



INSTRUCTION MANUAL

& REFERENCE GUIDE

Welcome to Serpent

The Serpent 747e is based on the successful 747 gaspowered car, combining ultimate performance into a single package. The 200mm wide electric powered racing car offers superb handling, and the durability of a stronger 200mm car.

The Serpent 747e is designed to be a world champion, while still being easy to use, assemble, and set up. You are now part of the worldwide network of Serpent drivers, which gives you superior technical support and access to many benefits that only Serpent drivers can enjoy.

The Serpent 747e offers state of the art specifications and leads the way in 200mm chassis design, using all the knowledge we have from 1/8 scale racing into this design too. Continuously pushing the performance envelope, Serpent's engineers have added many new and innovative features that can help take your Serpent 747 into the winner's circle: new geometry, roll-centers and weight balance, combined with new open and very accessible design.

INSTRUCTIONS

Serpent's long tradition of excellence extends to their instruction manuals, and this instruction manual is no exception. The easy-to-follow layout is richly illustrated with 3D-rendered full-color images to make your building experience quick and easy. Following the instructions will result in a well-built, high-performance racecar that will soon be able to unleash its full potential at the racetrack.

This instruction manual has been divided into sections that will logically lead you through the assembly process of your Serpent 747e. Follow the assembly steps in the order presented to ensure that no problems occur during assembly. Each step indicates all the fasteners and small parts used. Bag numbers identify the kit bag(s) that contains the appropriate parts.

EXPLODED VIEWS AND PARTS LIST

The exploded views and parts lists for the Serpent 747e are included in the back of this manual. The exploded views show all the parts of a particular assembly step along with the Serpent part number. The parts lists indicate the part number and name of each part for easy reference when ordering.

All information about the Serpent 747e is accessible from the Serpent 747 product page which can be found on Serpent.com and can be accessed by simply typing www.serpent.com/804006 into your web browsers address bar.

From the Serpent 747e product page you will find the very latest information about your 747e: reports by team drivers and other experts, tips and tricks, setups, image gallery and downloadable files including the latest version of the instruction manual will be made available as downloadable PDF-files.

Enjoy racing !

Team Serpent

SAFETY

Read and take note of the 'Read this First section' before proceeding to assemble the car-kit. This car-kit is intended for persons aged 16 or older.

CUSTOMER SERVICE

Serpent has made a strong effort to make this manual as complete and clear as possible.
Additional info may be published in our website: www.serpent.com or you may ask your dealer or the Serpent distributor for advice, or email Serpent direct: info@serpent.com

The Serpent Facebook, Twitter and Youtube pages give additional means of support and communications.

INSTRUCTIONS, HOW TO USE

The kit includes bags, with bagnumbers, which refer to the same step in the manual. Open only the indicated bag(s) per step and finish that part of the assembly.

Remaining parts will be needed lateron in the assembly process.

SETUP

In many assembly steps you mount specific parts that suit the default set-up. We advice to keep the seperate default set-up sheet alongside the manual, during all assembly.

Other finetuning of the set-up, must be done at the track.

CONTENTS

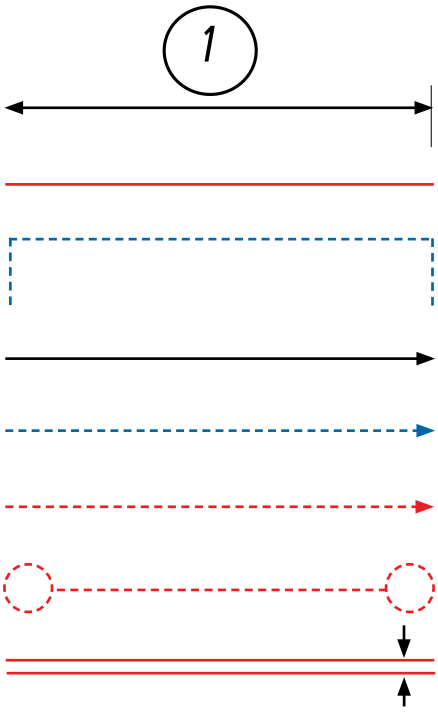
FRONT ASSEMBLY	**4**
REAR ASSEMBLY	**9**
BALL DIFF ASSEMBLY	**10**
TRANSMISSION ASSEMBLY	**11**
SHOCKS ASSEMBLY	**14**
FINAL ASSEMBLY	**17**
REFERENCE GUIDE	**18**
PARTS LISTS	**26**

Read this first!

- This is a highly technical hobby product, intended to be used in a safe racing environment. This car is capable of speeds in excess of 80 km/h or 50mph. Please follow these guidelines when building and operating this model.
- Parental guidance is required when the builder/user of this car is under 16.
- Follow the building instructions. If in doubt, contact your dealer or importer.
- Be sure to use the proper tools when assembling the car. Always exercise caution when using electric tools, knives and other sharp objects.
- Be careful when using liquids like lubrication oil, fuel or glue. Do not swallow.
- Follow the manufacturer's instruction in case you experience irritation after using the product.
- Be careful when operating the car. Stay away from any rotating parts such as wheels, gears and transmission. Stay away from motor, engine and exhaust pipe system or speedo during and immediately after use, as these parts may be very hot. We advise to use protective hand cloves.
- Only operate this car in a safe environment, like a special racing track or a closed parking lot. Avoid using this car on public roads, crowded places or near infants.
- Before operating this car, always check the mechanical status of the car. Also check that the transmitter and receiver frequencies correspond and are not used by any other racer at the same time. Check that the batteries of the transmitter and receiver are fully charged.
- After use, always check all the mechanics of the car. We advise to clean the car immediately after use, and inspect the parts for wear or fractures. Replace when necessary. Do not use water, methanol, thinner or other solvents to clean the car.
- Empty the fuel tank (depending on model) if needed and disconnect the receiver battery.
- Store the car in a dry and heated place to avoid corrosion of metal parts.
- Avoid using this car in wet conditions as the water will cause corrosion on the metal parts and bearings and these parts will cease to function properly. If driven in the wet, ensure that all the electric equipment is waterproofed and after use, that all moving parts are dried immediately.

USING THE MANUAL

Each step contains a variety of numbers, lines, and symbols. The numbers represent the order in which the parts should be assembled. The lines and symbols are described below.



Step number; the order in which you should assemble the indicated parts

Length after assembly

Assembly path of one item into another

Group of items (within lines) should be assembled first

Direction the item should be moved

Glue one item to another

Press/Insert one item into another

Connect one item to another

Gap between two items



Apply graphite grease (Grey),



Apply threadlock (Blue),



Apply silicone grease (Orange),



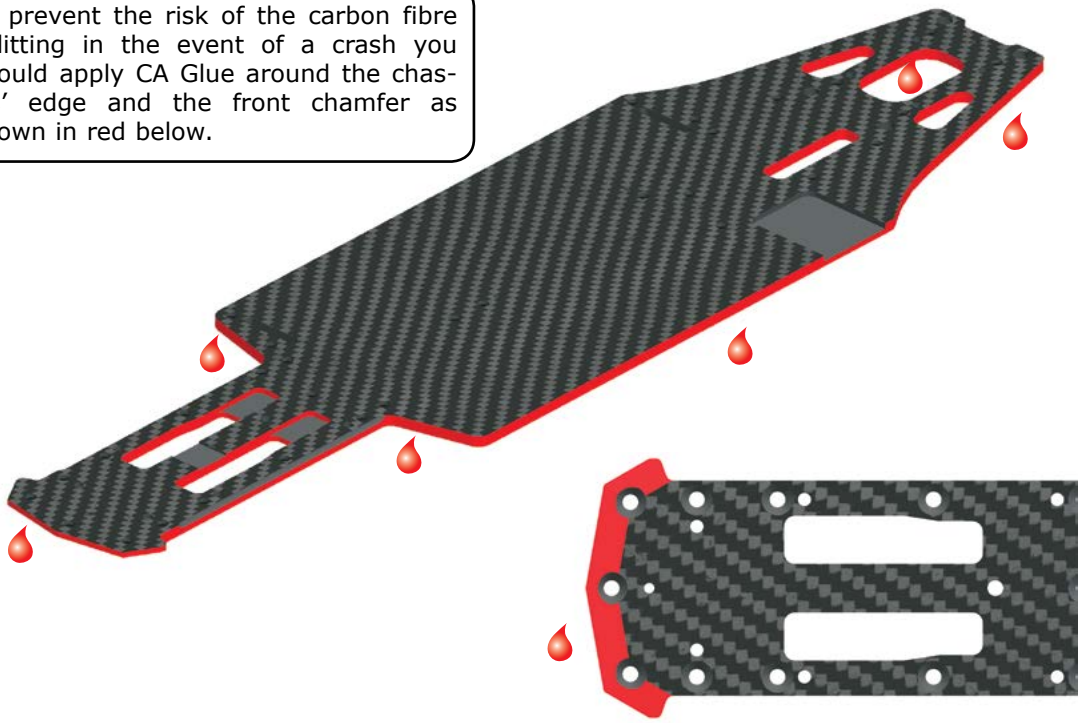
Apply silicone oil,

STEP 1

KIT

CA Glue

To prevent the risk of the carbon fibre splitting in the event of a crash you should apply CA Glue around the chassis' edge and the front chamfer as shown in red below.

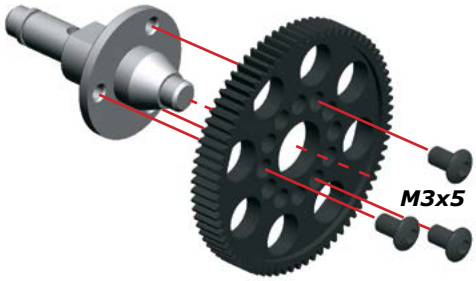


TRANSMISSION ASSEMBLY

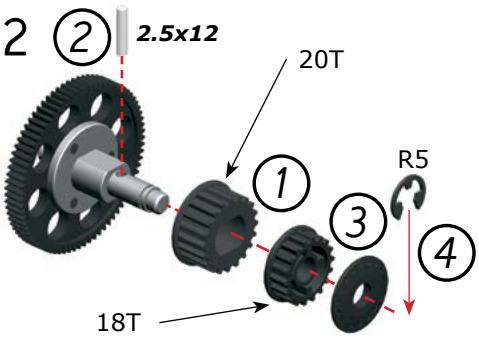
STEP 2

Bag 1

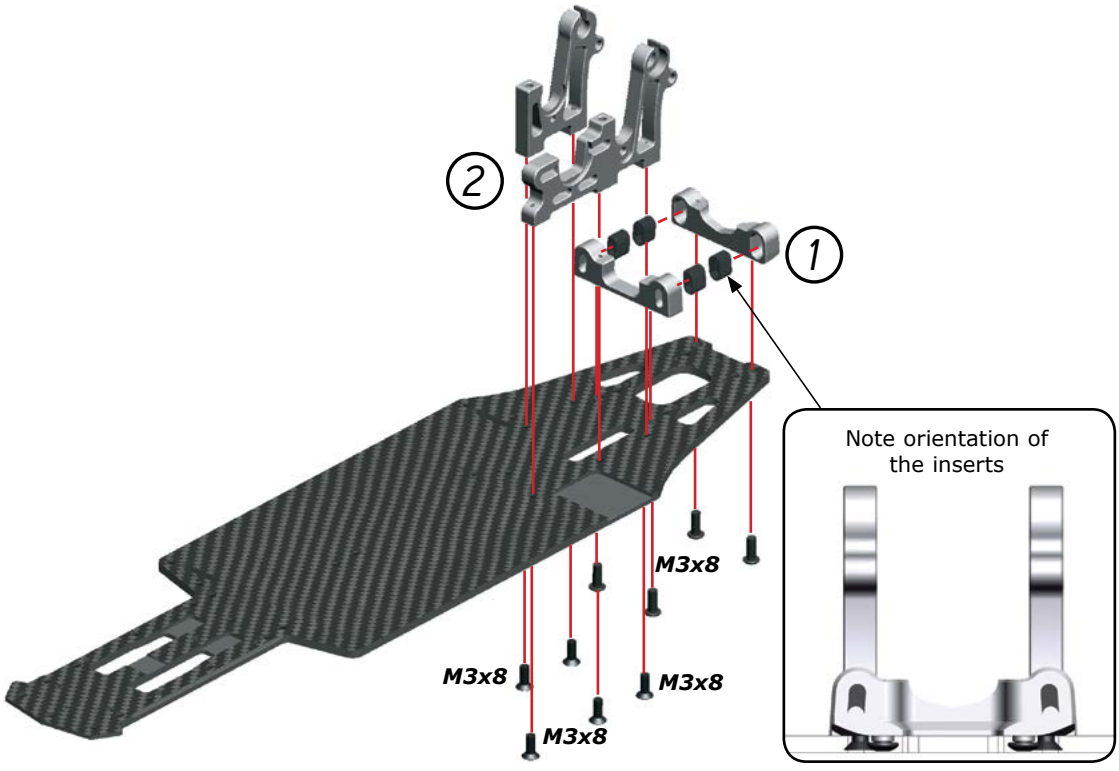
2.1



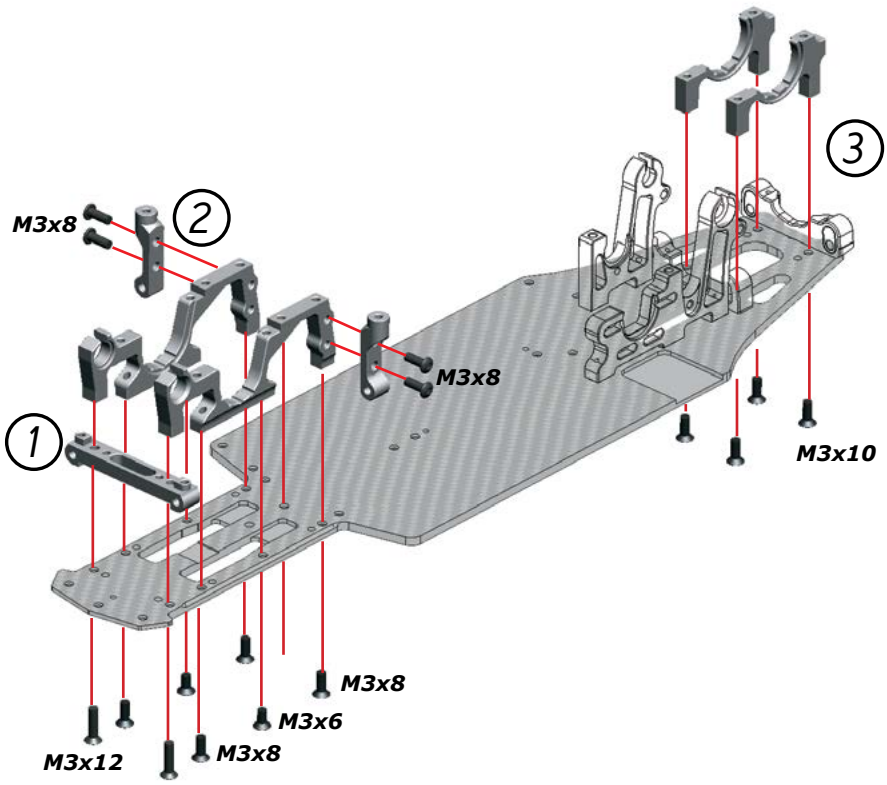
2.2



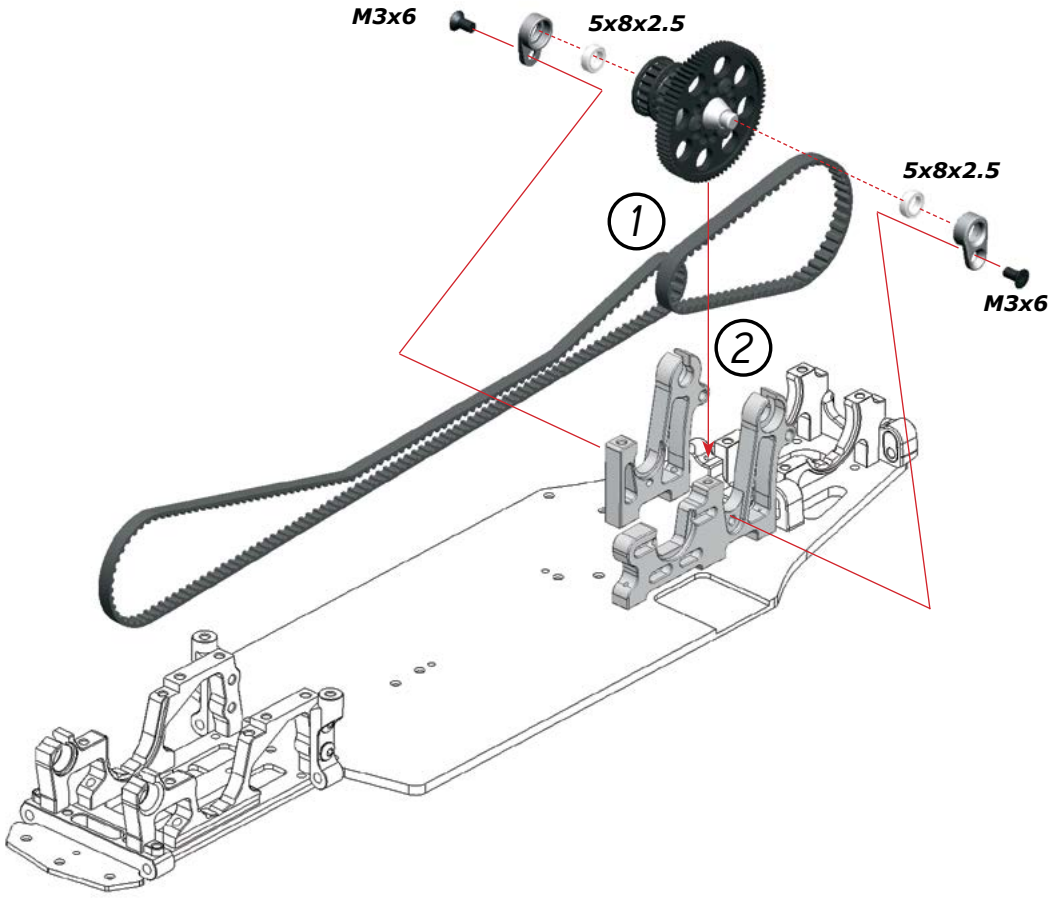
STEP 3



STEP
4


M3x8
2
3
M3x8
1
M3x10
M3x8
M3x6
M3x12
M3x8

STEP
5


M3x6
5x8x2.5
5x8x2.5
1
M3x6
2

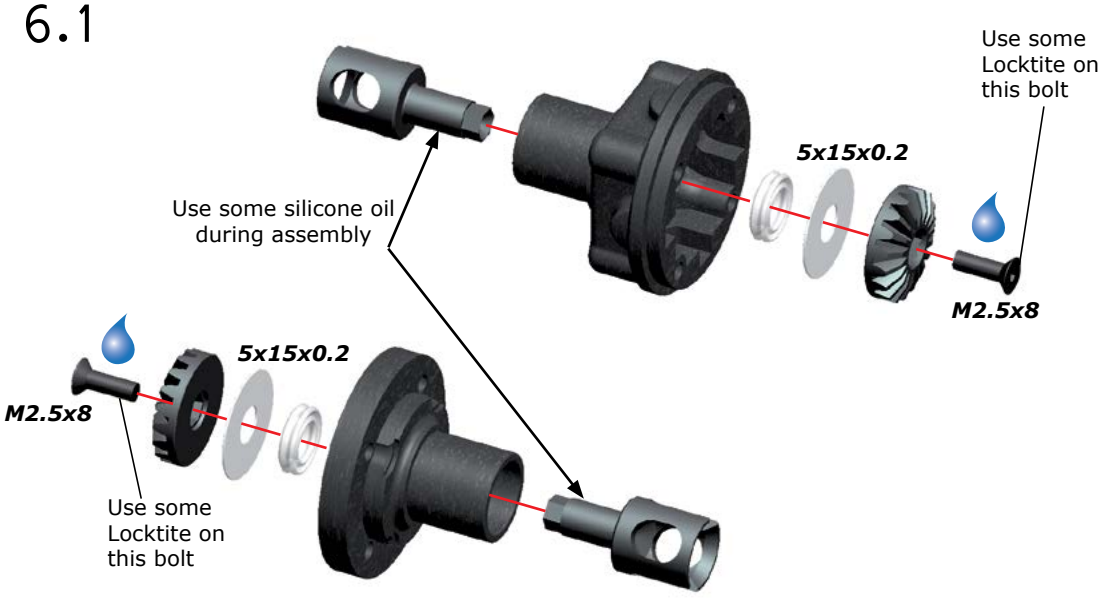
DIFFERENTIAL ASSEMBLY

STEP 6

Diff bag FR

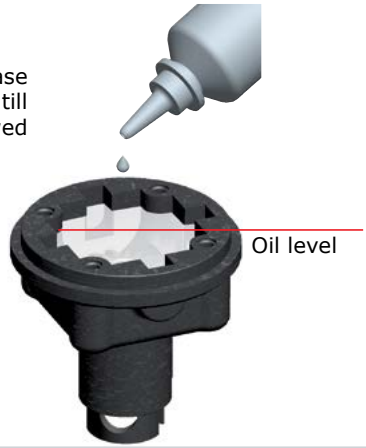
Diff bag RR

6.1



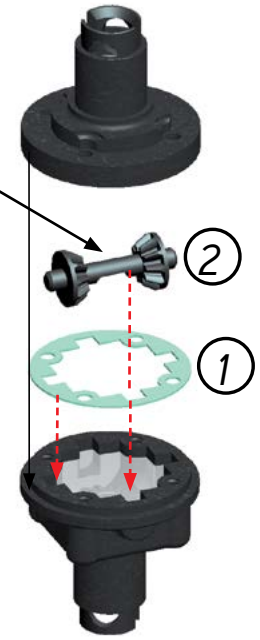
6.2

Fill the diff case with silicone oil till the level showed in the picture.



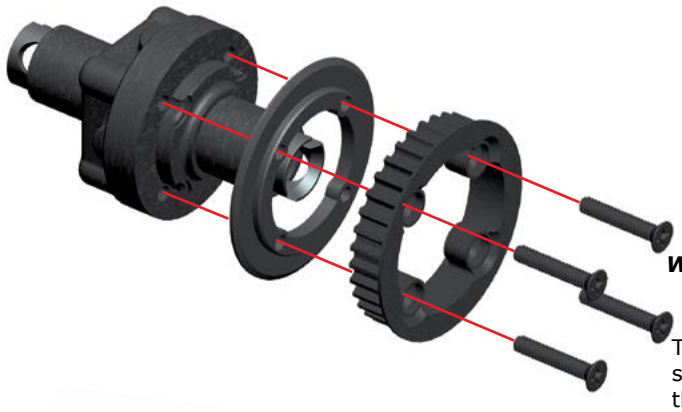
6.3

Depending on set-up you can choose for 2 or 4 gears. Check set-up



6.4

FRONT DIFF

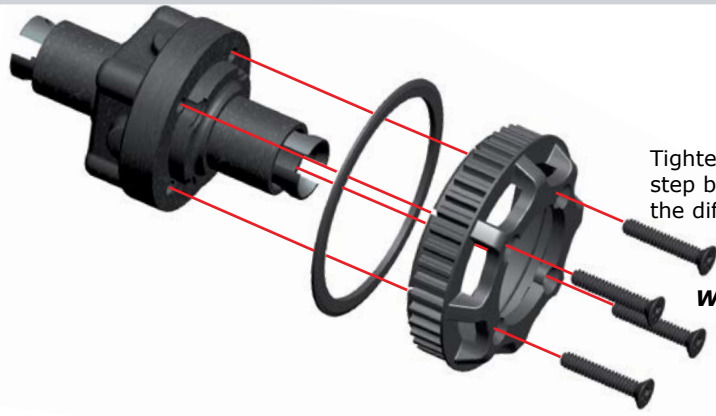


Widethread M2.5x12

Tighten all screws step by step to close the differential

6.5

REAR DIFF

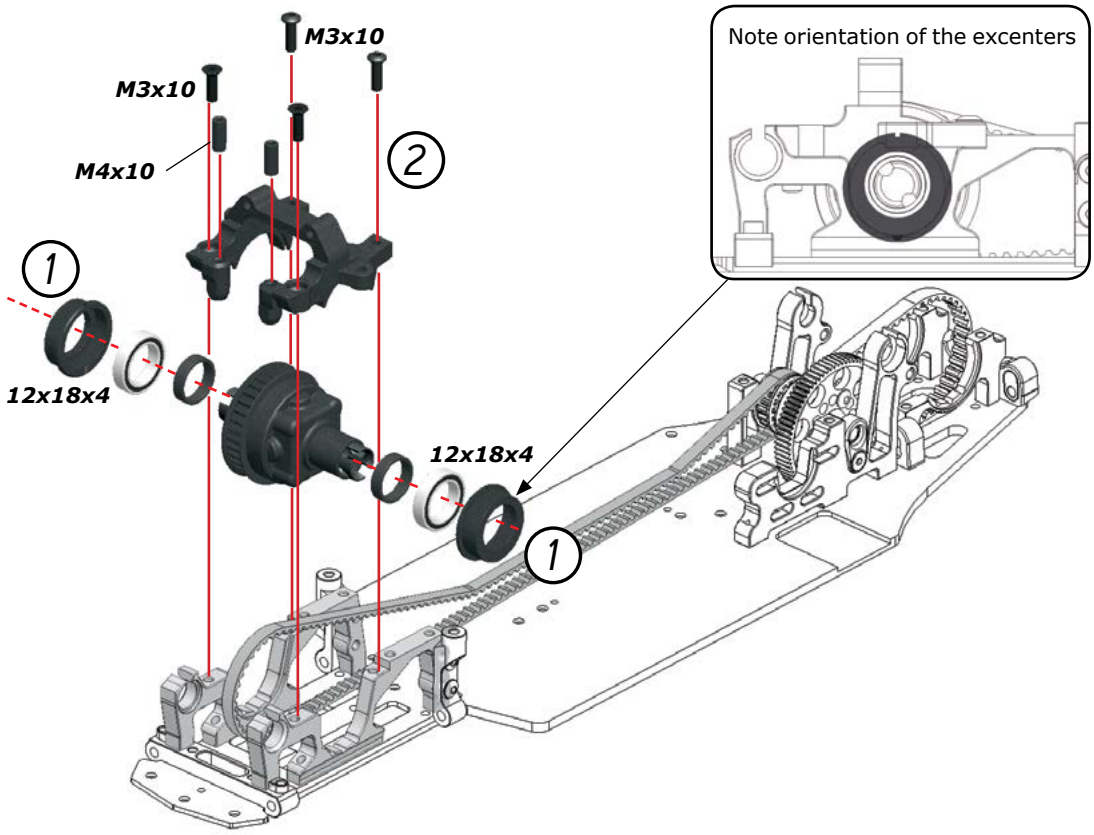


Tighten all screws step by step to close the differential

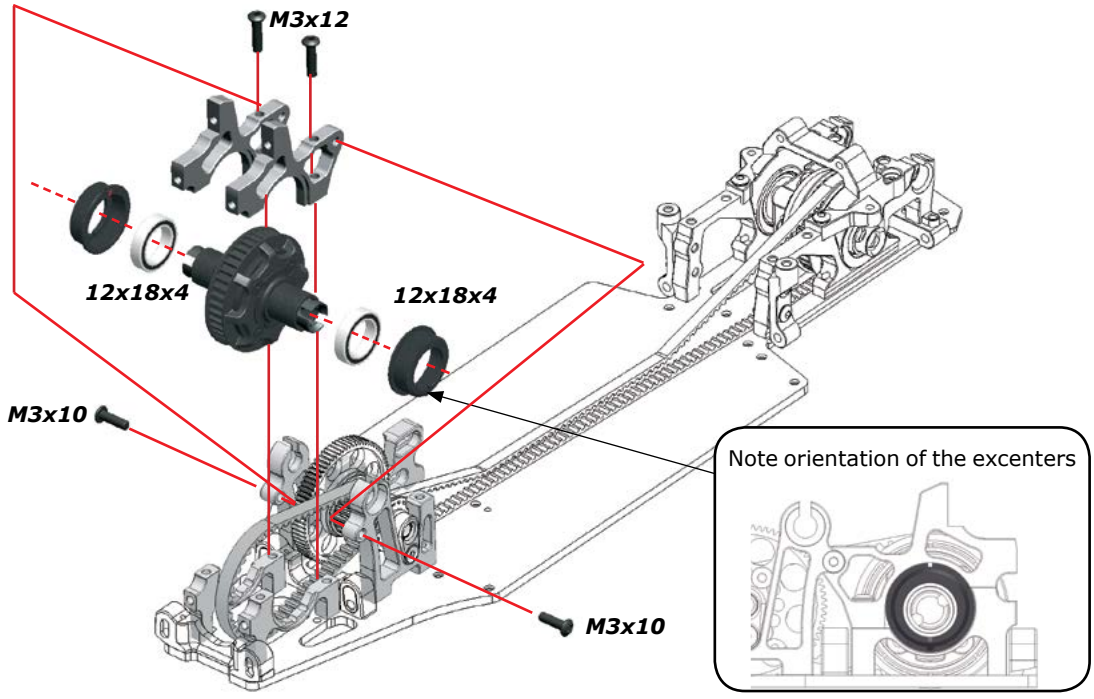
Widethread 2.5x12

STEP 7

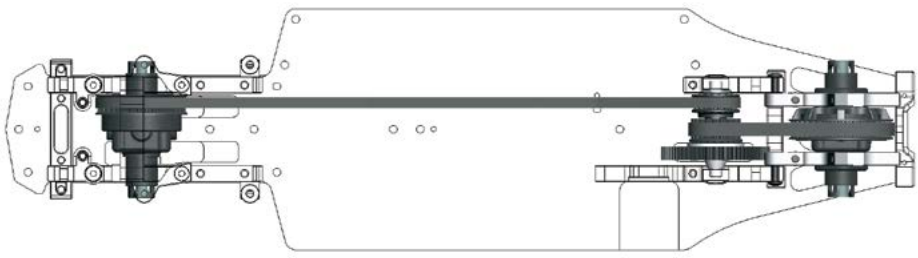
Bag 3



STEP 8



Transmission assembly detail view

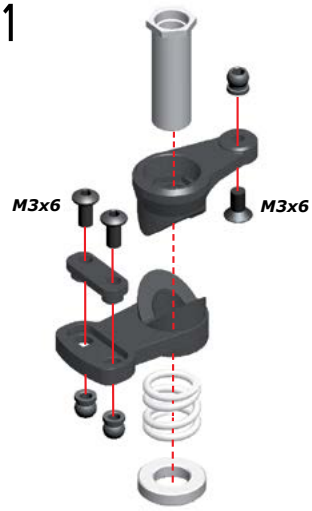


STEERING ASSEMBLY

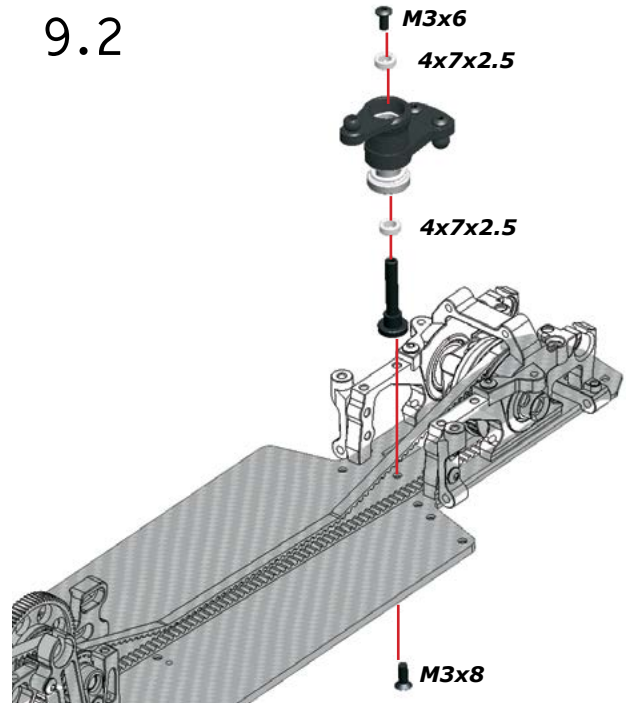
STEP 9

Bag 4

9.1

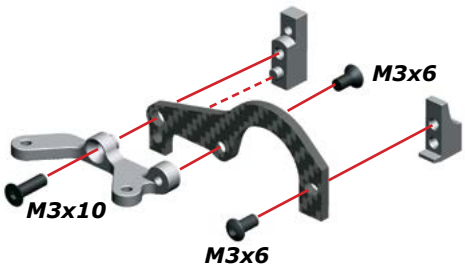


9.2

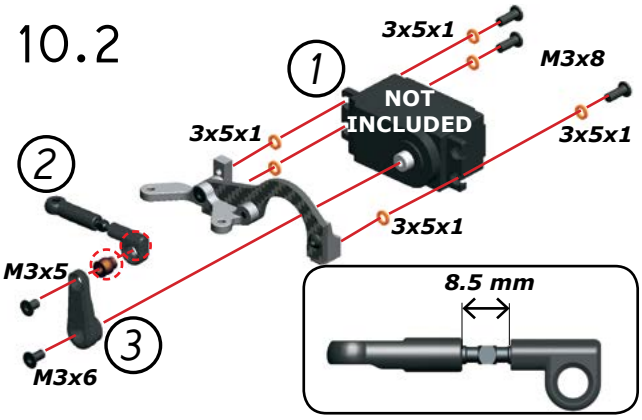


STEP 10

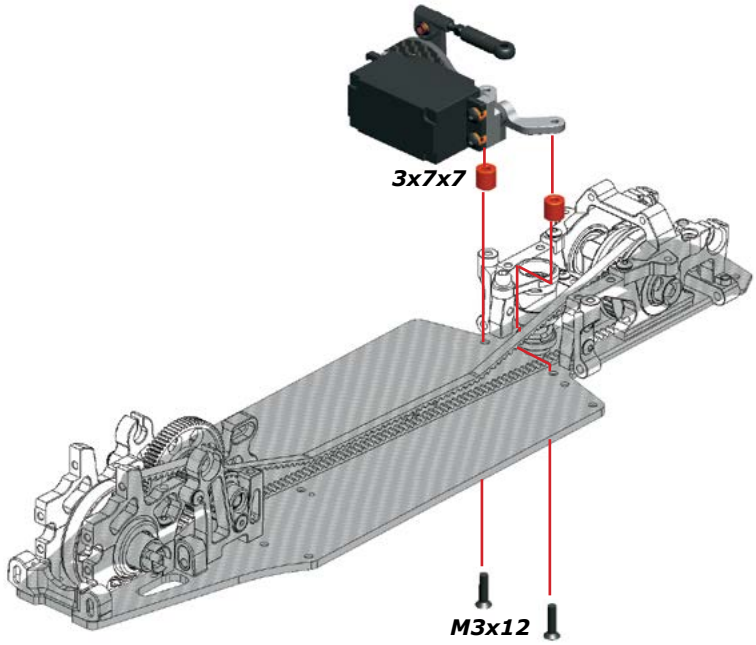
10.1



10.2



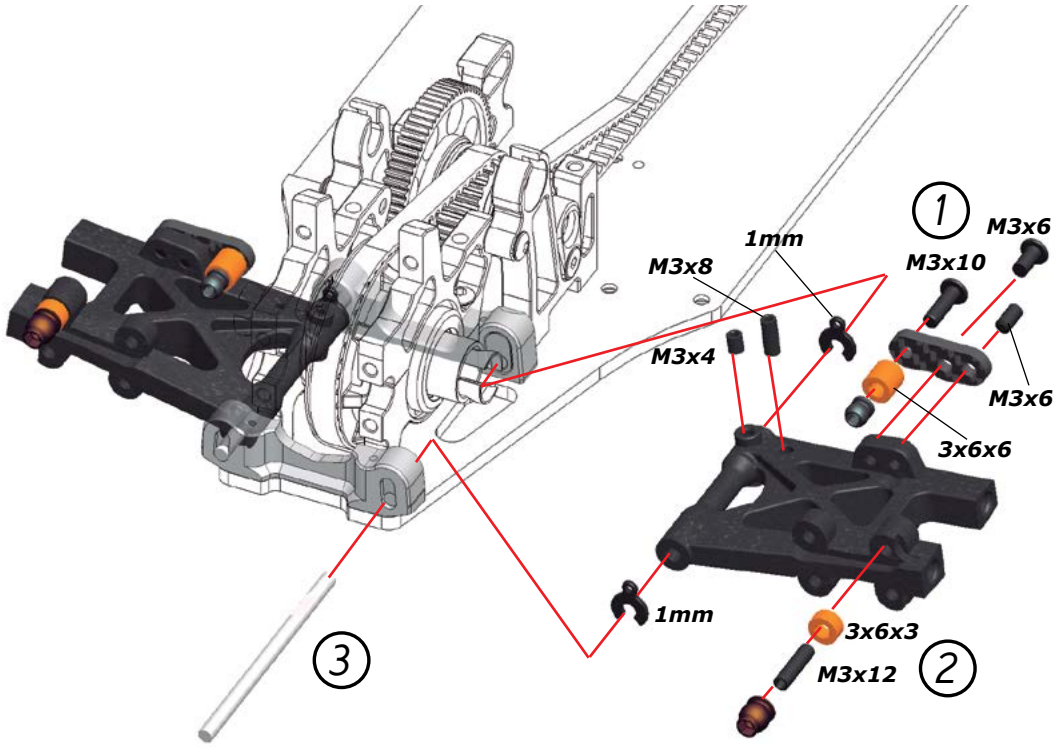
10.3



REAR ASSEMBLY

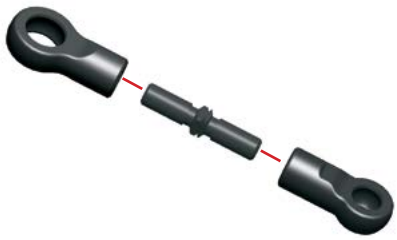
STEP 11

Bag 5

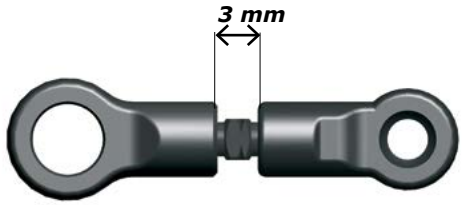


STEP 12

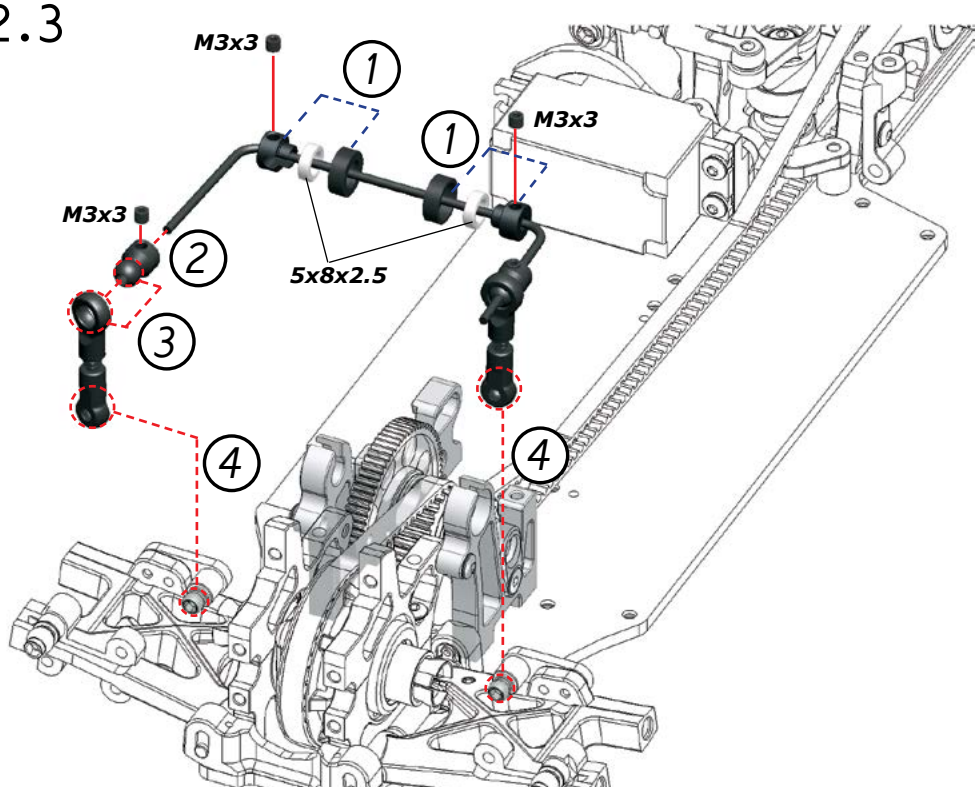
12.1



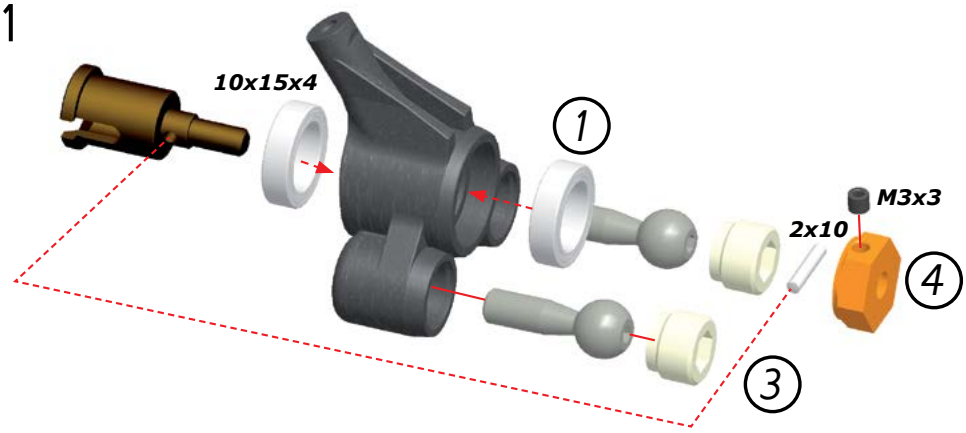
12.2



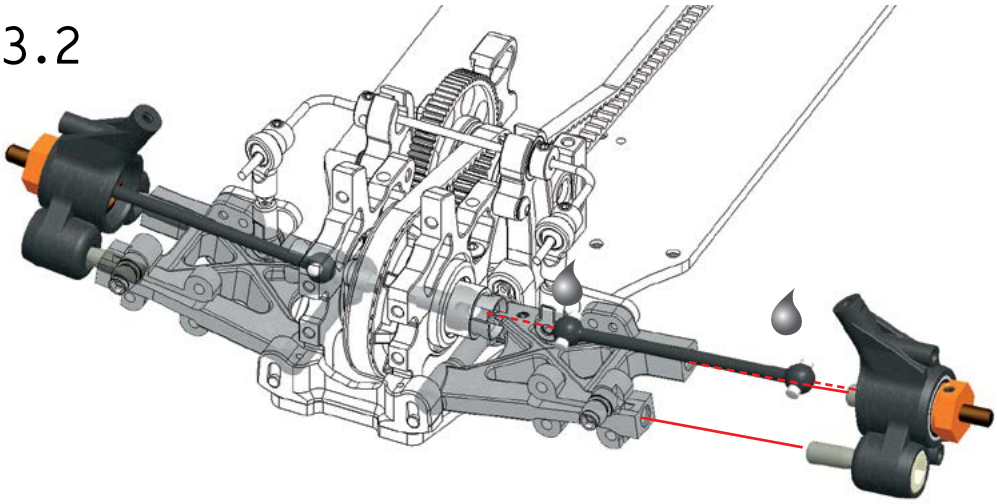
12.3



13.1



13.2



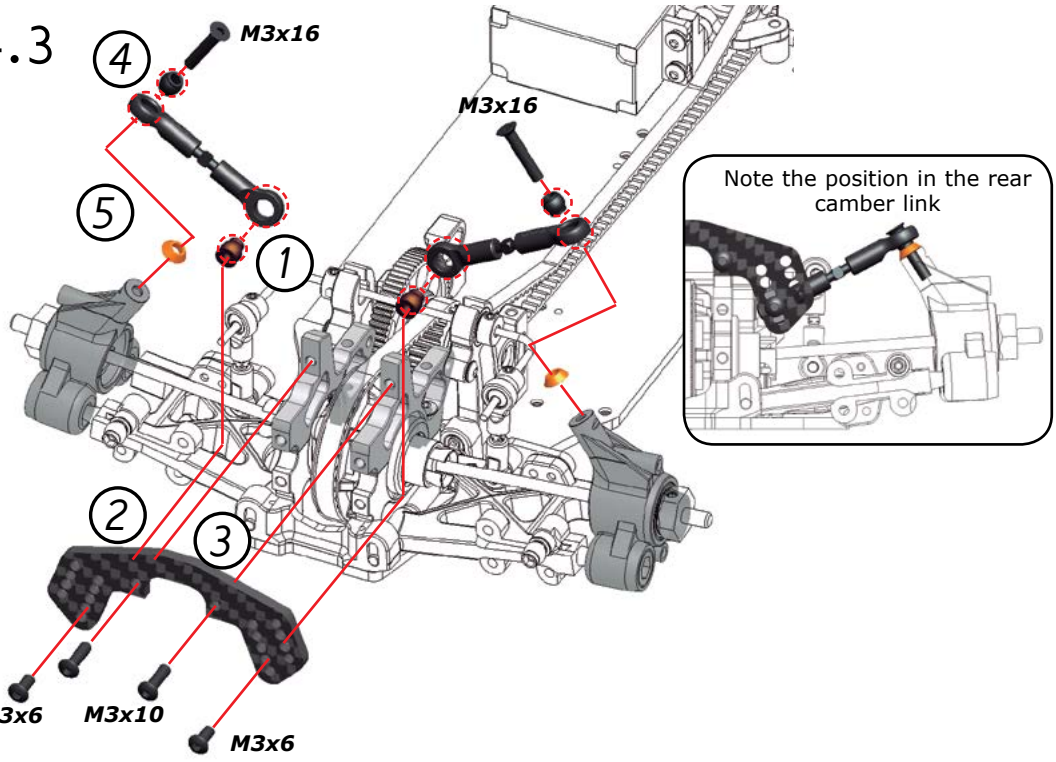
14.1



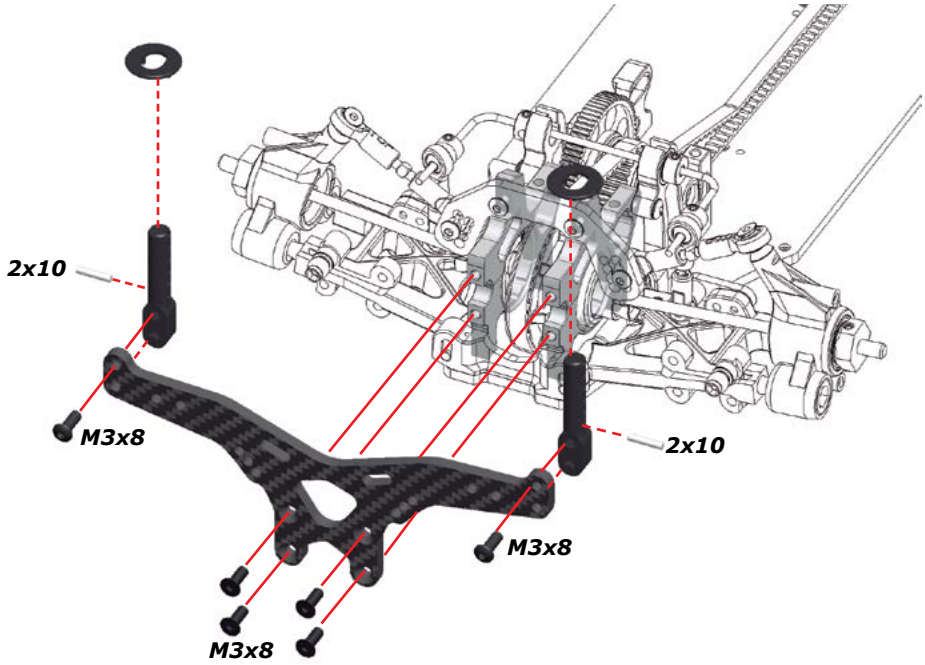
14.2



14.3



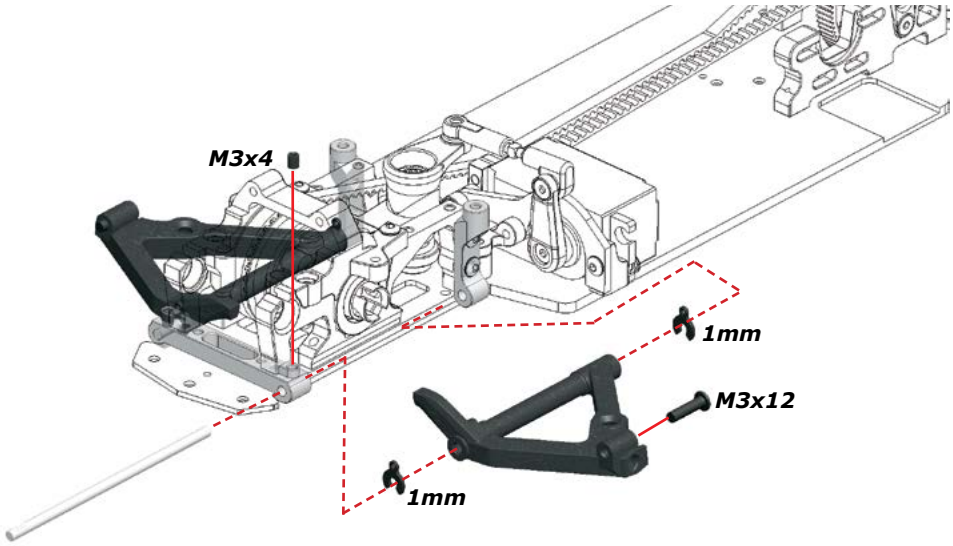
STEP 15



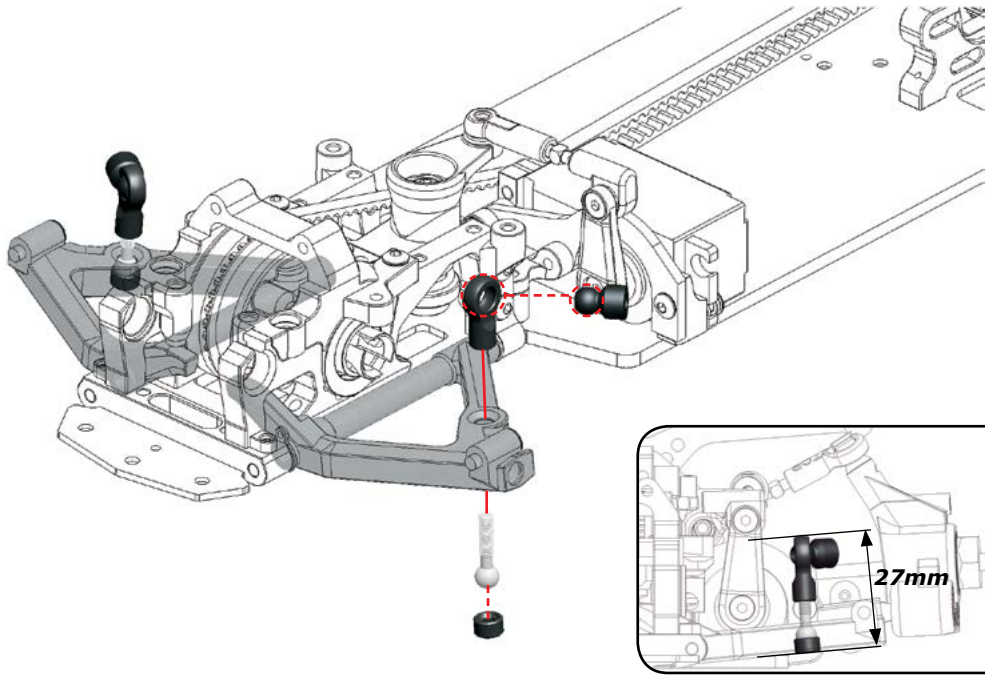
FRONT ASSEMBLY

STEP 16

Bag 7



STEP 17

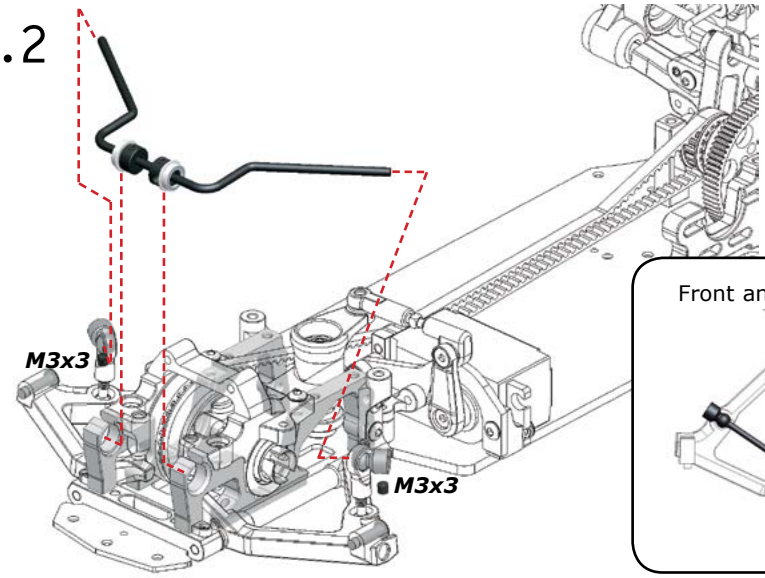


STEP 18

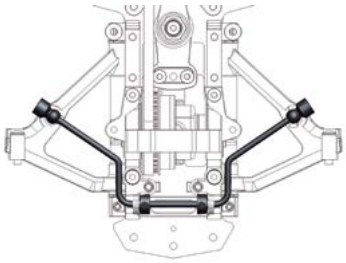
18.1



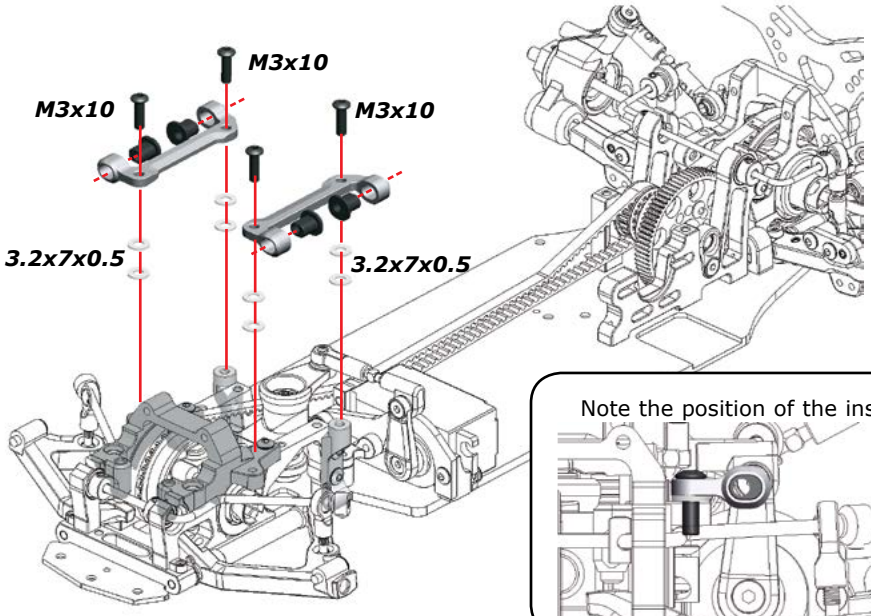
18.2



Front anti-roll bar detail view

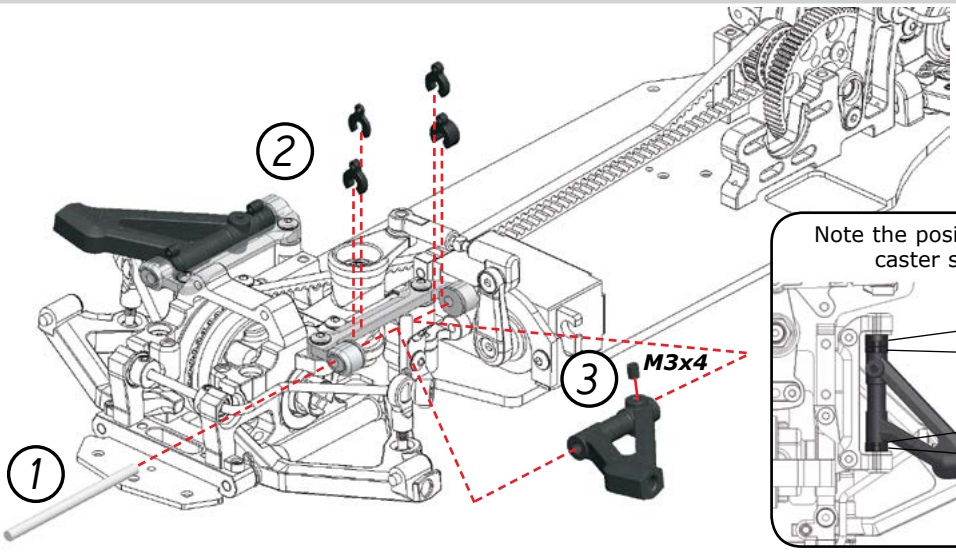


STEP 19



Note the position of the insert

STEP 20

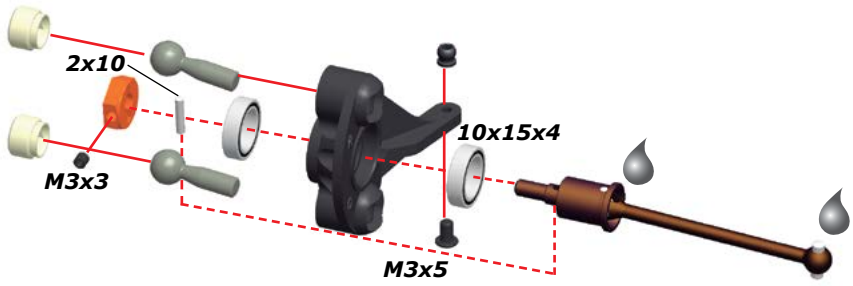


Note the position of the caster shims

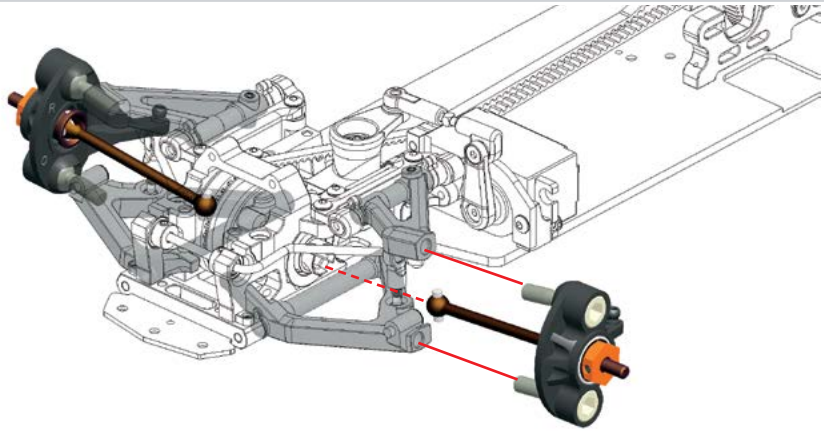
STEP 21

Bag 8

21.1



21.2

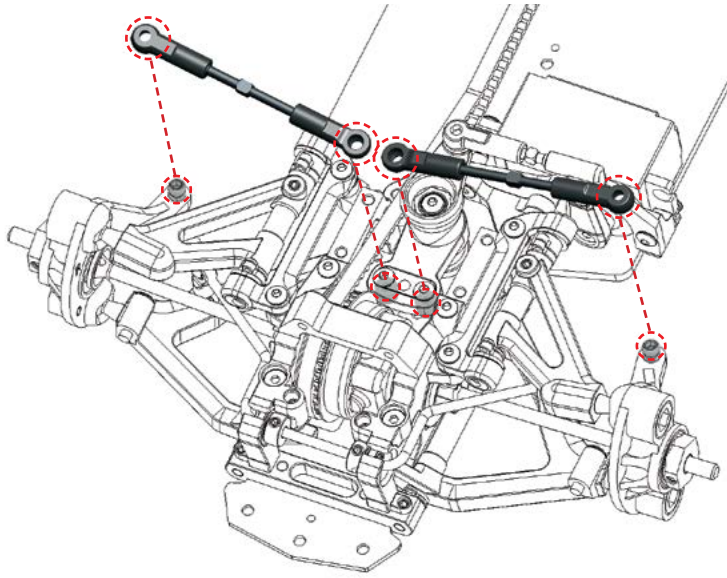


STEP 22

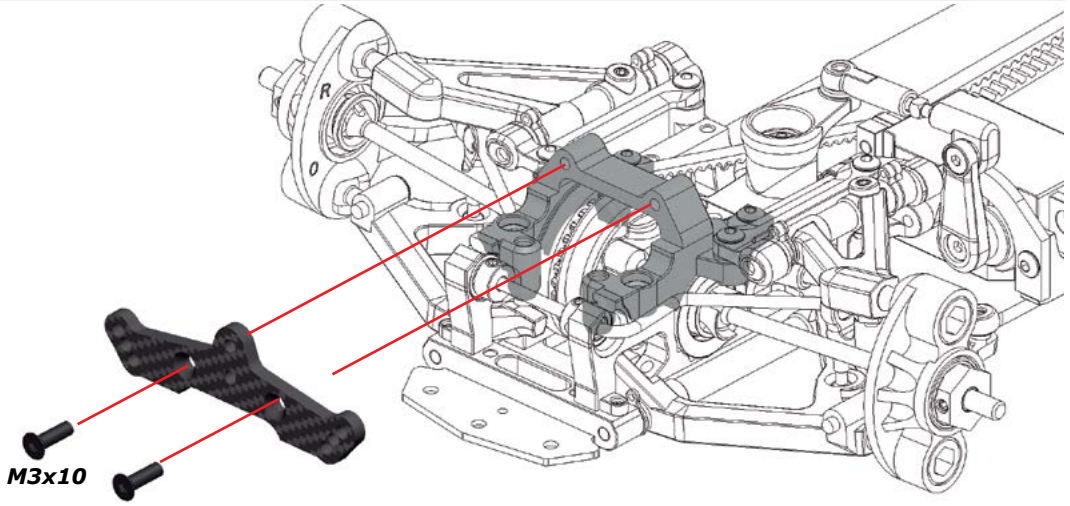
22.1



22.2

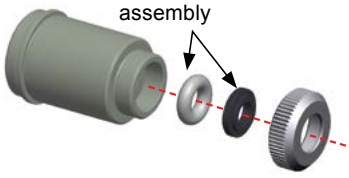


STEP 23



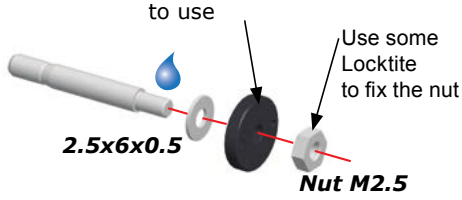
RCM SHOCK ASSEMBLY

24.1

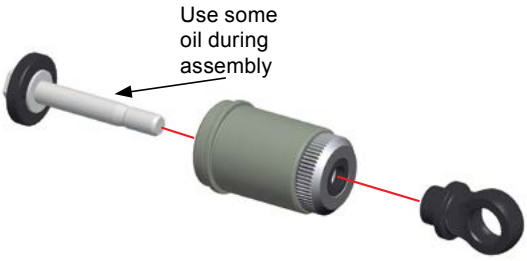


24.2

Check the default set-up sheet for the correct piston to use



24.3



24.4



Pull shockrod to bottom position before to fill the shock body with the supplied shock absorber oil..

BLEEDING
Slowly move the shockrod up and down to let all airbubles escape.

24.5

Close the top of the shock

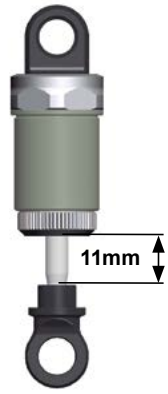


After assembly ensure you can push the piston all the way in (top of balljoint should hit the shock-bottom). If not, re-open the shock and let some oil bleed out, and repeat the steps.

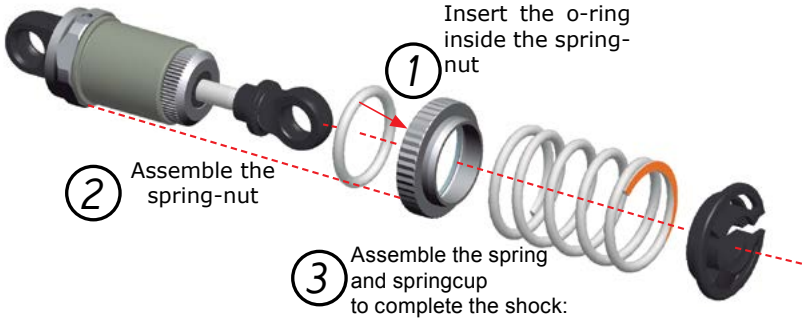
Allow some 'rebound' on the shockshaft, around 4mm is normal.

24.6

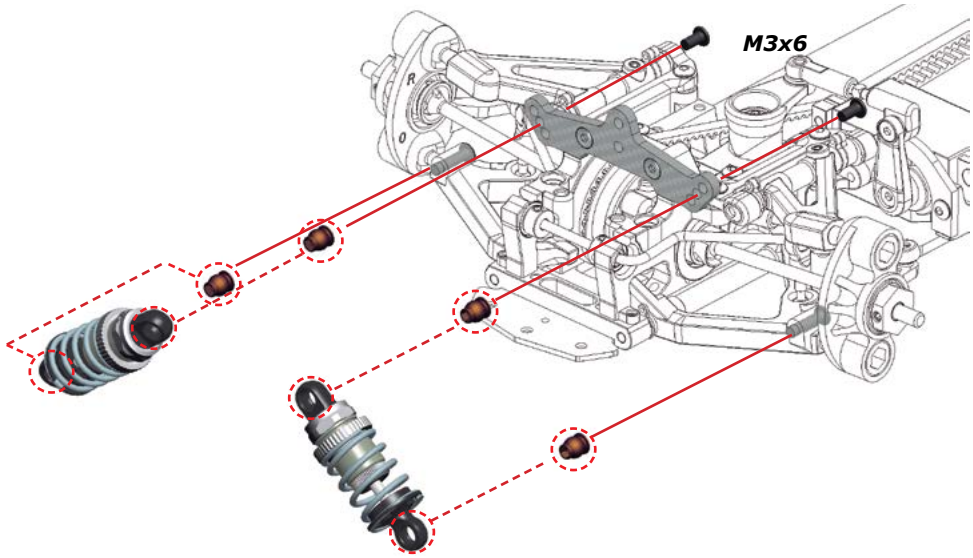
Measure fully extended



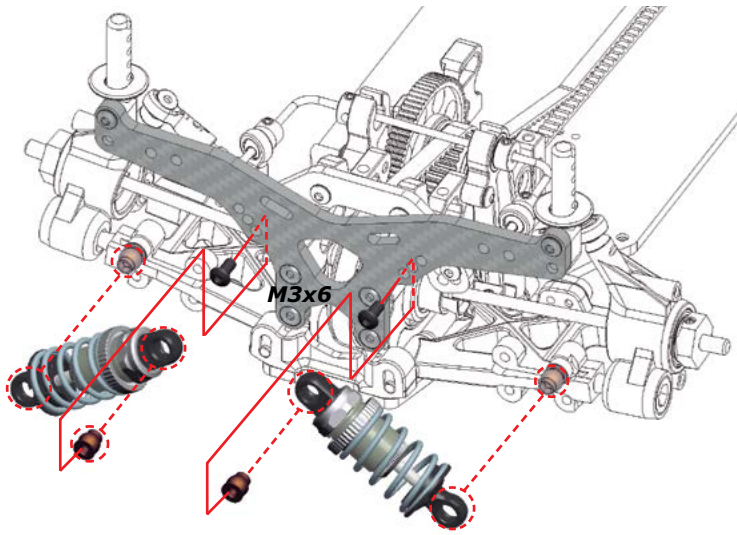
24.7



STEP 25



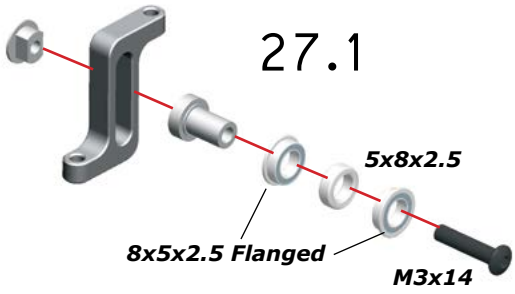
STEP 26



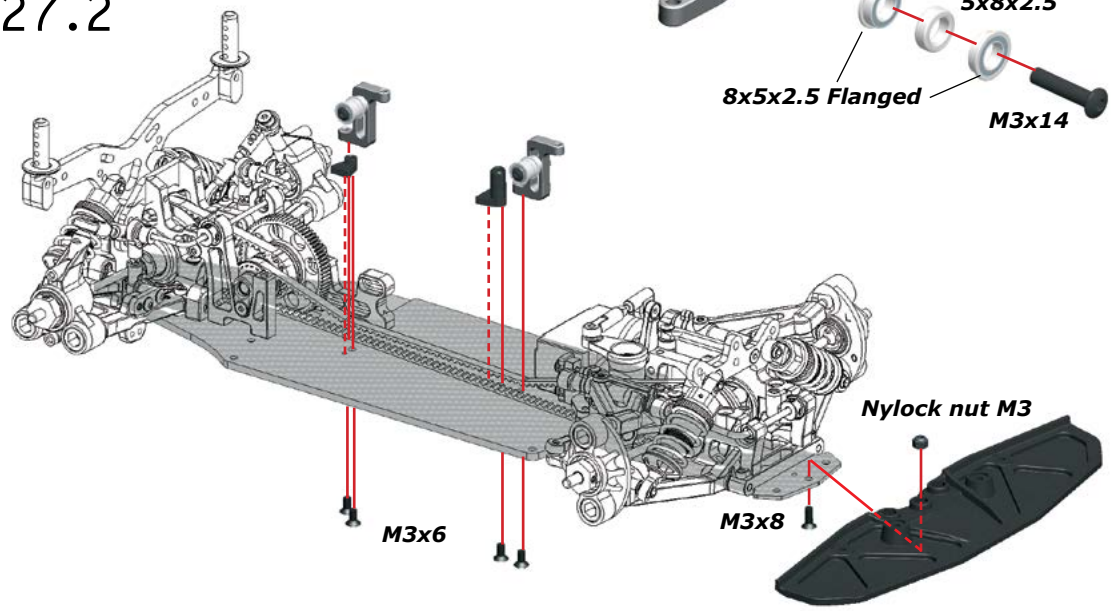
STEP 27

Bag 10

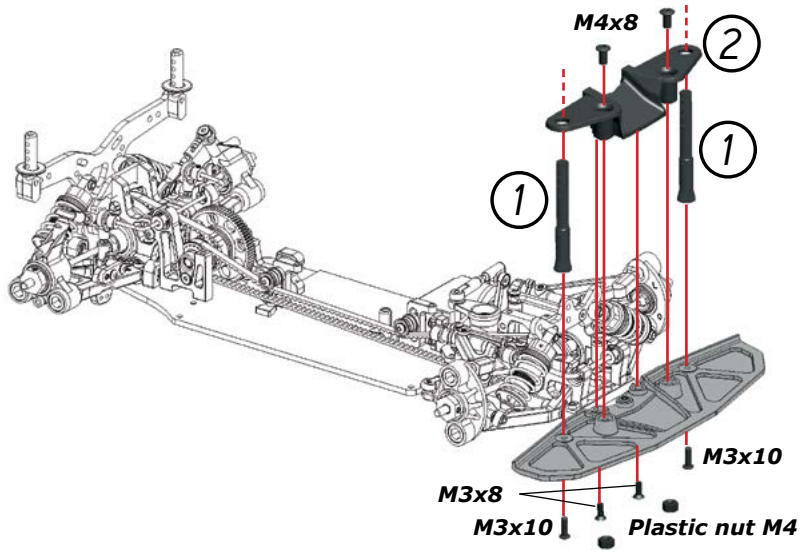
27.1



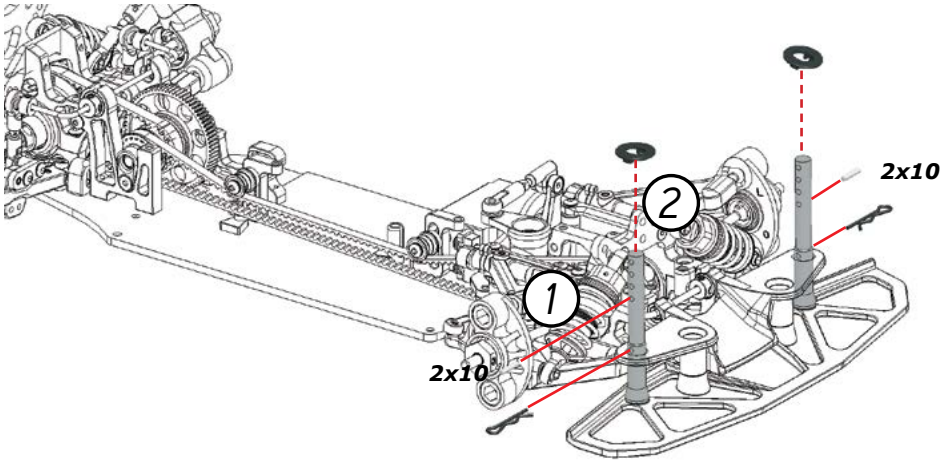
27.2



STEP 28

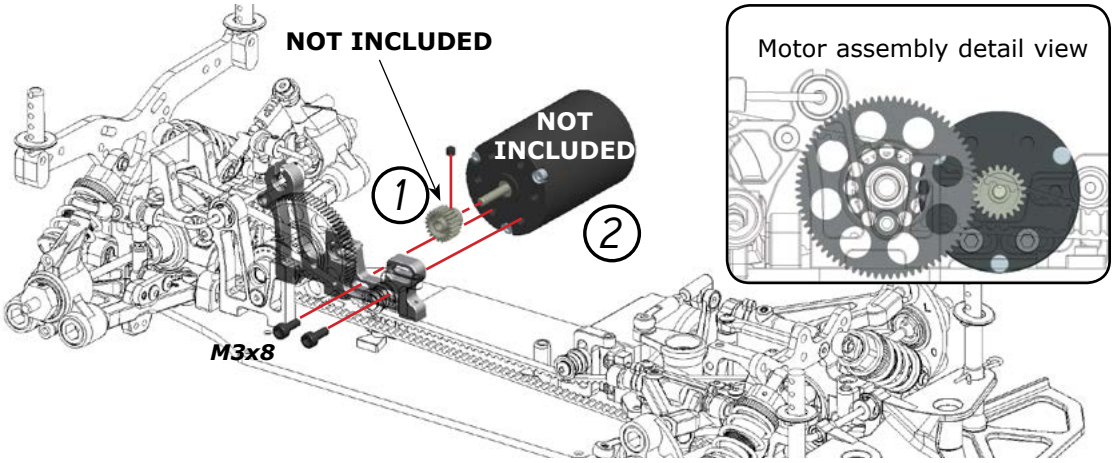


STEP 29

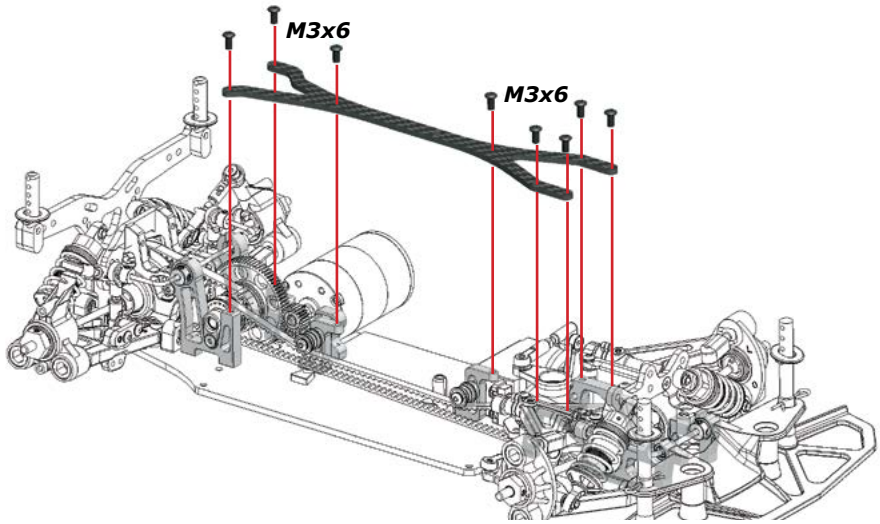


STEP 30

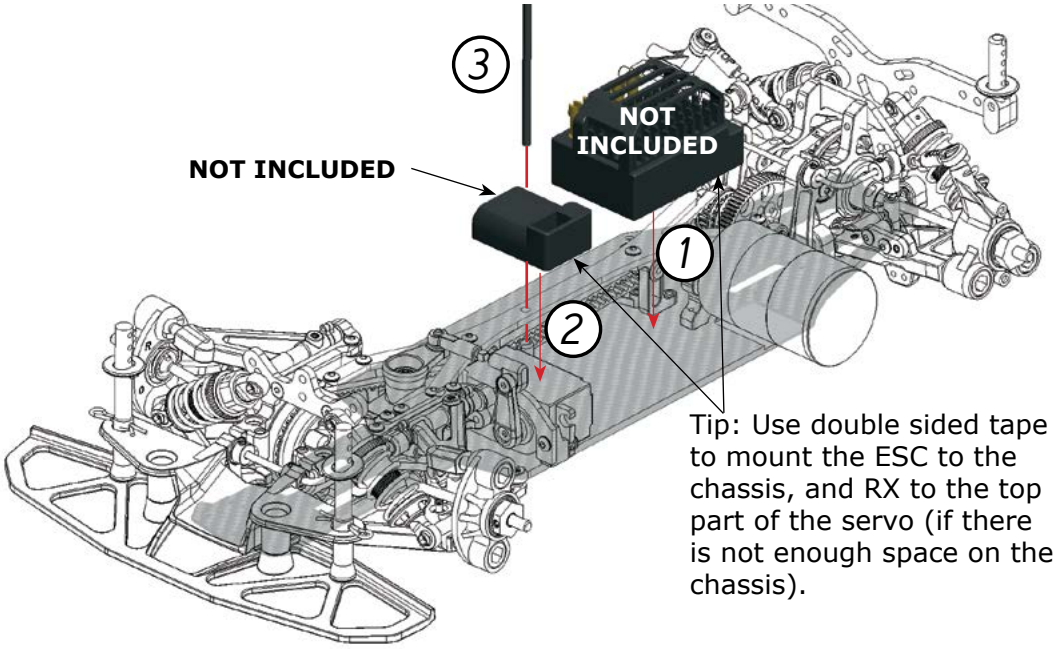
Bag 11



STEP 31

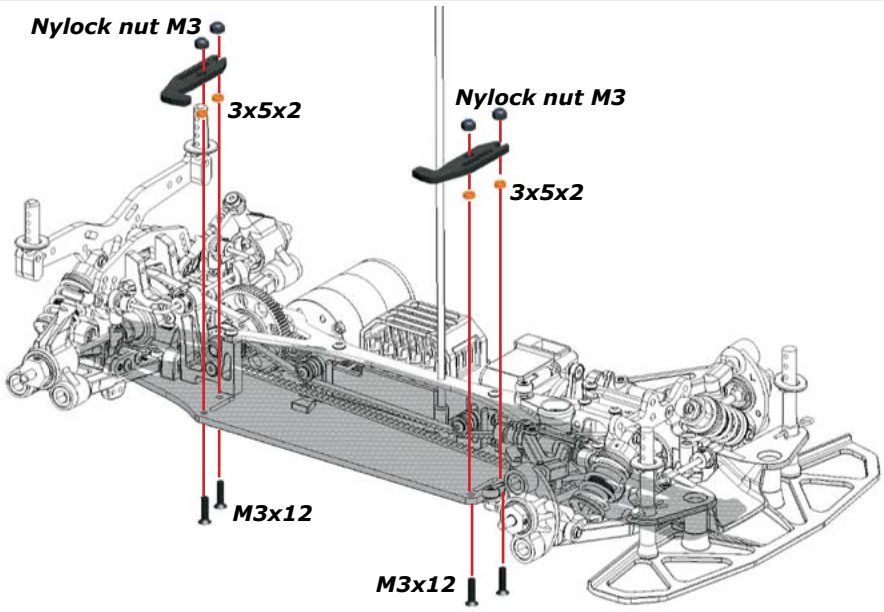


STEP 32

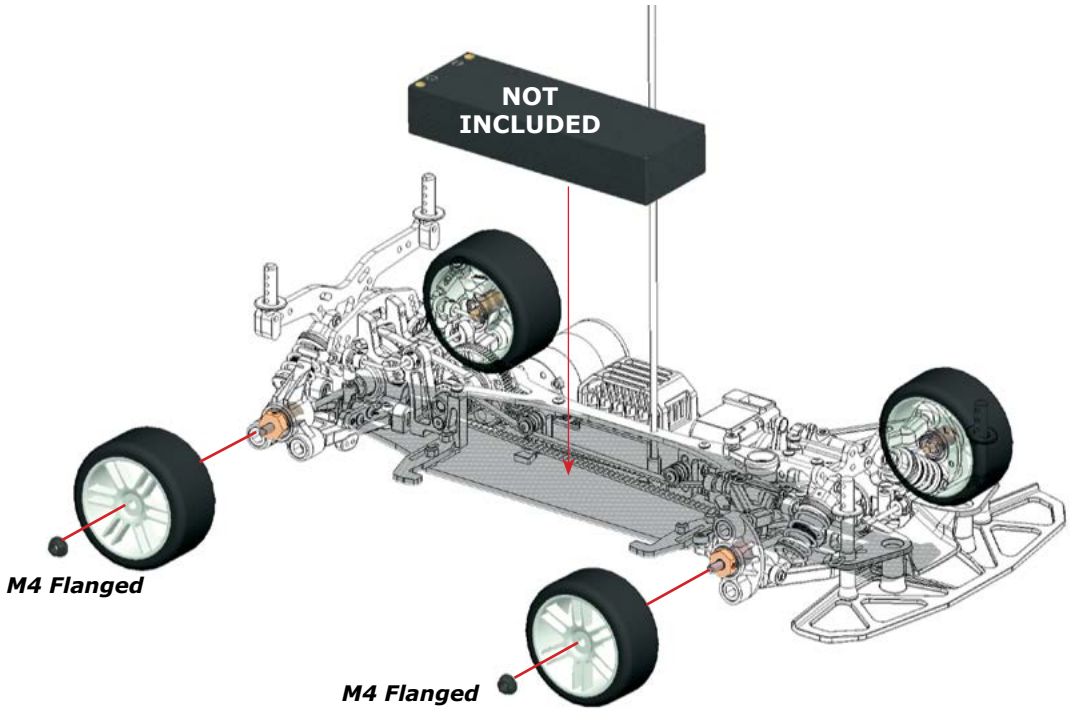


Tip: Use double sided tape to mount the ESC to the chassis, and RX to the top part of the servo (if there is not enough space on the chassis).

STEP 33



STEP 34



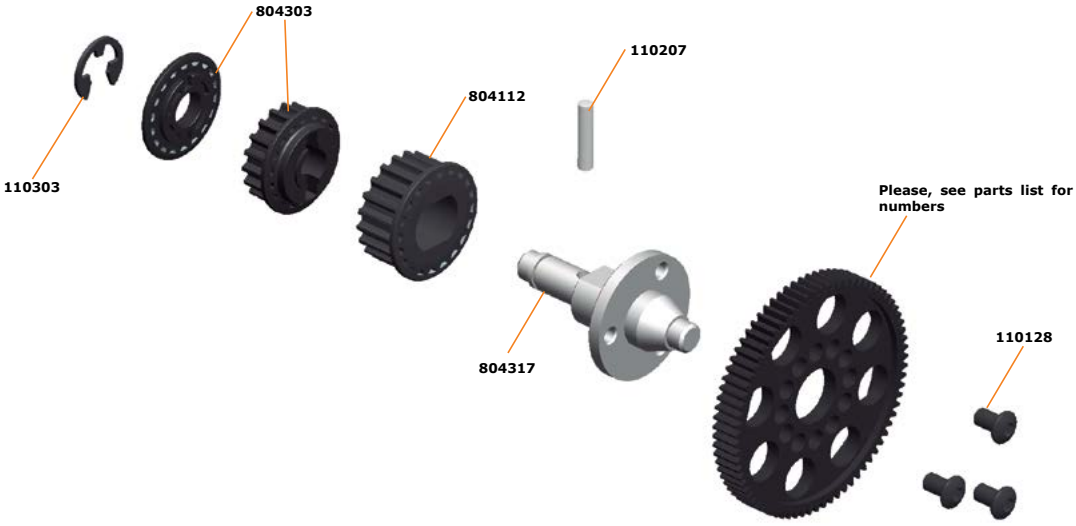
REF GUIDE:

EXPLODED VIEWS and PARTS-LIST

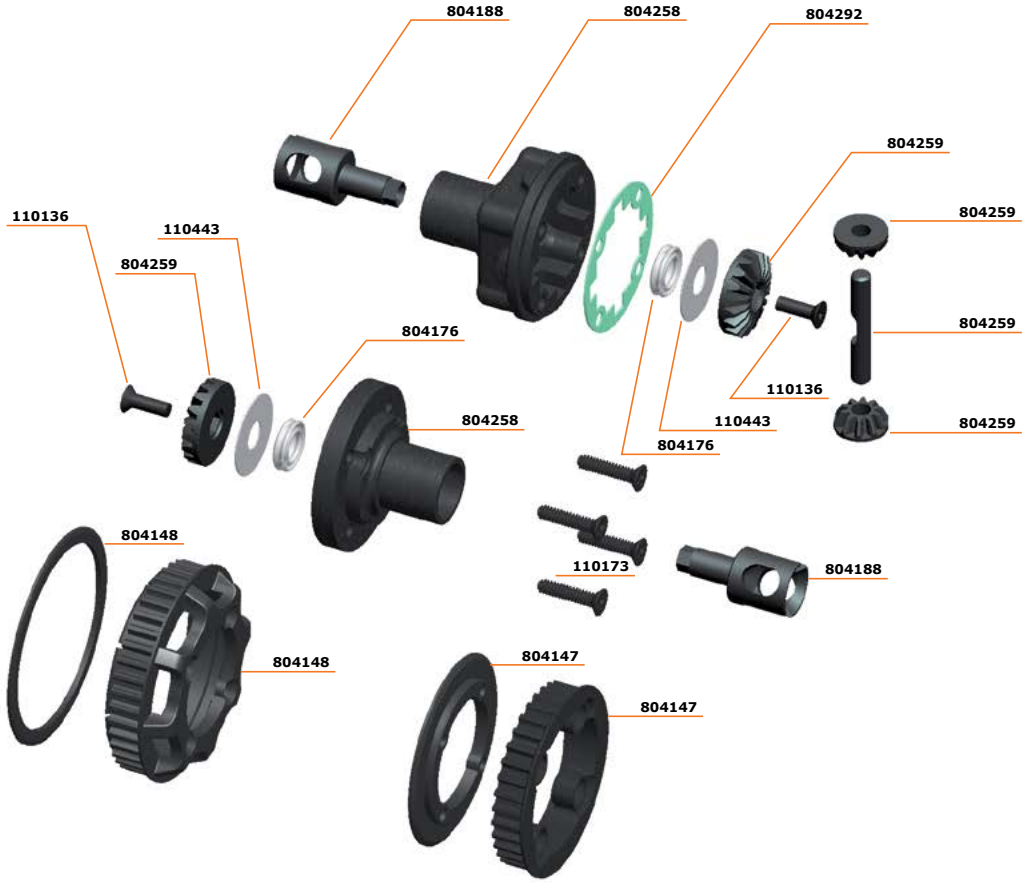
Contents

MID SHAFT ASSEMBLY	**16**
DIFF ASSEMBLY II	**16**
TRANSMISSION ASSEMBLY	**17**
FRONT ASSEMBLY	**18**
REAR ASSEMBLY	**19**
SHOCKS ASSEMBLY	**20**
FINAL ASSEMBLY I	**21**
FINAL ASSEMBLY II	**22**
PARTS-LIST	**23**

MID SHAFT ASSEMBLY

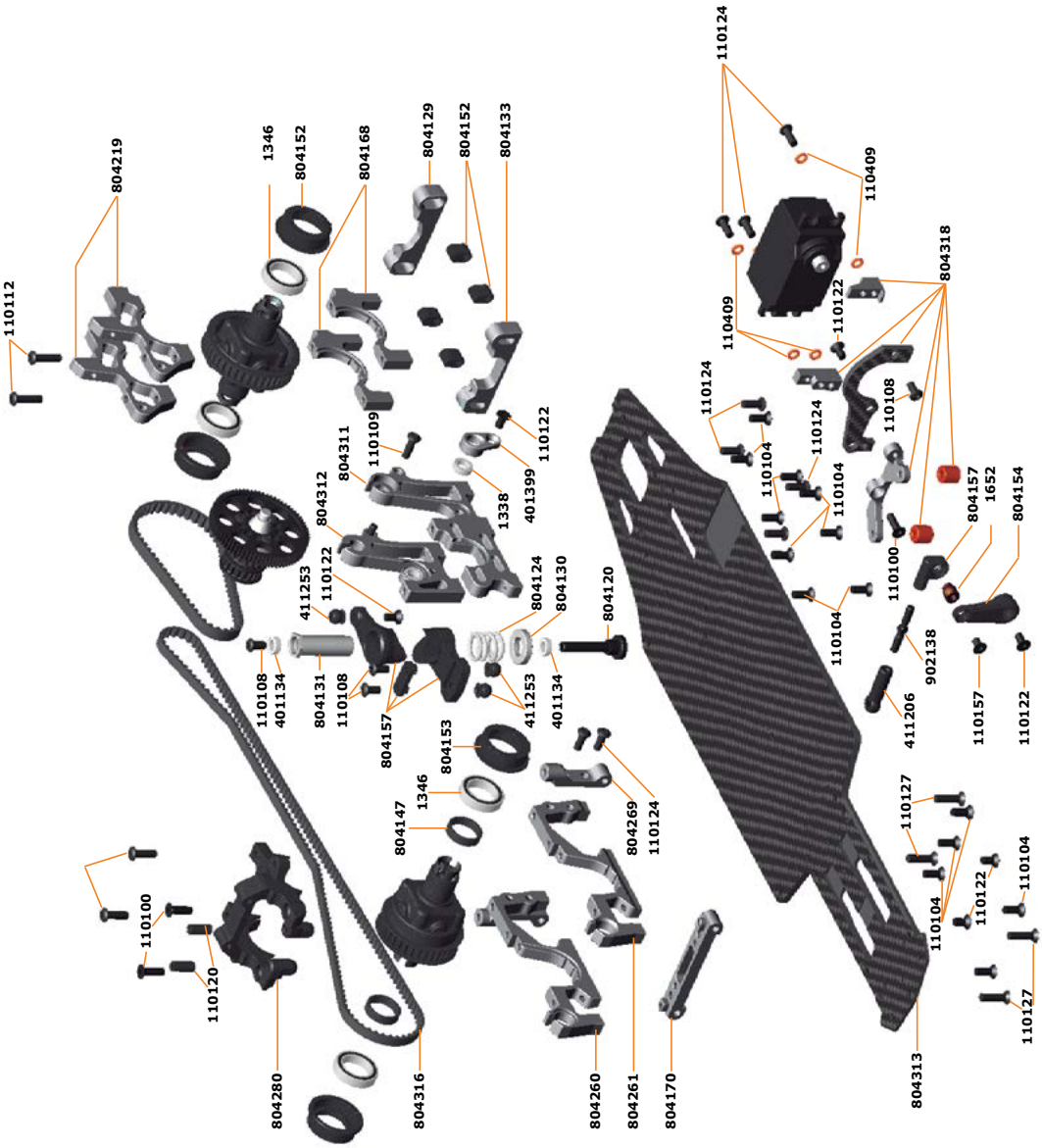


DIFF ASSEMBLY

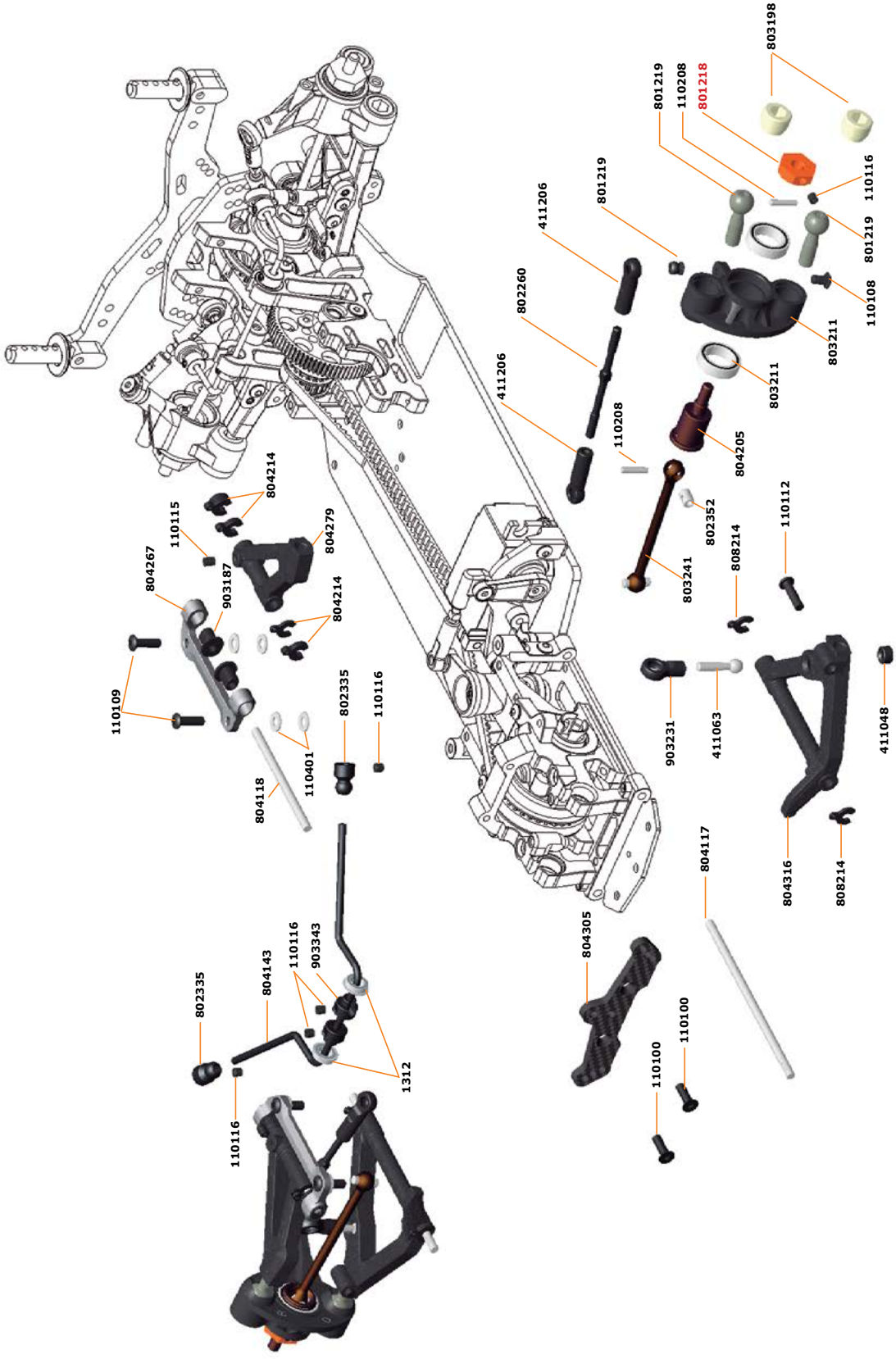


804257 Geardiff uni 1/10 GP
804259 Geardiff uni 1/10 GP revision set

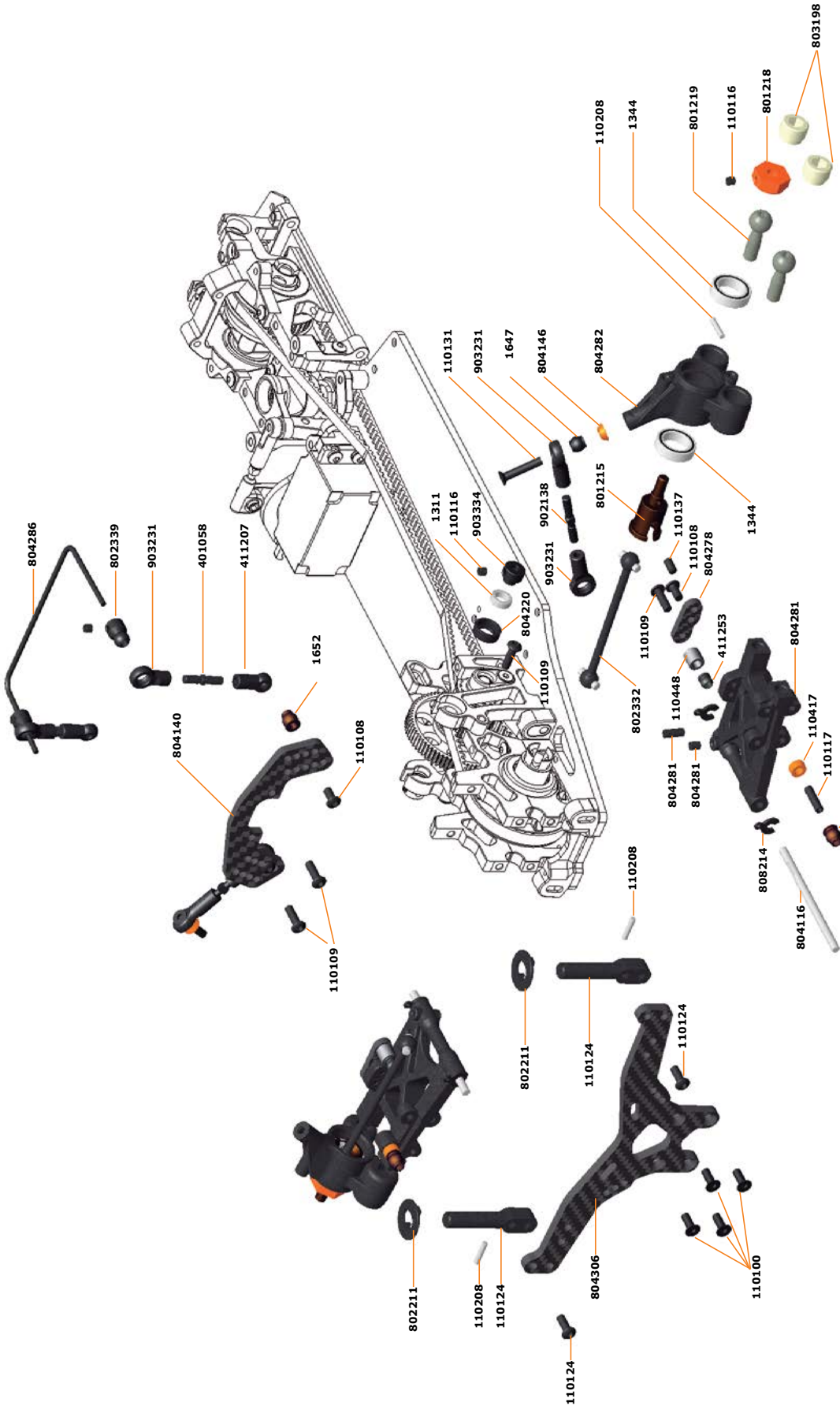
TRANSMISSION-STEERING ASSEMBLY



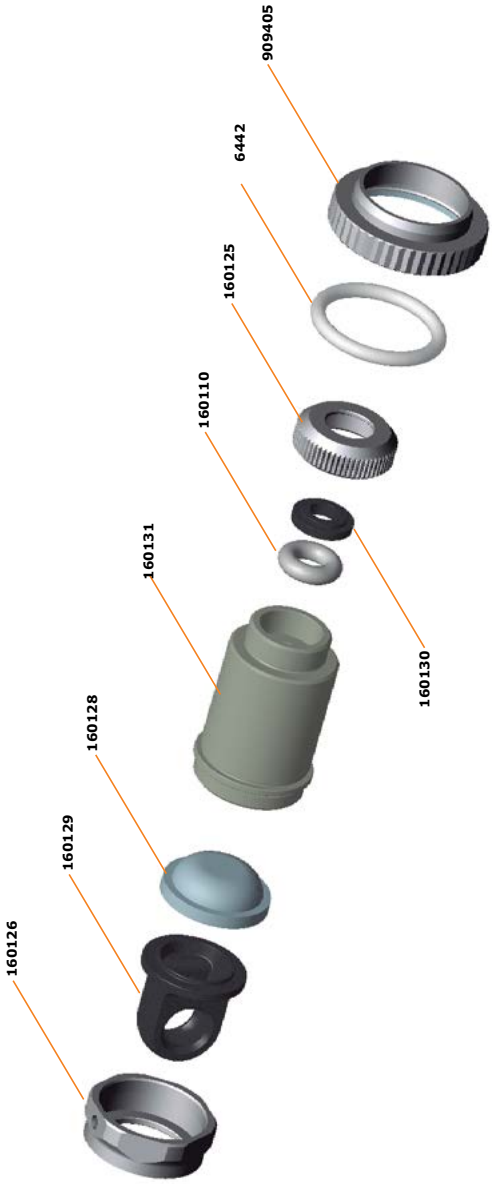
FRONT ASSEMBLY

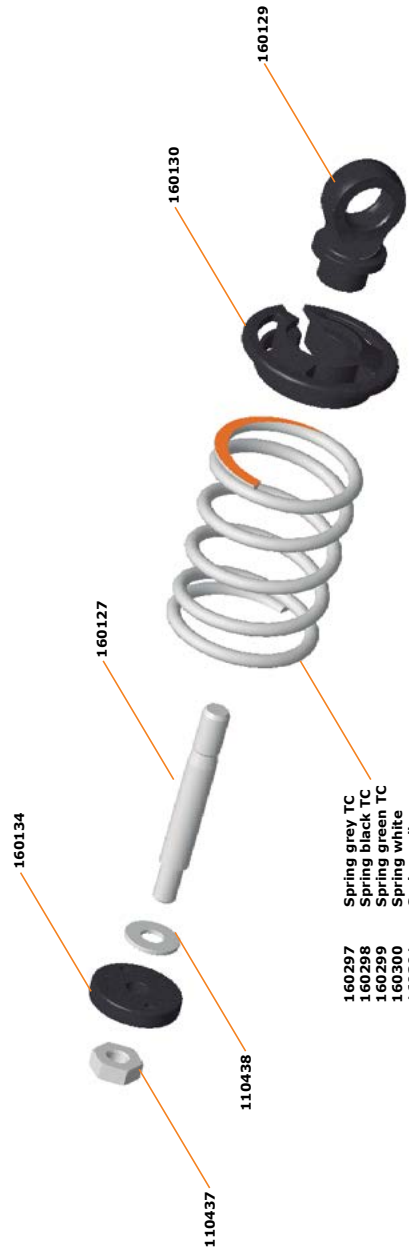


REAR ASSEMBLY



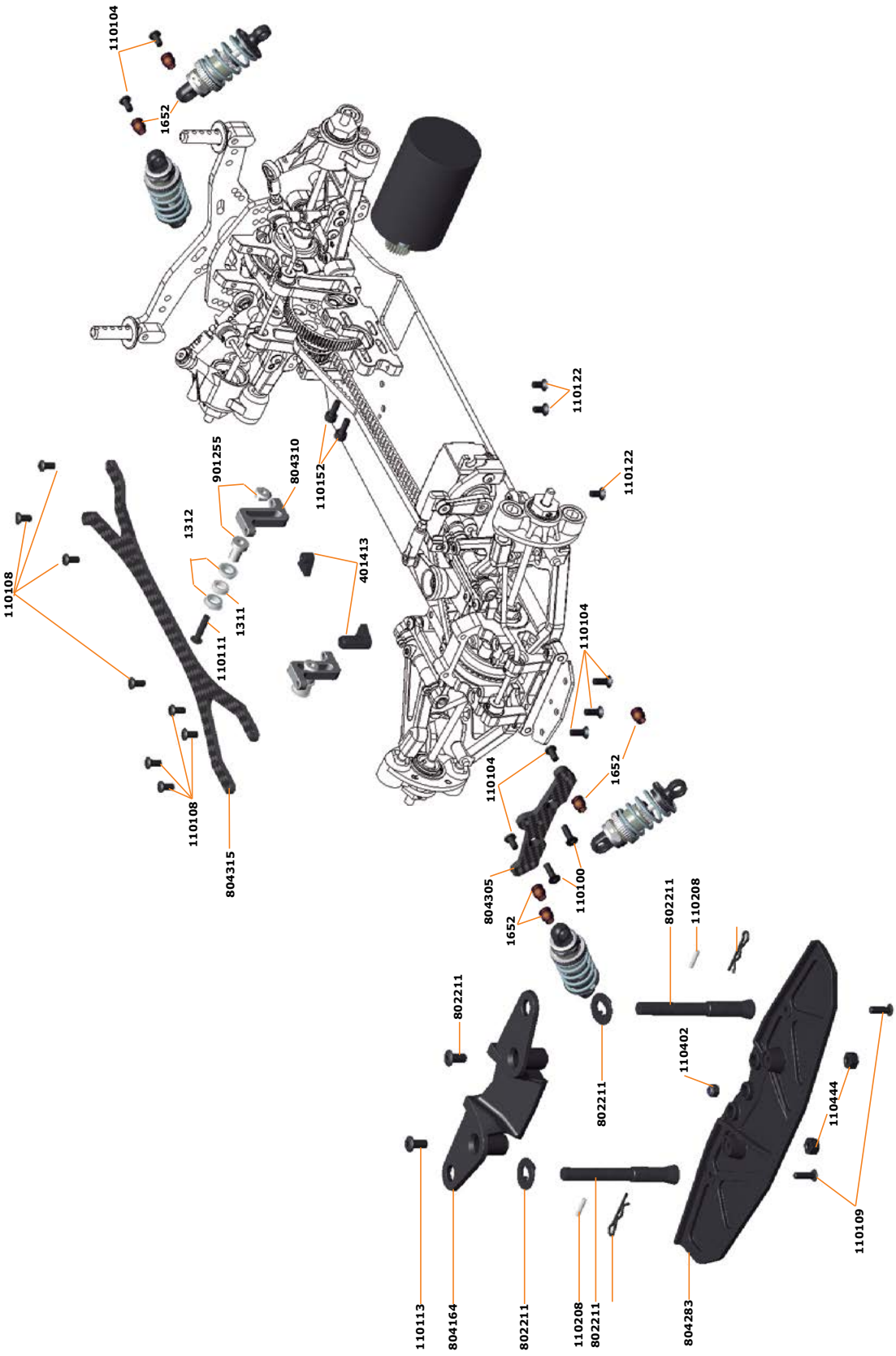
SHOCKS ASSEMBLY



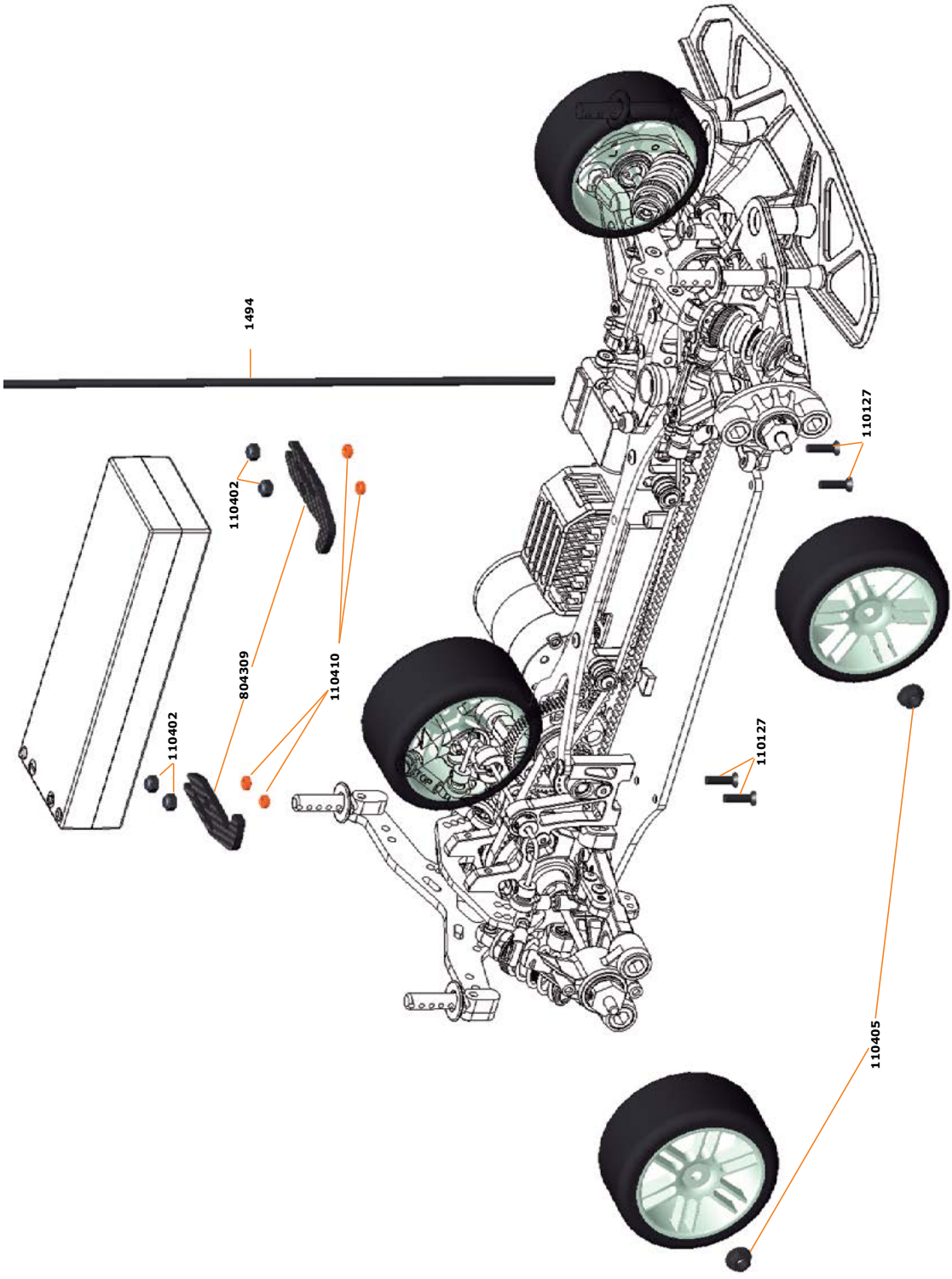


160297	Spring grey TC
160298	Spring black TC
160299	Spring green TC
160300	Spring white
160301	Spring yellow
160302	Spring orange
160303	Spring red
160304	Spring Pink
160305	Spring blue
160306	Spring purple
160310	Spring-set L23 (5x2)

FINAL ASSEMBLY I



FINAL ASSEMBLY II



PARTS-LIST CONVERSION KIT

Part no	Description
804006	SERPENT 747E 1/10

MANUAL, DECALS

1886	Decal serpent black/white 1/10 (2)
1888	Decal serpent chrome 1/10 (2)
804297	Decal sheet 747 black/white (2)
804298	Decal sheet 747 chrome (2)

RADIO INSTALLATION / BATTERY

1070	Grommet rubber soft (4)
804154	Servo levers steering (3)
804318	Servomount set 747E

Optionals

804214	Steering lever 23T alu
804215	Steering lever 24T alu
804216	Steering lever 25T alu

SERVO SAVER AND STEERING

1650	Steel balls 5.8mm (4)
1652	Steel balls 5.8mm long (4)
401091	Balljoint-4-5 (12)
411253	Pivotball uni 4.5mm (4)
802260	Track-rod 47mm l+r (2)
804120	Servo saver axle
804124	Servo saver Spring
804130	Servo saver nut
804131	Servo saver shaft
804154	Servo levers steering (3)
804157	Servo saver set nylon
804318	Servomount set 747E
902138	Rod 23mm set (2)
903231	Balljoint set 14+6+2

Optionals

401500	Pivotball uni 4.5mm alu (4)
802261	Track-rod 47mm L+R Titan (2)
804213	Servo saver top + bottom alu (2)
804214	Steering lever 23T alu
804215	Steering lever 24T alu
804216	Steering lever 25T alu
804252	Pivotball 5.8mm alu coated (4)
804253	Pivotball 5.8mm alu coated long (4)

SHOCK ABSORBERS

6442	O-ring adj.nut (10)
160110	Shock RCM bottom O-ring (8)
160124	Shock set RCM-SS (2)
160125	Shock RCM-SS bottom (2)
160126	Shock RCM-SS top nut (2)
160127	Shock RCM-SS shaft (2)
160128	Shock RCM membrame soft (4)
160129	Shock end frame RCM-SS (4+4)
160130	Shock spring support + bushing RCM-SS (4+4)
160131	Shock RCM -SS body alu (2)
160134	Shock pistons set RCM (2x4)
909405	Shock adj nut alu +o-ring (4)

Optionals

160107	Shock RCM membrame (4)
160132	Shock bushing delrin RCM -SS (4)
160133	Shock shaft Tin coated RCM-SS (2)

SHOCK SPRINGS

160297	Spring grey short (2.6/14.8) TC (2)
160298	Spring black short (2.9/16.5) TC (2)
160299	Spring green short (3.5/19.9) TC (2)
160300	Spring white L23 (2.3/13) (2)
160301	Spring yellow L23 (2.8/16) (2)
160302	Spring oranje L23 (3.4/19.5) (2)
160303	Spring red L23 (4.1/23.5) (2)
160304	Spring pink L23 (4.0/28) (2)
160305	Spring blauw L23 (5.8/33) (2)
160306	Spring paars L23 (6.8/39) (2)
160307	Spring groen L23 (8/45.5) (2)
160308	Spring grijs L23 (9/51.5) (2)
160309	Spring black L23 (10/57) (2)
160310	Spring-set L23 (5x2)

CHASSIS

804313	Chassis carbon 747E
804315	Topdeck carbon 747E

BODYMOUNTS FR and RR

1667	Body clip medium (10)
802211	Bodymount adjustable front (3)
802361	Bodymount adjustable rear (2)
804164	Bodyplate front

Optionals

802212	Body-mount alu (2 long+1short)
802362	Body-mount alu short rear (2)
804293	Body support washers med + high (5+5)
804295	Bumperplate carbon 747
804296	Body support rear (2)

FRONT SECTION

1650	Steel balls 5.8mm (4)
1652	Steel balls 5.8mm long (4)
401058	Rod 16mm steel (4)
401091	Balljoint-4-5 (12)
401092	Balljoint-4-5-short (10)
411048	Adjust Nut for Front Suspension
411063	Pivot Ball Upper Suspension Arm
411253	Pivotball uni 4.5mm (4)
801219	Ball 8.5mm alu short (4)
802260	Track-rod 47mm l+r (2)
802335	Arb ball 3mm (2)
802352	Cvd insert (2)
802354	Pin 3x9.8mm (4)
803134	Spacer arb RR 720 (2)
803198	Adj nut nylon (10)
803212	Steeringblock 1 degr. L+R
803240	Cvd shaft-set complete pro (2)
803241	Cvd driveshaft pro (2)
804110	Wishbone front lw L+R
804117	Pivot pin fr lw (2)
804118	Pivot pin fr up (2)
804120	Servo saver axle
804143	Antiroll bar fr 2.5mm
804147	Diff pully front
804153	Eccenters front
804154	Servo levers steering (3)
804164	Bodyplate front
804257	Geardiff uni 1/10 GP
804260	Bearingblock 747 FR L
804261	Bearingblock 747 FR R
804267	Suspension bracket 747 FR UP (2)
804269	Suspension bracket 747 FR LW (2)
804279	Wishbone 747 FR UP (2)
804280	Bearing bracket 747 FR UP
804283	Bumper 747
804284	Wheelhexagon -1mm (2)
804305	Shocktower carbon 747 fr low
804316	Belt 40S3M516 low friction
808214	Spacer-set caster
902138	Rod 23mm set (2)
903231	Balljoint set 14+6+2

Optionals
401154 rod 16mm titan (2)
401155 rod 16mm alu (2)
401433 Weight set brass 5gr - 12gr - 20gr (2+1+1)
401500 Pivotball uni 4.5mm alu (4)
801218 Wheel hexagons 0mm (2)
802255 Wheel hexagons 0mm clamp (4)
802261 Track-rod 47mm L+R Titan (2)
803211 Steeringblock 0 degr. L+R
804141 Antiroll bar fr 1.8mm
804142 Antiroll bar fr 2.2mm
804144 Antiroll bar fr 2.8mm
804177 Antirollbar set front (4)
804194 Wheel hexagons +1mm clamp (4)
804195 Wheel hexagons -1mm clamp (4)
804207 Wishbone front lw L+R Hard
804210 Suspension bracket FR alu L+R (2)
804214 Steering lever 23T alu
804215 Steering lever 24T alu
804216 Steering lever 25T alu
804252 Pivotball 5.8mm alu coated (4)
804253 Pivotball 5.8mm alu coated long (4)
804254 Anti-roll bar bal 3.0mm alu (2)
804295 Bumperplate carbon 747

MIDDLE SECTION
401399 Bearingmount middleshaft alu
804112 Pulley 2sp shaft 20+21T (2)
804113 Pulley middle 18+21T (2)
804221 Bushing rear anti-roll bar L+R 733/966 V2 (2)
804309 Batterymount Carbon 747E
804310 Belt tensioner bracket 747E (2)
804311 Bracket middleshaft L 747E
804312 Bracket middleshaft R 747E
804317 Midshaft 747E
901255 Belt tensioner set

Optionals
401433 Weight set brass 5gr - 12gr - 20gr (2+1+1)
804196 Pully 18T mid alu
804197 Pully 21T mid side alu
401566 Battery strap velcro

REAR SECTION
1647 Balls 6mm (4)
1650 Steel balls 5.8mm (4)
1652 Steel balls 5.8mm long (4)
401091 Balljoint-4-5 (12)
401092 Balljoint-4-5-short (10)
411253 Pivotball uni 4.5mm (4)
801218 Wheelhexagon alu 0mm (2)
802332 Driveshaft (2)
802339 Ball anti-roll bar 2,5mm (2)
803134 Spacer anti-roll bar RR 720 (2)
804116 Pivot pin rr lw (2)
804129 Rearplate narrow
804133 Suspension bracket rr fr narrow
804140 Camberlink bracket rear
804146 Shim conical 3x2mm (4)
804148 Diff pully rear
804152 Eccenters rear
804168 Bearingblock rr
804202 Belt Rear 50S3M186
804219 Bearingblock rear upper 733 V2
804232 Shim 3x6x3 (4)
804257 Geardiff uni 1/10 GP
804278 Anti-rollbar bracket carbon RR (2)
804281 Wishbone 747 RR LW medium (2)
804282 Upright 747 (2)
804286 Anti-roll bar RR 1,8mm
804306 Shocktower carbon 747 rr low
902138 Rod 23mm set (2)
903231 Balljoint set 14+6+2

Optionals
401433 Weight set brass 5gr - 12gr - 20gr (2+1+1)
401500 Pivotball uni 4.5mm alu (4)
801218 Wheelhexagon alu 0mm (2)
802255 Wheel hexagons 0mm clamp (4)
803135 Anti-roll bar RR 2.5mm
803168 Anti-roll bar RR 2.3mm
804128 Rearplate wide
804132 Suspension bracket rr fr wide
804194 Wheel hexagons +1mm clamp (4)
804203 Belt Rear 50S3M186 Low Friction
804206 Wishbone rear lw L+R Hard
804229 Upright alu / inserts 733 (2+2)
804230 Insert upright alu 733 (2)
804277 Shock bracket carbon L+R RR
804287 Anti-roll bar RR 1,9mm
804288 Anti-roll bar RR 2,0mm
804289 Anti-roll bar RR 2,1mm
804290 Anti-roll bar RR 2,2mm
804294 Wishbone 747 RR LW hard (2)
804251 Pivotball 5.8mm d-s alu coated (4)
804252 Pivotball 5.8mm alu coated (4)
804253 Pivotball 5.8mm alu coated long (4)
804254 Anti-roll bar bal 3.0mm alu (2)

TRANSMISION
801215 Wheelaxle (2)
802332 Driveshaft (2)
802352 Cvd insert (2)
802354 Pin 3x9.8mm (4)
803240 Cvd shaft-set complete pro (2)
803241 Cvd driveshaft pro (2)
804147 Diff pully front
804148 Diff pully rear
804176 Geardiff x-ring (4)
804187 Oil set 733 diff-shock (3)
804188 Gear diff outdrive (2)
804202 Belt Rear 50S3M186
804257 Geardiff uni 1/10 GP
804258 Geardiff uni 1/10 GP housing
804259 Geardiff uni 1/10 GP revision set
804292 Diff gasket 1/10 GP (3)
804316 Belt 40S3M516 low friction

Optionals
801218 Wheel hexagons 0mm (2)
802255 Wheel hexagons 0mm clamp (4)
804184 Front one-way axle set
804185 Front solid axle
804194 Wheel hexagons +1mm clamp (4)
804195 Wheel hexagons -1mm clamp (4)
804203 Belt Rear 50S3M186 Low Friction
804284 Wheelhexagon -1mm (2)

BALL-BEARINGS
1311 Ballbearing 5x8x2.5 (2)
1312 Ballbearing 5x8 mm flanged (2)
1344 Ball-bearing 10x15x4 hs (2)
1346 Ball-bearing 12x18 hs (2)

Spur Gears
120015 Spur gear 48P / 69T
120016 Spur gear 48P / 72T
120017 Spur gear 48P / 75T

Pinions
120155 Motor-pinion alu hard 48P / 17T

120156 Motor-pinion alu hard 48P / 18T
120157 Motor-pinion alu hard 48P / 19T
120158 Motor-pinion alu hard 48P / 20T
120159 Motor-pinion alu hard 48P / 21T
120160 Motor-pinion alu hard 48P / 22T
120161 Motor-pinion alu hard 48P / 23T
120162 Motor-pinion alu hard 48P / 24T
120163 Motor-pinion alu hard 48P / 25T
120164 Motor-pinion alu hard 48P / 26T
120165 Motor-pinion alu hard 48P / 27T

FASTNERS

110101 Screw allen countersunk m4x8 (10)
110102 Screw allen countersunk m4x10 (10)
110103 Screw allen countersunk m4x16 (10)
110104 Screw allen countersunk m3x8 (10)
110105 Screw allen countersunk m4x12 (10)
110106 Screw allen flanged roundhead m5x12 (10)
110107 Screw allen cilinderhead m3x16 (10)
110108 Screw allen roundhead m3x6 (10)
110109 Screw allen roundhead m3x10 (10)
110110 Screw allen roundhead m3x16 (10)
110111 Screw allen roundhead m3x14 (10)
110112 Screw allen roundhead m3x12 (10)
110113 Screw allen roundhead m4x8 (10)
110114 Setscrew allen m3x8 (10)
110115 Setscrew allen m3x4 (10)
110116 Setscrew allen m3x3 (10)
110117 Setscrew allen m3x12 (10)
110118 Setscrew allen m4x4 (10)
110119 Setscrew allen m4x6 (10)
110120 Setscrew allen m4x10 (10)
110121 Setscrew allen m5x6 (10)
110122 Screw allen countersunk m3x6 (10)
110123 Screw philips roundhead 3.5x13 (10)
110124 Screw allen roundhead m3x8 (10)
110125 Screw allen countersunk m3x20 (10)
110126 Screw allen countersunk m2.5x12 (10)
110127 Screw allen countersunk m3x12 (10)
110128 Screw allen roundhead m3x5 (10)
110129 Screw allen cilinderhead m3x10 (10)
110130 Screw allen roundhead m2.5x6 (10)
110131 Screw allen roundhead m2.5x10 (10)
110132 Screw allen countersunk m3x16 (10)
110133 Screw philipshead countersunk 2.5x8 wide (10)
110134 Screw philipshead countersunk 2.5x10 wide (10)
110135 Screw allen countersunk M2.5x10 (10)
110136 Screw allen countersunk M2.5x8 (10)
110137 Setscrew allen M3x6 (10)
110138 Screw allen countersunk M4x14 (10)
110139 Screw allen countersunk M3x40 (10)
110140 Screw allen roundhead M3x20 (10)
110141 Screw allen roundhead M3x22 (10)
110142 Screw allen roundhead M3x25 (10)
110143 Screw allen roundhead M4x18 (10)
110144 Screw allen roundhead M3x18 (10)
110145 Screw allen roundhead flanged M3x12 (10)
110146 Screw allen roundhead flanged M3x16 (10)
110147 Screw ph roundhead M2.5x5 (10)
110148 Setscrew allen M5x4 (10)
110149 Screw allen countersink M2x10 (10)
110150 Screw M6x12 nylon black (2)
110151 Screw allen cilinderhead M4x10 (10)
110152 Screw allen cilinderhead M3x8 (10)
110153 Screw allen roundhead M2.3x4(10)
110154 Setscrew allen M3x10 (10)
110155 Setscrew allen M3x5 (10)
110156 Screw allen countersunk M2.2x6 (10)
110157 Screw allen countersunk M3x5 (10)
110158 Screw allen countersunk M3x15 (10)
110159 Screw allen countersunk M3x18 (10)
110160 Screw allen cilinderhead M2.2x12 (10)
110161 Screw allen cilinderhead M2x6 (10)
110162 Setscrew allen M3x2.5 (10)
110163 Setscrew allen M3x2 (10)
110164 Screw allen roundhead M3x4 (10)
110165 Screw allen cilinderhead M2x5 (10)
110166 Screw allen countersunk M2.5x5 (10)
110167 Screw allen roundhead flanged M3x18 (10)
110168 Screw allen roundhead flanged M3.5x10 (10)
110169 Screw allen roundhead flanged M4x10 (10)
110170 Screw allen roundhead flanged M3x28 (10)
110171 Screw ph roundhead widethread 2.5x6 (10)
110172 Screw allen roundhead flanged M3X6 (10)
110173 Screw ph countersunk widethread 2.5x12 (10)
110174 Screw allen countersunk M4x6 (10)
110175 Screw allen cilinderhead M3x40 (10)
110176 Screw allen cilinderhead M3x18 (10)
110177 Screw allen roundhead M4x12 (10)
110178 Screw allen cilinderhead M3x14 (10)
110179 Screw allen roundhead M2.5x8 (10)
110180 Setscrew allen M5x10 (10)
110181 Screw M5x10 + Nut nylon black (4+4)
110182 Screw allen roundhead M2x4 (10)
110183 Screw allen countersunk M3x10 (10)
110184 Screw allen countersunk M3x14 (10)
110185 Screw allen cilinderhead M3x30 (10)
110186 Screw allen cilinderhead M3x35 (10)
110187 Setscrew allen M3x16 (10)
110200 Pin 2.5x8 (10)
110201 Pin 3x12 (10)
110202 Pin 5x5 (10)
110203 Pin 3x14 (10)
110204 Pin 3x20 (10)
110205 Pin 3x22 (10)
110206 Pin 2.5x22 (10)
110207 Pin 2.5x12 (10)
110208 Pin nra 2x9.8 (4)
110209 Pin nra 2x18 (4)
110210 Pin 3x13 (10)
110211 Pin 2.5x13 (10)
110212 Pin 2.5x17 (10)
110213 Pin 2.5x10 (10)
110214 Pin 3x15 (10)
110215 Pin 2x12 (10)
110216 Pin 2.5x15 (10)
110217 Pin 2x9 (10)
110218 Pin 3x10 (10)
110219 Pin 2x14 (10)
110220 Pin 1.5x8 (10)
110300 E-clip 2.3 (10)
110301 E-clip 3.2 (10)
110302 E-clip 4.0 (10)
110303 E-clip 5.0 (10)
110304 E-clip 7.0 (10)
110305 Seger clip 12x1.0 (10)
110306 E-clip 6.0 (10)
110307 E-clip 9.0 (10)
110400 Shim 6.0x10x0.2(10)
110401 Shim3.2x7x0.5 (10)

110402 Nut nylock M3 (10)
110403 Nut nylock M4 (10)
110404 Shim 6x8x0.3 (10)
110405 Nut nylock M4 flanged (10)
110406 Nut nylock M2.2 (10)
110407 Nut M3 (10)
110408 Shim 3X5X0.3 (10)
110409 Shim 3X5X1 (10)
110410 Shim 3X5X2 (10)
110411 Shim 3X5X4 (10)
110412 Shim 3.5X8X1 (10)
110413 Shim 3.5X12X0.2 (10)
110414 Shim 3X6X0.1 (10)
110415 Shim 3X6X0.5 (10)
110416 Shim 3X6X0.8 (10)
110417 Shim 3X6X3 (10)
110418 Shim 4X8X0.1 (10)
110419 Shim 4X9.5X1 (10)
110420 Shim 4X9.5X2(10)
110421 Shim 4X9.5X4(10)
110422 Shim 4X10X0.3 (10)
110423 Shim 5X8X0.1 (10)
110424 Shim 5X8X0.3 (10)
110425 Shim 5X10X0.3 (10)
110426 Shim 5X10X0.5 (10)
110427 Shim 5X15X0.3 (10)
110428 Shim 6.5X8X0.25 (10)
110429 Shim 6X11.75X0.2 (10)
110431 Shim 8X11X0.1 (10)
110432 Shim 8X11X0.2 (10)
110433 Shim 12X15X0.25 (10)
110434 Shim 12X18X0.3 (10)
110435 Shim 13X16X0.2 (10)
110436 Shim 3x5x3 (10)
110437 Nut M2.5 (10)
110438 Shim 2.5x6x0.5 (10)
110439 Shim 3x7.5x1 (10)
110440 Shim 2.5x5x0.4 (10)
110441 Nut nylock M3 flanged (10)
110442 Shim 4x8x0.6 (10)
110443 Shim 5x15x0.2 (10)
110444 Nut M4 nylon (10)
110445 Shim 4x10x0.2 (10)
110446 Shim 5x15x0.2 (10)
110447 Shim 3x7x7 (10)
110448 Shim 3x6x6 (10)
110449 Shim 3x6x1 (10)
110450 Nut M2 (10)
110451 Nylock nut M4 flanged alu (10)
110452 Nut M4 flanged knurled (10)

Merchandising

1891 Serpent medium promo decal 20x12.5 (2)
1892 Serpent windowshop decal 20x12.5 (2 sided)
1893 Serpent decal XL (30x60cm)
1895 Shopping-bag Serpent orange
1897 Towel Serpent large
1898 Lanyard Serpent orange
190156 Polo shirt Serpent black-orange (S)
190157 Polo shirt Serpent black-orange (M)
190158 Polo shirt Serpent black-orange (L)
190159 Polo shirt Serpent black-orange (XL)
190160 Polo shirt Serpent black-orange (XXL)
190161 Polo shirt Serpent black-orange (XXXL)
190172 Winter jacket Serpent (S)
190173 Winter jacket Serpent (M)
190174 Winter jacket Serpent (L)
190175 Winter jacket Serpent (XL)
190176 Winter jacket Serpent (XXL)
190208 Winter jacket Serpent (4XL)
190188 T-shirt Serpent Splash orange (S)
190189 T-shirt Serpent Splash orange (M)
190190 T-shirt Serpent Splash orange (L)
190191 T-shirt Serpent Splash orange (XL)
190192 T-shirt Serpent Splash orange (XXL)
190193 T-shirt Serpent Splash orange (XXXL)
190194 T-shirt Serpent Splash black (S)
190195 T-shirt Serpent Splash black (M)
190196 T-shirt Serpent Splash black (L)
190197 T-shirt Serpent Splash black (XL)
190198 T-shirt Serpent Splash black (XXL)
190199 T-shirt Serpent Splash black (XXXL)
190201 Hoody sweater Serpent black-zip (S)
190202 Hoody sweater Serpent black-zip (M)
190203 Hoody sweater Serpent black-zip (L)
190204 Hoody sweater Serpent black-zip (XL)
190205 Hoody sweater Serpent black-zip (2XL)
190206 Hoody sweater Serpent black-zip (3XL)
190207 Hoody sweater Serpent black-zip (4XL))
190215 T-shirt Serpent WC edition black (S)
190216 T-shirt Serpent WC edition black (M)
190217 T-shirt Serpent WC edition black (L)
190218 T-shirt Serpent WC edition black (XL)
190219 T-shirt Serpent WC edition black (XXL)
190220 T-shirt Serpent WC edition black (XXXL)

Pit equipment

190500 Pit-caddy
190501 Tool-bag
190502 Pit-bag medium. 3 drawers
190504 Ballcup tool
190508 Toolset for offroad (20pcs) with Tools bag
190509 Allen wrench 1.5 x 120mm
190510 Allen wrench 2.0 x 120mm
190511 Allen wrench 2.5 x 120mm
190512 Allen wrench 3.0 x 120mm
190513 Ball driver Hex wrench 2.0 x 120mm
190514 Ball driver Hex wrench 2.5 x 120mm
190515 Ball driver Hex wrench 3.0 x 120mm
190516 Tool tip allen wrench 1.5 x 120mm
190517 Tool tip allen wrench 2.0 x 120mm
190518 Tool tip allen wrench 2.5 x 120mm
190519 Tool tip allen wrench 3.0 x 120mm
190520 Tool tip Ball driver Hex wrench 2.0 x 120mm
190521 Tool tip Ball driver Hex wrench 2.5 x 120mm
190522 Tool tip Ball driver Hex wrench 3.0 x 120mm
190523 Turnbuckle wrench 3mm
190524 Turnbuckle wrench 4mm
190525 Turnbuckle wrench 5mm
190526 Flat head screwdriver 3.0 x 150mm
190527 Flat head screwdriver 4.0 x 150mm
190528 Phillips screwdriver 2.0 x 45mm
190529 Phillips screwdriver 3.5 x 120mm
190530 Phillips screwdriver 5.8 x 120mm
190531 Nut driver 5.0 x 100mm
190532 Nut driver 5.5 x 100mm
190533 Nut driver 7.0 x 100mm
190534 Reamer with end cap for lexan body
190535 Exhaust spring / Caster clip remover
190536 Wrench-glowplug / Clutchnut - 10mm long
190537 Flywheel wrench tool wheel nut for 1/8 off road buggy
190538 Flywheel wrench
190539 Nut driver 4.5 x 100mm

747e

electric powered

Manual / ref guide 747e conversion kit version 1

www.serpent.com - info@serpent.com