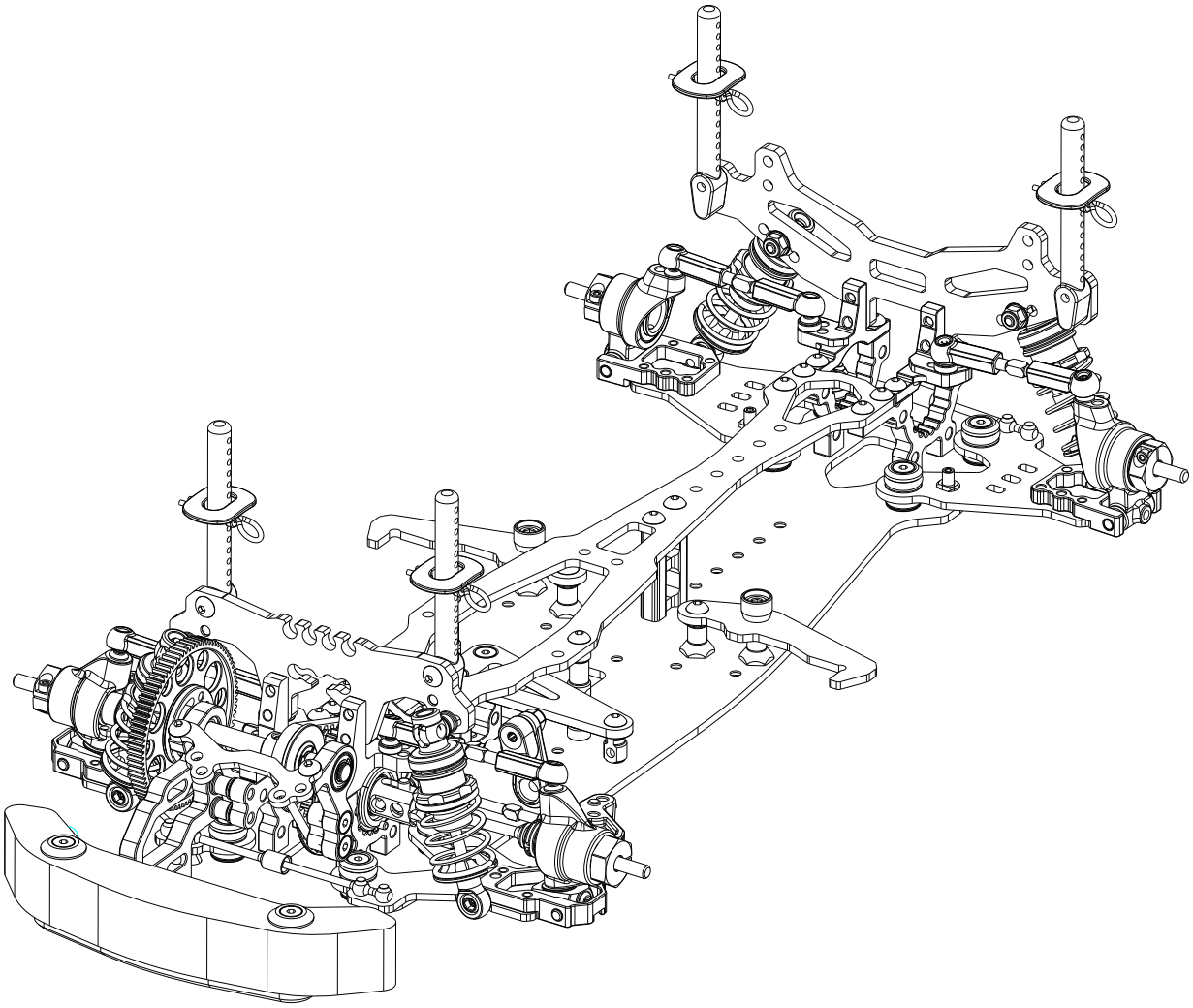
1/10 Electric FFV3 Pro Car Kit

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.

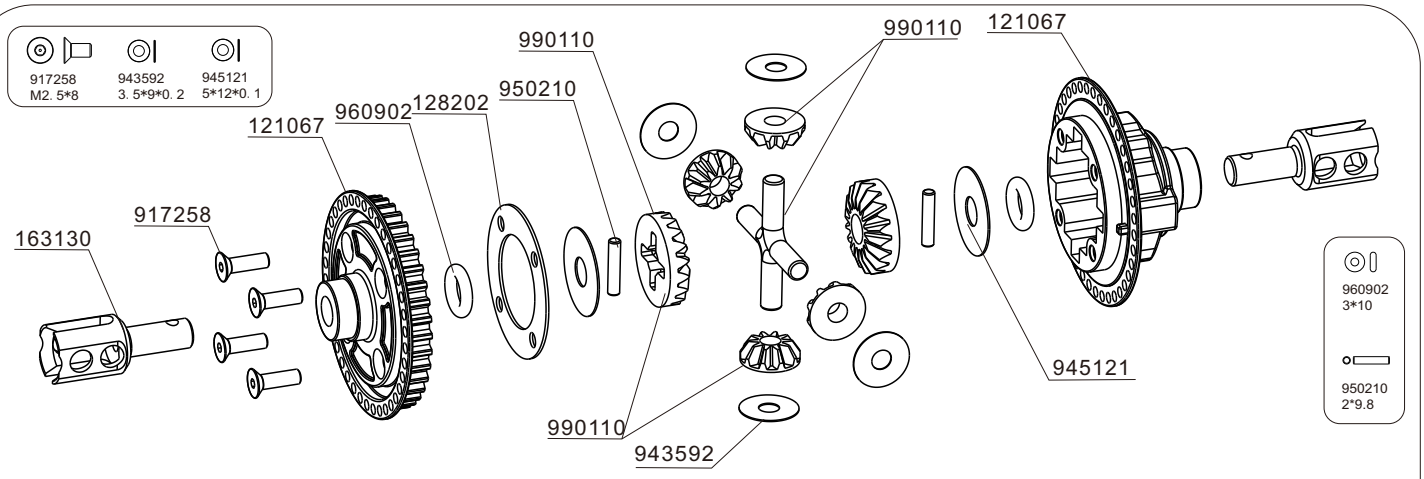
Other Equipment Needed (not included):

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):

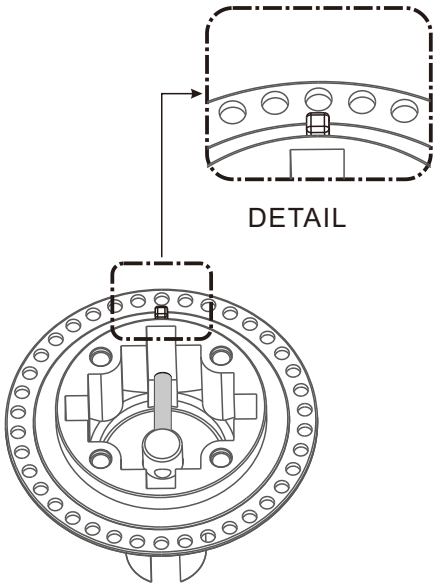
1.5mm, 2.0mm, 2.5mm allen wrench	5.0mm, 5.5mm, 7.0mm hex socket wrench
Modelers craft knife	Turnbuckle wrench
Calipers/Ruler	Camber gauge
Instant glue/Thread lock glue	Shock and Diff Oil
Thrust, Diff and Joint grease	Paint for body shell

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



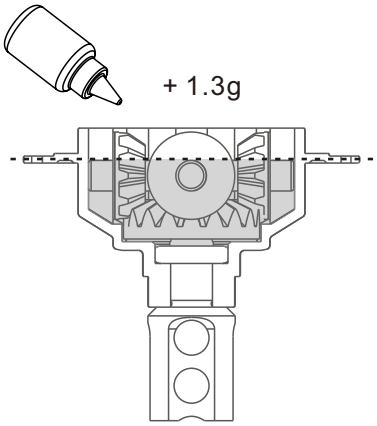
943592 WASHER S 3. 5x9x0. 2
945121 WASHER S 5x12x0. 1
163130 UNIVERSAL CVD DRIVE SHAFT-SPRING STEEL 3.1 S2

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

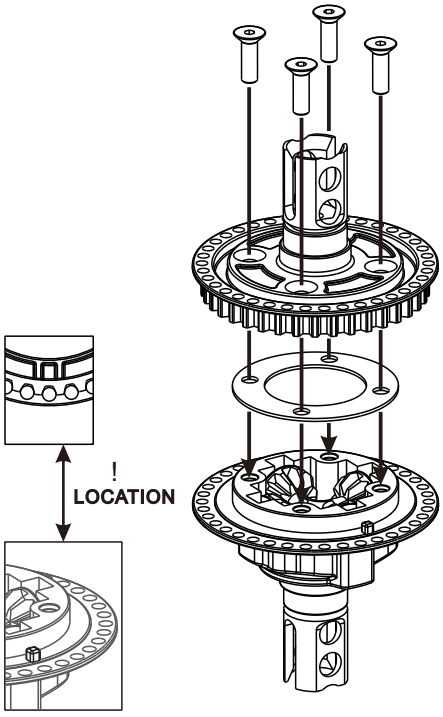


Low-Traction
500 cst

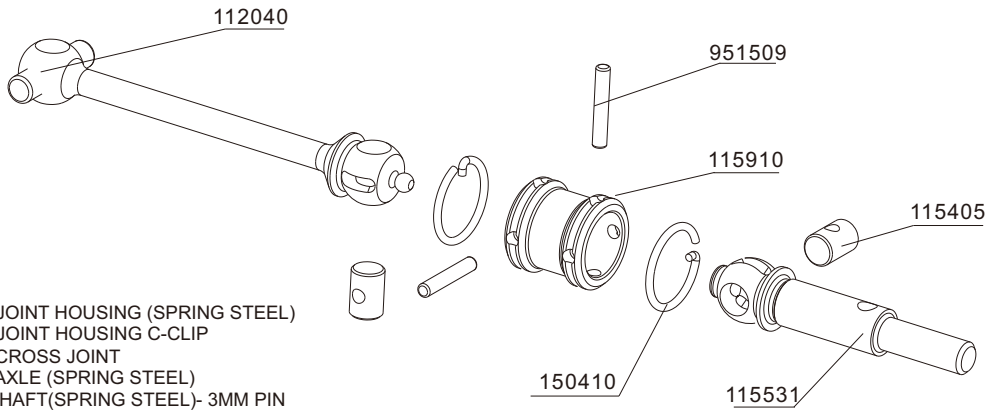
High-Traction
1000 cst



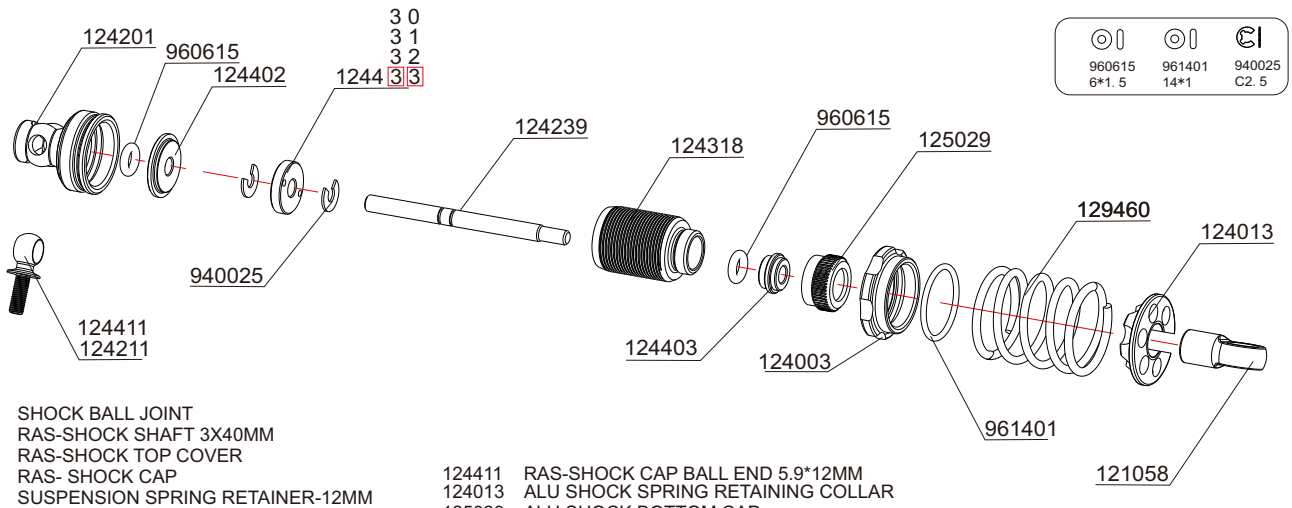
Add 1.3g of oil the diff.





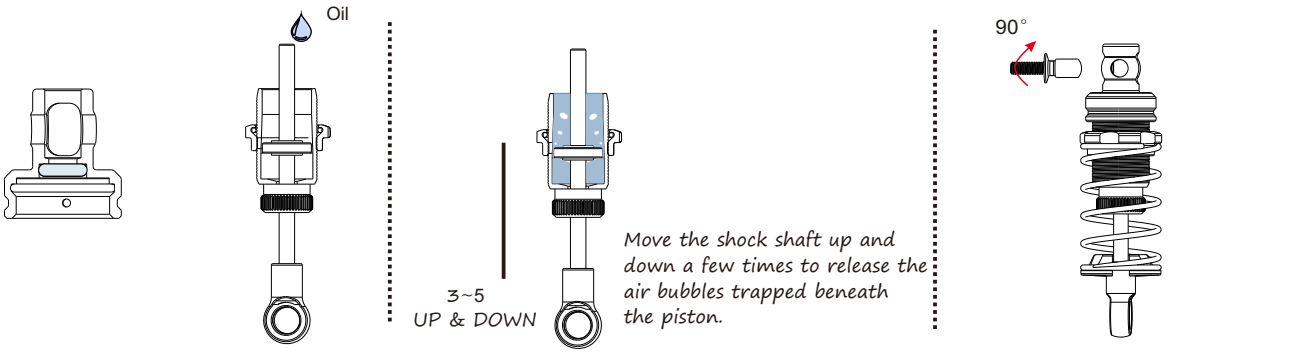


115910 UNIVERSAL DRIVE SHAFT JOINT HOUSING (SPRING STEEL)
150410 UNIVERSAL DRIVE SHAFT JOINT HOUSING C-CLIP
115405 UNIVERSAL DRIVE SHAFT CROSS JOINT
115531 UNIVERSAL DRIVE SHAFT AXLE (SPRING STEEL)
112040 40MM UNIVERSAL DRIVE SHAFT(SPRING STEEL)- 3MM PIN

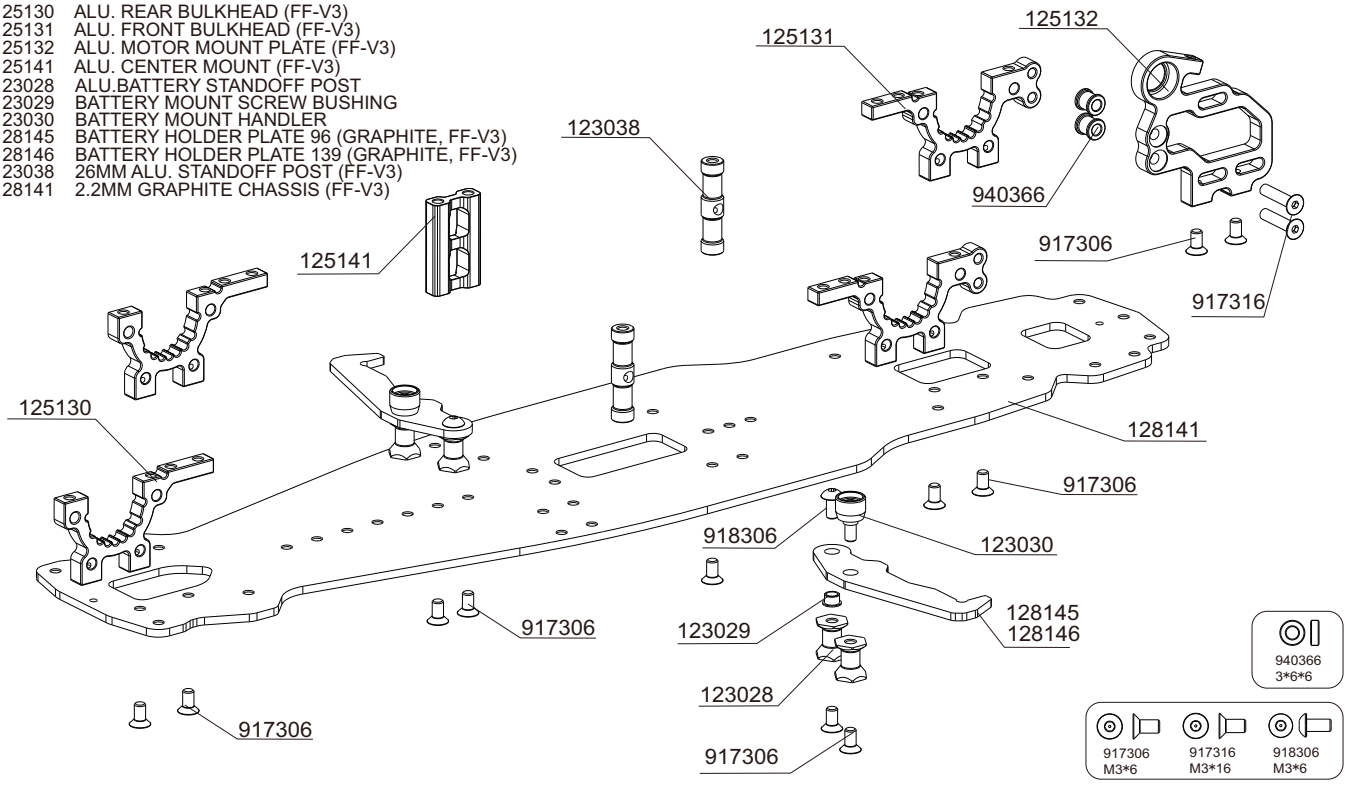


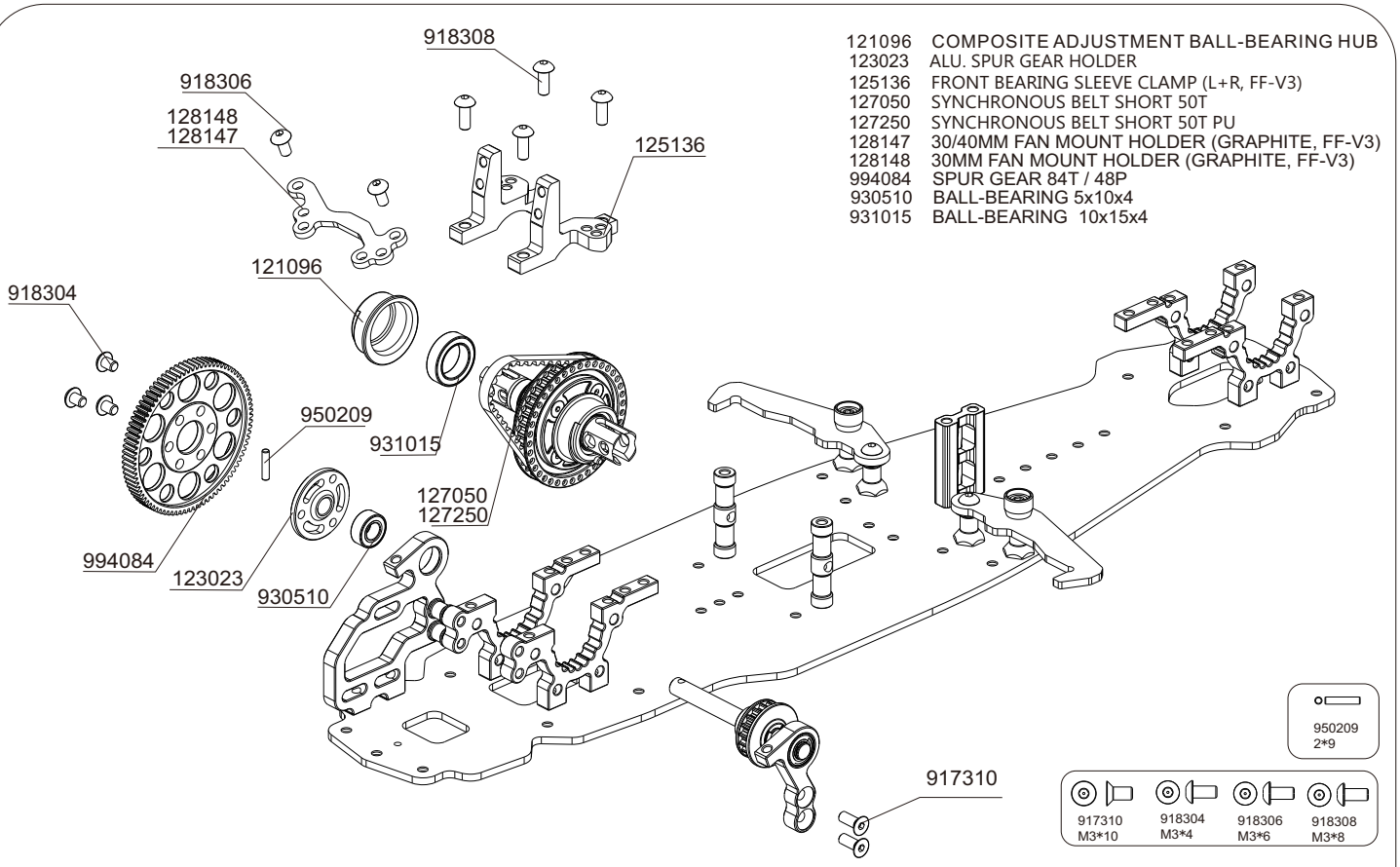
121058 SHOCK BALL JOINT
124239 RAS-SHOCK SHAFT 3X40MM
124402 RAS-SHOCK TOP COVER
124201 RAS- SHOCK CAP
124003 SUSPENSION SPRING RETAINER-12MM
124318 RAS SHOCK BODY(12*18MM)
124433 COMPOSITE PISTONS 3-HOLE
124211 RAS-SHOCK CAP BALL END 5.9*7MM

124411 RAS-SHOCK CAP BALL END 5.9*12MM
124013 ALU SHOCK SPRING RETAINING COLLAR
125029 ALU SHOCK BOTTOM CAP
124403 RAS-SHOCK BOTTOM COVER
129460 1.4*21*6.0 SUSPENSION SPRING YE 2.5KG



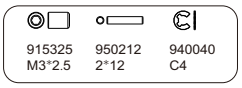
125130 ALU. REAR BULKHEAD (FF-V3)
125131 ALU. FRONT BULKHEAD (FF-V3)
125132 ALU. MOTOR MOUNT PLATE (FF-V3)
125141 ALU. CENTER MOUNT (FF-V3)
123028 ALU.BATTERY STANDOFF POST
123029 BATTERY MOUNT SCREW BUSHING
123030 BATTERY MOUNT HANDLER
128145 BATTERY HOLDER PLATE 96 (GRAPHITE, FF-V3)
128146 BATTERY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

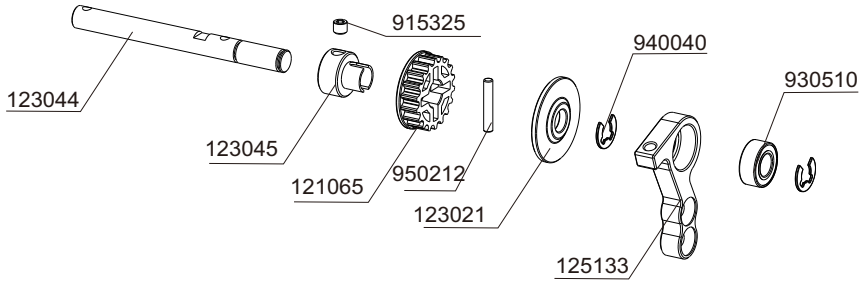




121096 COMPOSITE ADJUSTMENT BALL-BEARING HUB
123023 ALU. SPUR GEAR HOLDER
125136 FRONT BEARING SLEEVE CLAMP (L+R, FF-V3)
127050 SYNCHRONOUS BELT SHORT 50T
127250 SYNCHRONOUS BELT SHORT 50T PU
128147 30/40MM FAN MOUNT HOLDER (GRAPHITE, FF-V3)
128148 30MM FAN MOUNT HOLDER (GRAPHITE, FF-V3)
994084 SPUR GEAR 84T / 48P
930510 BALL-BEARING 5x10x4
931015 BALL-BEARING 10x15x4

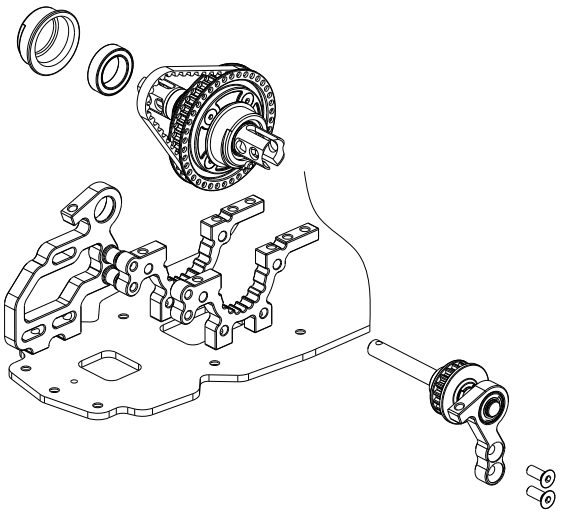
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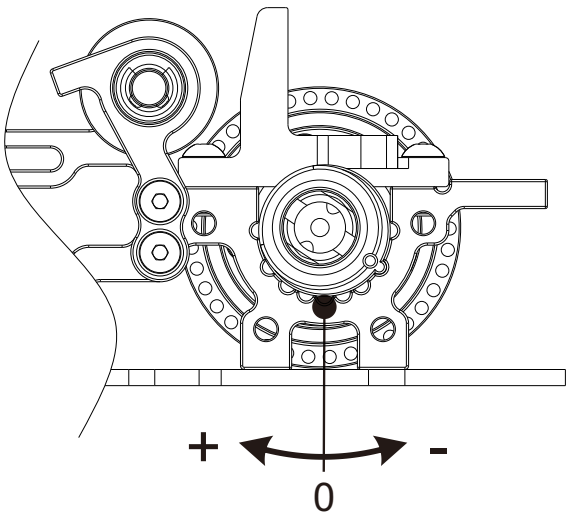


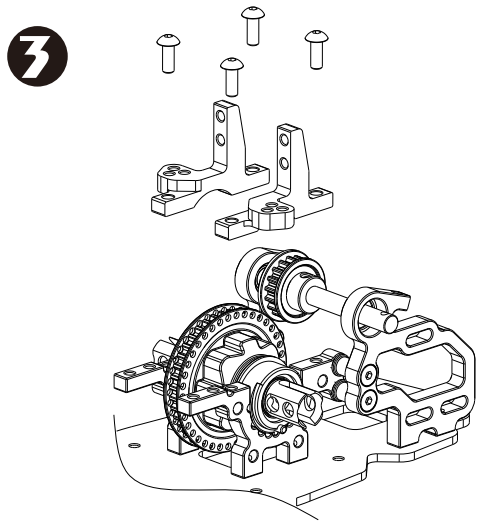


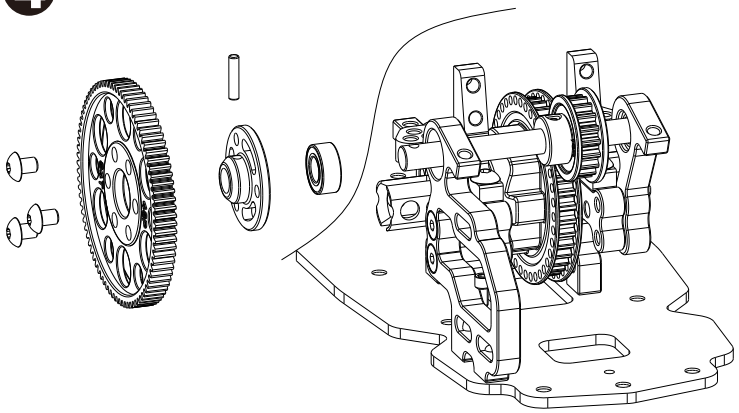
125133 ALU. SPUR GEAR SHAFT MOUNT (FF-V3)
123021 PULLEY HOLDER COLLAR
123044 53MM ALU. FRONT PULLEY SHAFT (FF-V3)
123045 FRONT PULLEY HOLDER BUSHING (FF-V3)
121065 FIXED PULLEY 20T

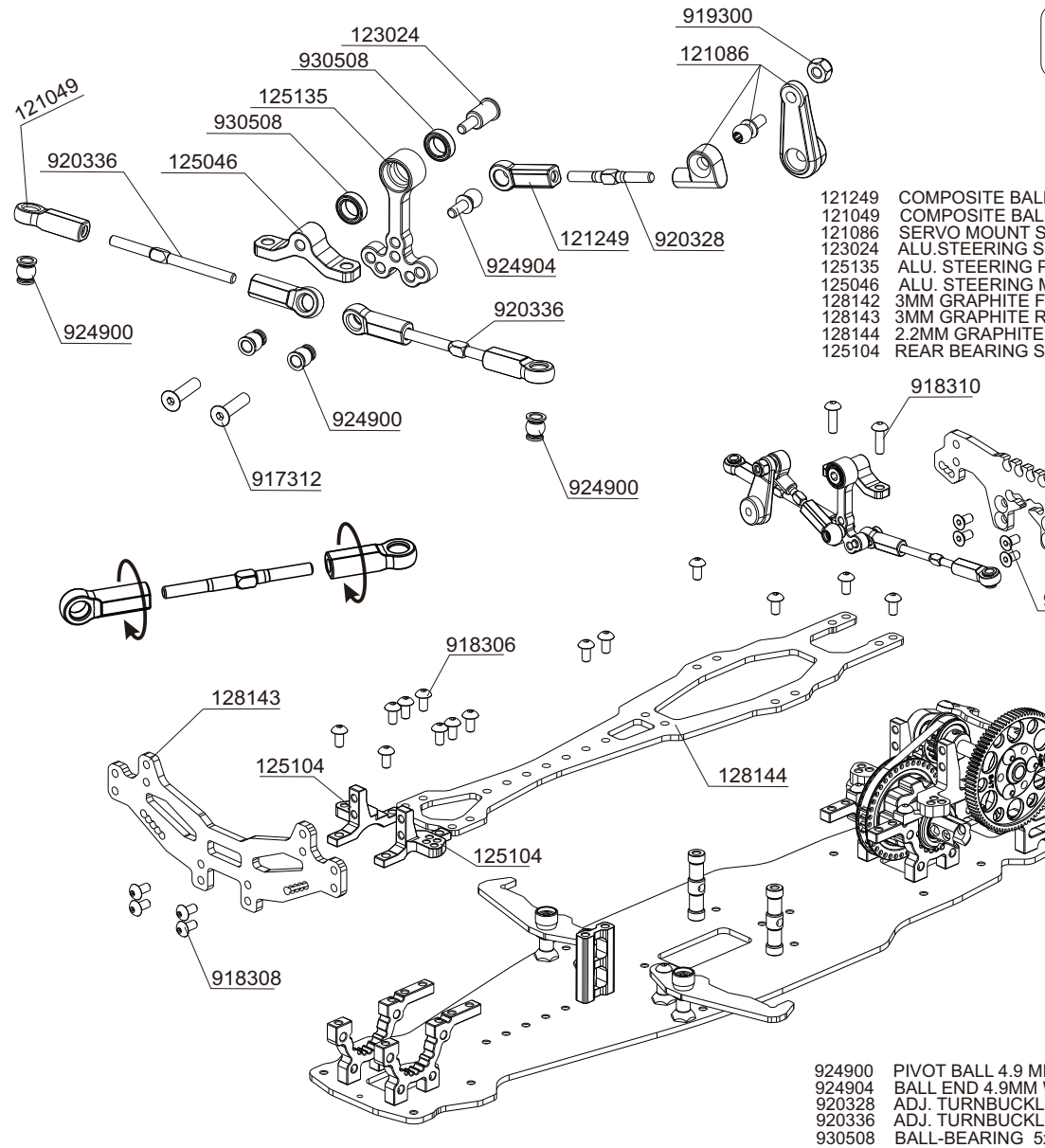
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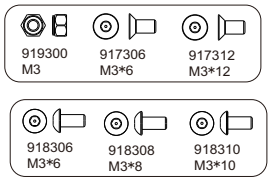








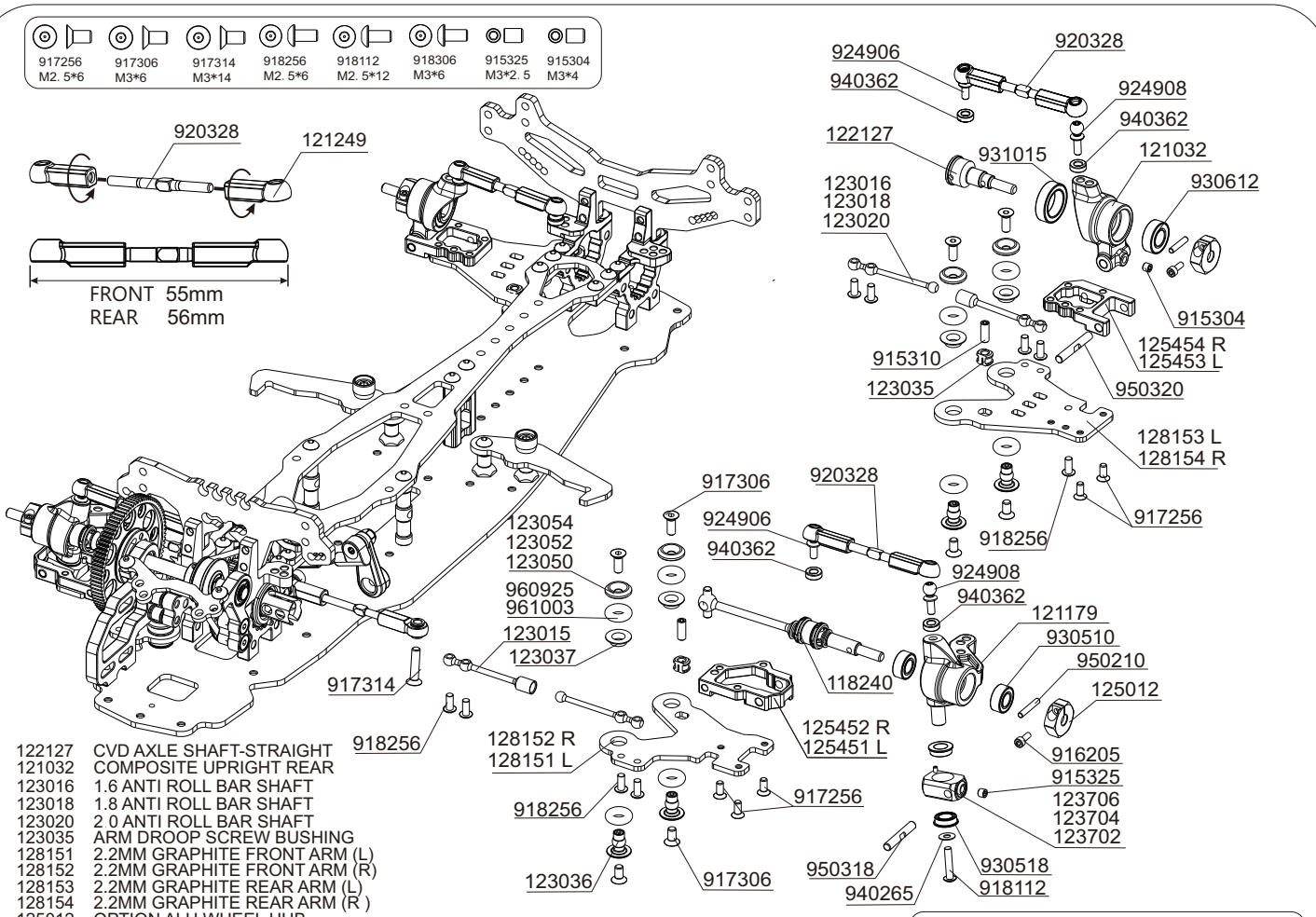




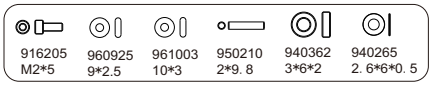
121249 COMPOSITE BALL JOINT 4.9MM
121049 COMPOSITE BALL JOINT 4.9MM - OPEN
121086 SERVO MOUNT SET
123024 ALU.STEERING SHAFT
125135 ALU. STEERING PLATE (FF-V3)
125046 ALU. STEERING MOUNT HOLDER
128142 3MM GRAPHITE FRONT SHOCK TOWER (FF-V3)
128143 3MM GRAPHITE REAR SHOCK TOWER (FF-V3)
128144 2.2MM GRAPHITE UPPER DECK (FF-V3)
125104 REAR BEARING SLEEVE CLAMP (L+R, FF-V3)

924900 PIVOT BALL 4.9 MM DOUBLE BEVEL SHOULDERS
924904 BALL END 4.9MM WITH THREAD 4MM H2.0
920328 ADJ. TURNBUCKLE L/R28MM-SPRING STEEL
920336 ADJ. TURNBUCKLE L/R36MM-SPRING STEEL
930508 BALL-BEARING 5x8x2.5

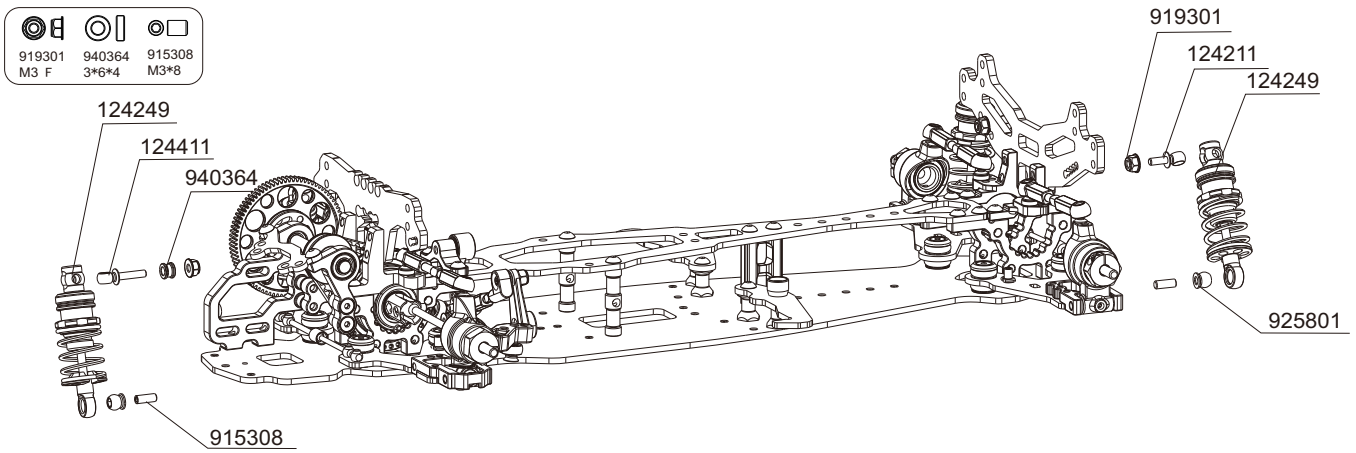
RACE OPT



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 WIHT BEARING HOLDER
123036 SUSPENSION ARM HOLDER WITH BALL END 4.9MM
118240 40MM UNIVERSAL DRIVE SHAFT COMPLETE SET(SPRING STEEL)- 3MM PIN

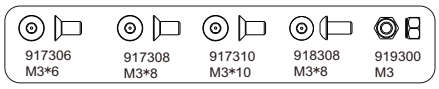


930510 BALL-BEARING 5x10x4
930612 BALL-BEARING 6x12x4
931015 BALL-BEARING 10x15x4
930518 BALL-BEARING FLANGED 5x8x2.5
121249 COMPOSITE BALL JOINT 4.9MM
123054 SUSPENSION ARM TIGHTEN COLLAR (4)
950318 FRONT PIVOT PIN (3*18)
950320 REAR UPRIGHT PIVOT PIN (3*20)
924906 BALL END 4.9MM WITH THREAD 6MM H2.0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

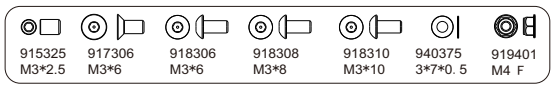


124211 RAS-SHOCK CAP BALL END 5.9*7MM
124411 RAS-SHOCK CAP BALL END 5.9*12MM

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



940060 BODY CLIP 6mm
128205 FOAM BUMPER
123026 BUMPER HOLDER COLLAR
123027 BUMPER STANDOFF POST
123033 BUMPER HEX SCREW
121014 COMPOSITE BUMPER
121022 REAR BODY MOUNT SET
121023 BODY SUPPORT



125032 SUSPENSION RUDDER FRAME-STRAIGHT
120200 OPTIONAL FLOATING SERVO MOUNT
994026 PINION GEAR ALU HARD COATED 26T / 48
128115 GRAPHITE FLOATING SERVO MOUNT PLATE