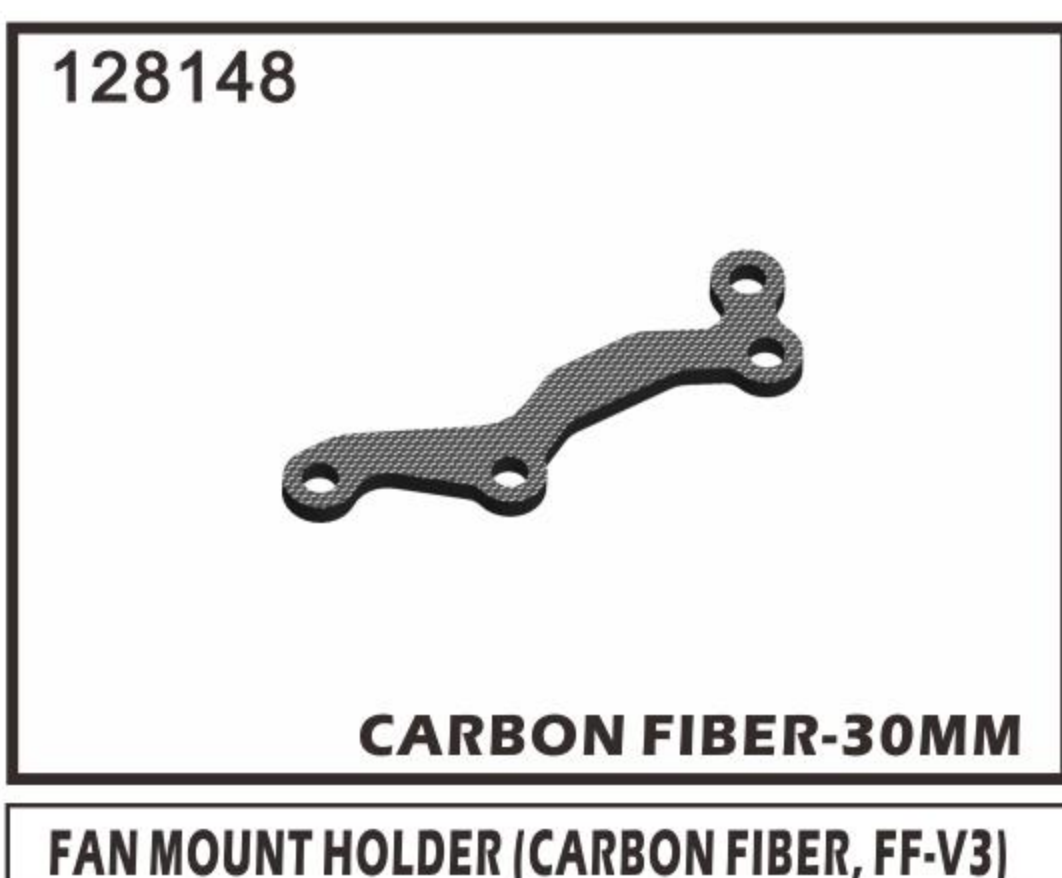
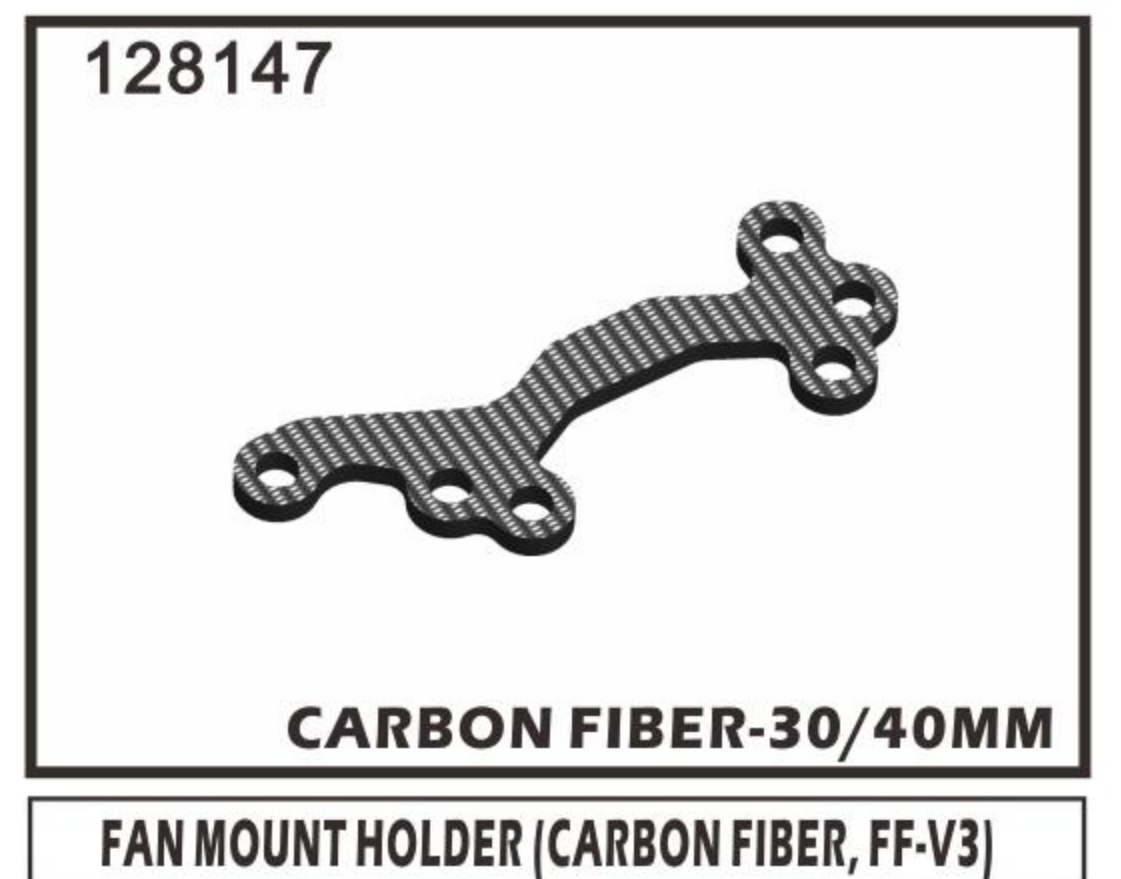
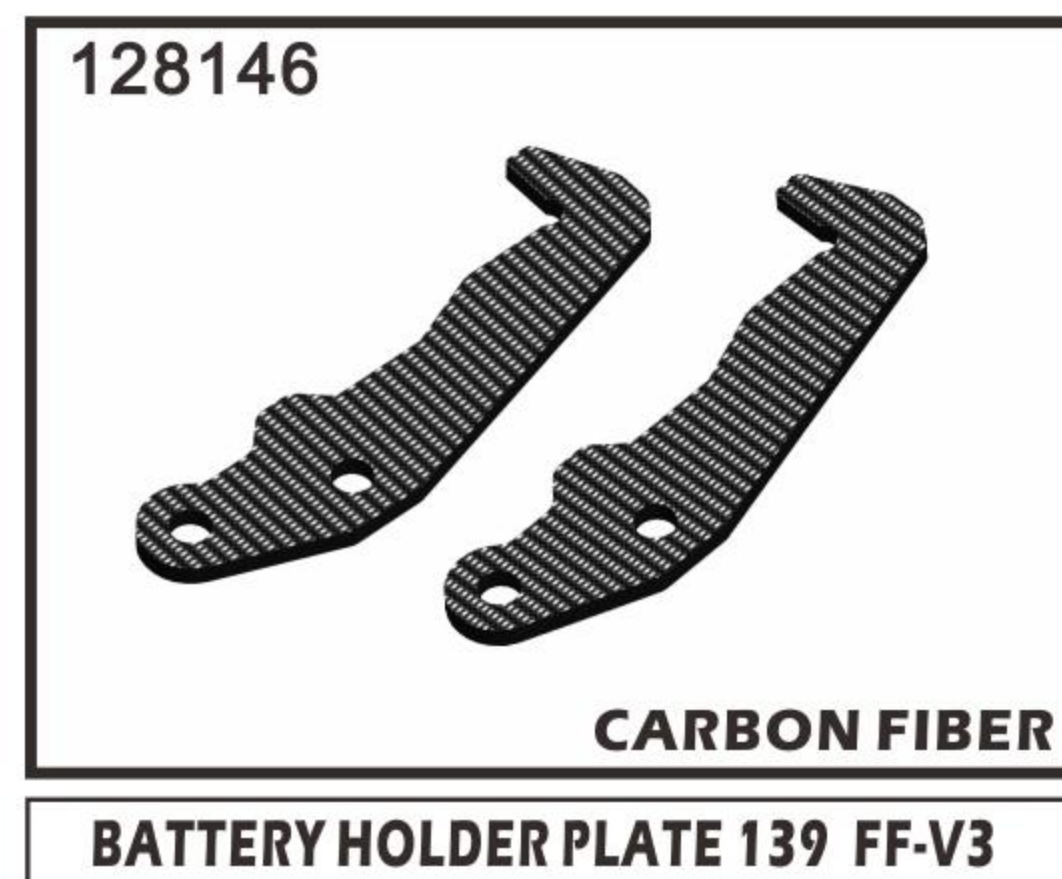
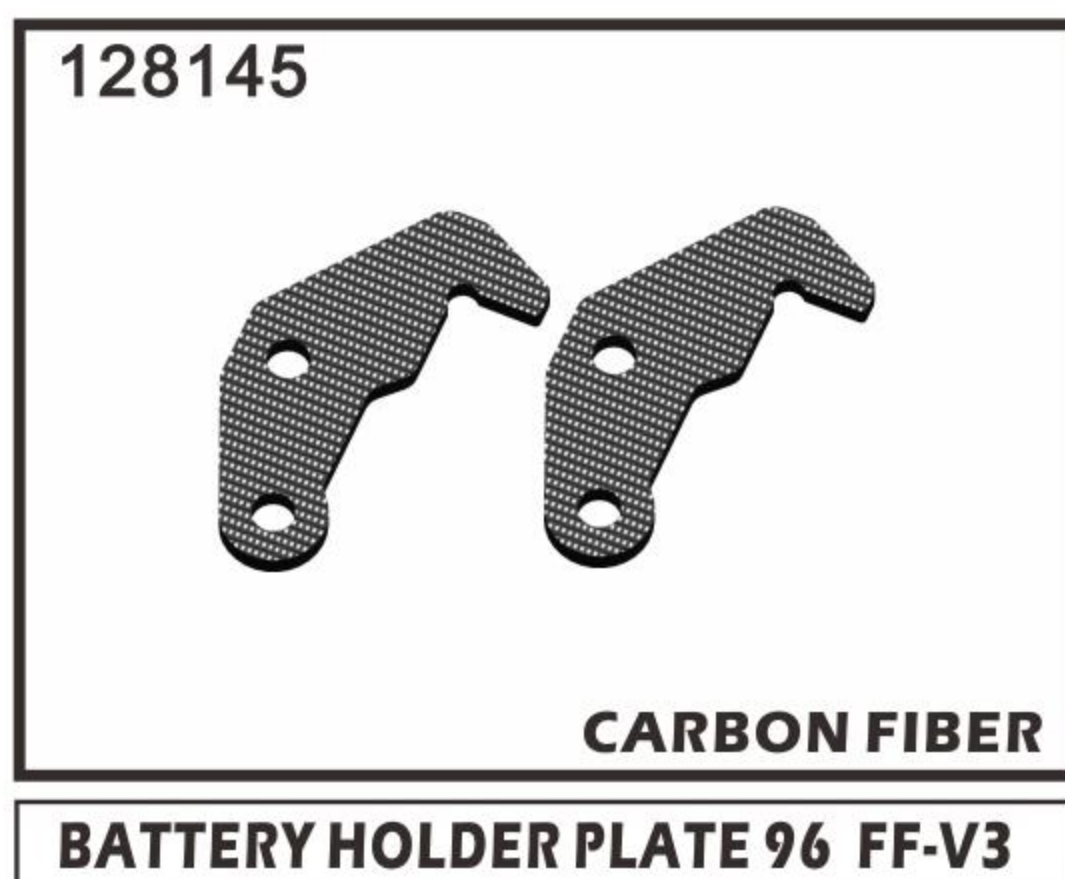
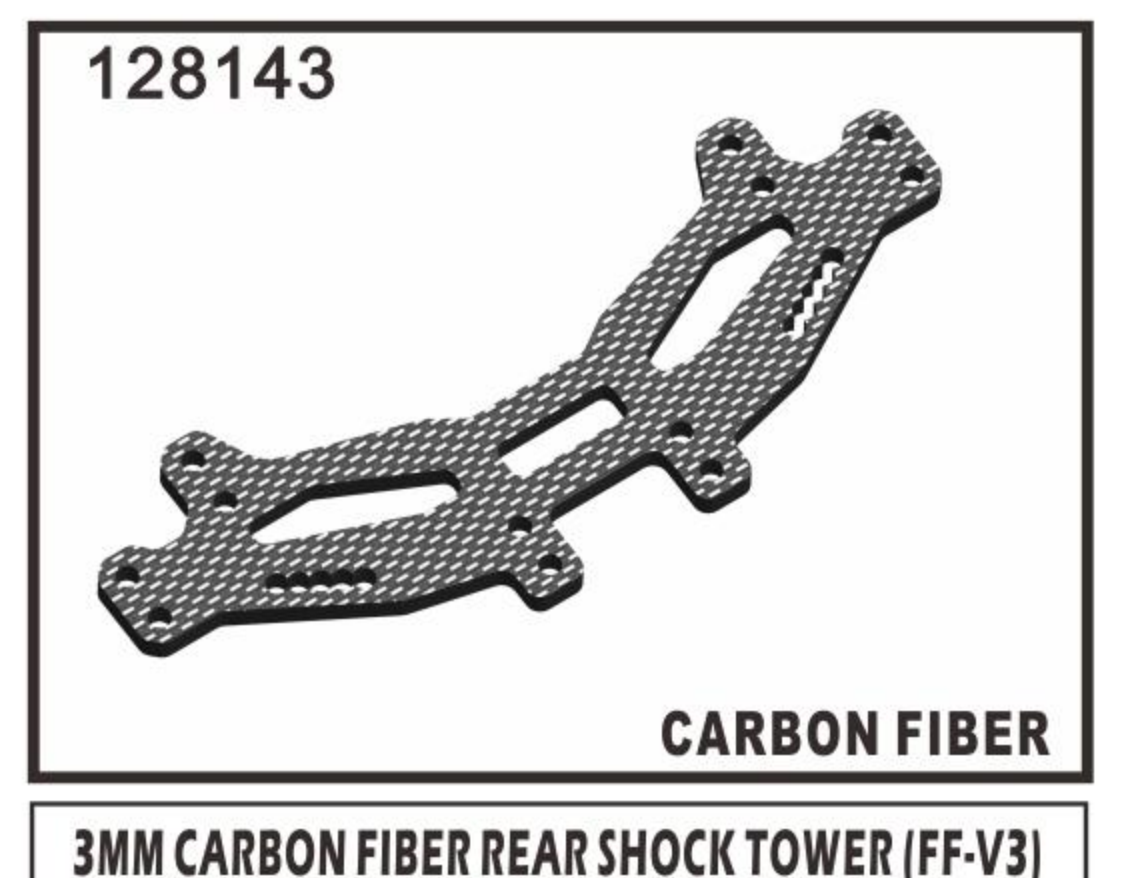
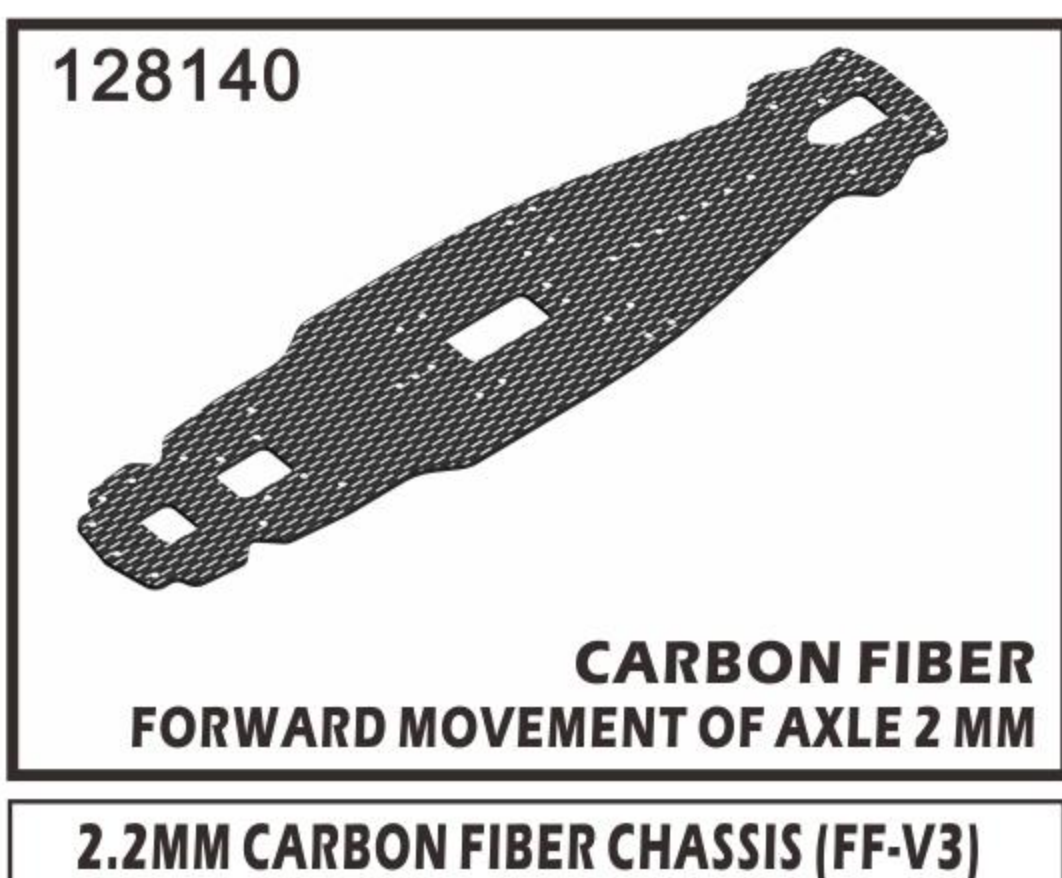
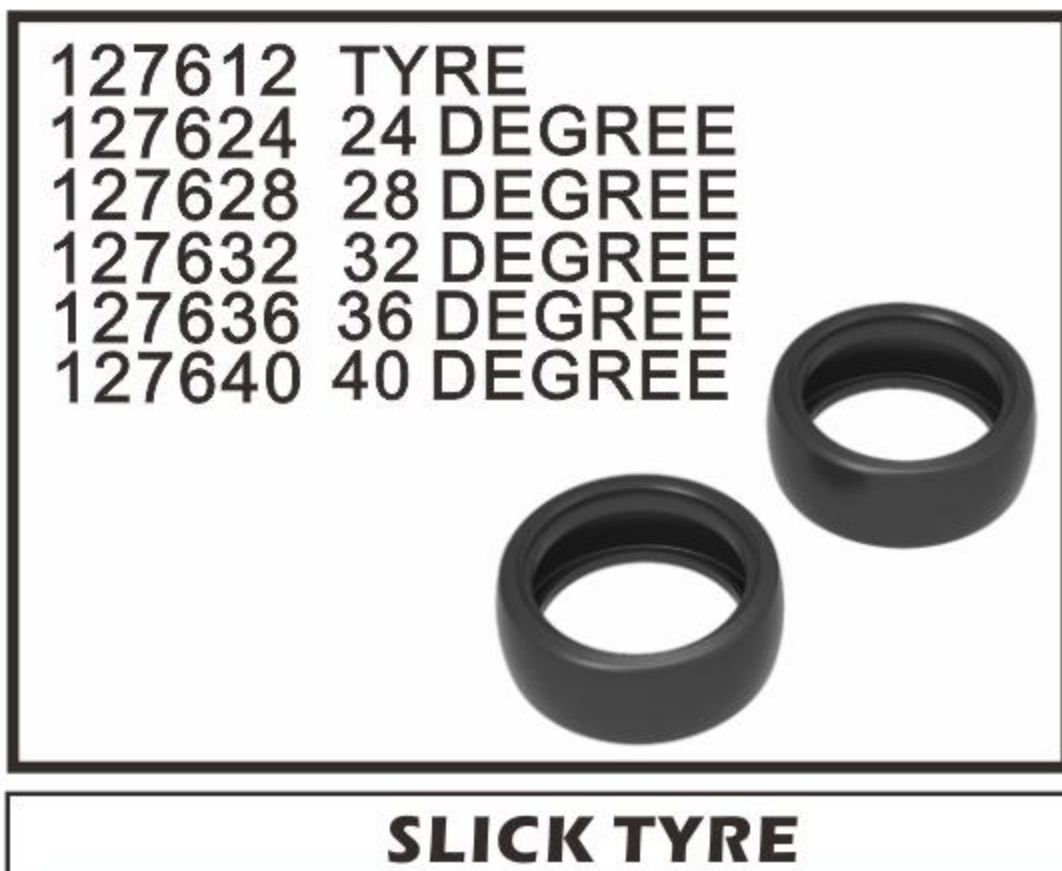
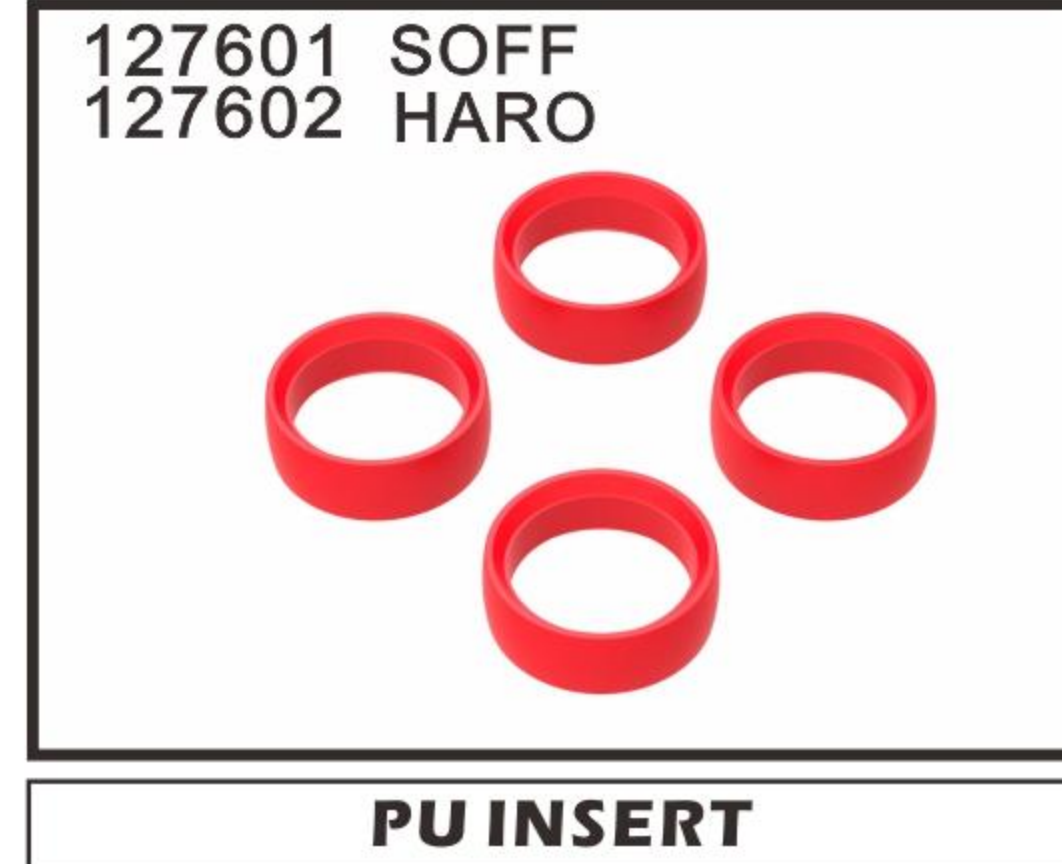
RR

ALU. REAR ARM JOINT HOLDER

127004 8X7.5X3
127005 9X8X3



SUSPENSION ARM SILICON O-RING



SUSPENSION SPRING

number	specifications	apply
129250	1.2 * 21 * 5.0 RD 2.0KG	124000/
129255	1.2 * 21 * 5.5 SR 1.8KG	243000/
129260	1.2 * 21 * 6.0 YE 1.6KG	124249
129265	1.2 * 21 * 6.5 BL 1.4KG	

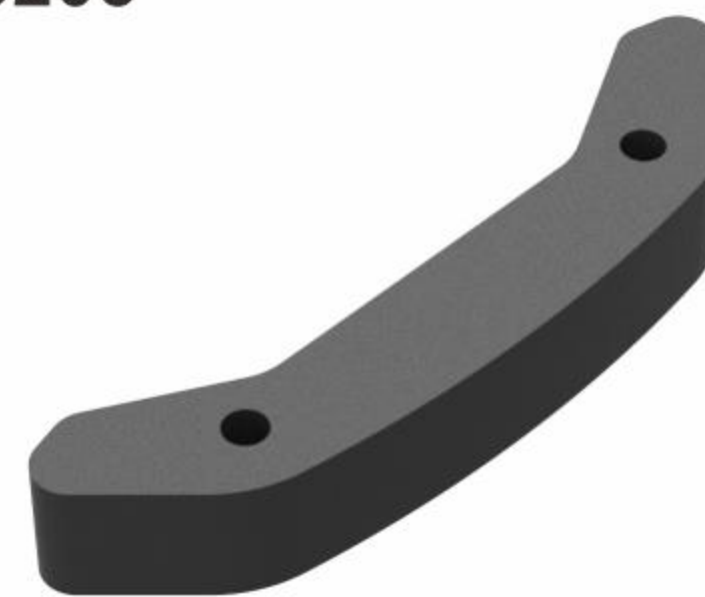
SUSPENSION SPRING

number	specifications	apply
129450	1.4 * 21 * 5.0 RD 3.5KG	124000/
129455	1.4 * 21 * 5.5 SR 3.0KG	243000/
129460	1.4 * 21 * 6.0 YE 2.5KG	124249
129465	1.4 * 21 * 6.5 BL 2.0KG	

SUSPENSION SPRING

number	specifications	apply
129550	1.5 * 21 * 5.0 RD 4.5KG	124000/
129555	1.5 * 21 * 5.5 GN 4.0KG	243000/
129560	1.5 * 21 * 6.0 YE 3.5KG	124249
129565	1.5 * 21 * 6.5 BL 3.0KG	

128205



FOAM BUMPER

161112



METAL GEAR S2 3.1

OPTIONAL GEAR DIFFERENTIAL - SET

161113



S2 3.1

GEAR DIFFERENTIAL - SET

163130



3.1 S2

UNIVERSAL CVD DRIVE SHAFT-STEEL

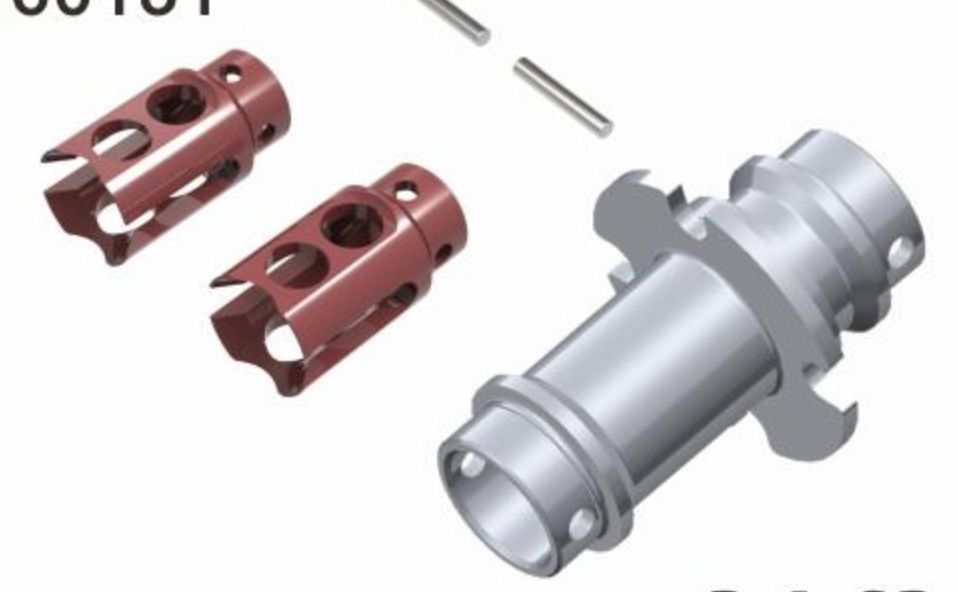
163131



3.1 S2

FRONT SOLID AXLE SPOOL OUTDRIVE- SPRING STEEL

160131



3.1 S2

FRONT SOLID AXLE SET-SPRING STEEL

900100



THE DIFFERENTIAL OIL

900050



SHOCK ABSORBER OIL

909001



GRAPHITE OIL

916205



M2X5

HEX SOCKET CAP SCREWS

915325 M3*2.5
915304 M3*4
915306 M3*6
915308 M3*8
915310 M3*10
915312 M3*12
915314 M3*14



HEX SET SCREW

918256 M2.5*6
918258 M2.5*8
918112 M2.5*12
918210 M2*10
918110 M2.5*10



HEX SCREW ROUND HEAD

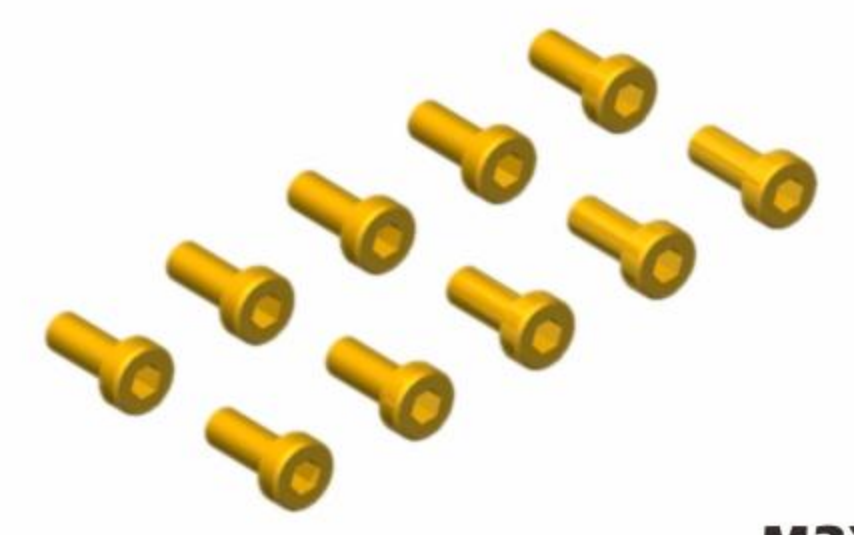
917256 M2.5*6
917258 M2.5*8

917304 M3*4
917306 M3*6
917308 M3*8
917310 M3*10
917312 M3*12
917314 M3*14
917316 M3*16



HEX SCREW FLAT HEAD

916205-GD



M2X5

HEX SOCKET CAP SCREW

915325-GD M3x2.5
915304-GD M3x4
915306-GD M3x6
915308-GD M3x8
915310-GD M3x10
915312-GD M3x12
915314-GD M3x14
915408-GD M4x8



HEX SET SCREW

918256-GD M2.5x6
918112-GD M2.5x12
918210-GD M2x10
918110-GD M2.5*10
918304-GD M3x4
918305-GD M3x5
918306-GD M3x6
918308-GD M3x8
918310-GD M3x10
918312-GD M3x12
918314-GD M3x14
918316-GD M3x16



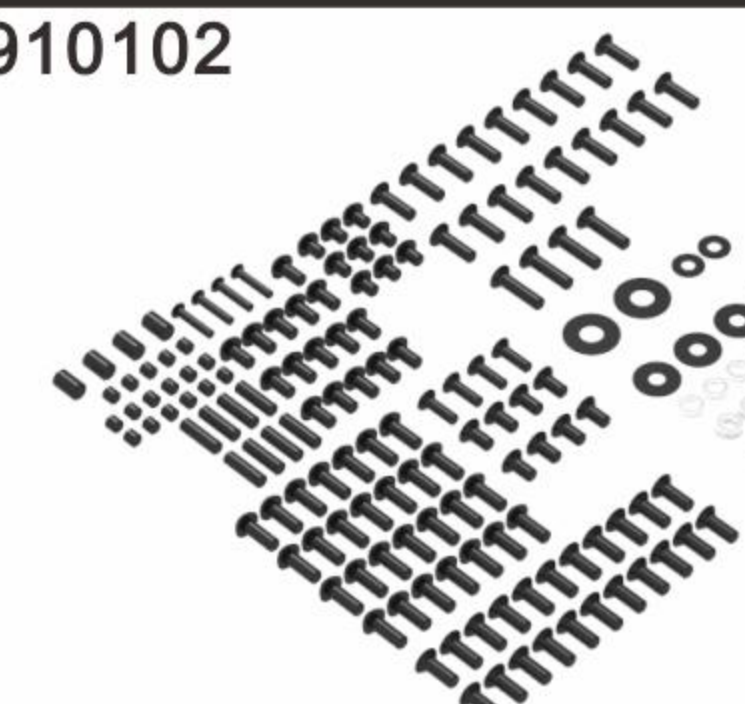
HEX SCREW ROUND HEAD

917256-GD M2.5*6
917258-GD M2.5*8
917304-GD M3*4
917306-GD M3*6
917308-GD M3*8
917310-GD M3*10
917312-GD M3x12
917314-GD M3x14
917316-GD M3x16



HEX SCREW FLAT HEAD

910102



WHOLE CAR SCREW

1/10 ELECTRIC TOURING CAR

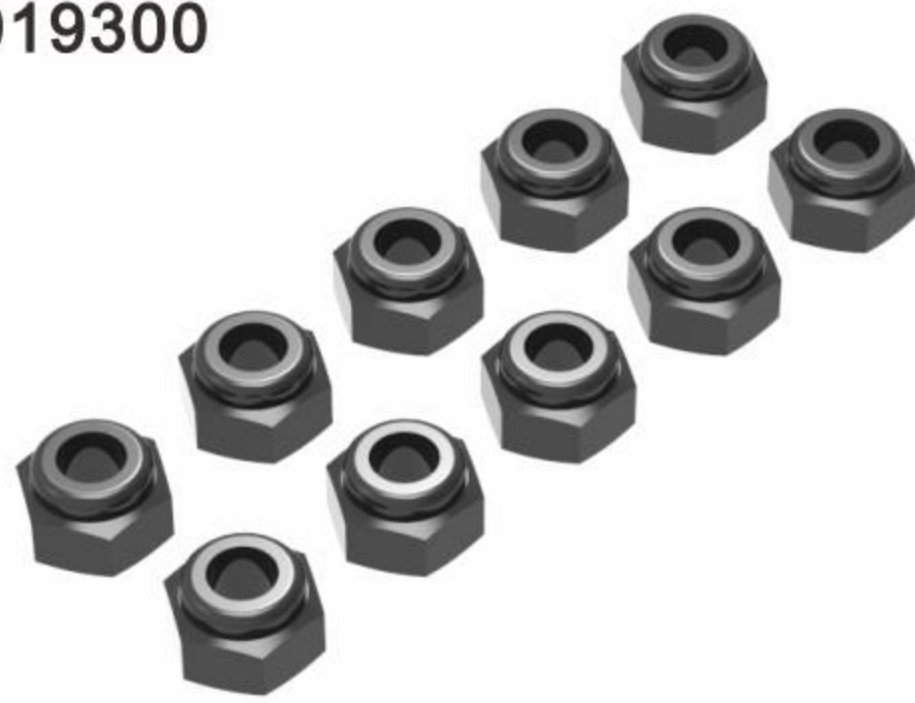


910103-GD



ALL METAL SCREW

919300



NUT M3

919301



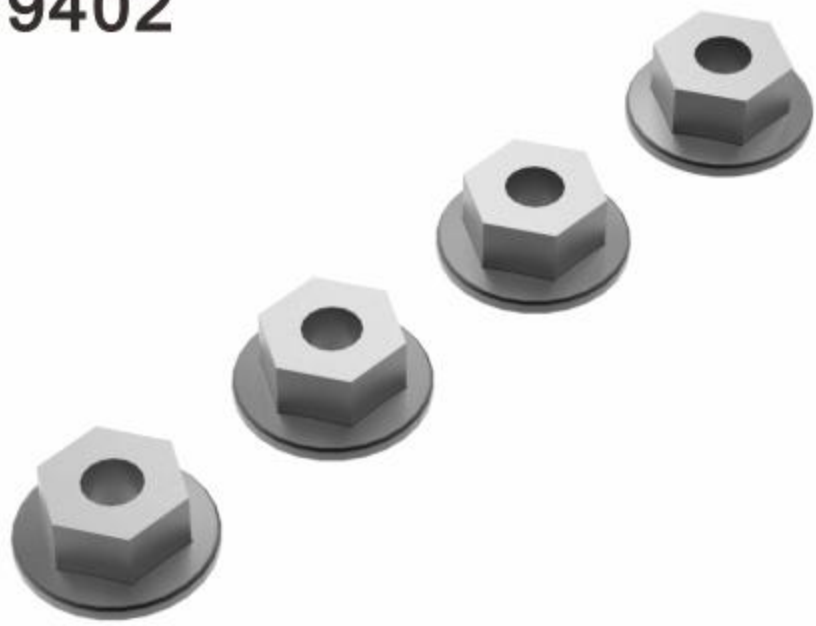
NUT M3 WITH SERRATED FLANGE

919401



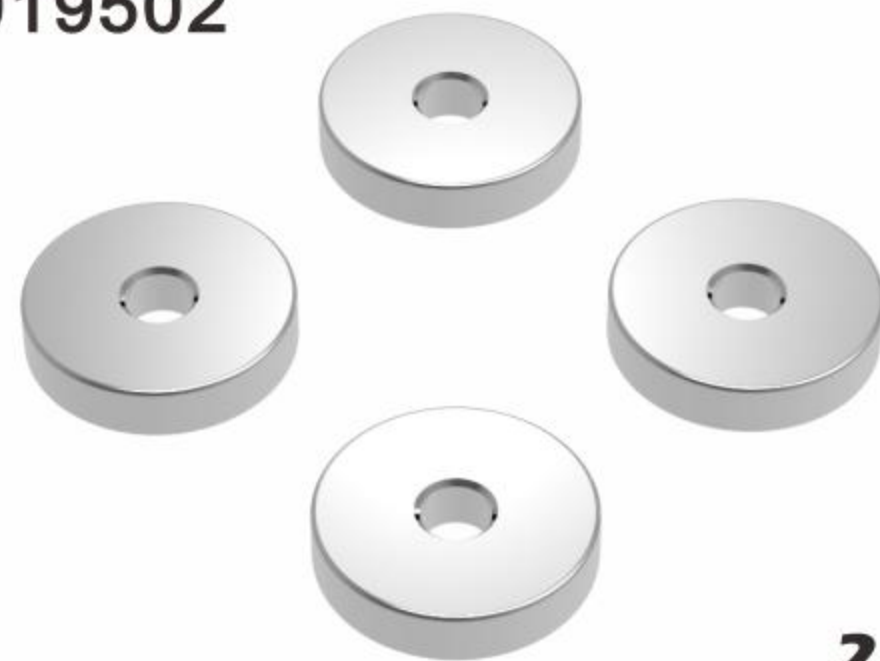
NUT M4 WITH SERRATED FLANGE

919402



ALU WHEEL LOCK NUT M4

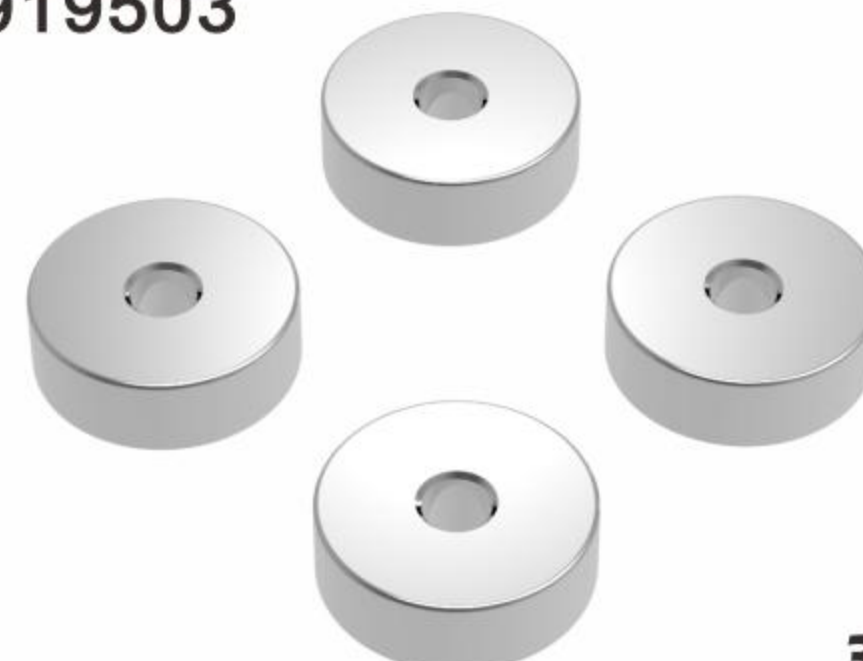
919502



2g

ROUND SHAPE BALANCE WEIGHT

919503



3g

ROUND SHAPE BALANCE WEIGHT

919505



5g

ROUND SHAPE BALANCE WEIGHT

919510



10g

ROUND SHAPE BALANCE WEIGHT

920318 18MM
920320 20MM
920322 22MM
920324 24MM
920328 28MM
920332 32MM
920336 36MM
920340 40MM
920345 45MM



S2

ADJ. TURNBUCKLE L SPRING STEEL

924900



PIVOT BALL 4.9MM DOUBLE BELVE SHOULDERS

924904



4.9*4MM

BALL END 4.9MM WITH THREAD

924906



4.9*6MM

BALL END 4.9MM WITH THREAD

924908



4.9*8MM

BALL END 4.9MM WITH THREAD

924910



4.9*10MM

BALL END 4.9MM WITH THREAD

925800



5.8

BALL UNIVERSAL 5.8MM HEX

925801



5.8 H3.0

BALL UNIVERSAL 5.8MM HEX

925806



5.8*6MM

BALL END 5.8MM WITH THREAD

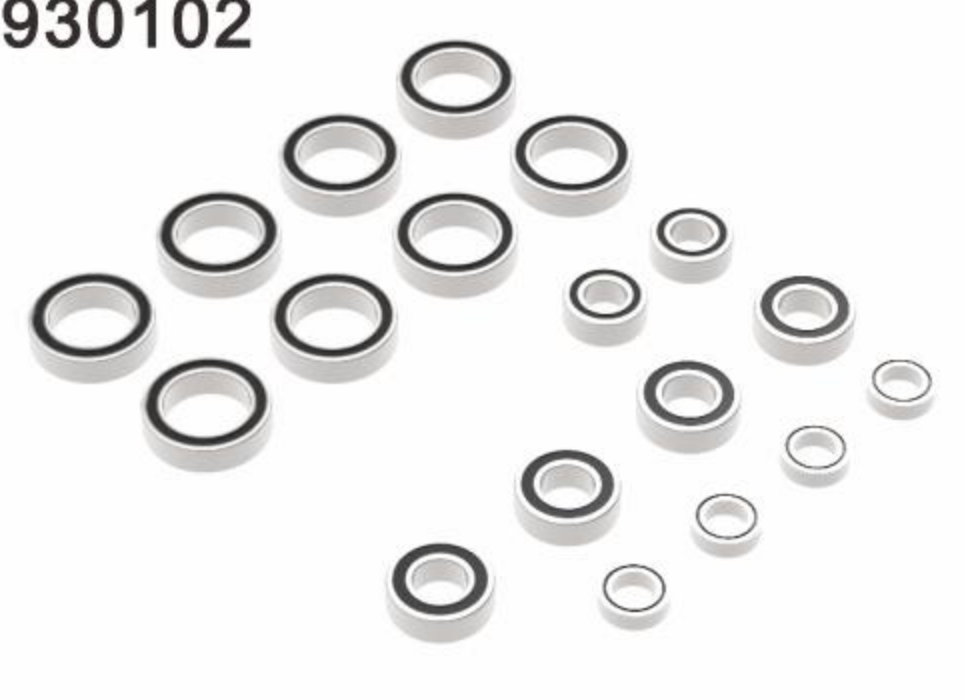
925808



5.8*8MM

BALL END 5.8MM WITH THREAD

930102



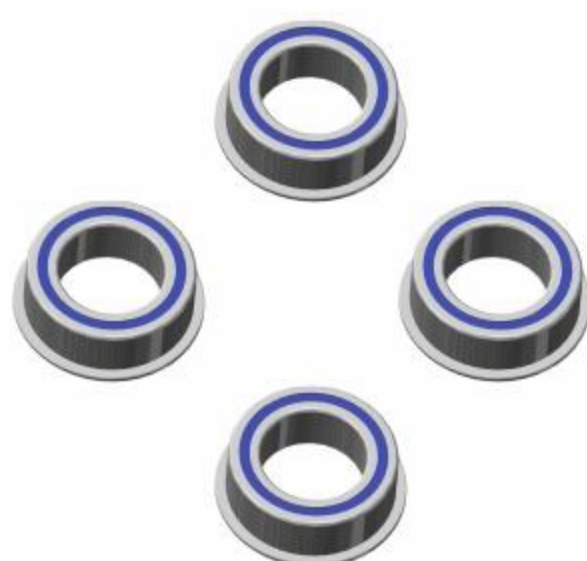
WHOLE VEHICLE BEARING

930306 3x6x2.5
930508 5x8x2.5
930510 5x10x4
930612 6x12x4
931015 10x15x4



BALL-BEARING

930518



F5x8x2.5

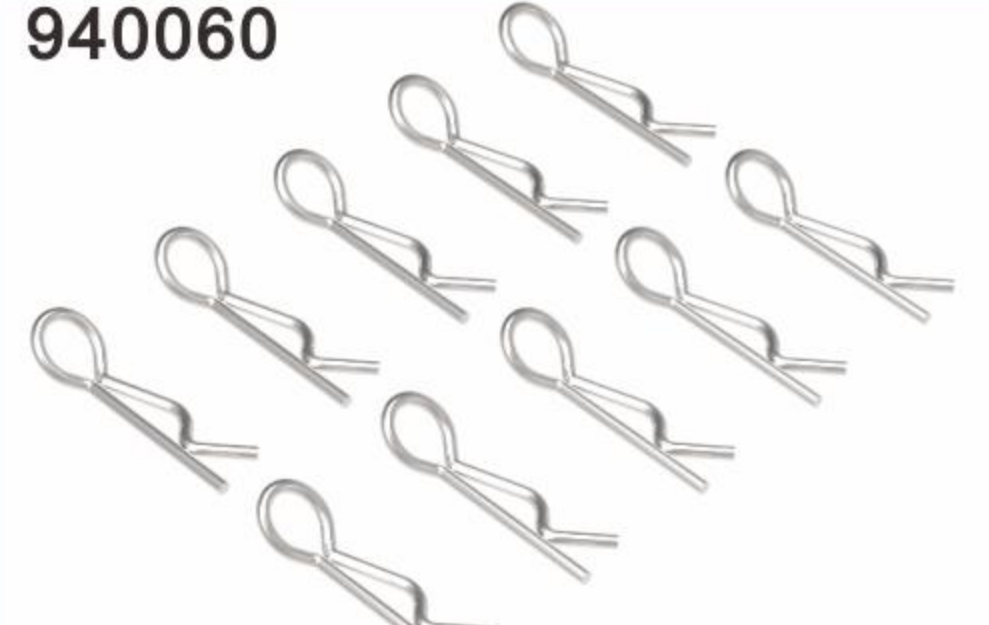
BALL-BEARING FLANGED

940025 2.5
940040 4.0



E-CLIP

940060

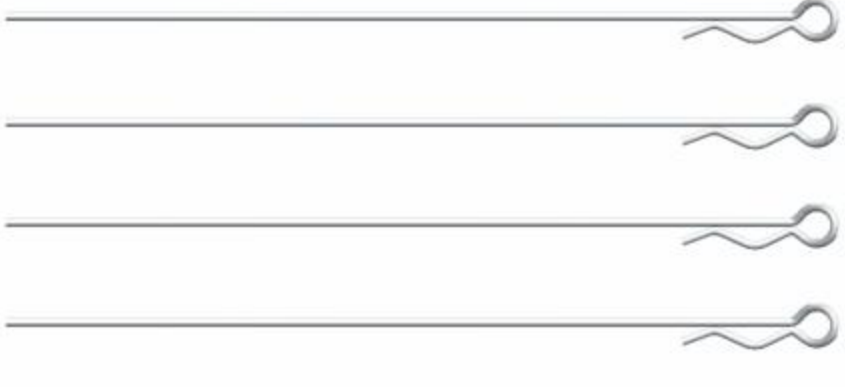
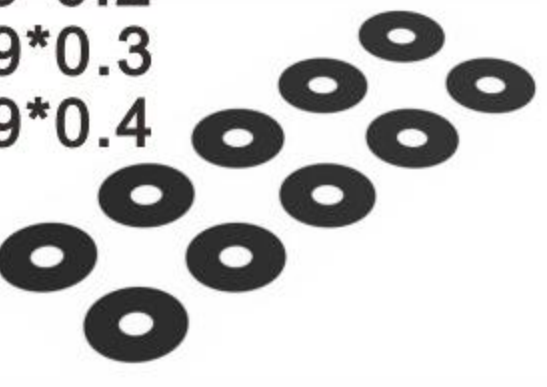
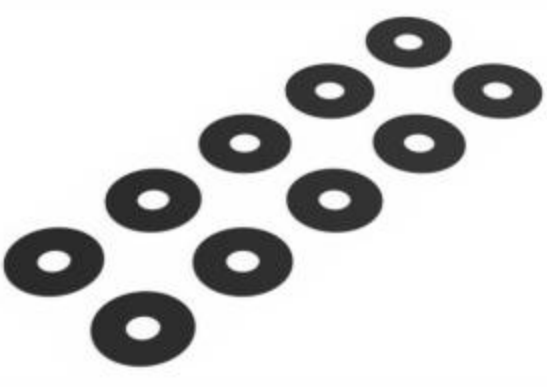



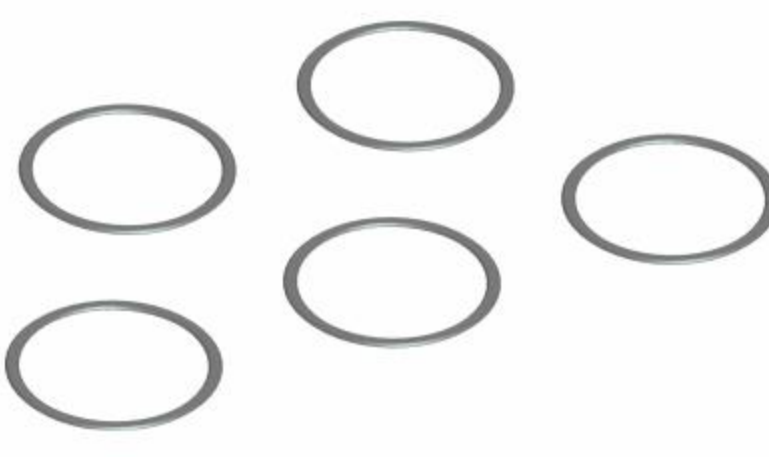
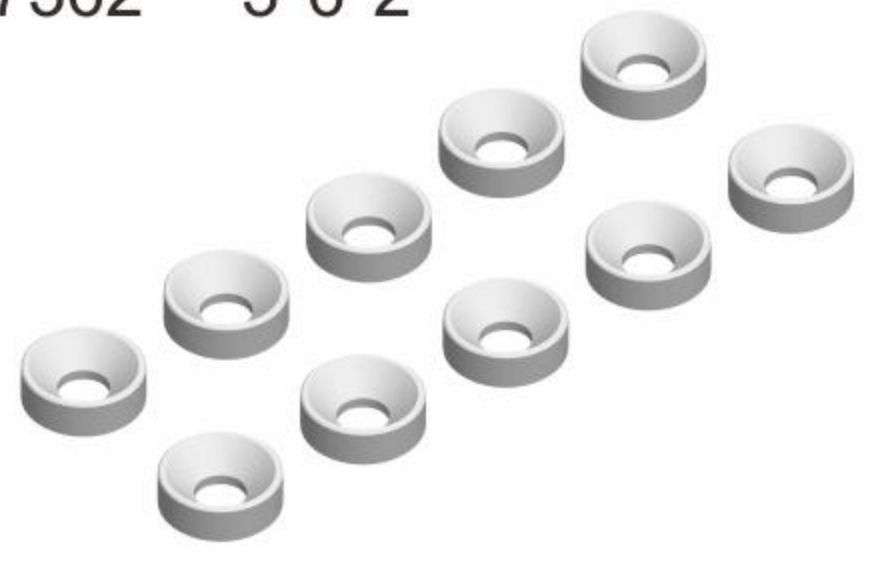


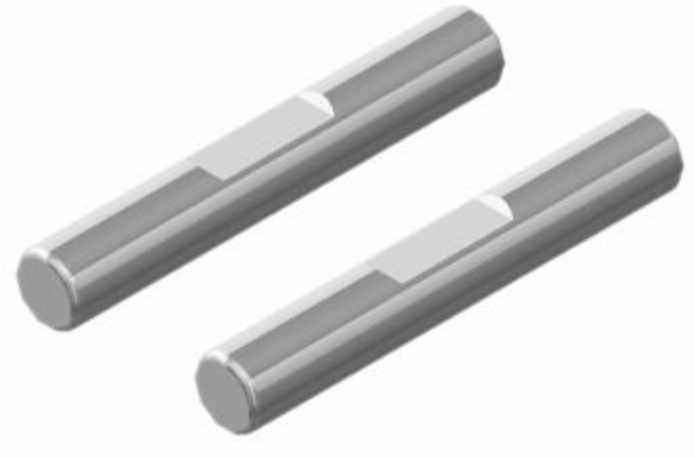
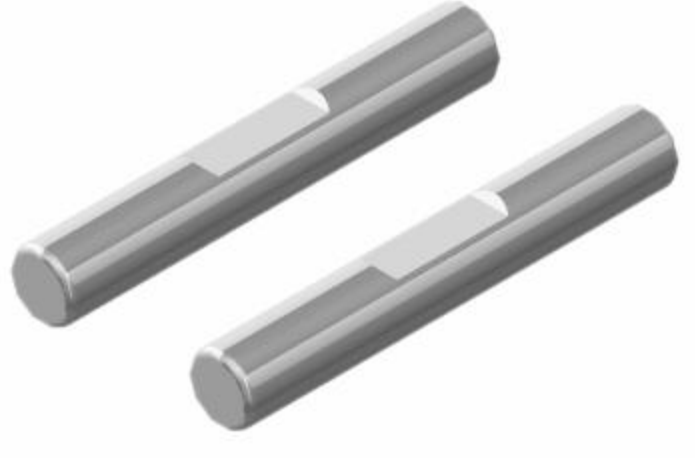

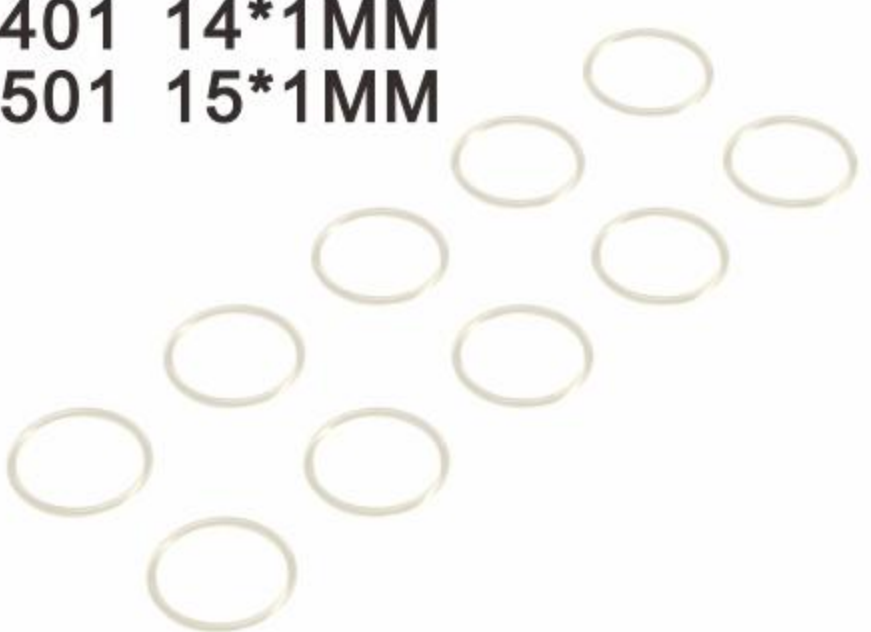
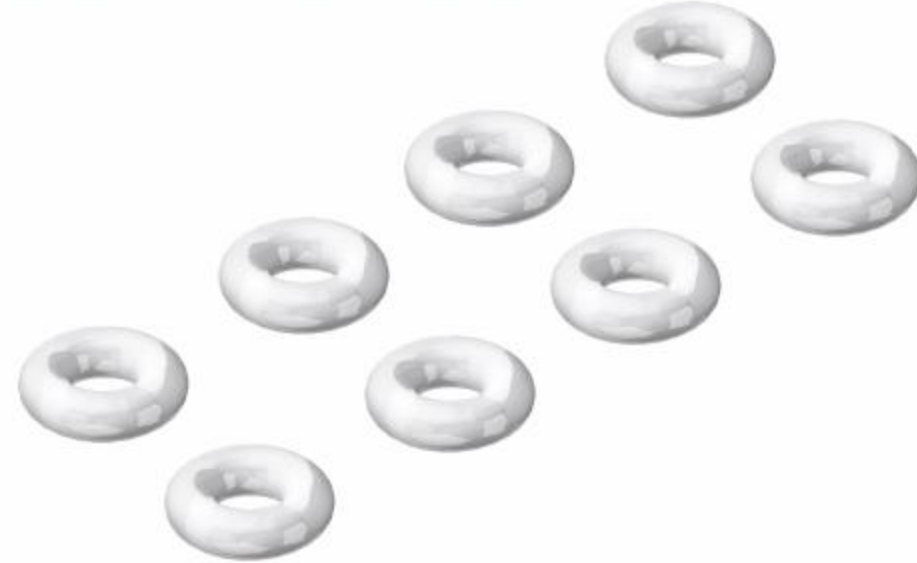

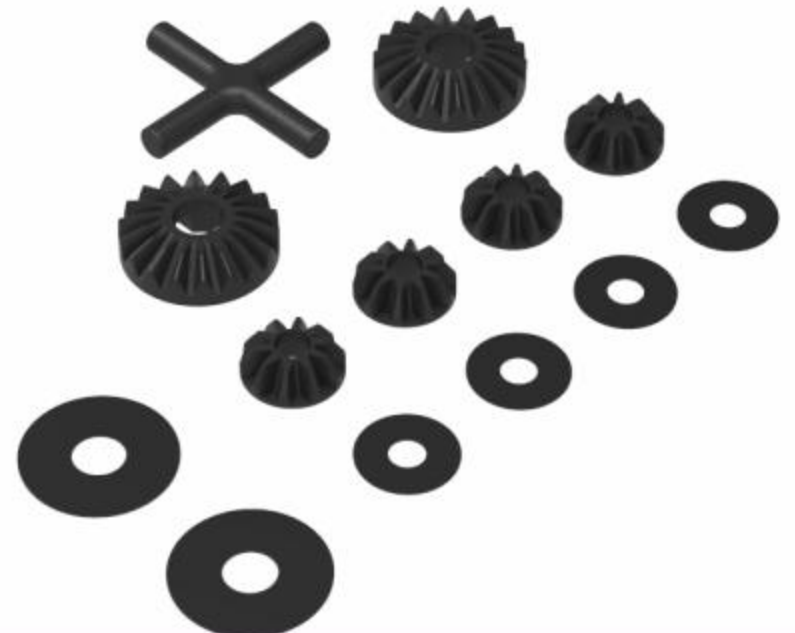




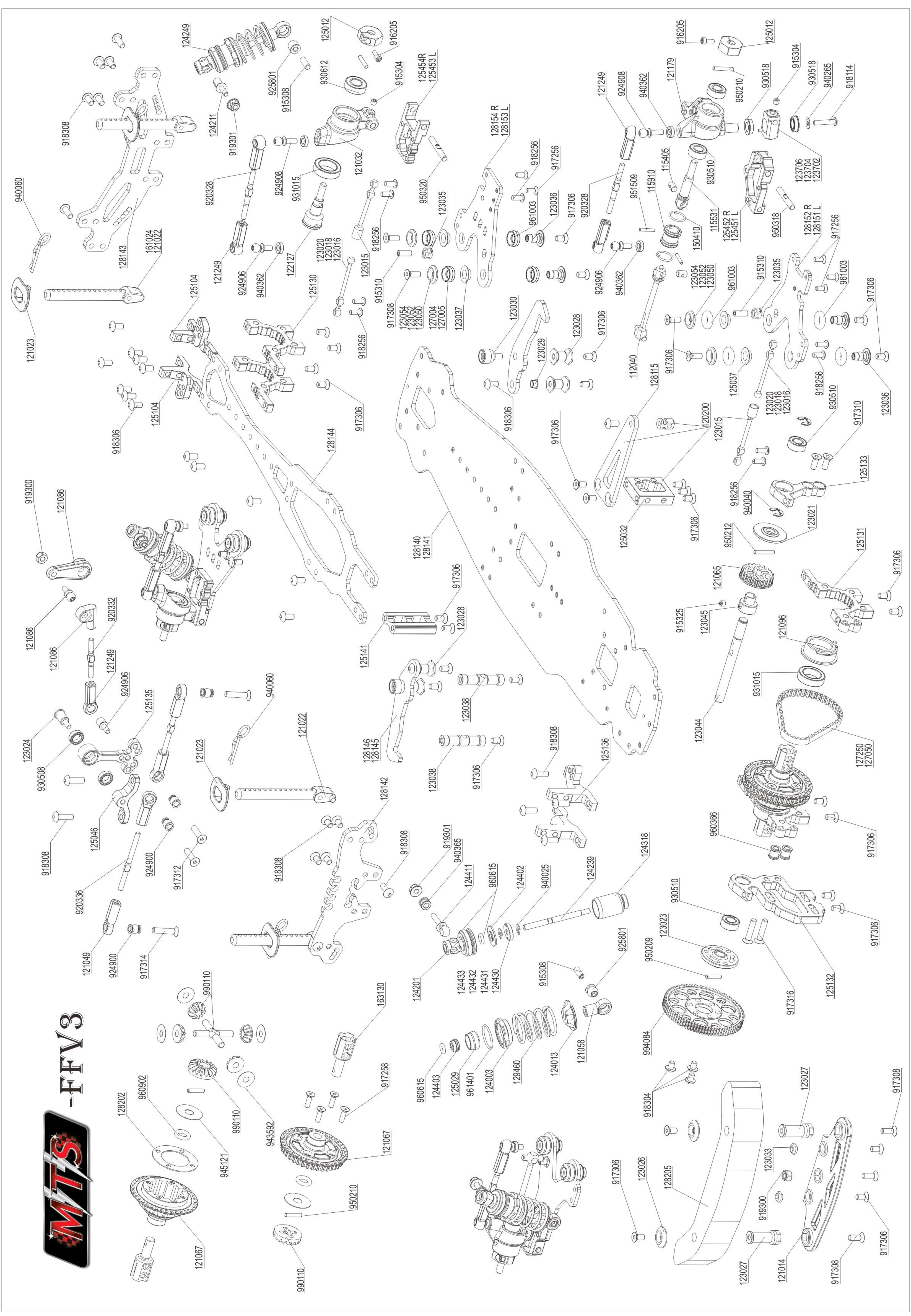
6MM

BODY CLIP

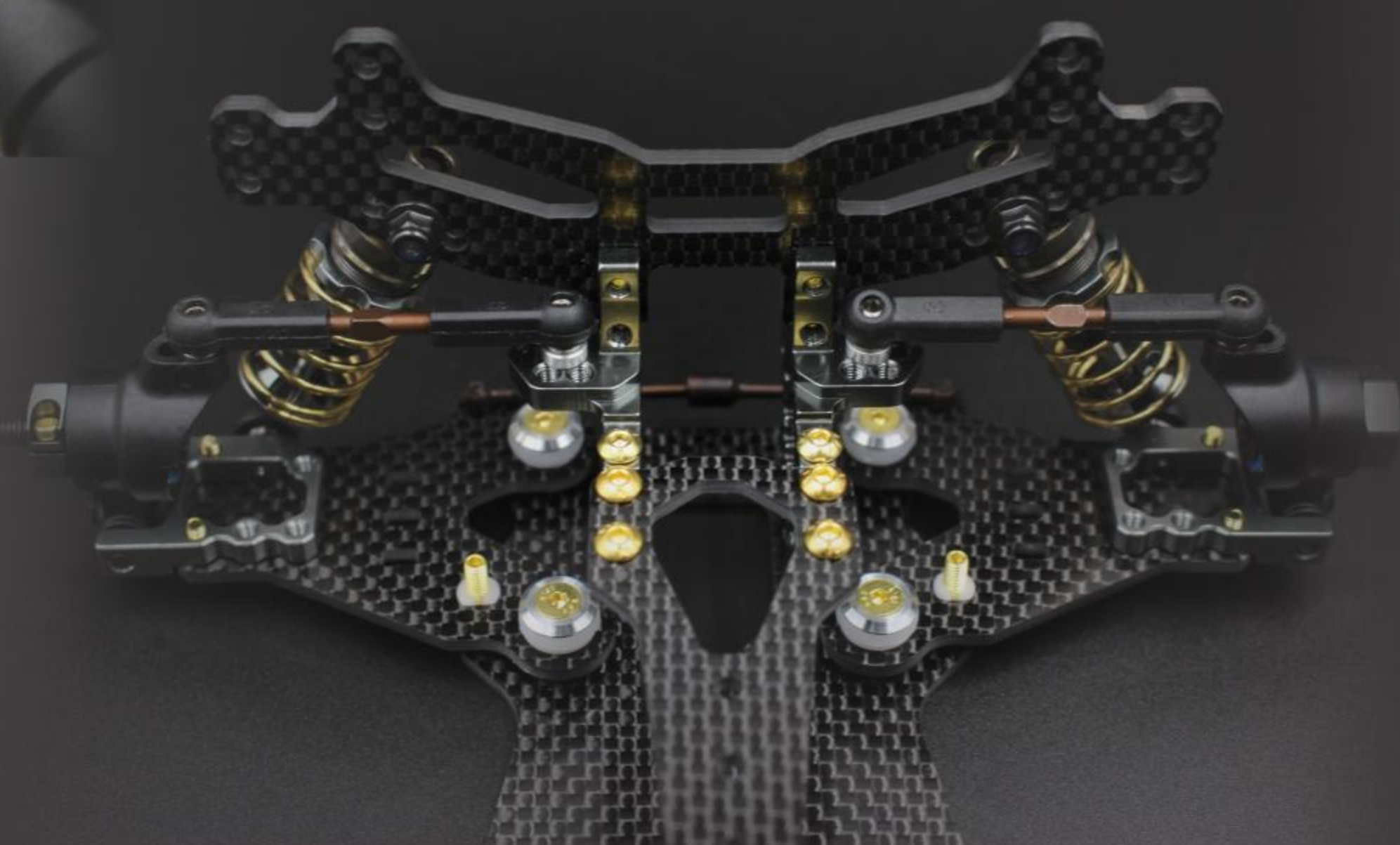
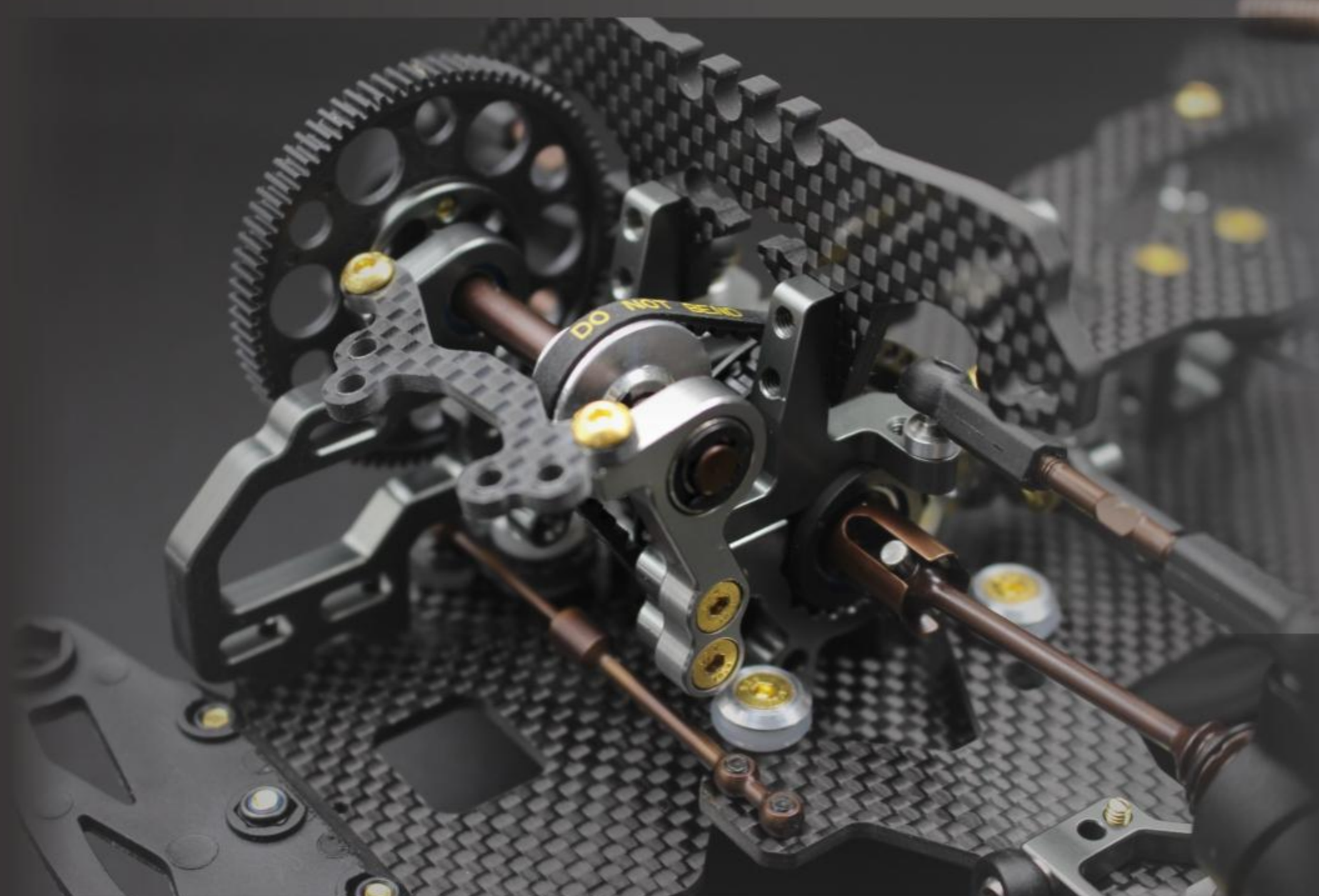
1/10 ELECTRIC TOURING CAR



<p>940100</p>  <p>6MM</p> <p>LONG BODY CLIP</p>	<p>940265 2.6*6*0.5 940272 2.6*7*0.2 940373 3*7*0.3 940375 3*7*0.5 943592 3.5*9*0.2 943593 3.5*9*0.3 943594 3.5*9*0.4</p>  <p>WASHER S</p>	<p>945121 5*12*0.1 945122 5*12*0.2 945123 5*12*0.3</p>  <p>WASHER S</p>	<p>940361 3*6*1 940362 3*6*2 940363 3*6*3 940364 3*6*4 940365 3*6*5 940367 3*6*1.5</p>  <p>ALU WASHER</p>
<p>940366 3*6*6</p>  <p>ALU WASHER</p>	<p>940391 3*9*1 940392 3*9*2</p>  <p>ALU WASHER</p>	<p>941502 12*14.8*0.2 941503 12*14.8*0.3</p>  <p>WASHER S</p>	<p>947262 2.5*6*2 947362 3*6*2</p>  <p>ALU WASHER SFH SCREW FLAT HEAD</p>
<p>948362 3*6*2</p>  <p>ALU CONICAL SHIM</p>	<p>951509 1.5*9 951510 1.5*9.8 950209 2*9 950210 2*9.8 950212 2*12 950312 3*12</p>  <p>PIN</p>	<p>950318</p>  <p>3x18MM</p> <p>FRONT PIVOT PIN</p>	<p>950320</p>  <p>3x20MM</p> <p>REAR UPRIGHT PIVOT PIN</p>
<p>960615 6*1.5MM 960702 7*2MM 960902 9*2MM</p>  <p>SILICONE O-RING</p>	<p>961301 13*1MM 961401 14*1MM 961501 15*1MM</p>  <p>RAS-Shock Upper O-ring</p>	<p>960925 9*2.5MM 961003 10*3MM</p>  <p>Silicon O-ring</p>	<p>990111</p>  <p>PLANETARY GEAR SET - HARD COATED</p>
<p>990110</p>  <p>PLANETARY GEAR SET - PLASTIC</p>	<p>994018 18T 994019 19T 994020 20T 994021 21T 994022 22T 994023 23T 994024 24T 994025 25T 994026 26T 994027 27T 994028 28T 994029 29T 994030 30T</p>  <p>48P</p> <p>PINON GEAR ALU HARD COATED</p>	<p>994072 72T/48P 994084 84T/48P 994087 87T/48P 994084-WH 84T/48P 994087-WH 87T/48P</p>  <p>SPUR GEAR</p>	



MTS -FFV3



RACE OPT

SNRC

WWW.RACE-OPT.COM

ENQUIRY@RC-EXPLORER.COM

WWW.SN-RC.COM

S.N.MODEL@163.COM

SALE@SN-RC.COM



NUMBER :130003

MADE IN CHINA