

Instruction Manual

ELECTER

SERPENT

INTRODUCTION

Thank you very much for selecting this Serpent rc car and thus become a member of the ever growing worldwide Serpent racing family. Serpent started in 1980 and has been growing its product-line and fan -base ever since.

The Serpent Ervx 4.1 is a state of the art 1/10 scale 4wd touringcar which will give you the true Serpent racing experience. The assembly manual will guide you through all the steps to complete the car, so you can hit the track with a good base-set-up soonest. The Serpent design department succeeded to create a superbly performing car combined with eas of assembly and maintenance. The high quality standards of all parts and hardware will make racing your Serpent car a very rewarding activity!

Team Serpent Multiple World Champions

INSTRUCTIONS

Serpent's long tradition of excellence extends to the 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 race-car that will soon be able to unleash its full potential at the racetrack. 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.

PLASTIC PARTS

The Serpent moulded parts are very durable and hard. When assembling longer screws in new composite parts, make sure to use new hex bits in your (power) tools. Pre-threading also helps to avoid screw damage.

SETUP

In certain assembly steps you need to make basic adjustments, which will give you a good initial setup for your Serpent Eryx 4.1. Fine-tuning the initial setup is an essential part of building a high-performance racecar like your Serpent Eryx 4.1.

EXPLODED VIEWS AND PARTS LIST

The exploded views and parts lists for the Serpent Eryx 4.1 are presented in the Reference Guide section in the back of this manual. The exploded views show all the parts of a particular assembly step along with the Serpent part number and hotlink to the Serpent website. Partnumbers in orange indicates that this part is an optional. Optionals part names and numbers are showed below.

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.

586674

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.

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.

CONTENTS

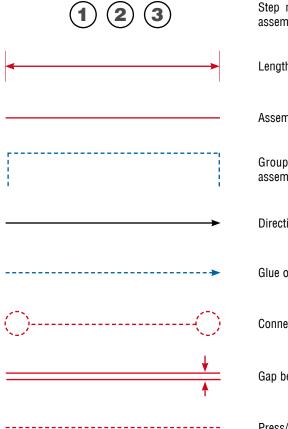
- DIFF ASSEMBLY 4 6 CENTRAL ASSEMBLY REAR I ASSEMBLY 8 FRONT I AND CENTRAL SHAFT 10 • STEERING ASSEMBLY 13 • REAR II ASSEMBLY 15 FRONT II ASSEMBLY SHOCKS ASSEMBLY 18 21 25
- FINAL ASSEMBLY

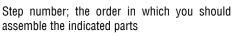
How to use the manual



LINES DESCRIPTION

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





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

Connect one item to another

Gap between two items

Press/Insert one item into another



Each step contains a variety of symbols described below.



Carefull, read and check very well.



Apply a small amount of cyano glue. Use wear protection for eyes and hands.



Detail view to explain assembly or order of parts better.

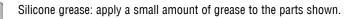


Default set-up: This symbol indicates the default setup.



Grease: apply a small amount of grease to the parts shown.







Thread lock: apply a small amount on the parts shown. Before to apply the threadlock, make sure to degrease the parts very well, as otherwise the threadlock will not work.



Silicone oil: use the indicated silicone oil for the shocks and differentials.



L=R

OD

Oil: apply a small amount of oil to the parts shown.

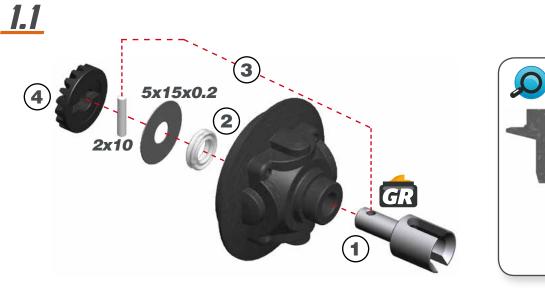
Left and right parts should be assembled in the same way.

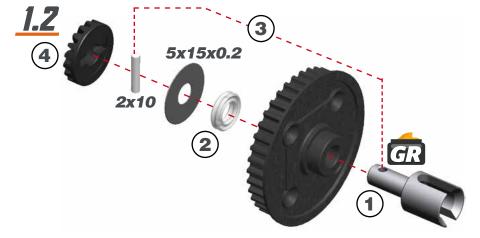
Parts or items not included in the kit.

Optional part, not standard in the kit.

REAR DIFF ASSEMBLY

STEP 1 DIFF BAG







Note the correct pin location.



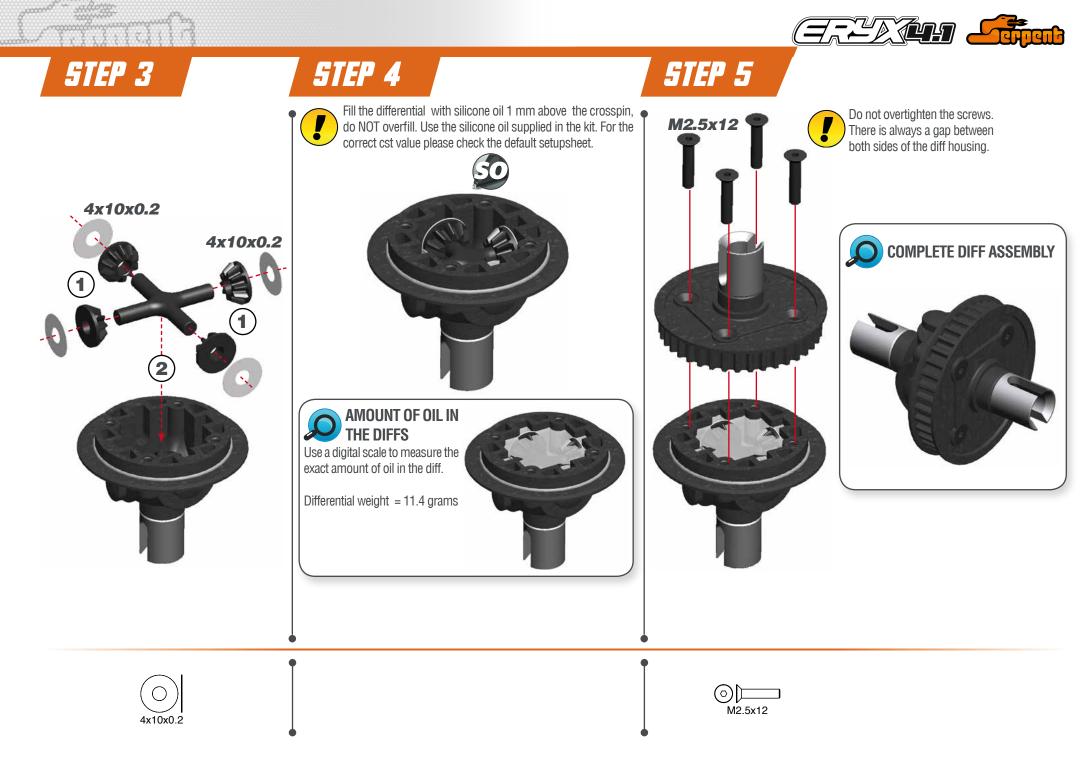
STEP 2

1- Fit the o ring before filling the diff with silicone oil.

2-Add just enough oil to cover the large gear before assembling the small satellite gears and cross pins. Use the silicone oil supplied in the kit. For the correct cst value please check the default setupsheet.

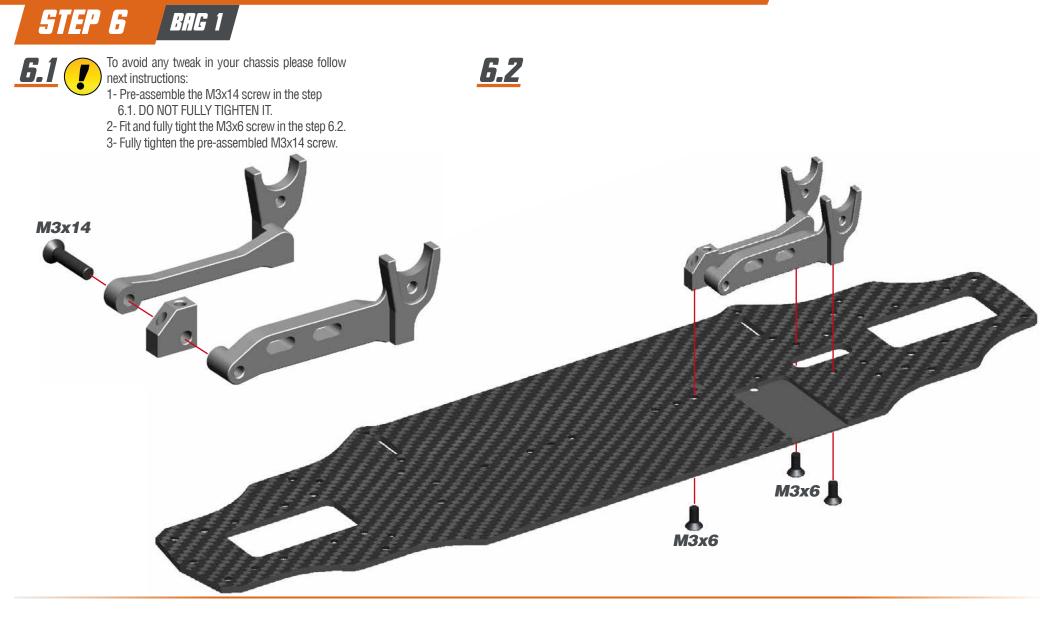






CENTRAL ASSEMBLY

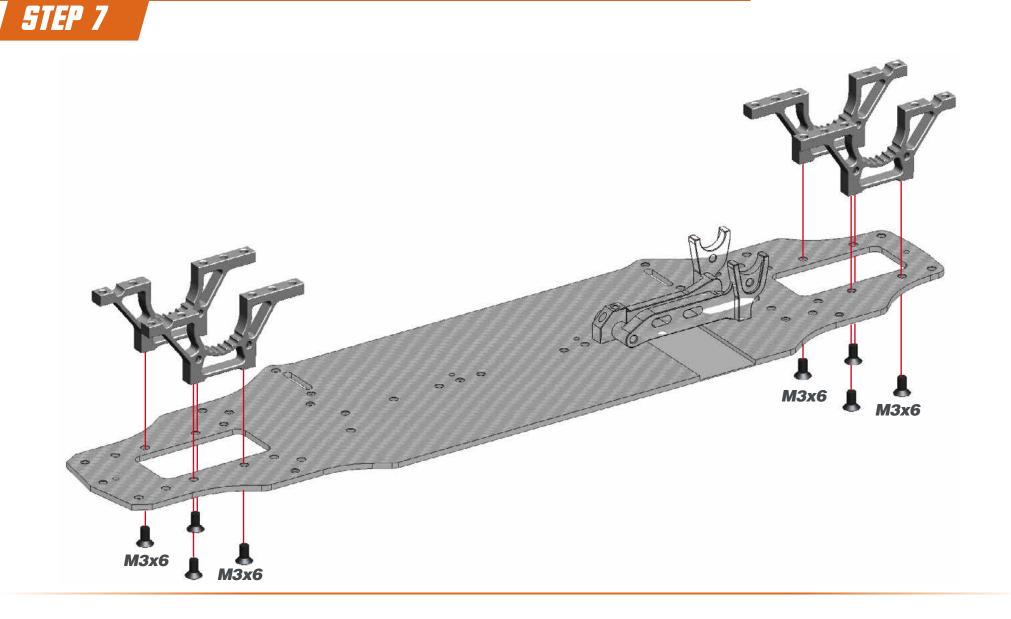










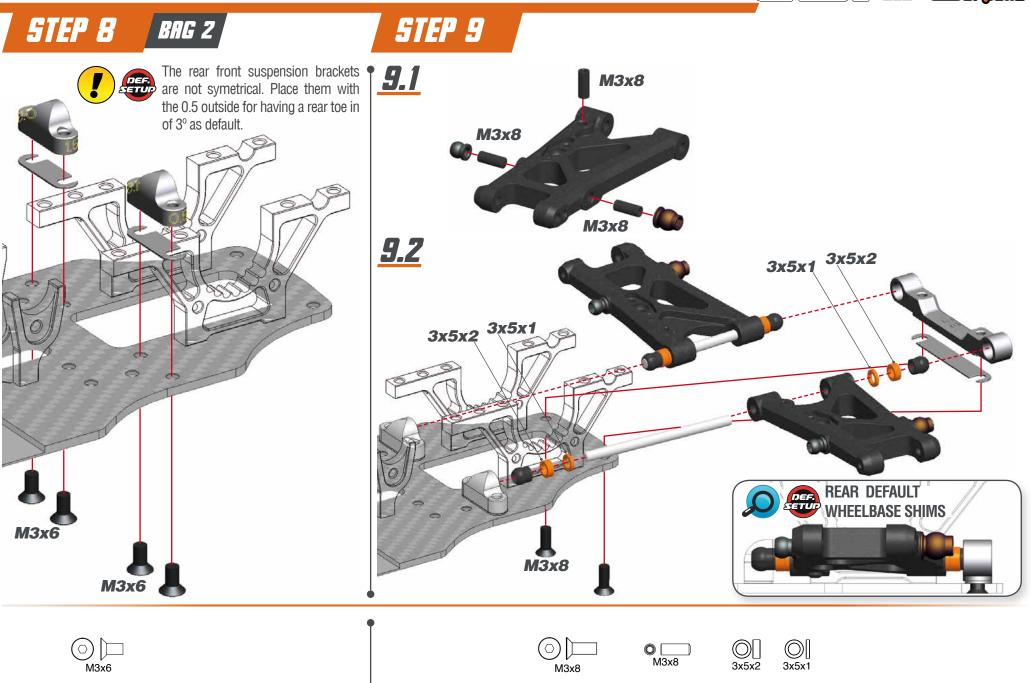


() M3x6

7



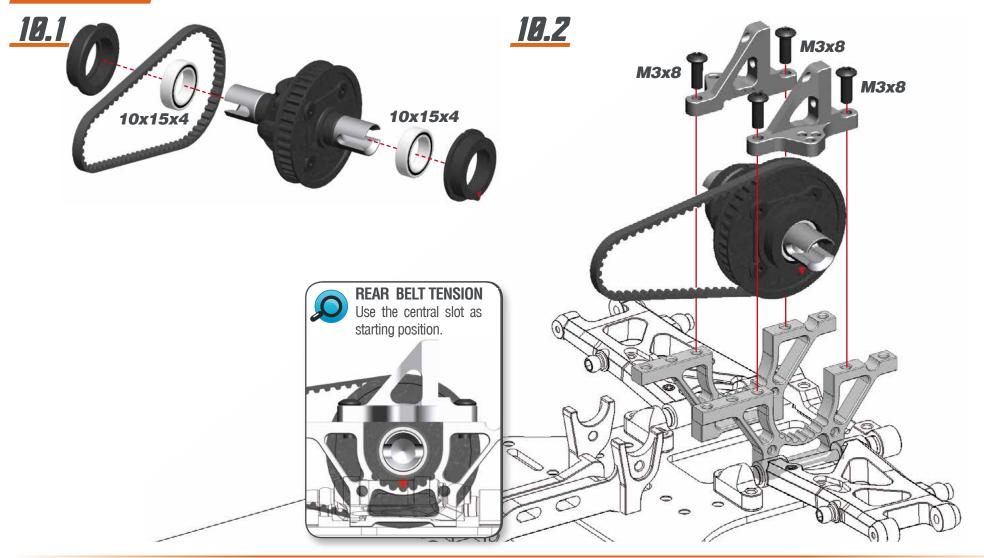






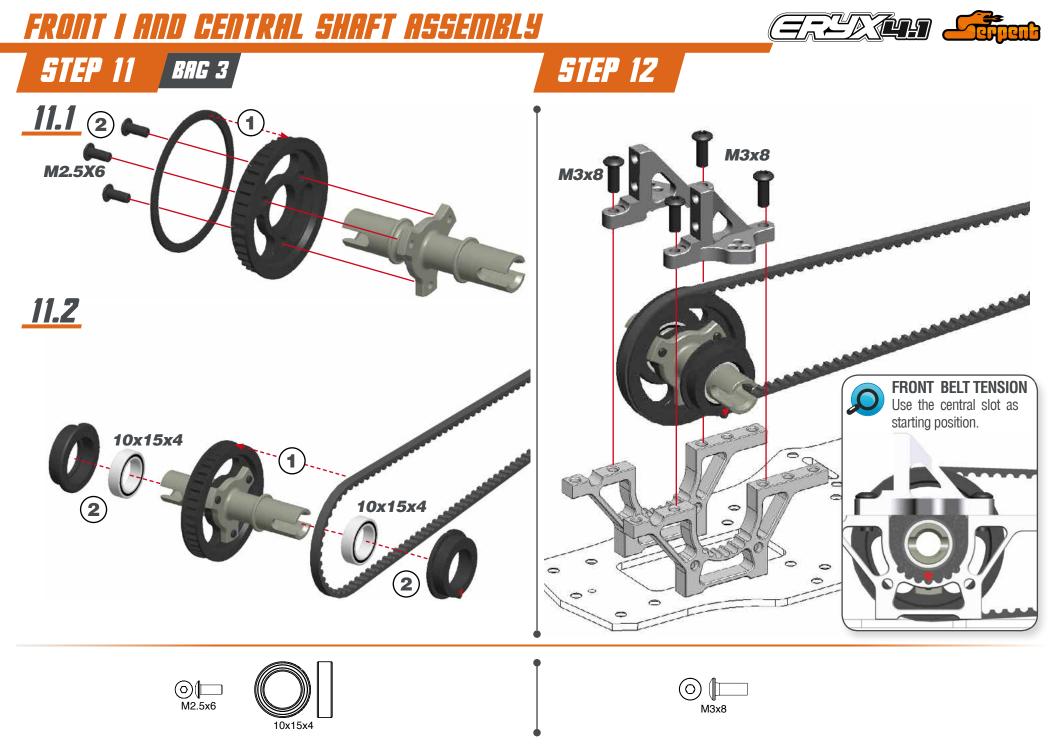


STEP 10







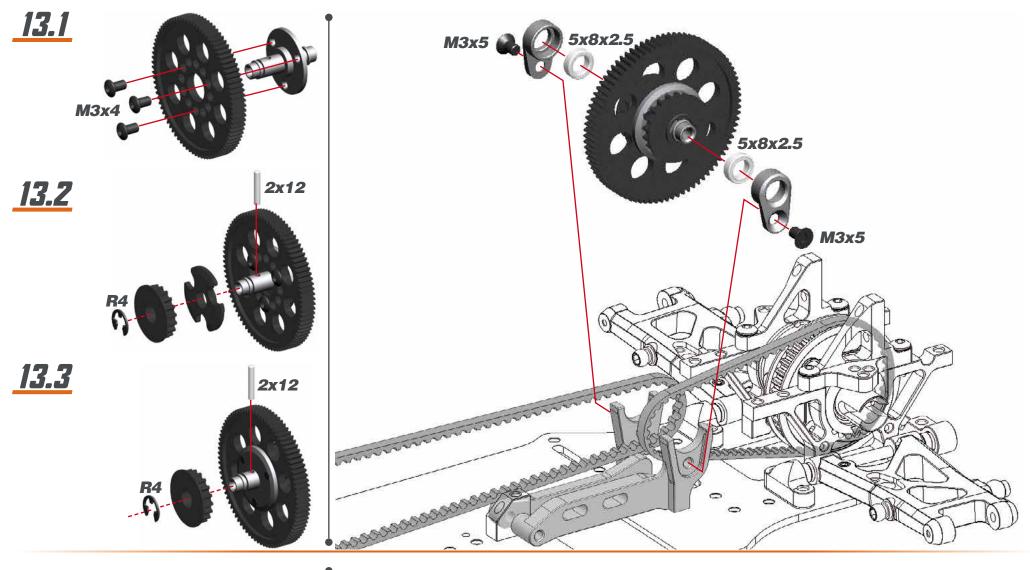






STEP 13

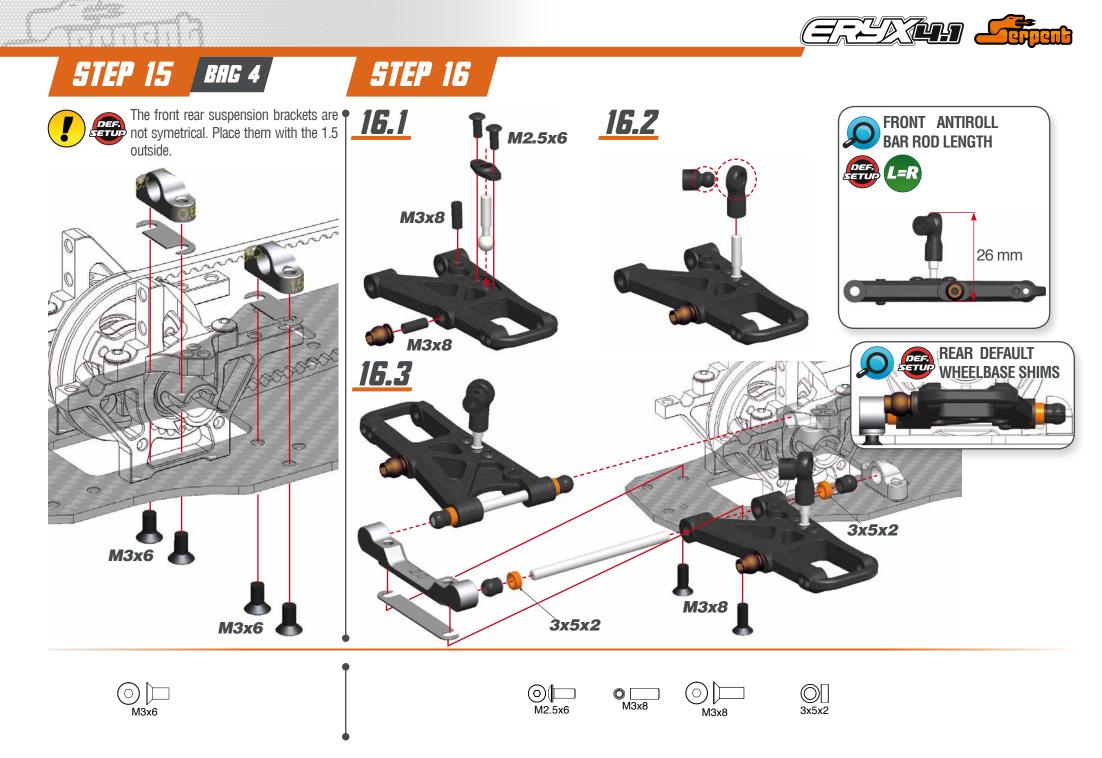


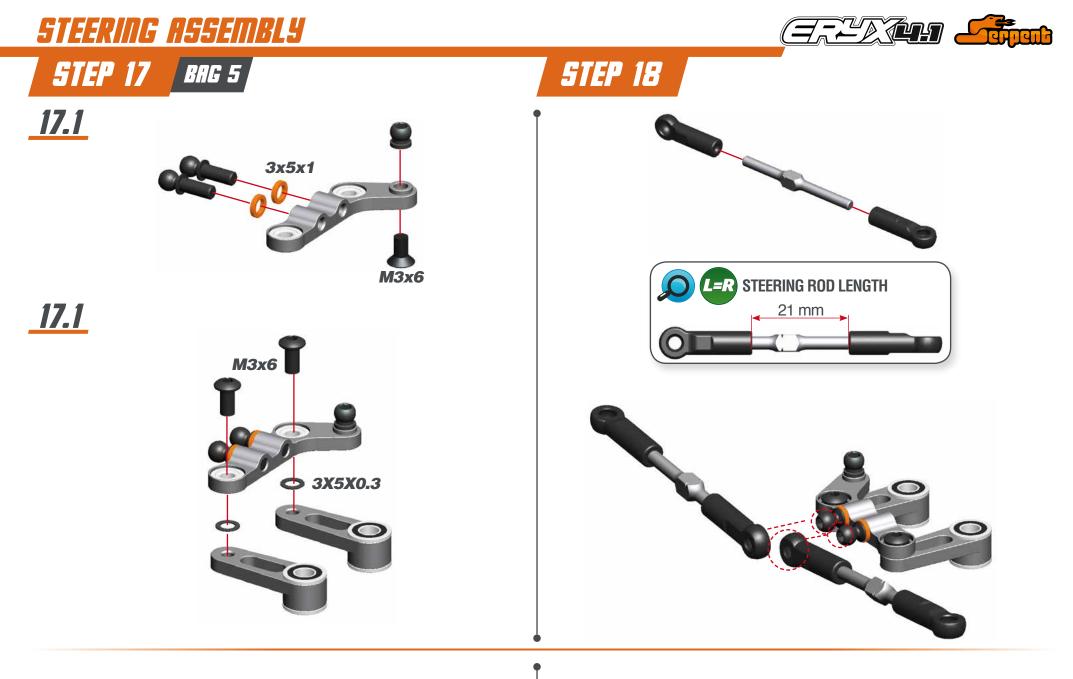










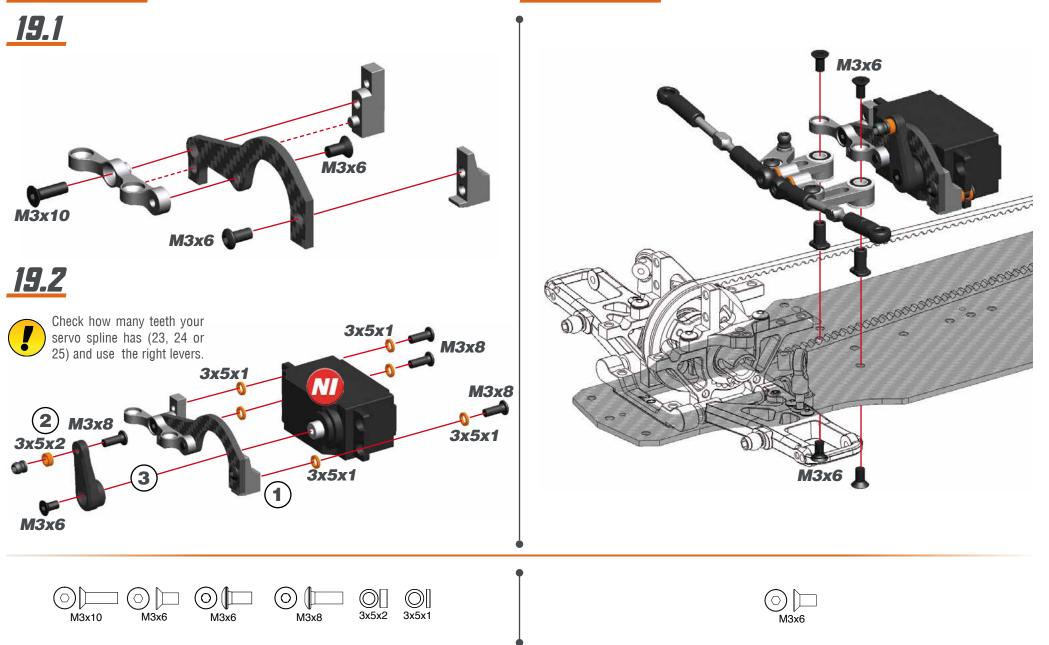


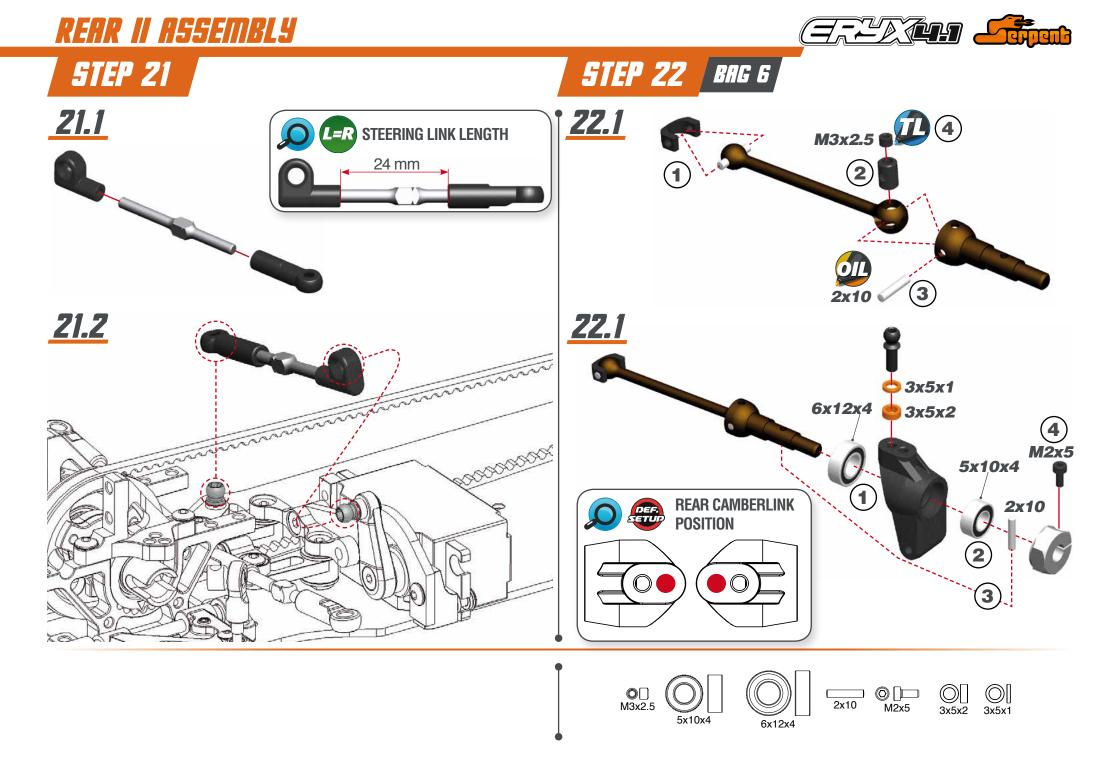


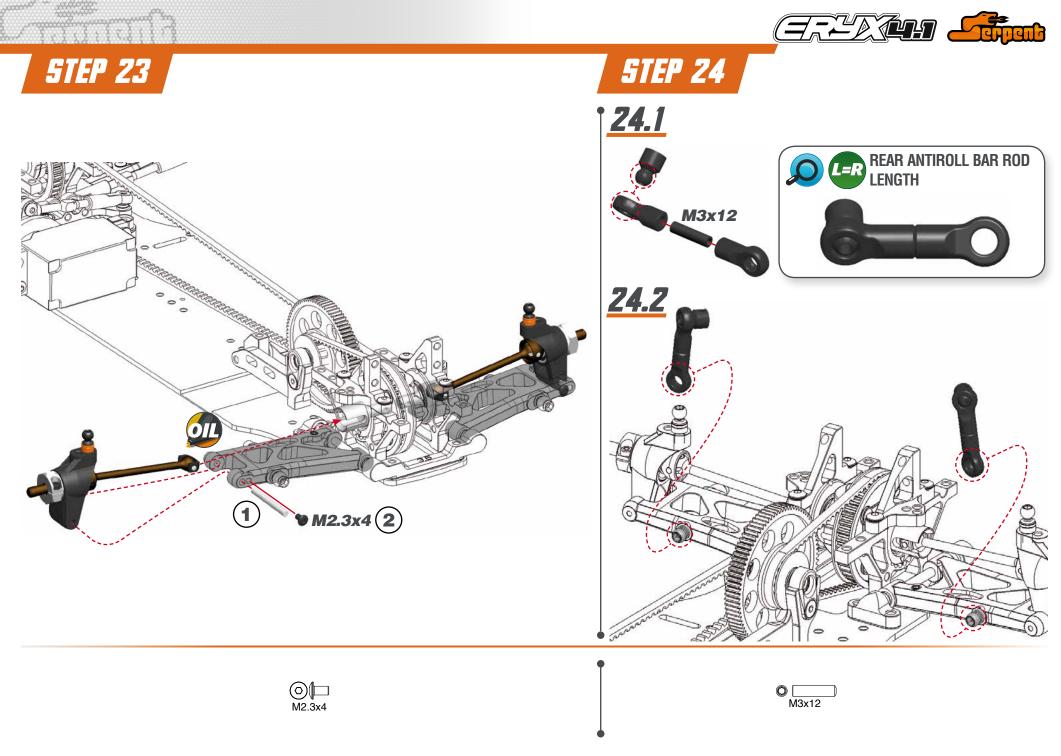




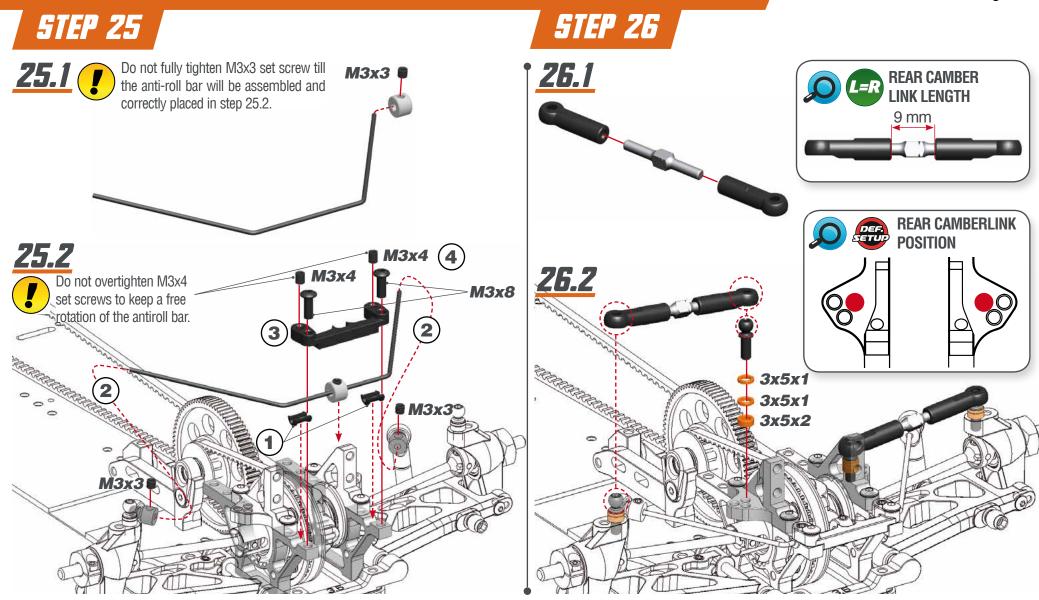




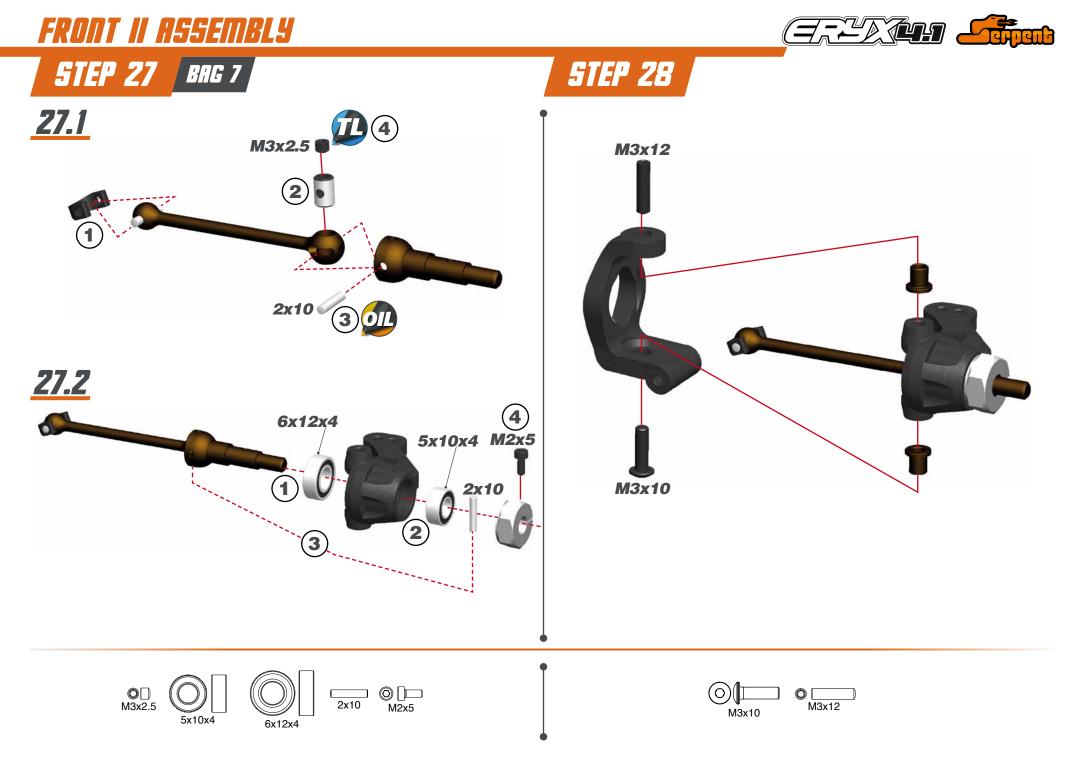


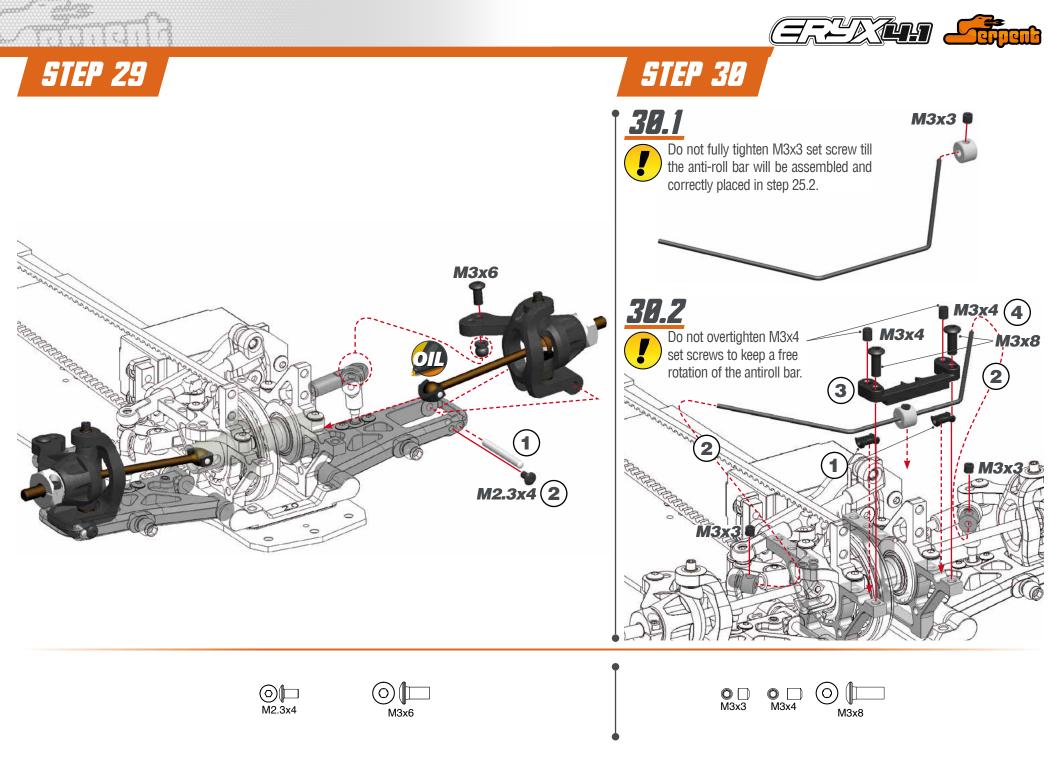








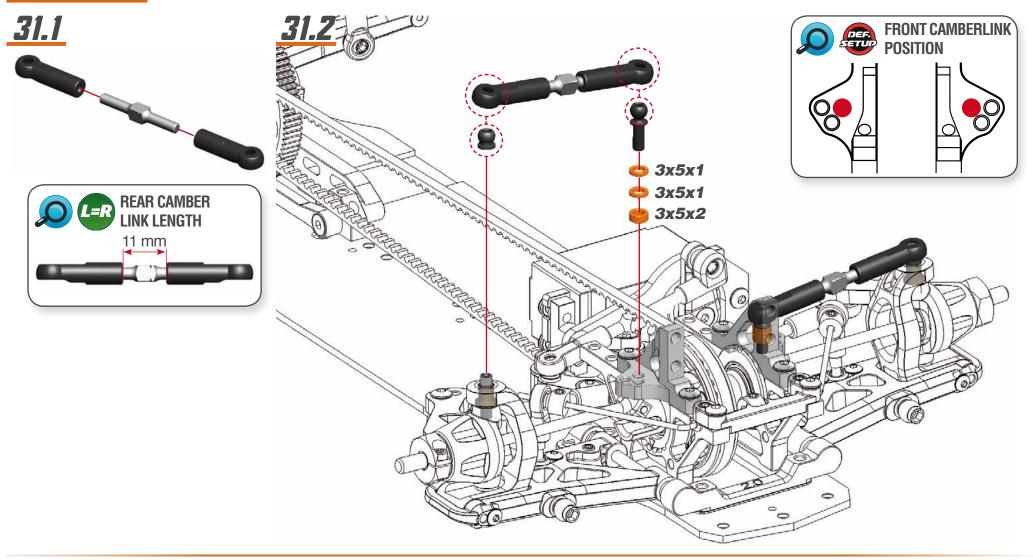




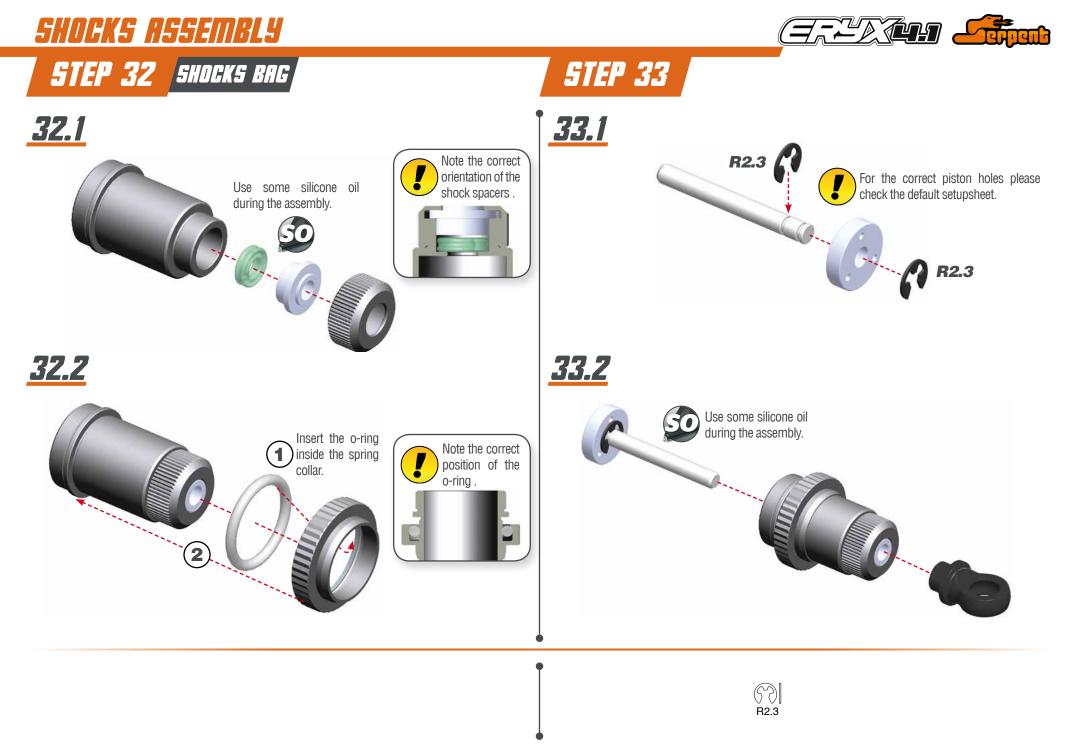




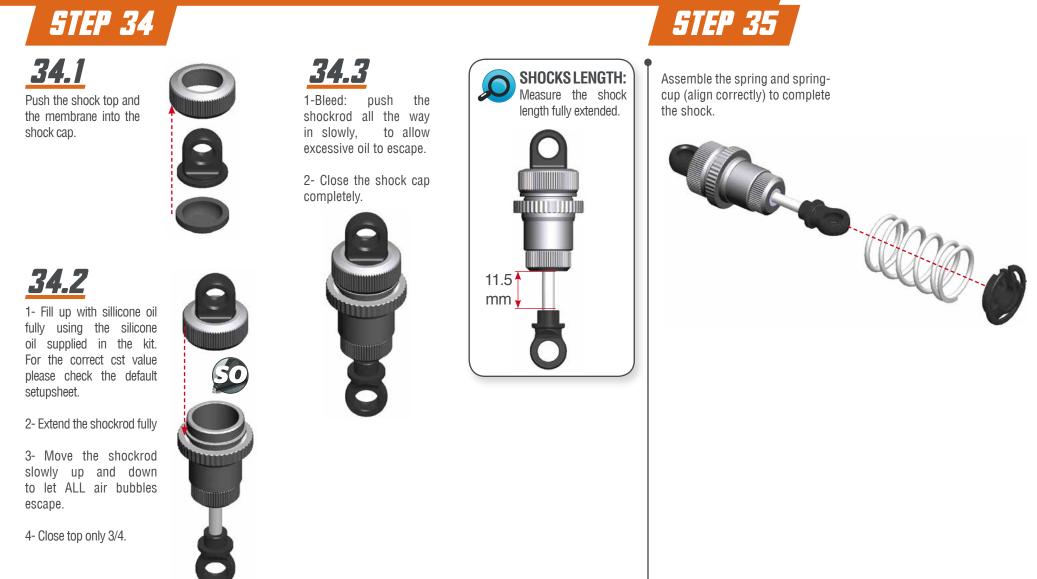
STEP 31







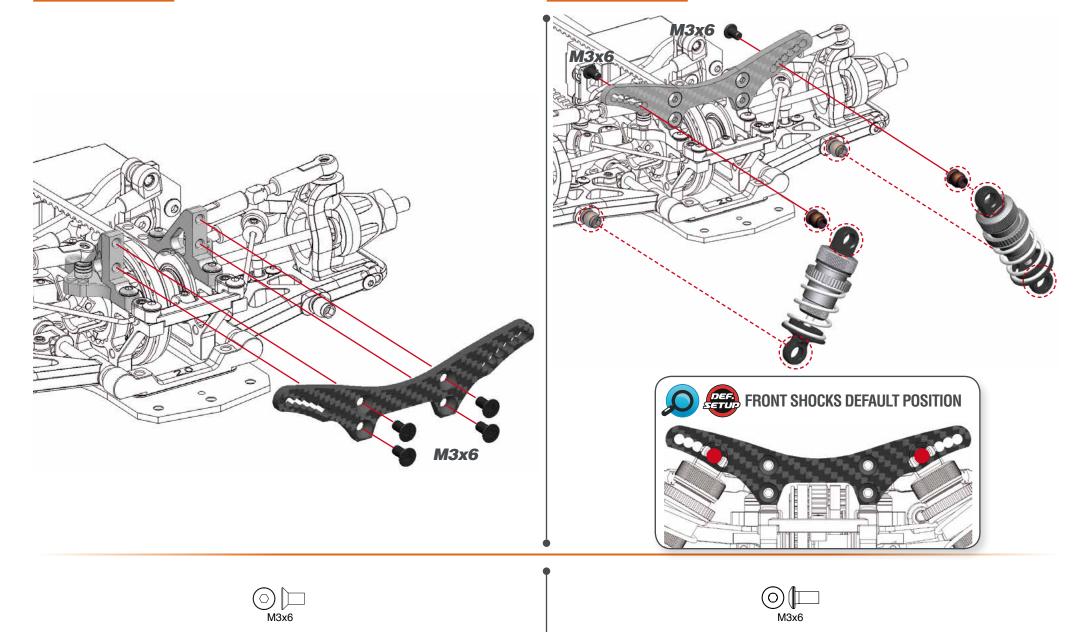


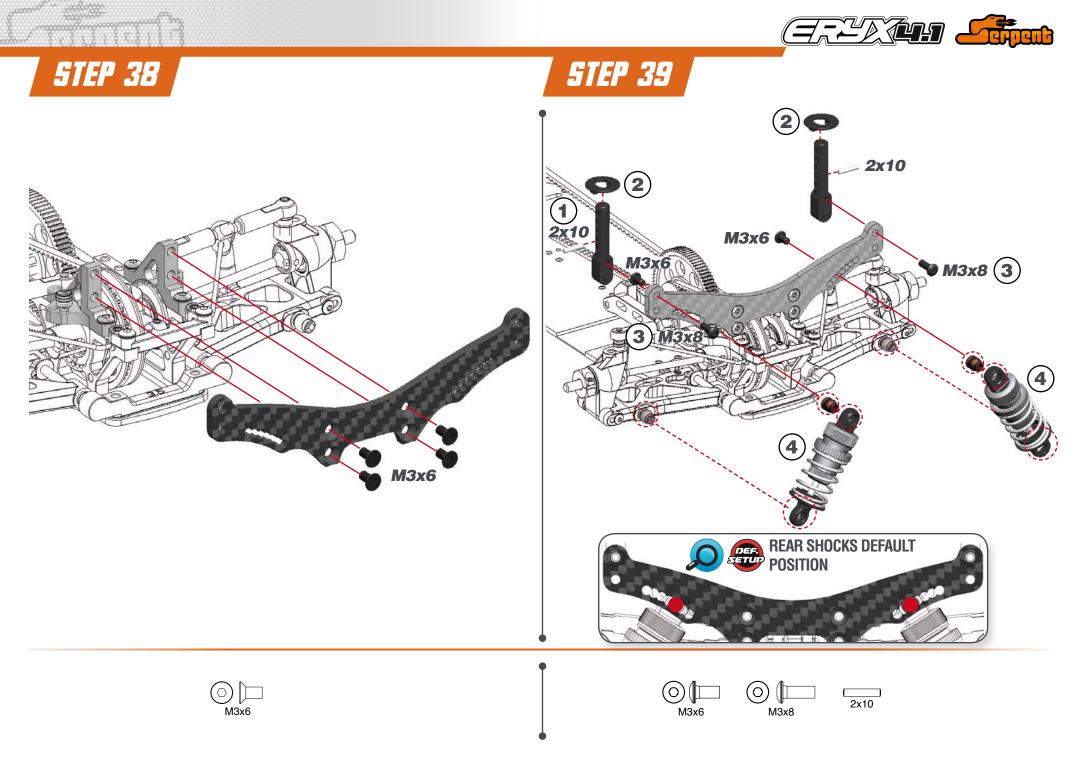


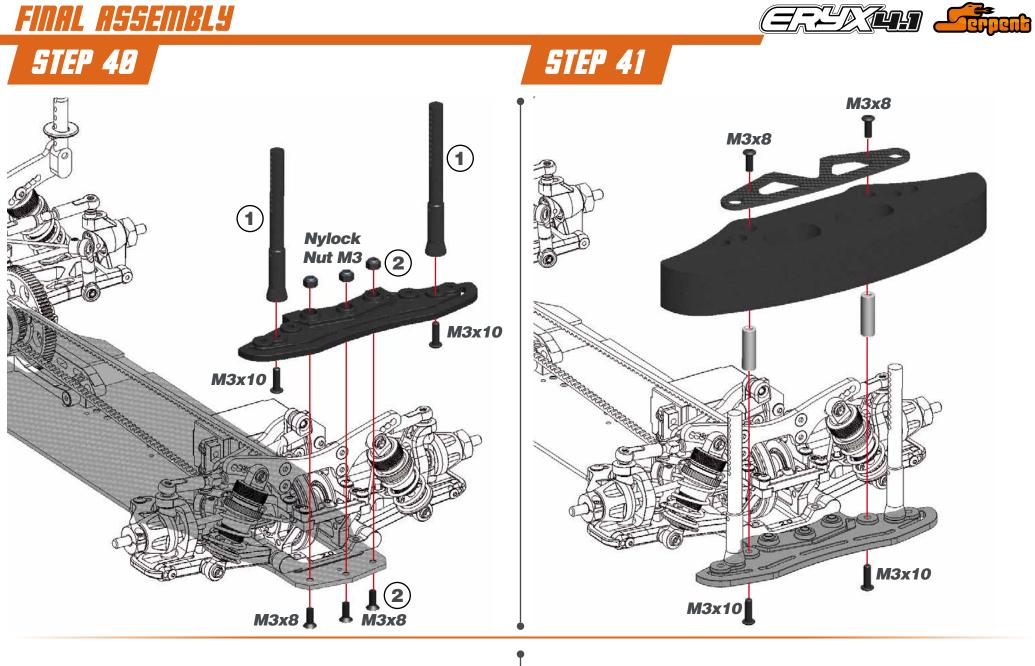




STEP 37





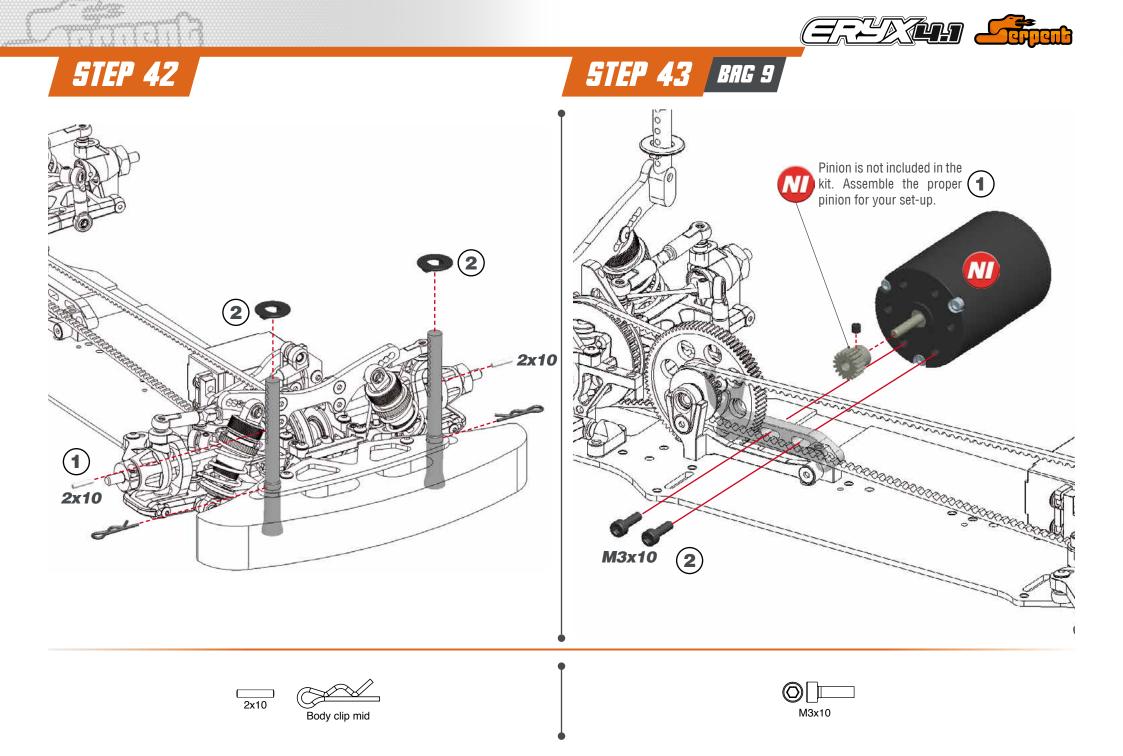


 \bigcirc

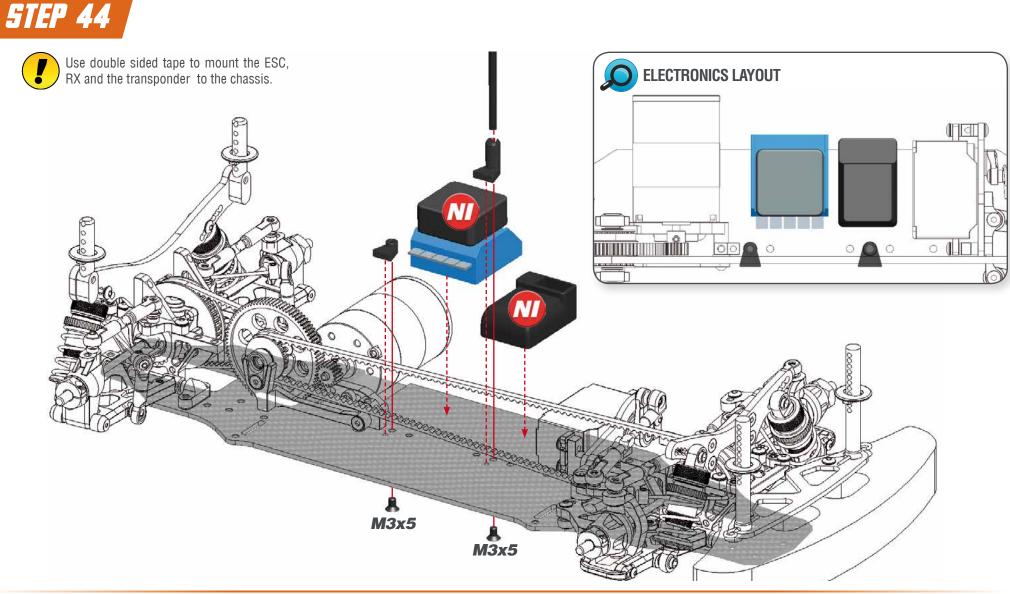
M3x10

 \bigcirc

M3x8

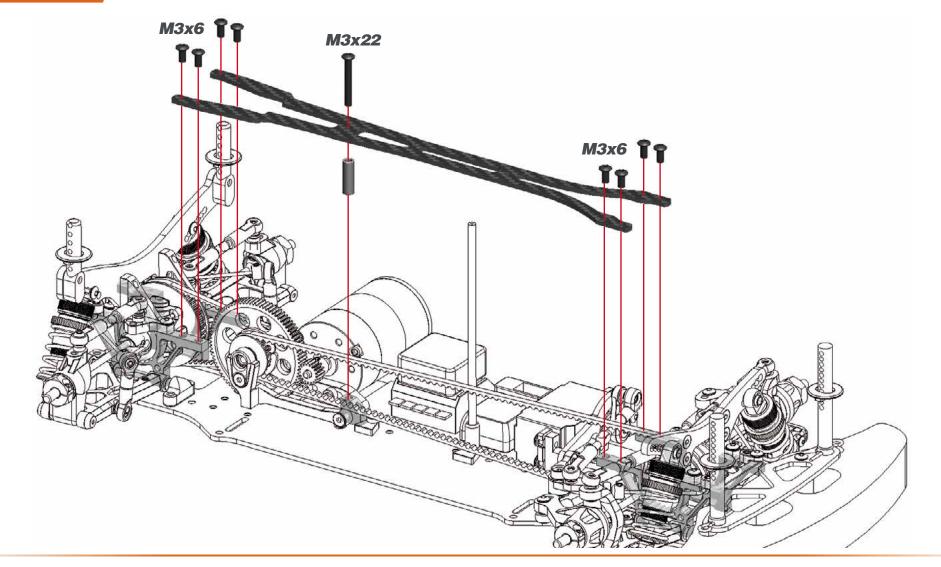








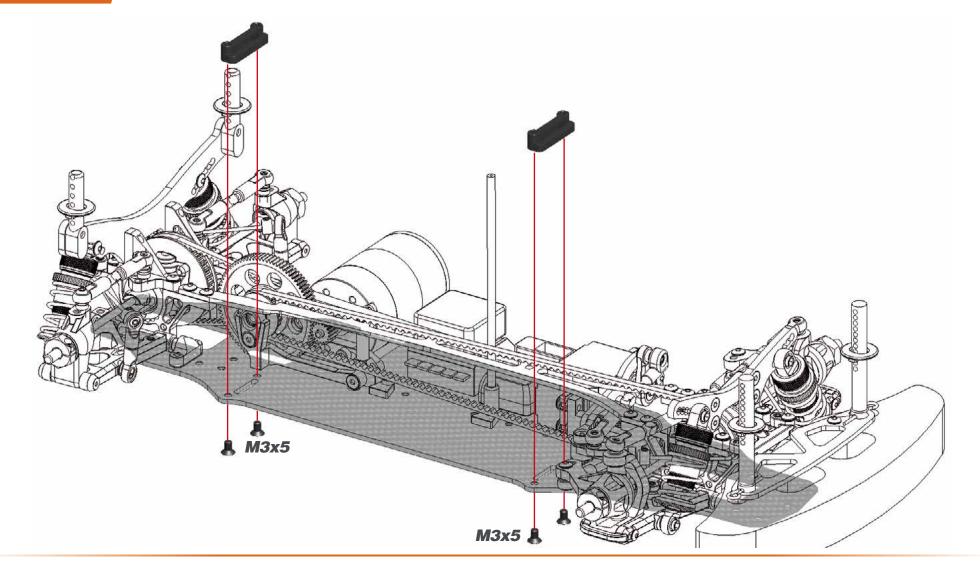
STEP 45



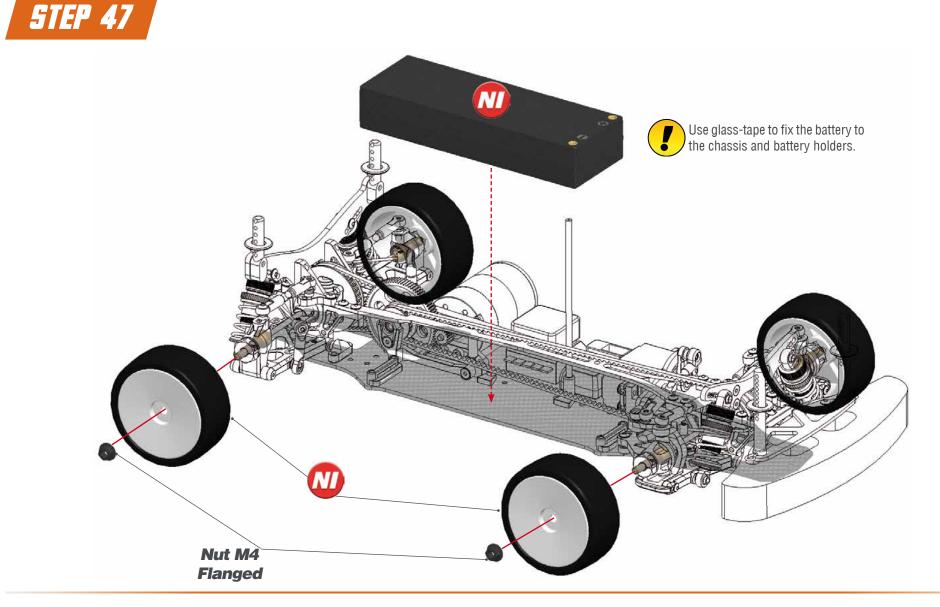




STEP 46











INDEX

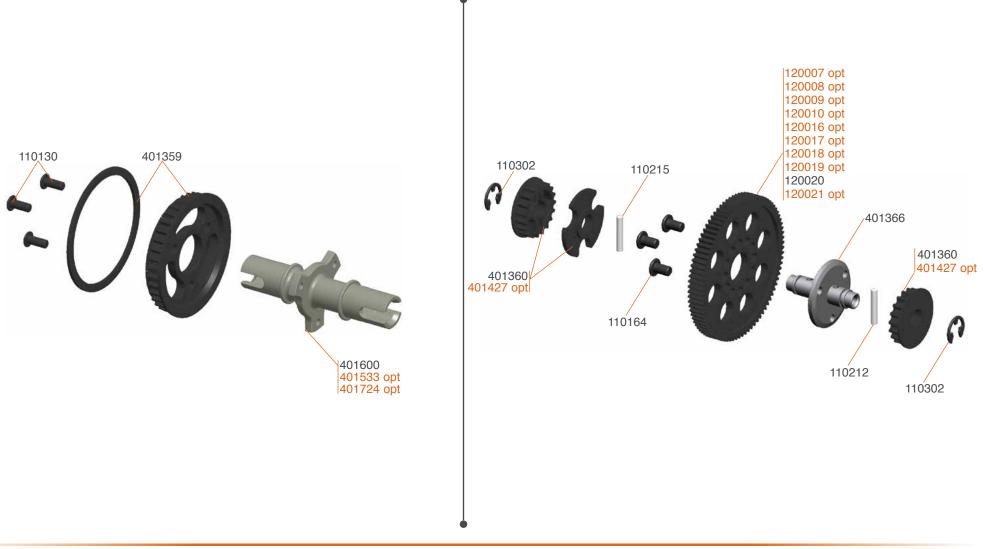
DIFF, MID AND FRONT SHAFTS EXPLODED NIEW	<i>32</i>
mid and front shafts exploded lieu	33
SHOCKS EXPLODED NIEW	34
REAR I EXPLODED WIEW	35
FRONT I EXPLODED NIEW	36
STEERING EXPLODED WIEW	37
REAR II EXPLODED NIEW	38
FRONT II EXPLODED NIEW	39
FINAL I EXPLODED NIEW	48
FINAL II EXPLODED NIEW	41
TEAM SERPENT NETWORK	4 <i>Z</i>









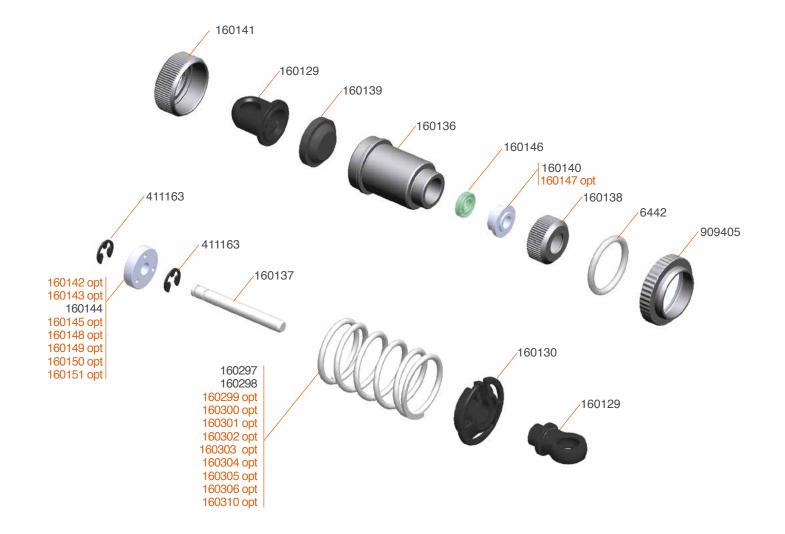


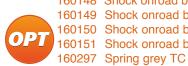


401427 Pully 19T alu 401533 Spool nylon for 411 401629 Middle shaft set S411 4.0 (3) 401633 Pulley mid alu 19T S411 4.0 (2) 401725 Drive adaptor solid axle (2) 120007 Spur-gear Super-True 64P / 100T 120008 Spur-gear Super-True 64P / 104T 120009 Spur-gear Super-True 64P / 108T 120010 Spur-gear Super-True 64P / 112T 120016 Spur-gear Super-True 48P / 72T

120017 Spur-gear Super-True 48P / 75T 120018 Spur-gear Super-True 48P / 78T 120019 Spur-gear Super-True 48P / 81T 120021 Spur-gear Super-True 48P / 87T







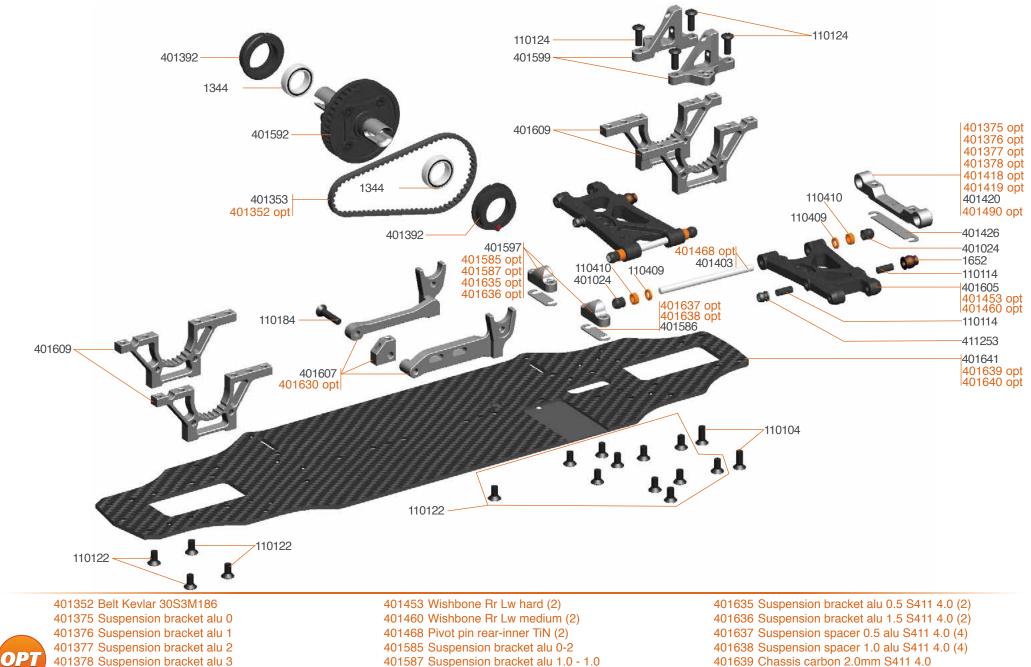
160148 Shock onroad big bore piston 1 hole LF (2) 160149 Shock onroad big bore piston 2 hole LF (2) 160150 Shock onroad big bore piston 3 hole LF (2) 160151 Shock onroad big bore piston 4 hole LF (2) 160298 Spring black TC 160299 Spring green TC 160300 Spring white 160301 Spring yellow 160302 Spring orange

160304 Spring Pink 160305 Spring blue 160306 Spring purple 160310 Spring-set L23 (5x2) 160147 Shock onroad big bore bushing LF (4)

34

REAR I EXPLODED NIEW



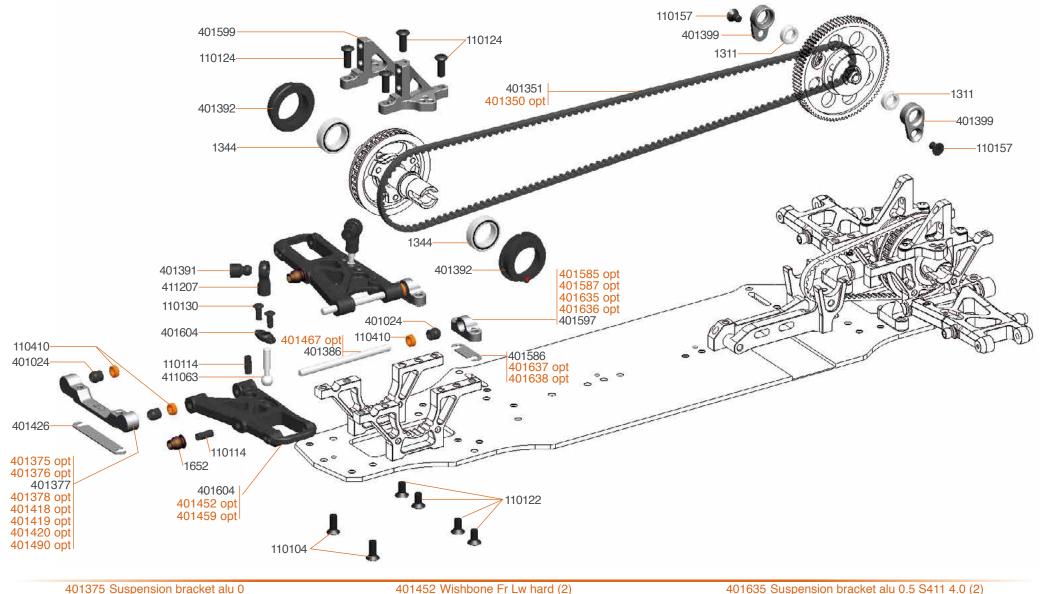


401419 Suspension bracket alu 2.5

401587 Suspension bracket alu 1.0 - 1.0 401630 Motormount S411 4.0

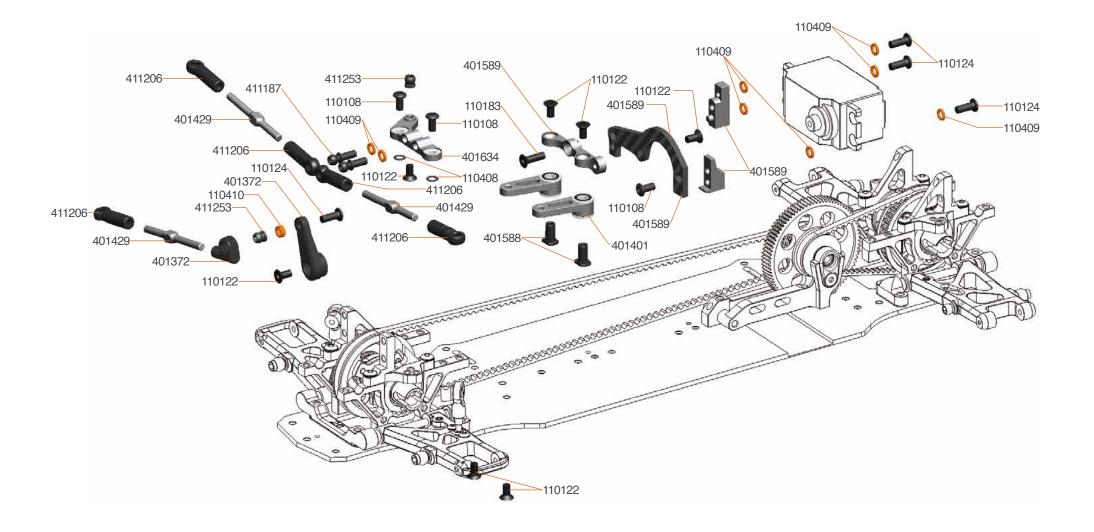
401639 Chassis carbon 2.0mm S411 4.0 401640 Chassis alu 2.0mm S411 4.0





401376 Suspension bracket alu 3 401378 Suspension bracket alu 3 401419 Suspension bracket alu 2.5 401420 Suspension bracket alu 3.5 401452 Wishbone Fr LW hard (2) 401459 Wishbone Fr Lw medium (2) 401467 Pivot pin front inner TiN (2) 401585 Suspension bracket alu 0-2 401587 Suspension bracket alu 1.0 - 1.0 401635 Suspension bracket alu 0.5 S411 4.0 (2) 401636 Suspension bracket alu 1.5 S411 4.0 (2) 401637 Suspension spacer 0.5 alu S411 4.0 (4) 401638 Suspension spacer 1.0 alu S411 4.0 (4)





401465 Steeringrack V2

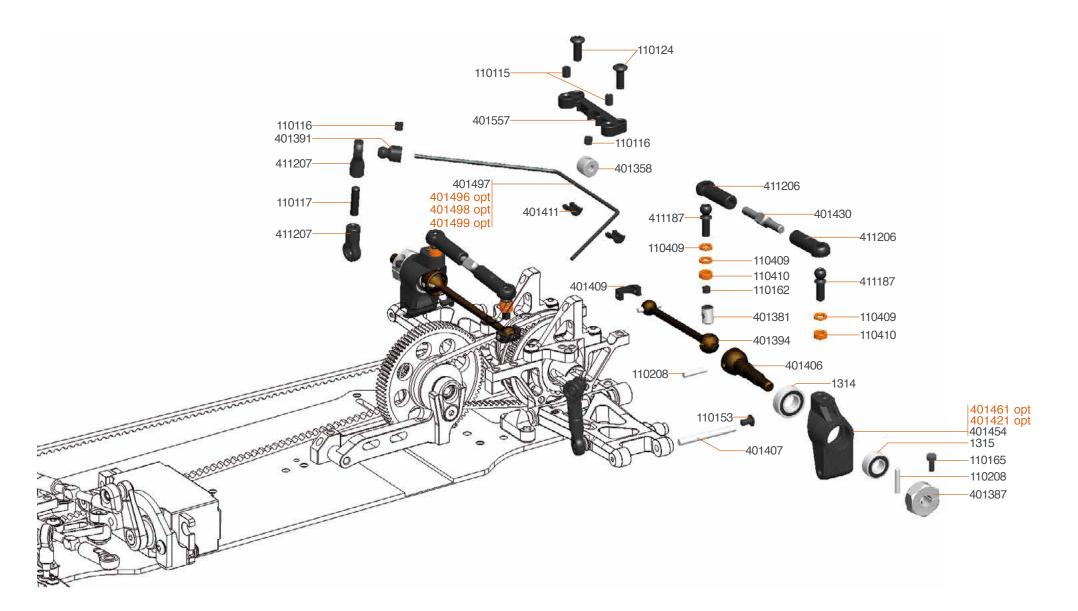


401496 Antirollbar 1.2mm rear

401498 Antirollbar 1.6mm rear

401499 Antirollbar 1.8mm rear 401421 Upright alu (2)

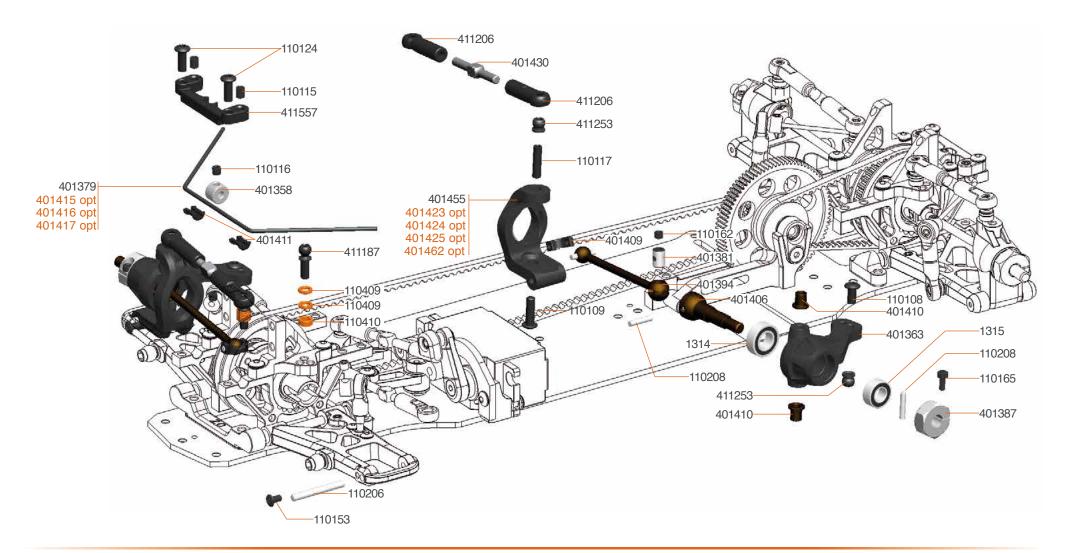




401461 Upright medium (2)

OPT

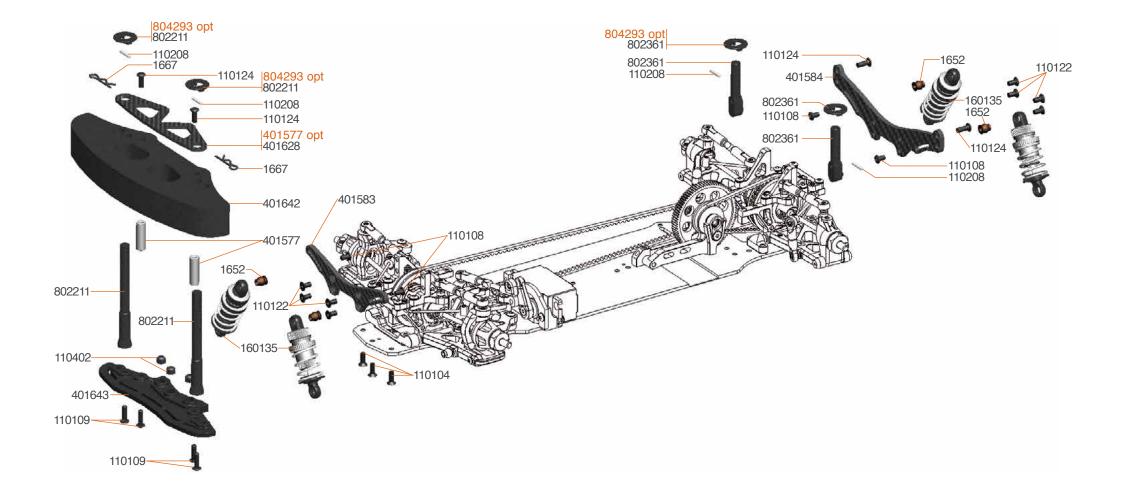


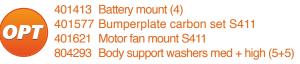




401373 CVD axle set steel (2) 401415 Antirollbar 1.2mm 401416 Antirollbar 1.6mm 401417 Antirollbar 1.8mm 401423 C-hub 2 alu L+R 401424 C-hub 4 alu L+R 401425 C-hub 6 alu L+R 401445 Double joint cardan DJC set (2) 401462 C-hub 4 L+R medium

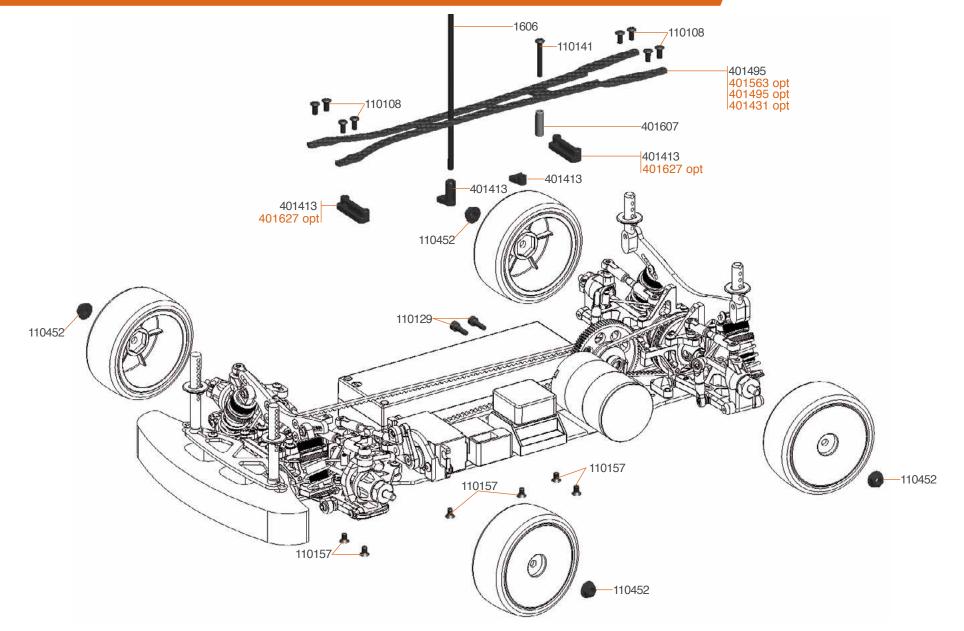






FINAL II EXPLODED NIEW







401413 Battery mount (4)
401621 Motor fan mount S411
401563 Topdeck carbon 1.75mm
401495 Topdeck carbon 2mm flex

401431 Topdeck carbon 2.5mm 401464 Lipo-battery-holder carbon 411 (2) 401627 Adjustable battery mount set S411

TEAM SERPENT NETWORK

ERYX 4.1 SPARE PARTS www.serpent.com/400019/spares/



ERYX 4.1 OPTIONALS PARTS www.serpent.com/400019/Optionals/







SERPENT TOOLS www.serpent.com/product/Tools/



SERPENT MERCHANDISING www.serpent.com/product/Merchandising/



SERPENT WEBSITE AND BLOG

www.serpent.com www.teamserpent.com www.dragon-rc.com

SERPENT PROMO PAGES http://promo.serpent.com SERPENT FACEBOOK GROUPS http://promo.serpent.com/indexfb.htm SERPENT ADVANCED MANUALS http://promo.serpent.com/sam/

SERPENT SOCIAL MEDIA

www.facebook.com/SerpentMRC

www.youtube.com/user/SerpentMRC



f

www.twitter.com/SerpentMRC

www.plus.google.com/+SerpentModelcars/posts

www.weibo.com/teamserpent

