

#### 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 SRX8T is a state of the art 1/8 scale 4wd Truggy 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 ease of assembly and maintenance. The high quality standards of all parts and hardware will make racing your Serpent car a very rewarding activity !

Through our team, website and social media we will keep you up-to-date on all developments of the Serpent cars. We hope to meet you on the track and through our various media! Enjoy the drive !

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 bag numbers, 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 SRX8T. Fine-tuning the initial setup is an essential part of building a high-performance race car like your Serpent SRX8T.

### EXPLODED VIEWS AND PARTS LIST

The exploded views and parts lists for the Serpent SRX8T 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. Part numbers 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.

#### SREETY

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

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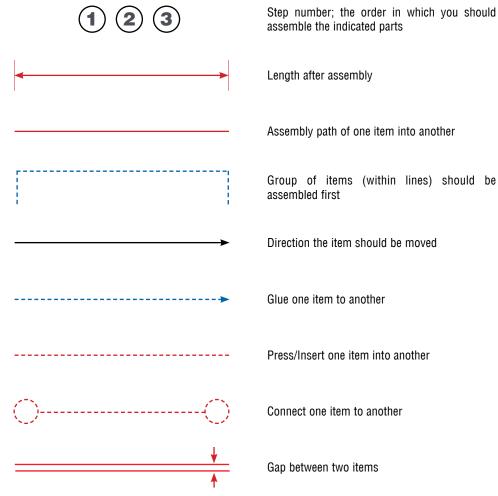
**CENTER DIFF ASSEMBLY** 4 FR/RR DIFF ASSEMBLY 6 CENTRAL ASSEMBLY 8 REAR ASSEMBLY 11 FRONT ASSEMBLY 18 STEERING ASSEMBLY 24 RADIO ASSEMBLY 28 SHOCK ASSEMBLY 32 • FINAL ASSEMBLY 35 **CLUTCH ASSEMBLY** 36 • EXPLODED VIEWS 42 53 TEAM SERPENT NETWORK

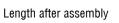
## How to use the manual



### 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.





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



Each step contains a variety of symbols described below.



Carefully, read and check extensively.



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.



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



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.



Parts or items not included in the kit.



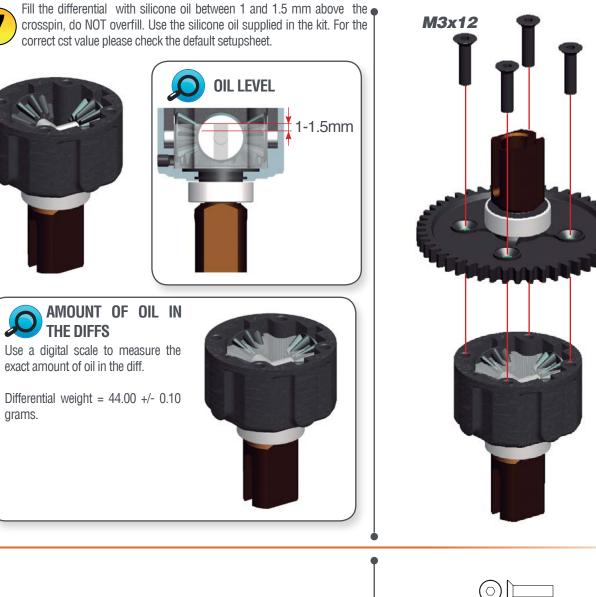
Optional part, not standard in the kit.







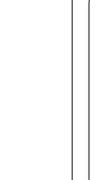




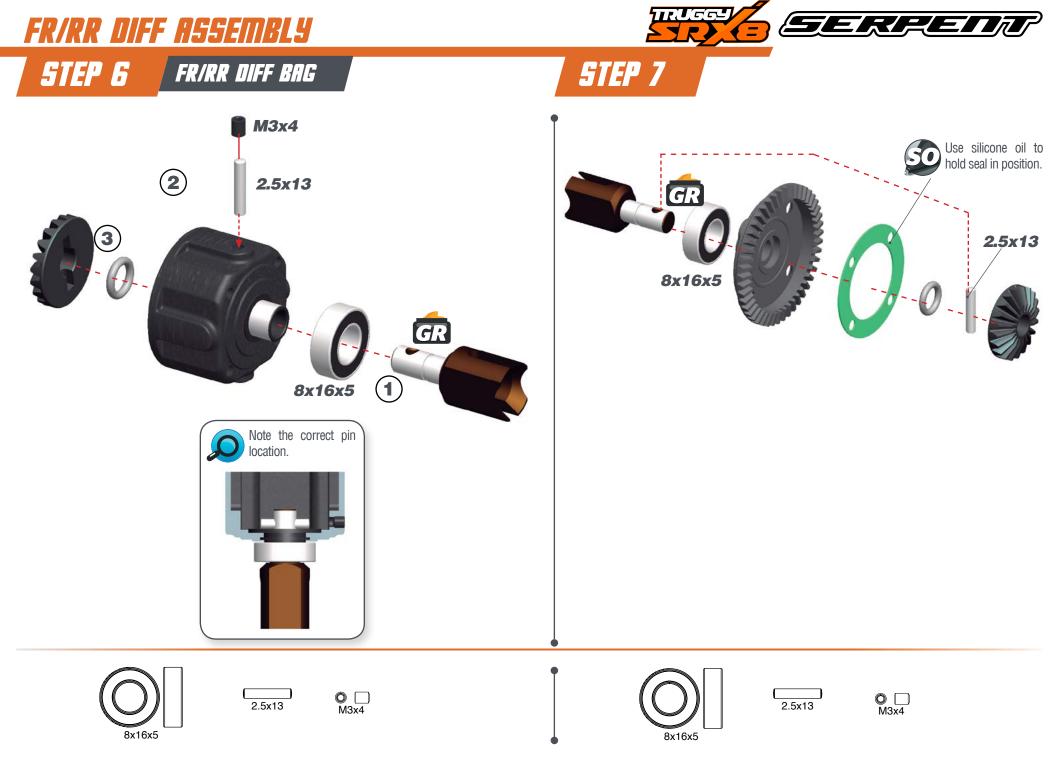


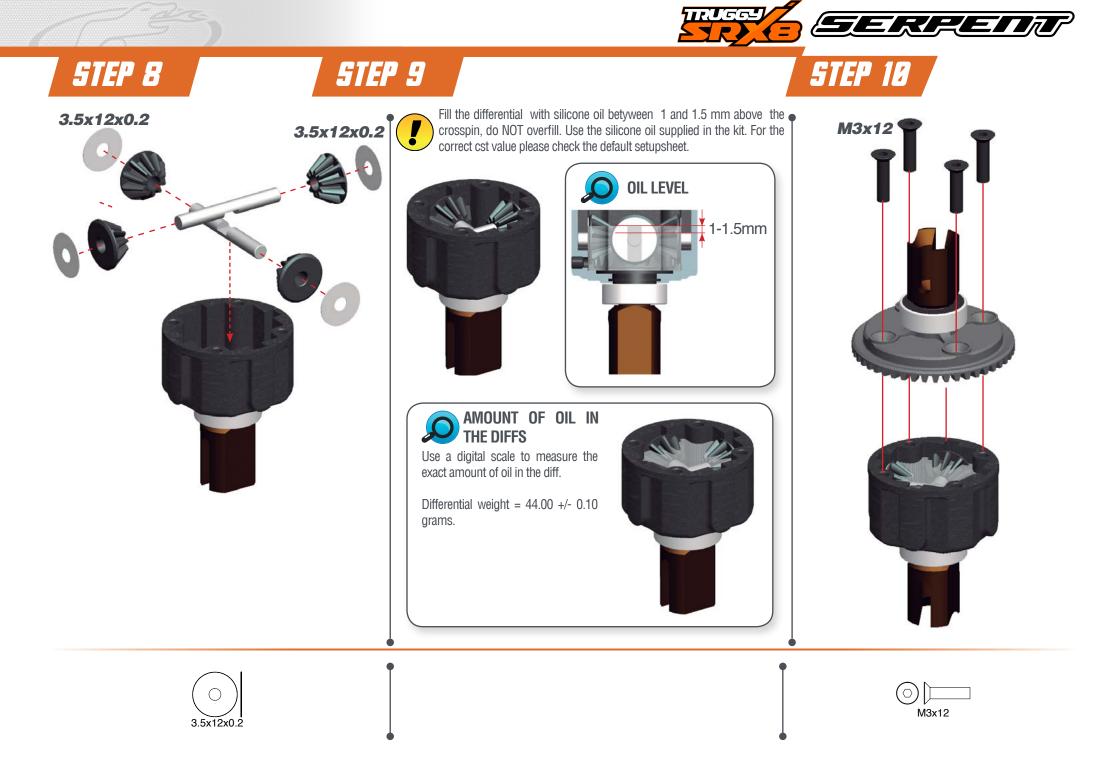












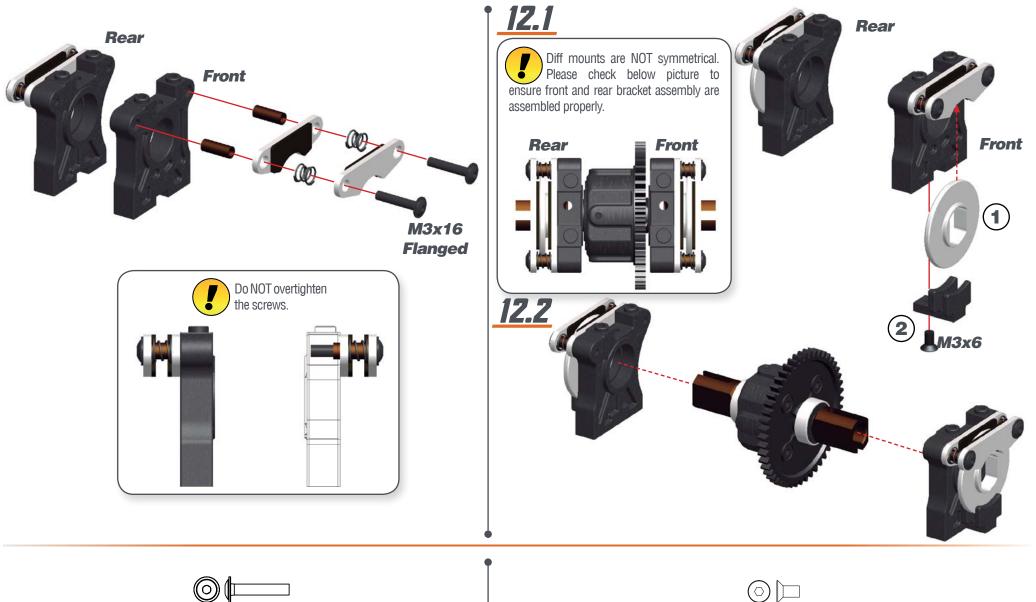
### **CENTRAL ASSEMBLY**



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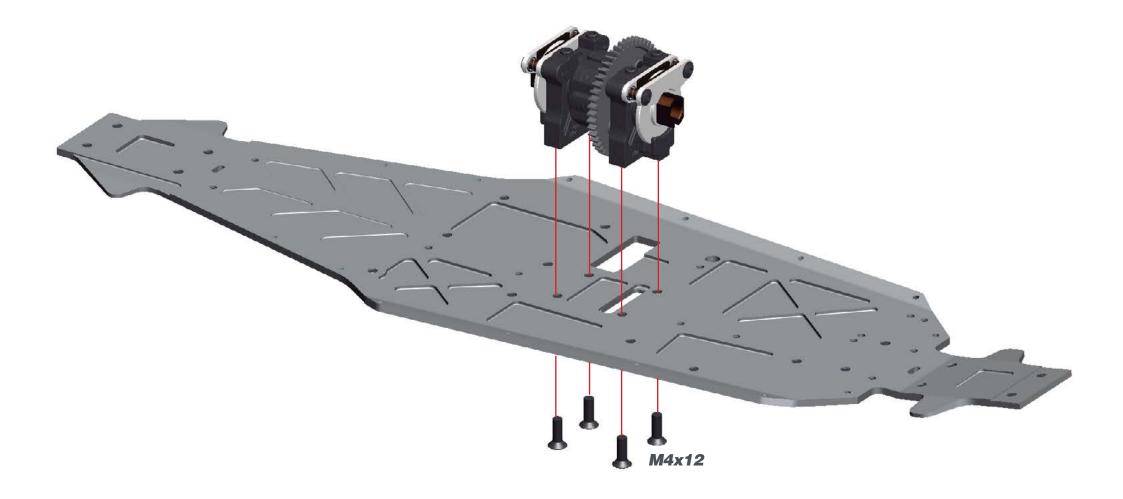




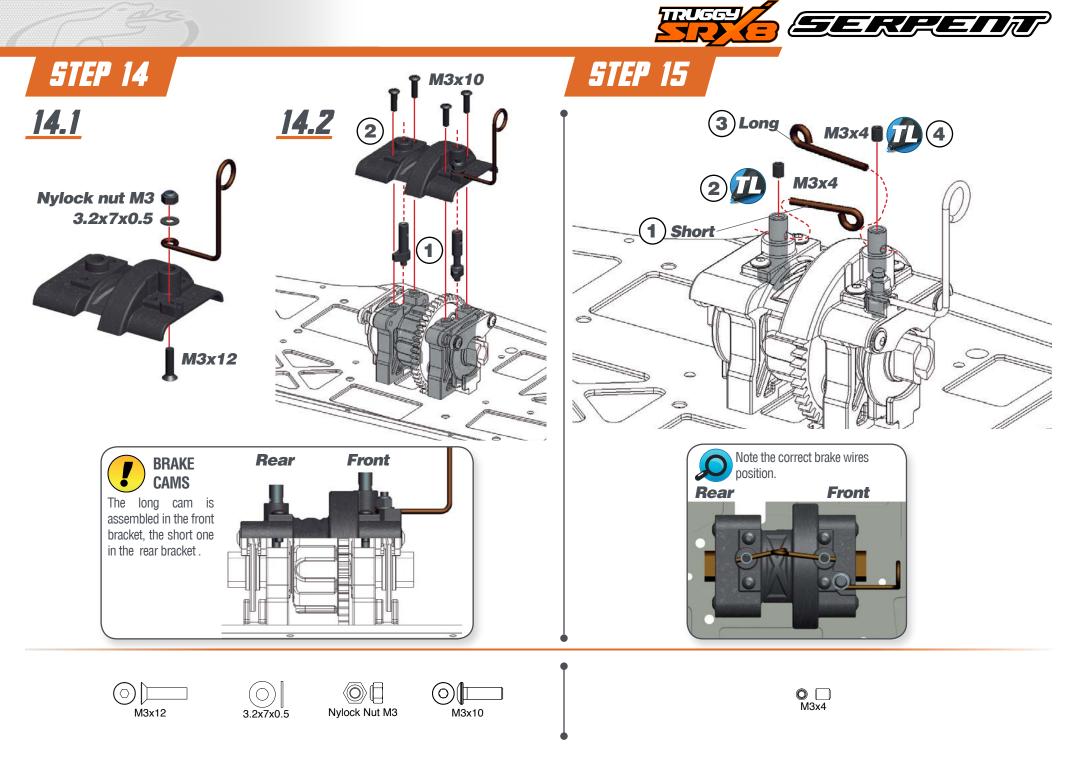












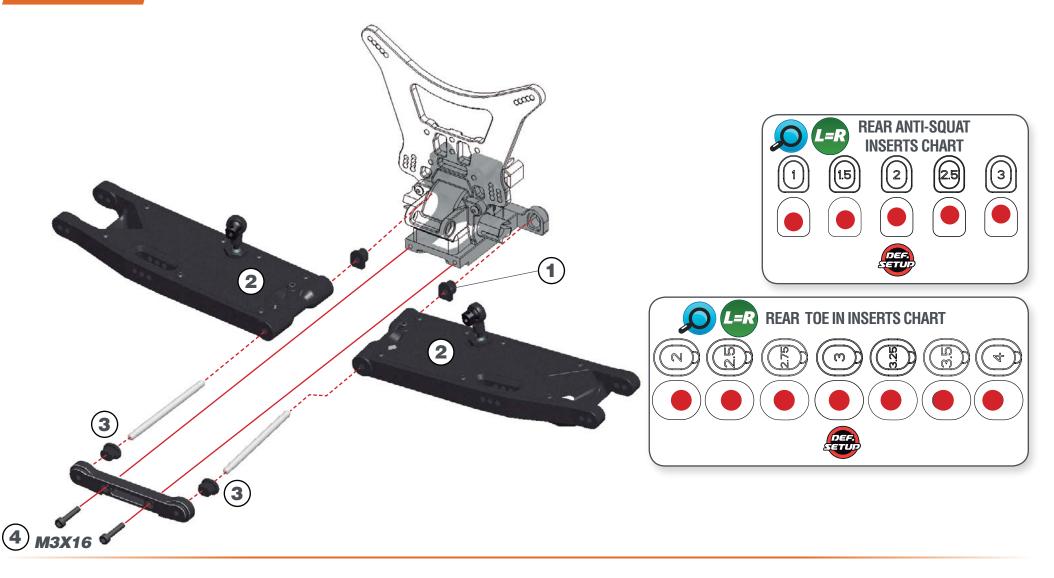


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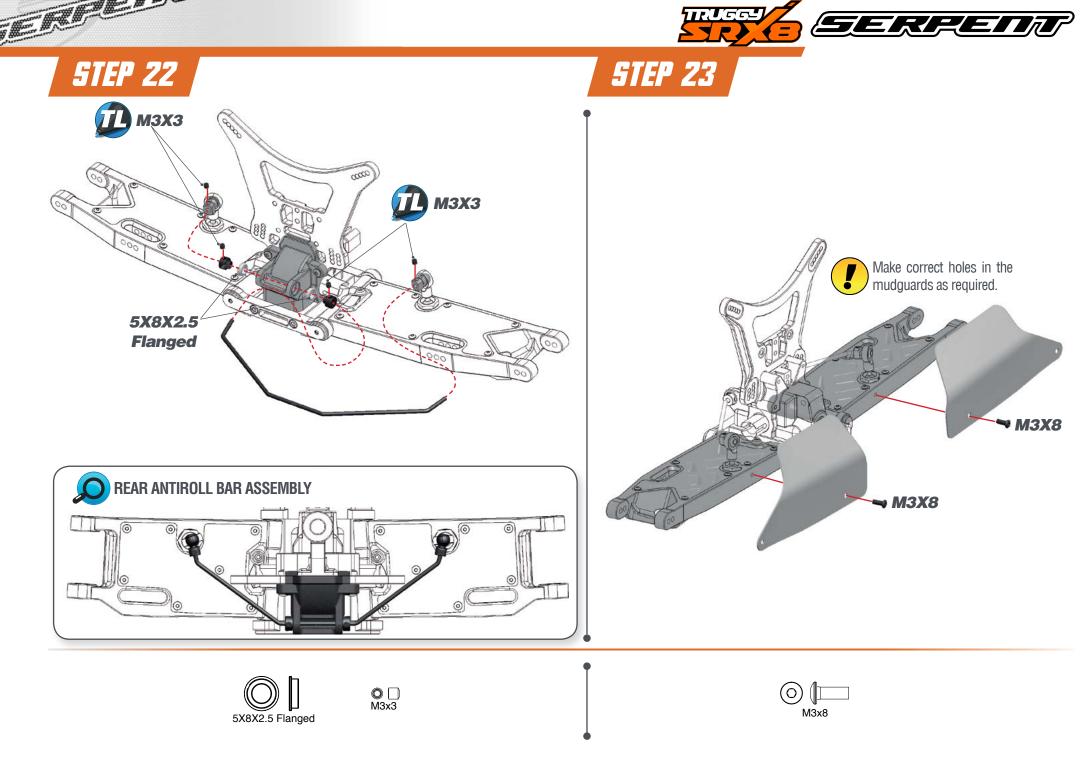


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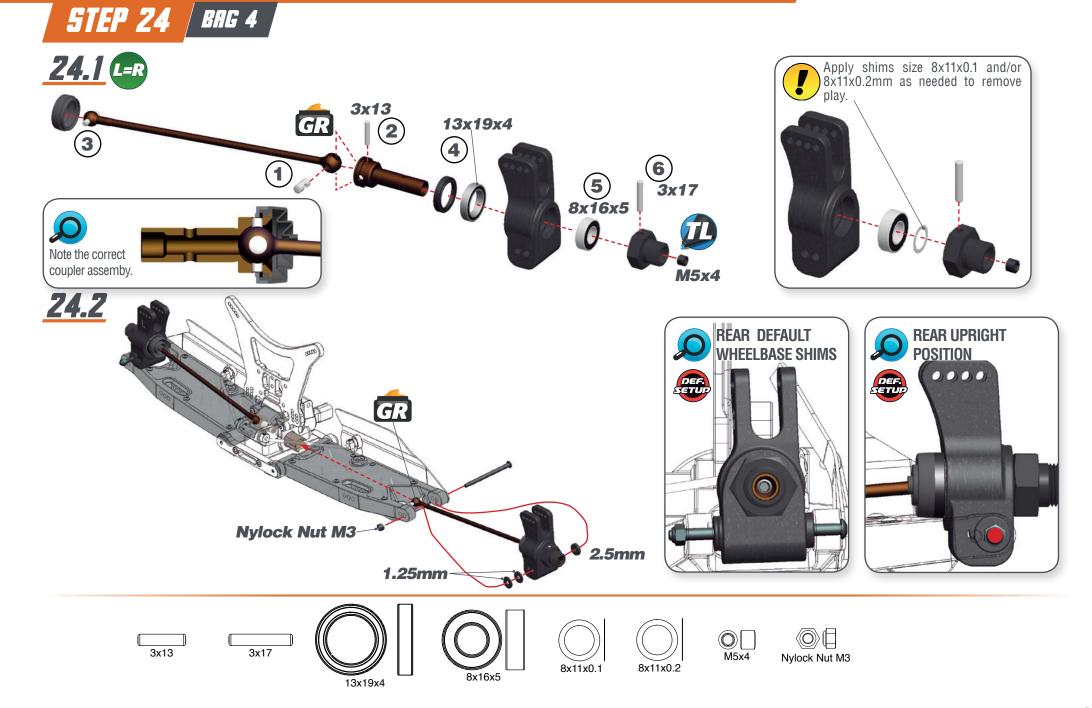


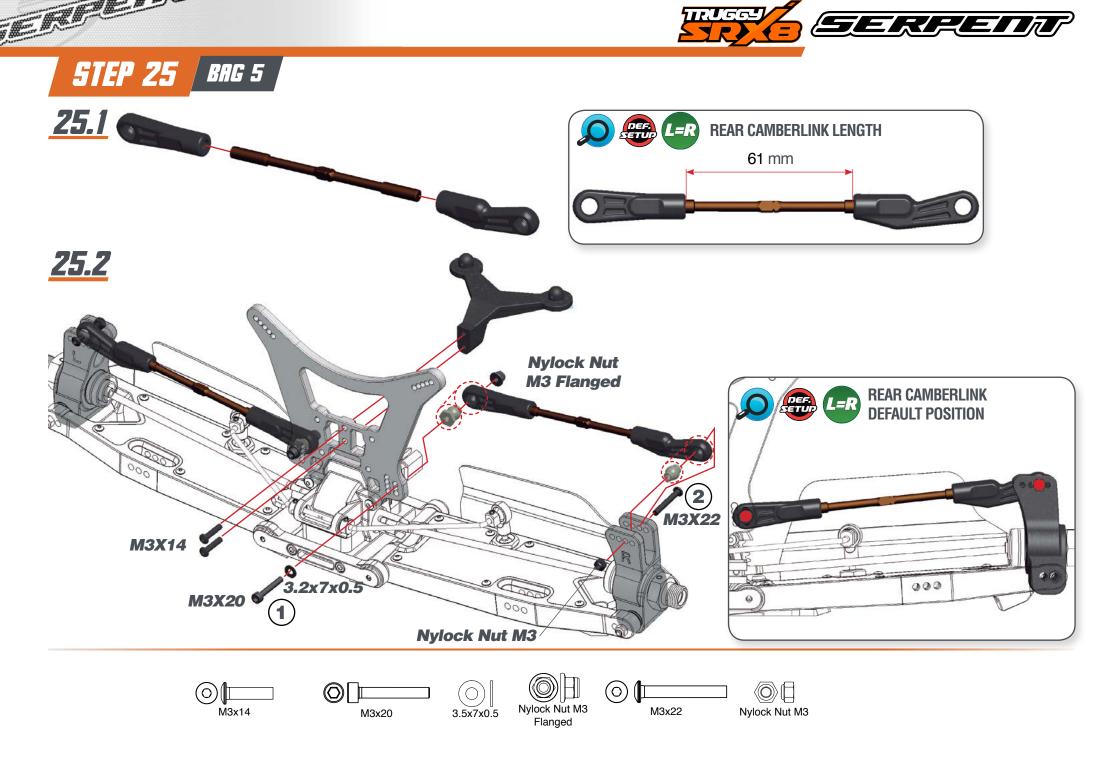


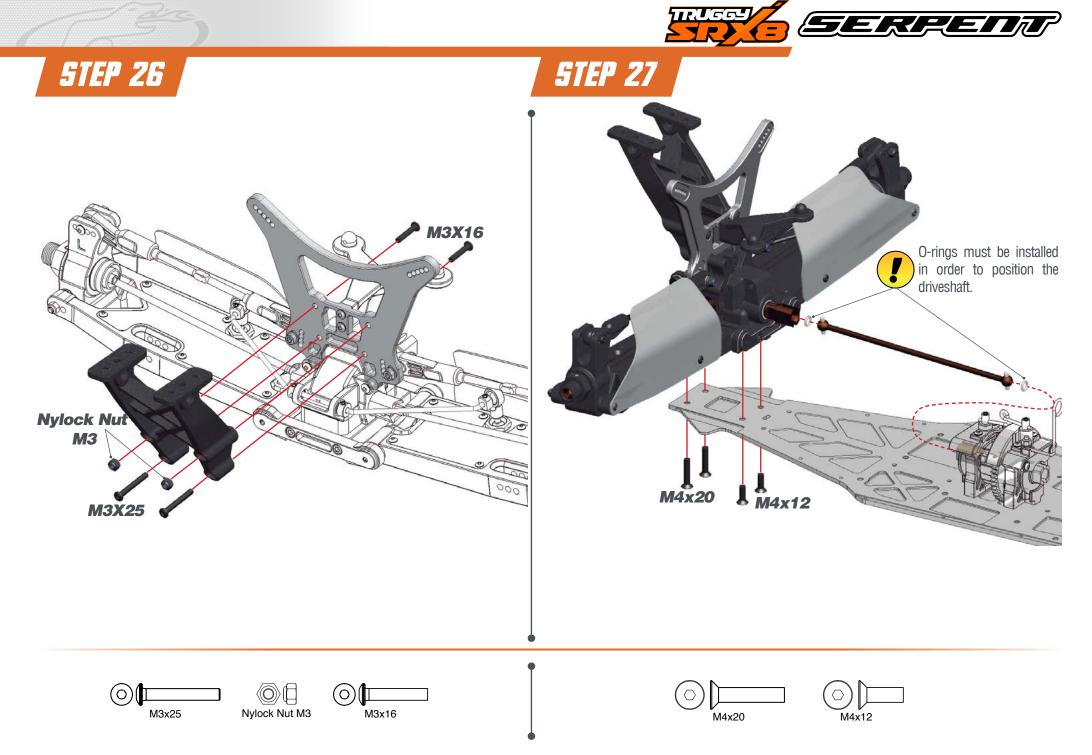










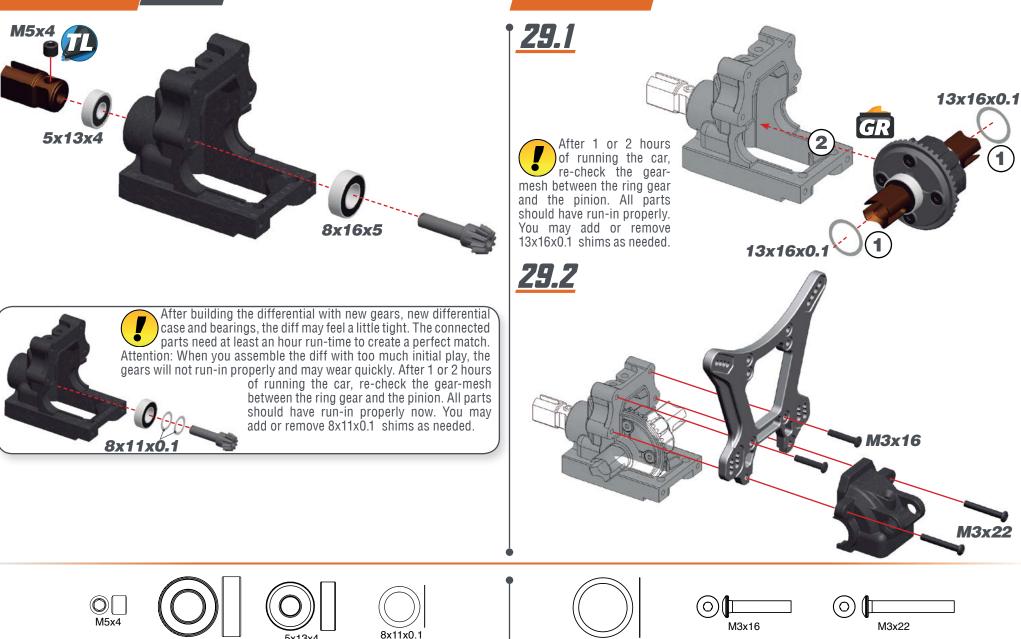










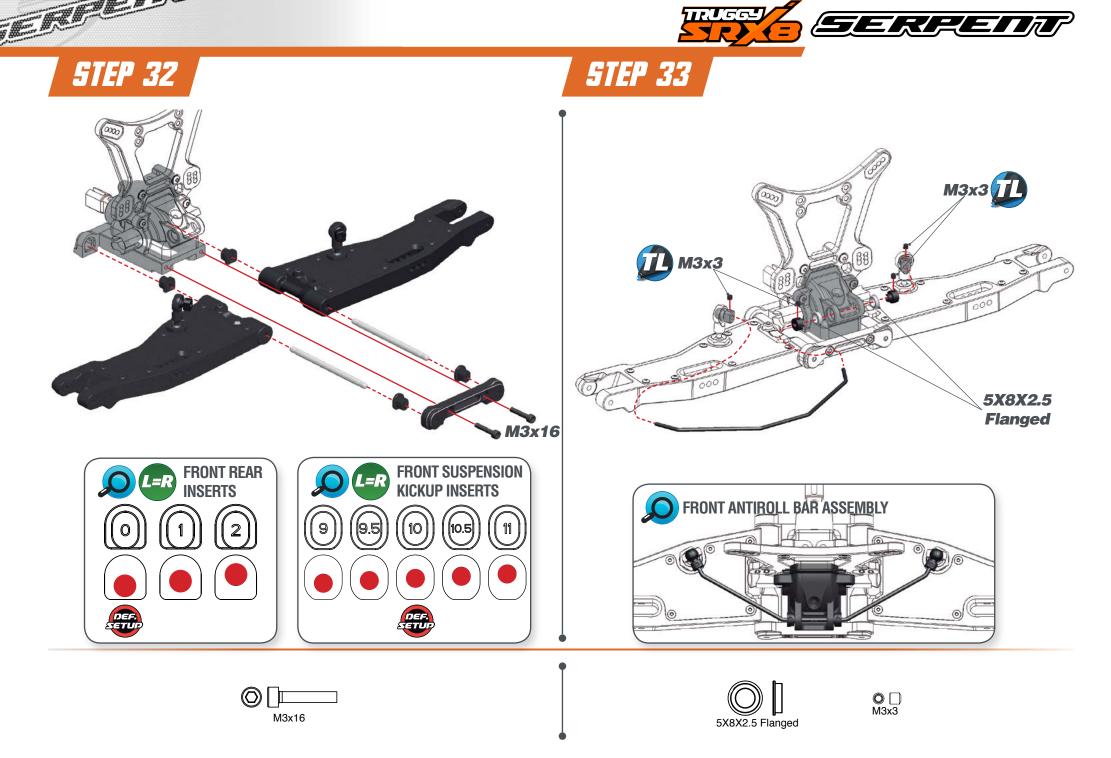


13x16x0.1

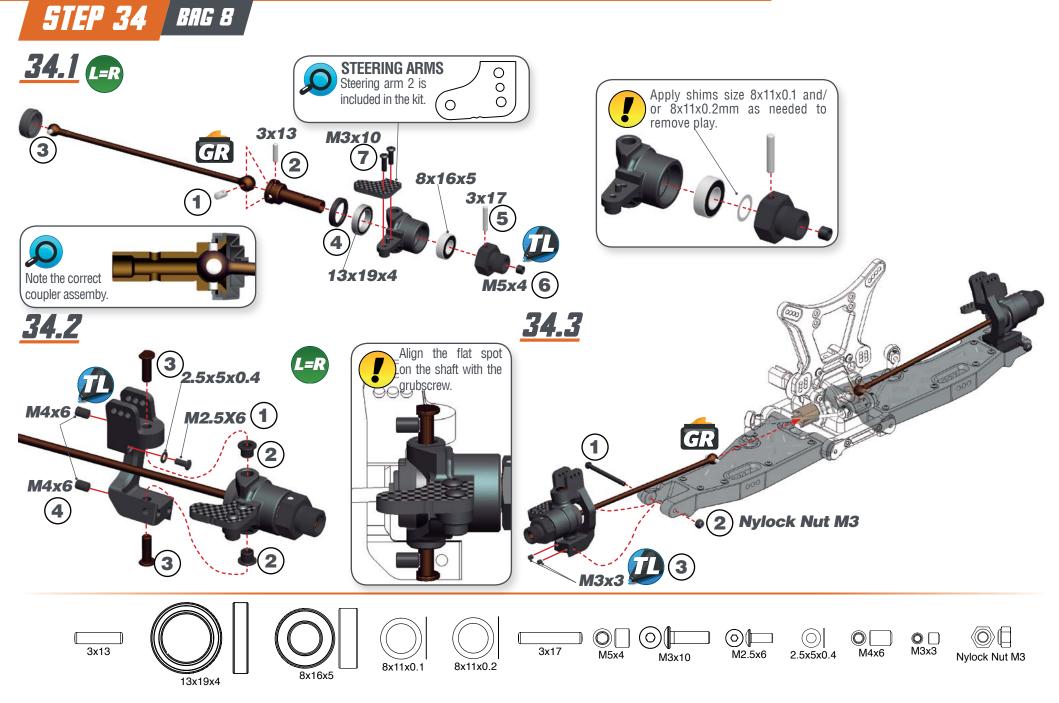
5x13x4

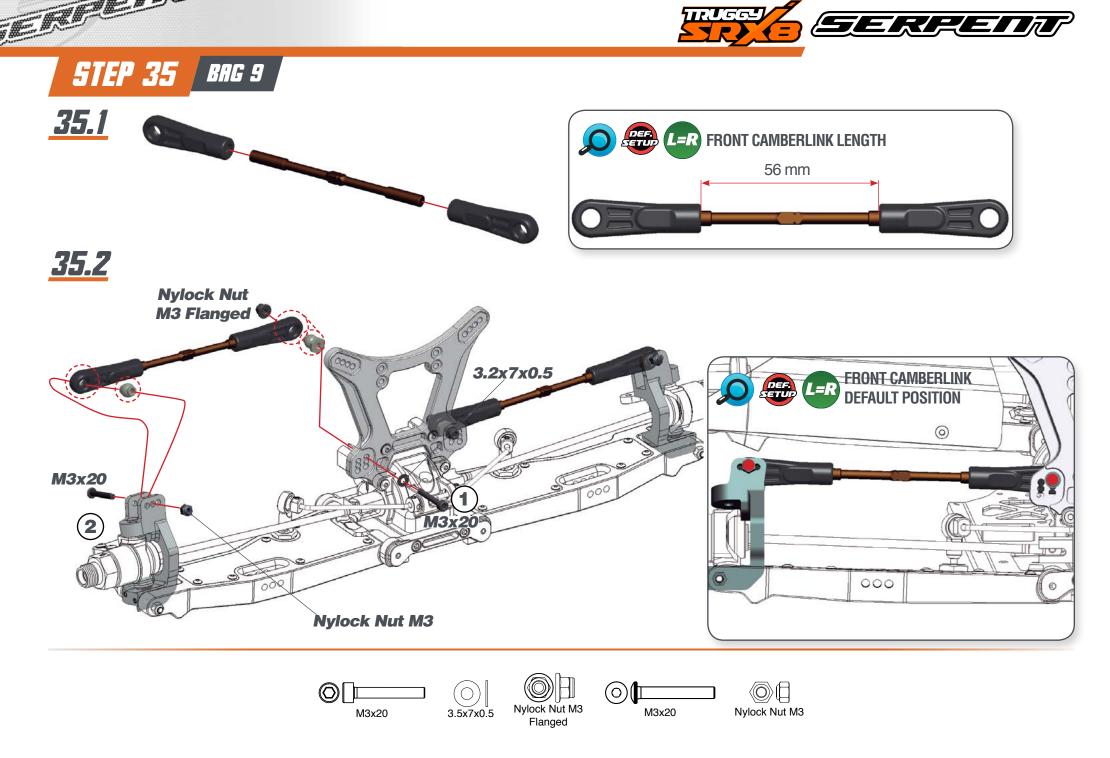
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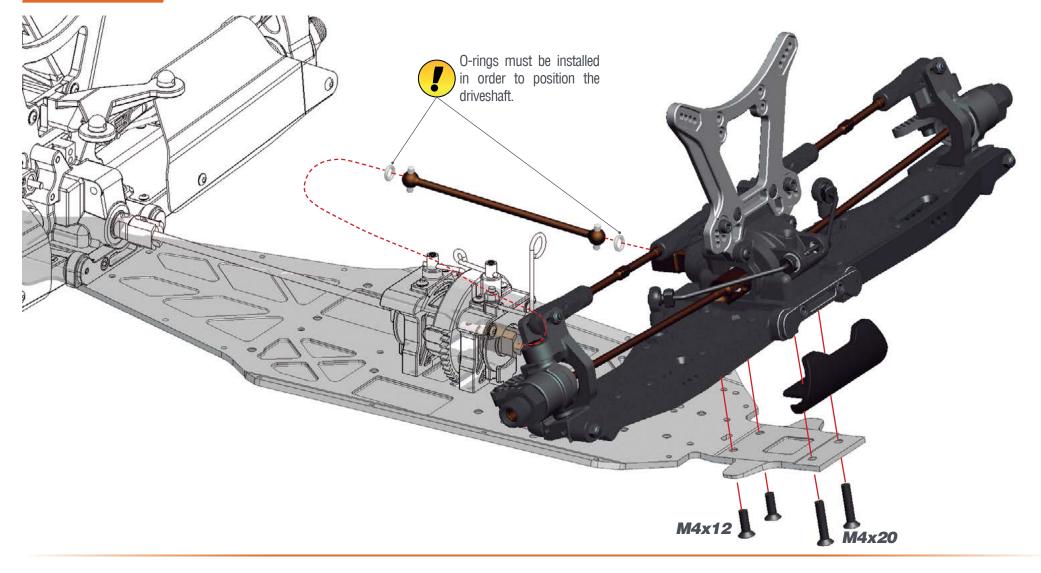




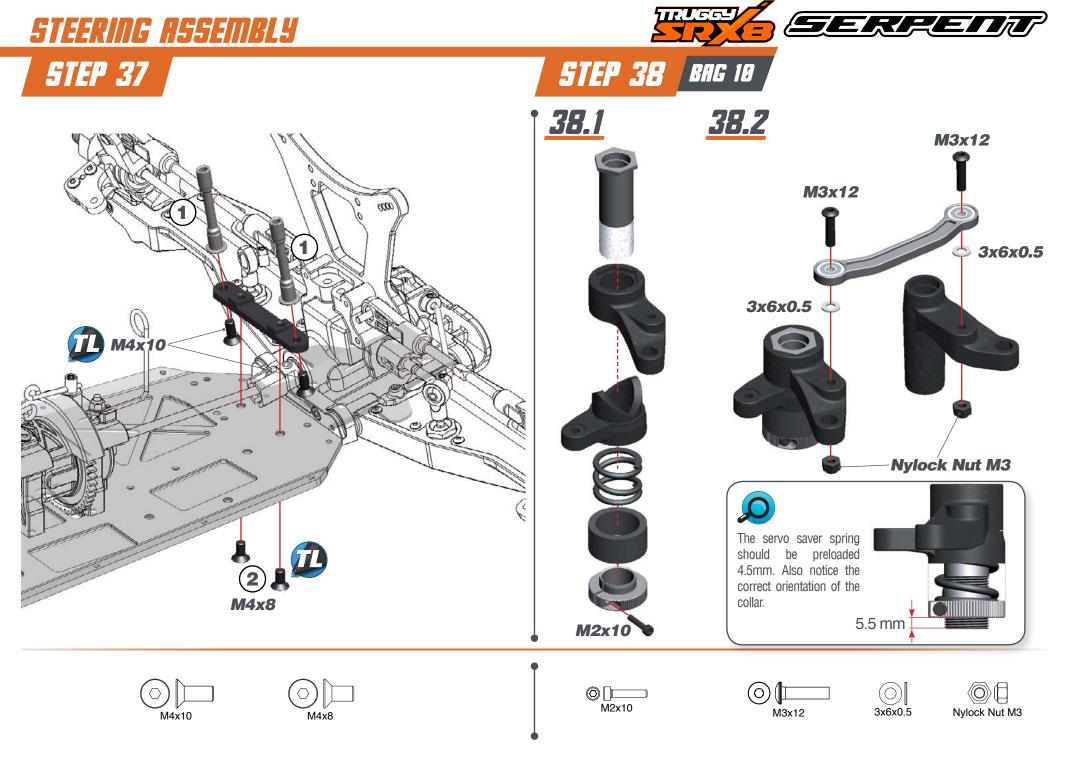


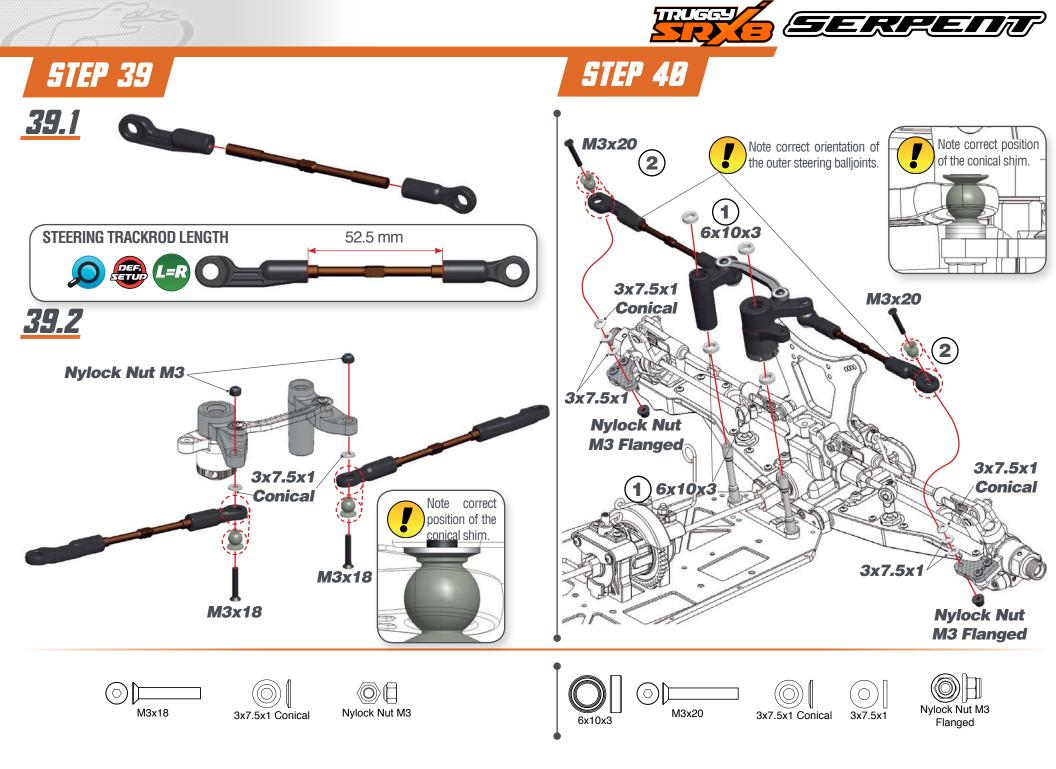


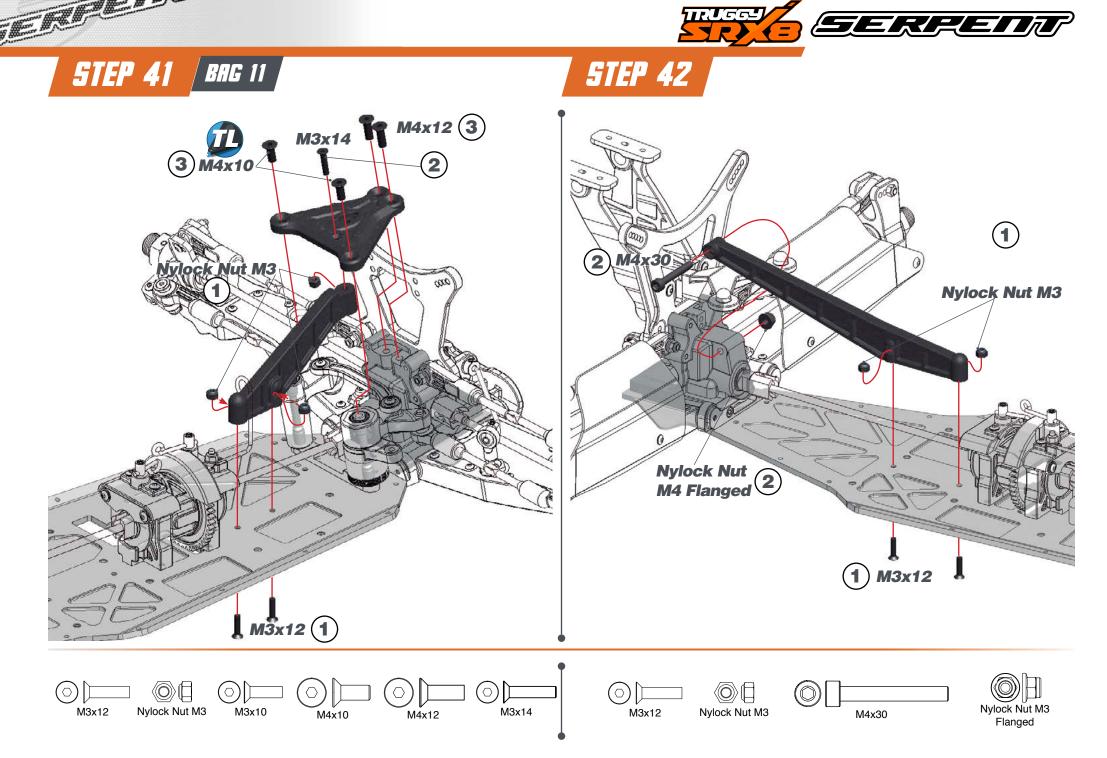




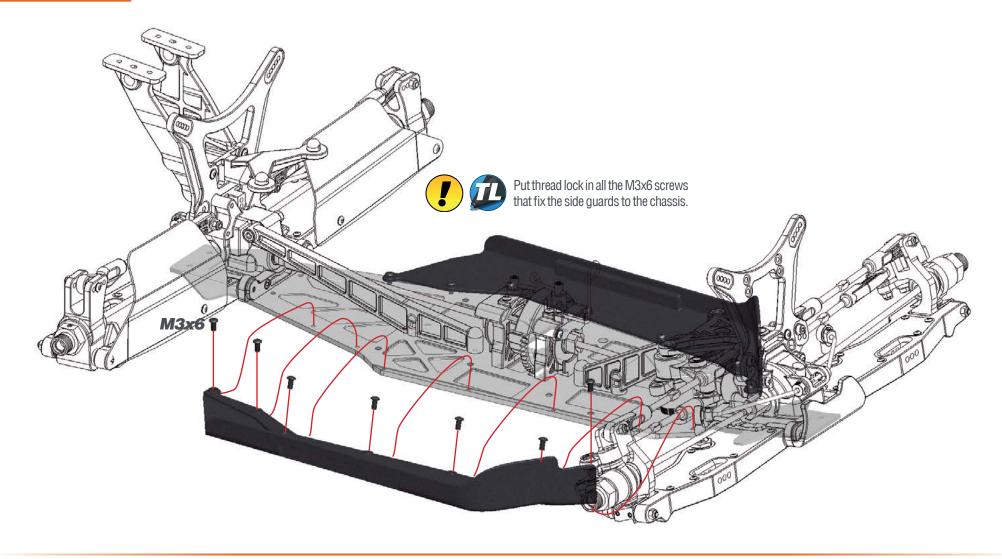








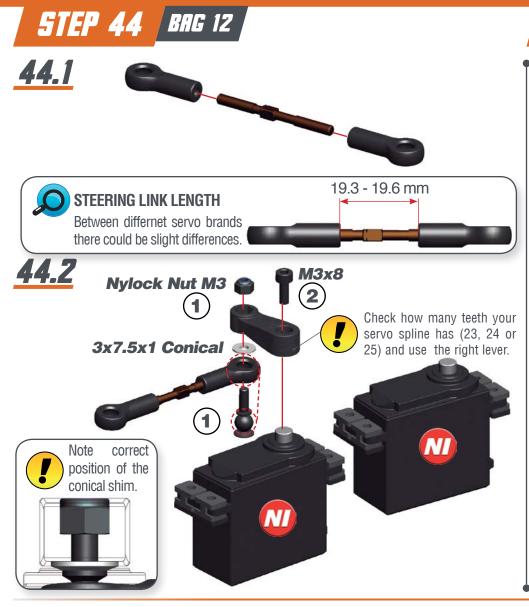




() M3x6







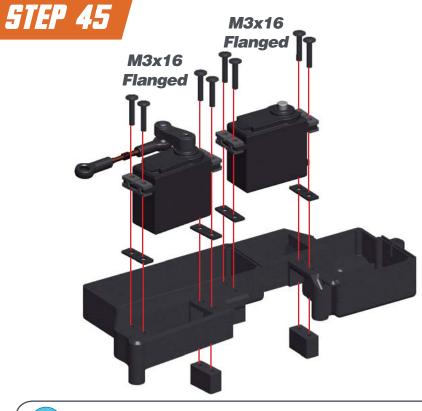
 $\bigcirc$ 

Nylock Nut M3

 $\bigcirc$ 

3x7.5x1 Conical

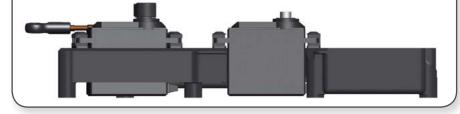
M3x8





SERVO SPACERS

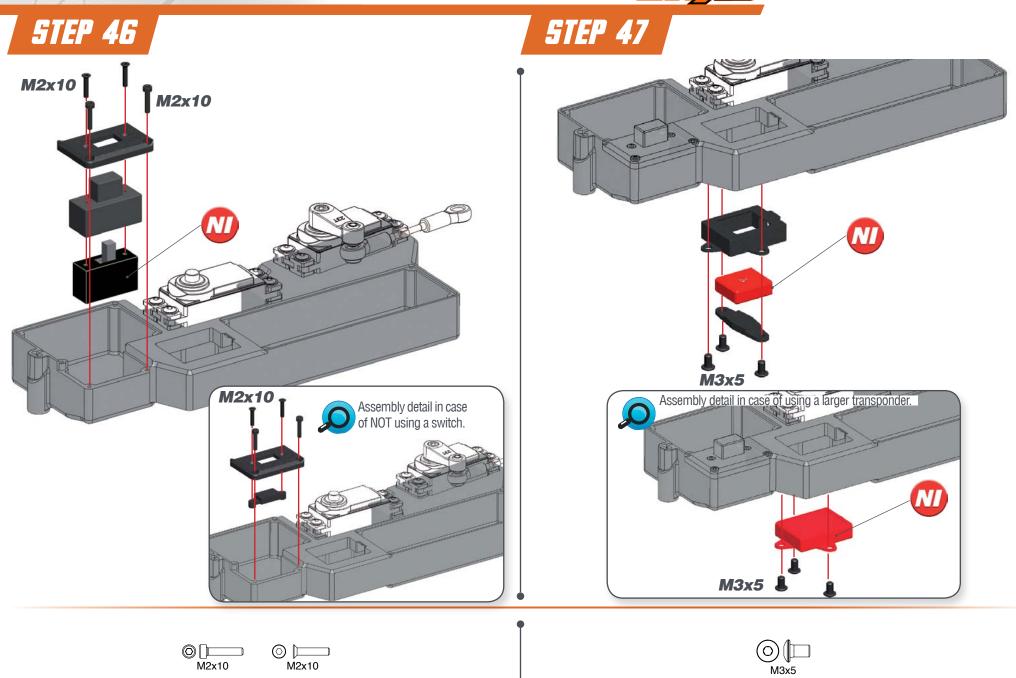
Use enough servo spacers so both servos are flush with the bottom of the radiotray posts. This will prevent the servo to touch the chassis under torsion - flex.

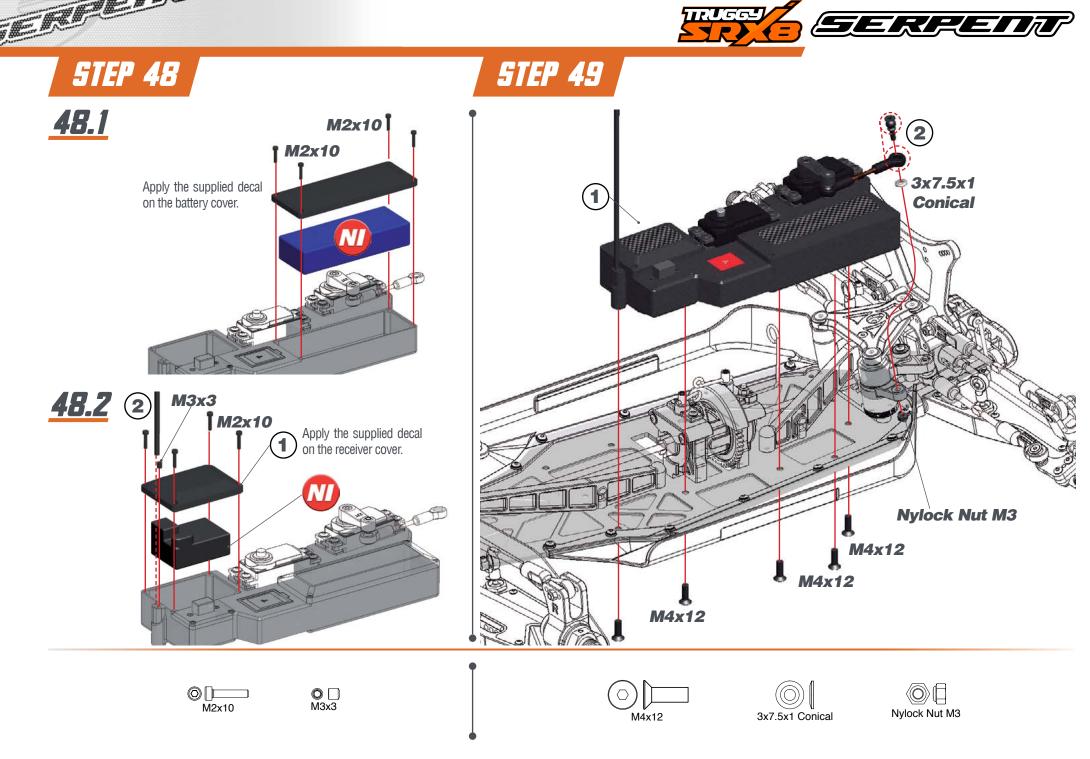












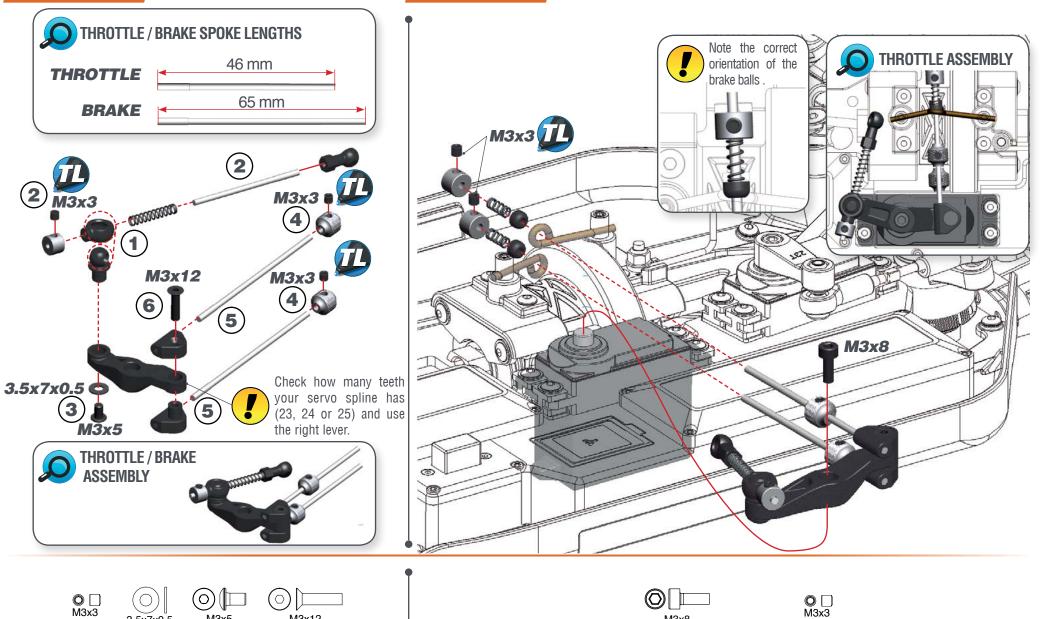


3.5x7x0.5

M3x5

M3x12



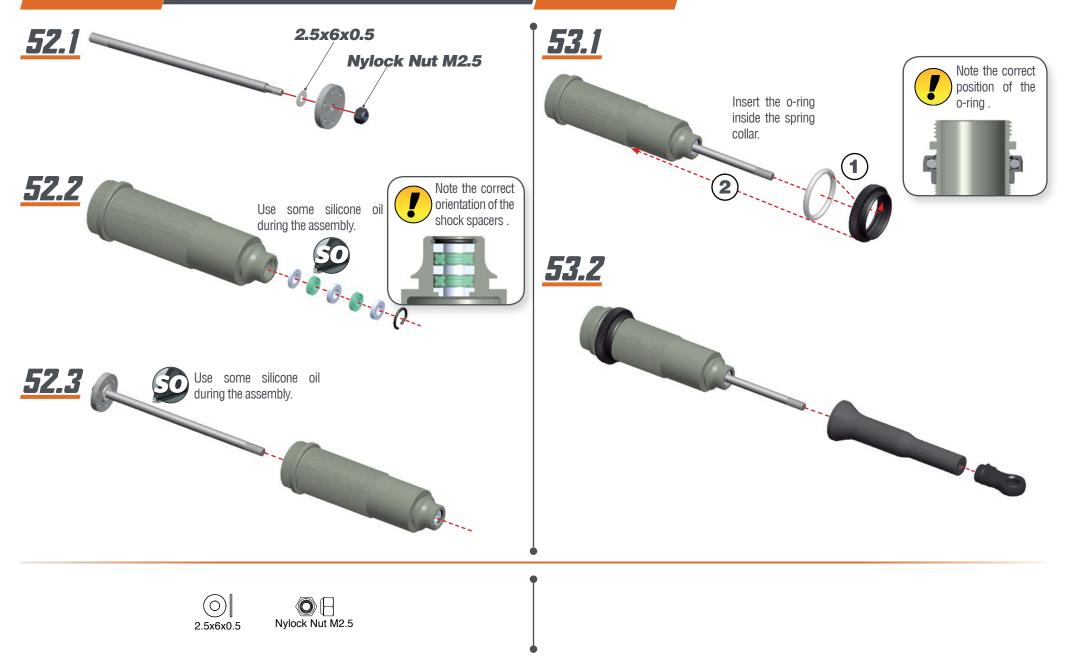


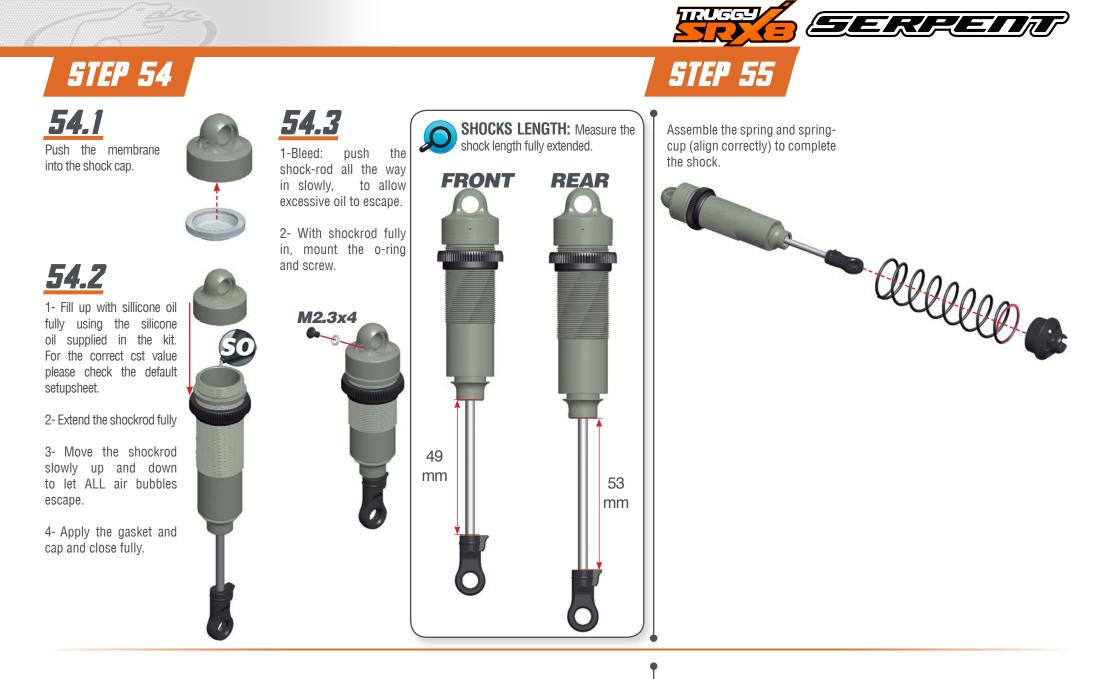
M3x8

### SHOCKS ASSEMBLY



## STEP 52 | BAG 13 FR SHOCKS / BAG 14 RR SHOCKS | STEP 53

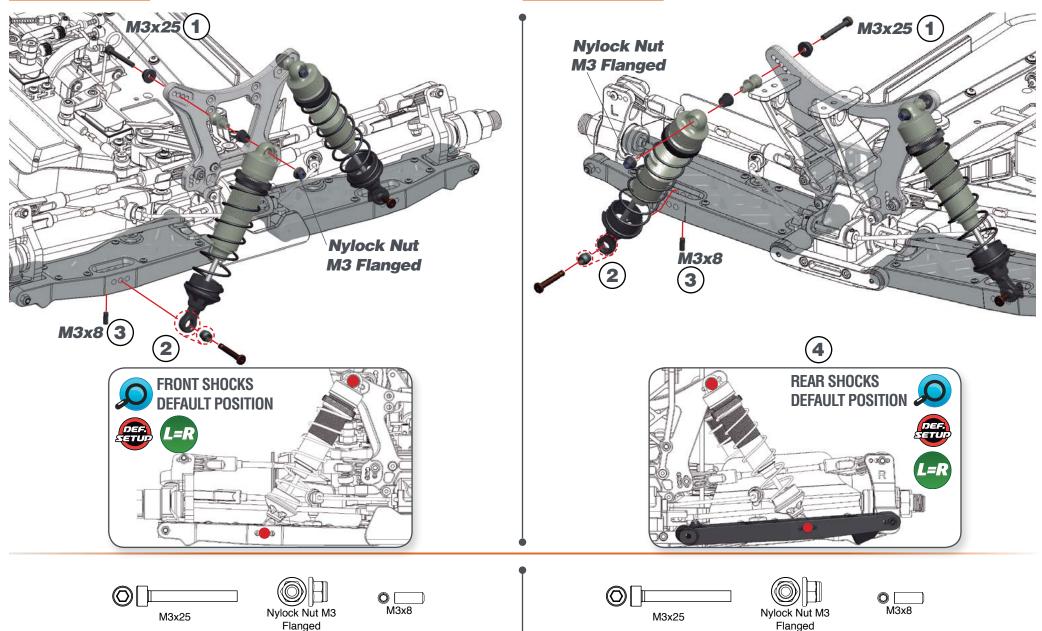












### FINAL ASSEMBLY



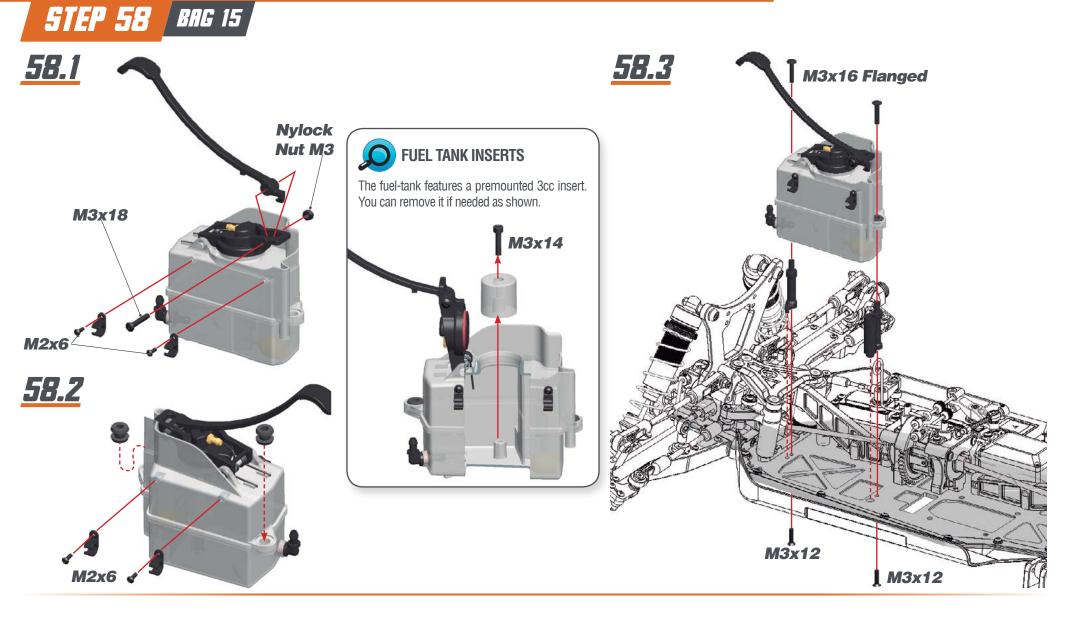


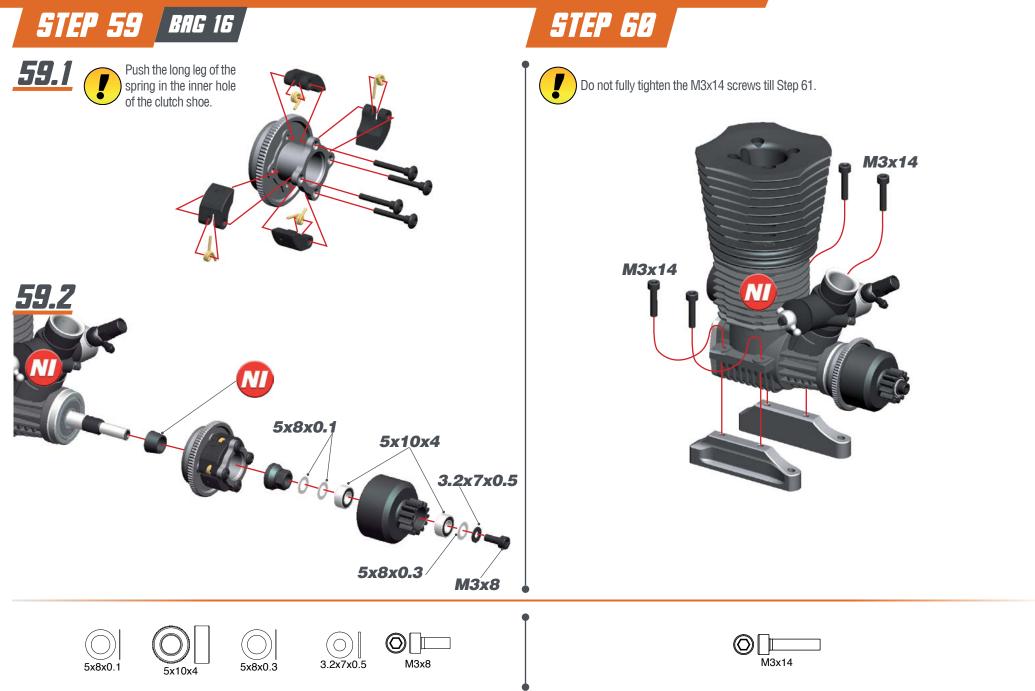
 Image: M2x6
 Image: M3x18
 Image: M3x14
 Image: M3x14



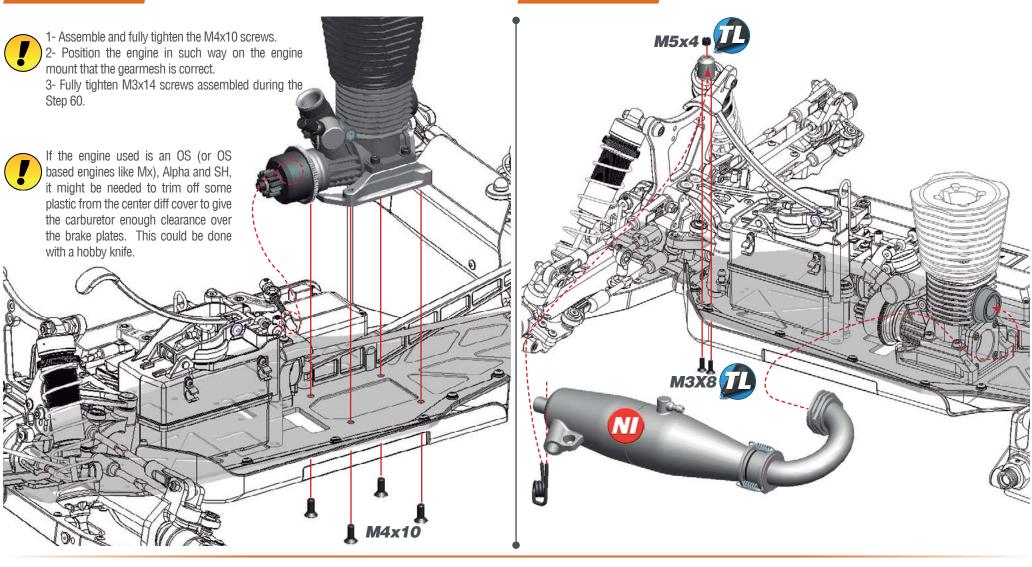


# CLUTCH AND ENGINE ASSEMBLY









*STEP 62* 



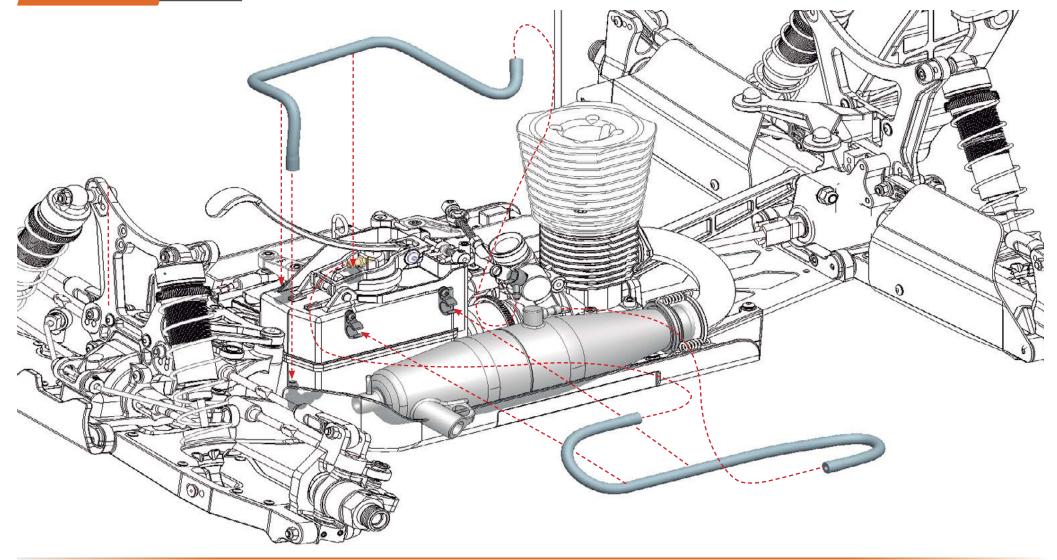


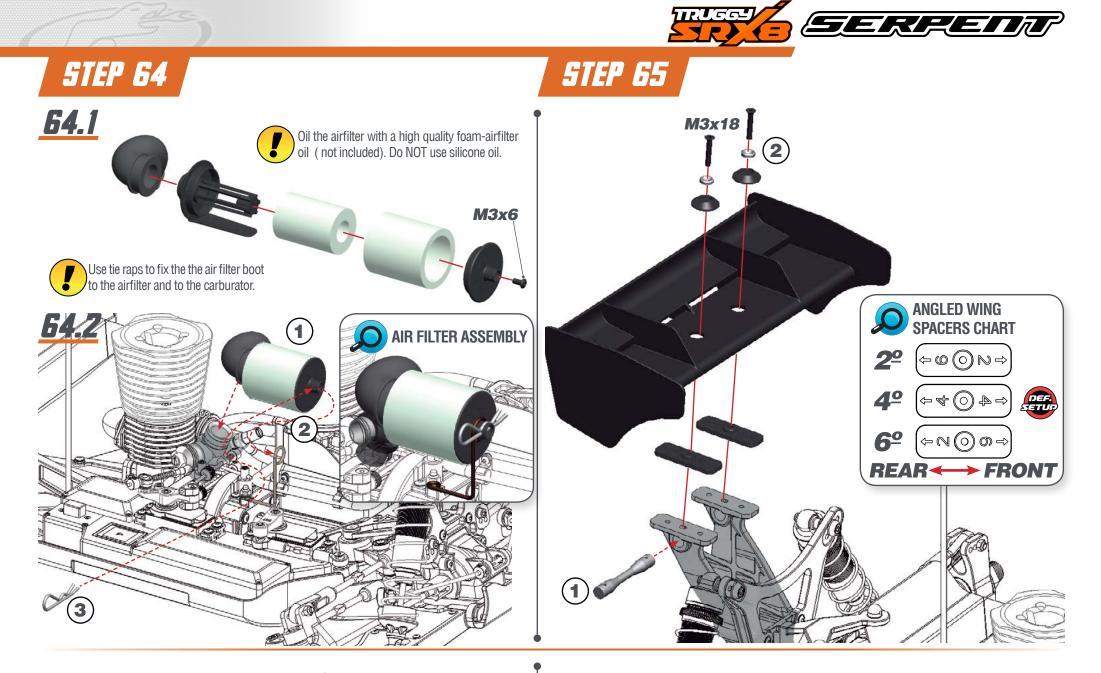






# STEP 63 BAG 17





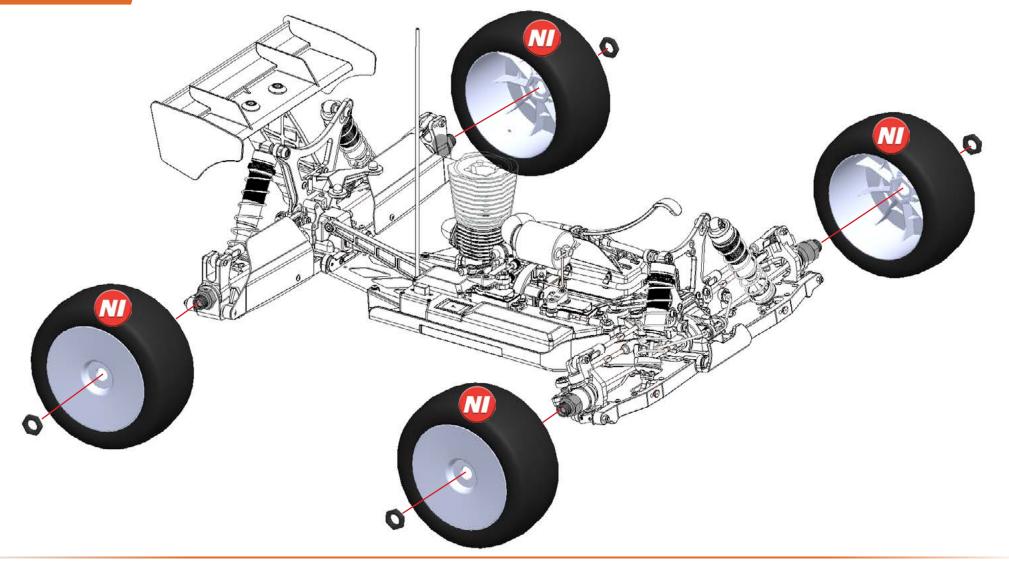




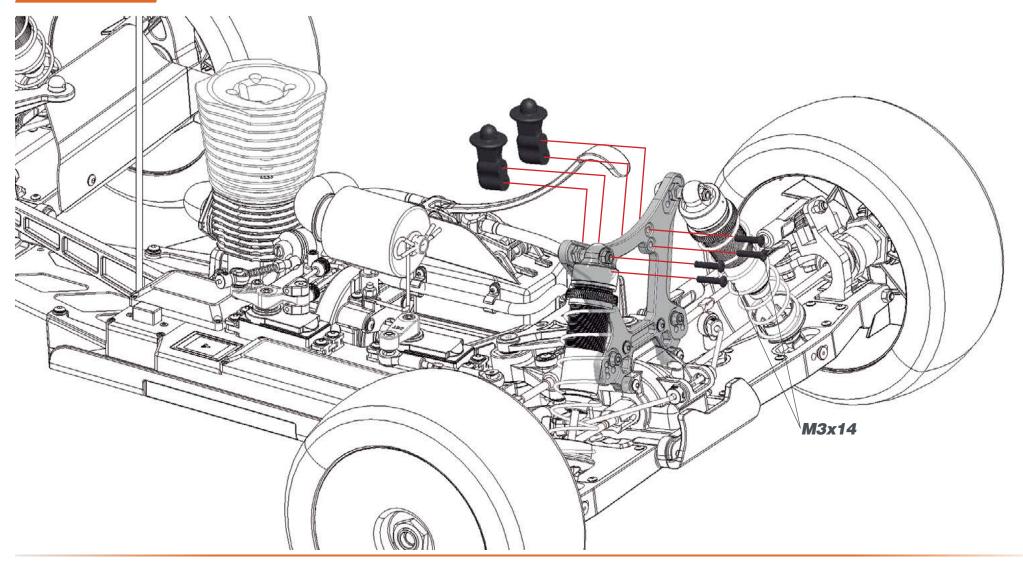










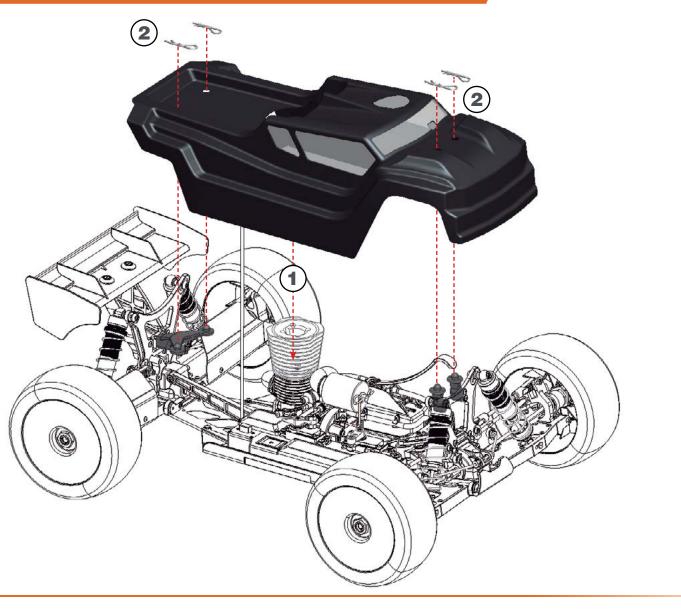


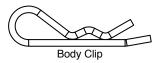


1- Cut the body along the cutting line with special scissors (not included). Make holes for the bodypost and antenna as needed with a body reamer (not included). Make a longer bodypost hole in the rear, to allow for chassis flex movement.

2- Before painting the body, apply the precut masking sheet elements to the inside of the body. Follow the cleaning & painting instructions supplied by the polycarbonate paint supplier you choose.

3- Apply the Serpent and Cobra logo-decals on the body and wing.





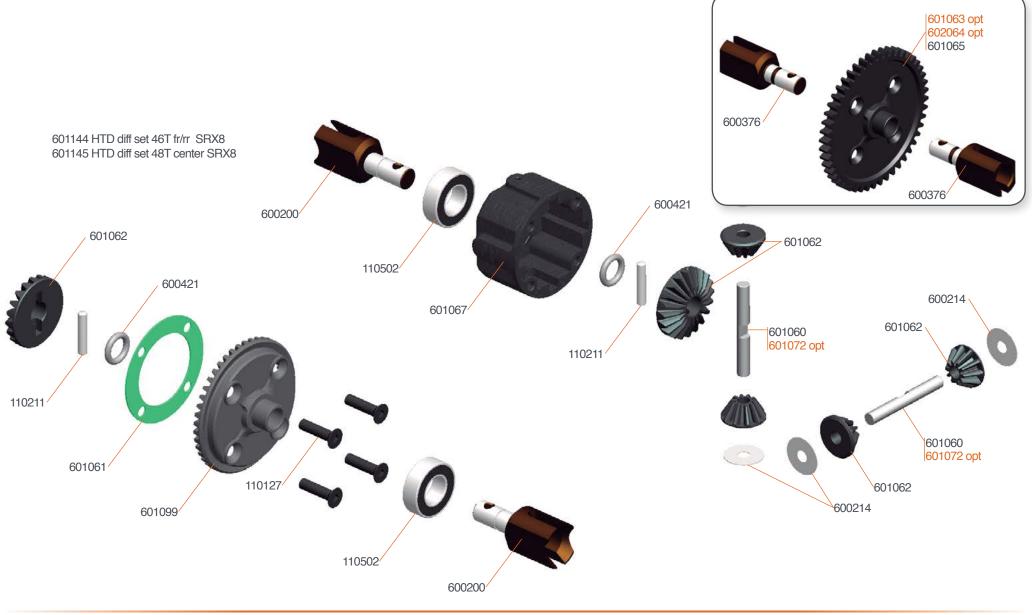


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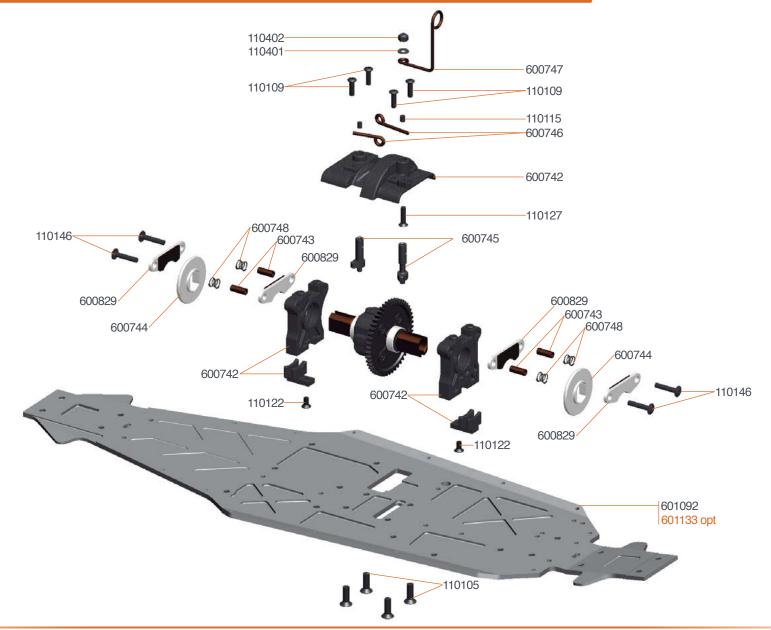
#### DIFFERENTIAL EXPLODED VIEW







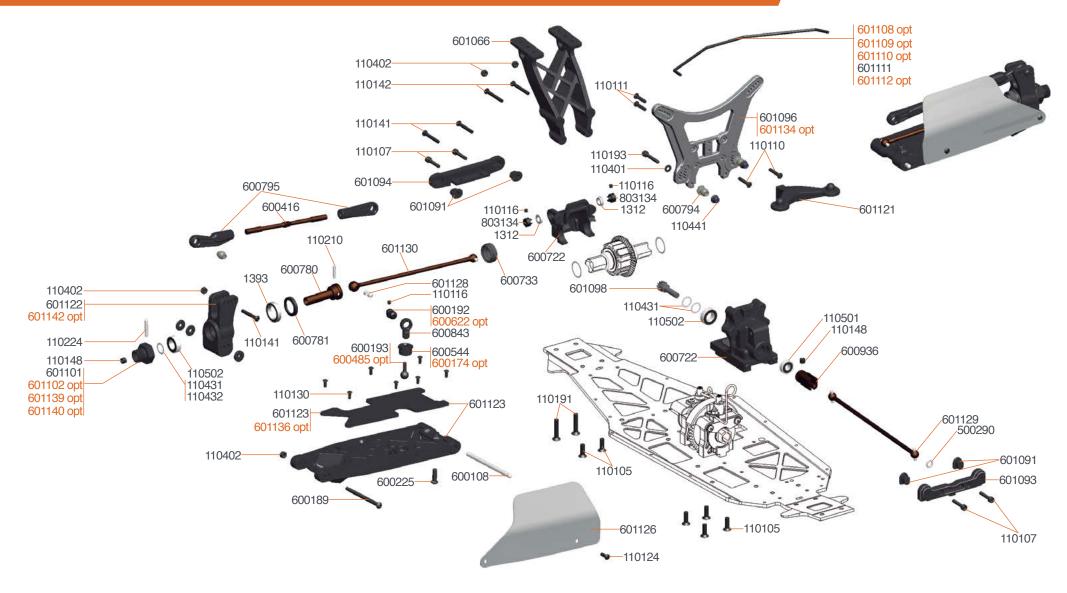




OPT

#### REAR EXPLODED VIEW



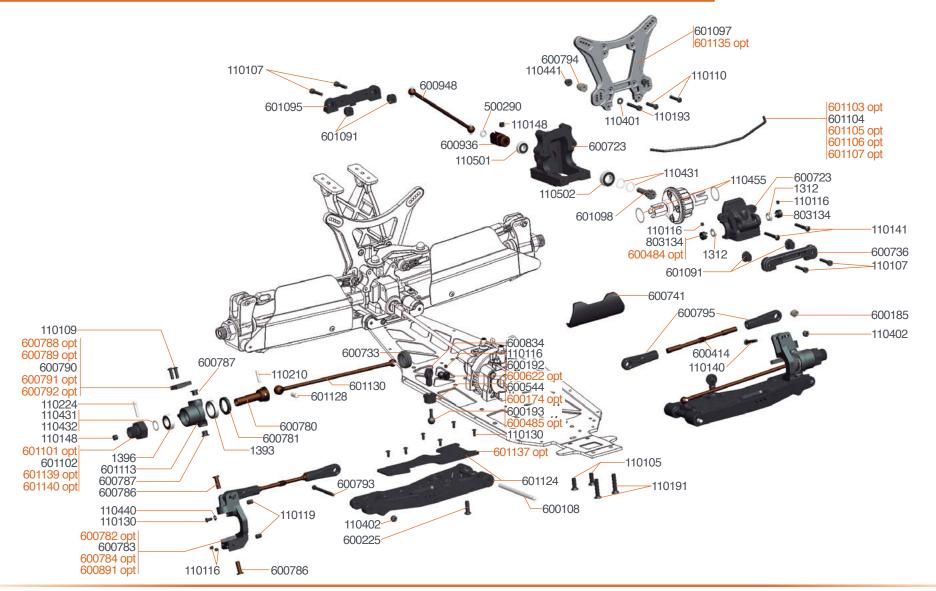




601102 Wheelhexagon +1mm (2) SRX8T 601108 Antiroll bar rr 2.2mm SRX8T 601109 Antiroll bar rr 2.3mm SRX8T 601110 Antiroll bar rr 2.4mm SRX8T 601112 Antiroll bar rr 2.6mm SRX8T 601134 Shocktower rr carbon SRX8T 601139 Wheelhexagon 0mm light (2) SRX8T 601140 Wheelhexagon +1mm light (2) SRX8T 601142 Upright L+R alu SRX8T



#### FRONT EXPLODED NIEW



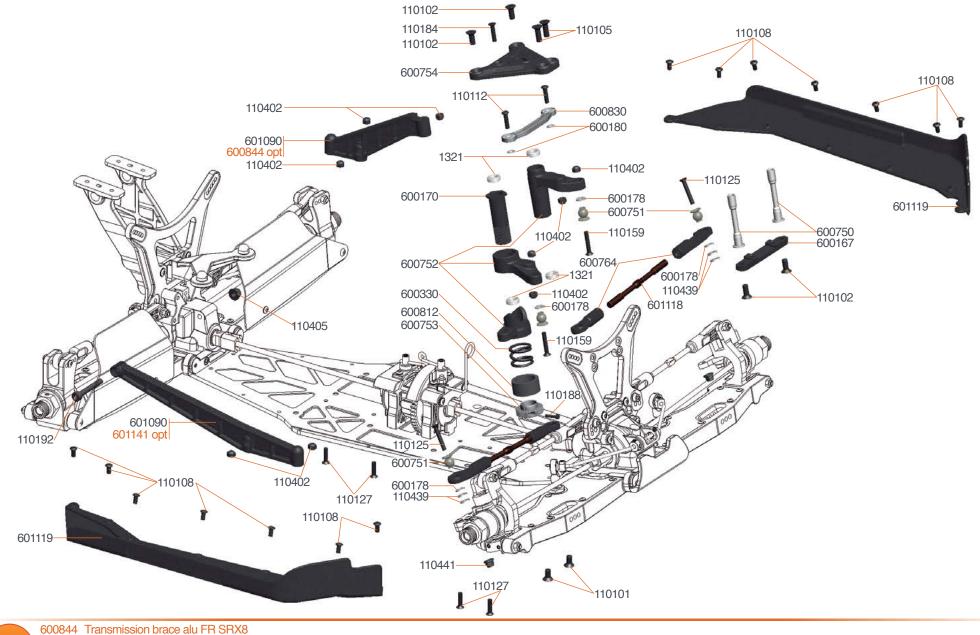
600174 Antirollbar nut (2)
600484 Antirollbar spacer 3mm alu (2)
600485 Pivotball threaded anti roll bar alu (2)
600622 Pivotball antirollbar alu (4)
600782 C-hub 13deg L+R alu SRX8
600784 C-hub 17deg L+R alu SRX8
600788 Steering arm 0 carbon (2) SRX8

**OP**T

600789Steering arm 1 carbon (2) SRX8600791Steering arm 3 carbon (2) SRX8600792Steering arm 4 carbon (2) SRX8600891C-hub 19deg L+R alu SRX8601101Wheelhexagon 0mm (2) SRX8T601103Antiroll bar fr 2.2mm SRX8T601105Antiroll bar fr 2.4mm SRX8T

601106 Antiroll bar fr 2.5mm SRX8T
601107 Antiroll bar fr 2.6mm SRX8T
601135 Shocktower fr carbon SRX8T
601139 Wheelhexagon 0mm light (2) SRX8T
601140 Wheelhexagon +1mm light (2) SRX8T

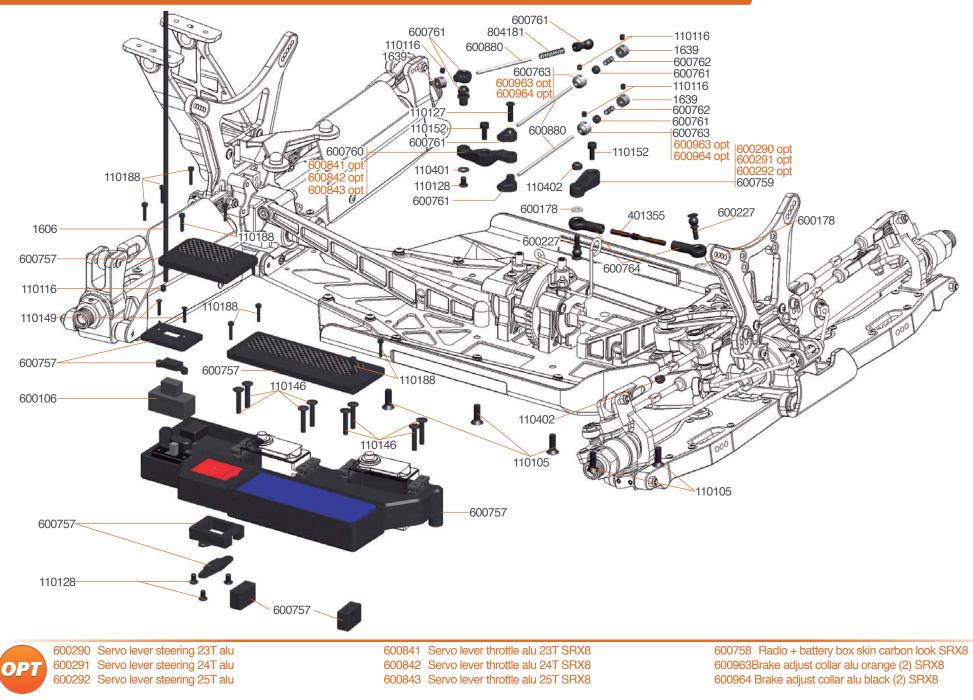




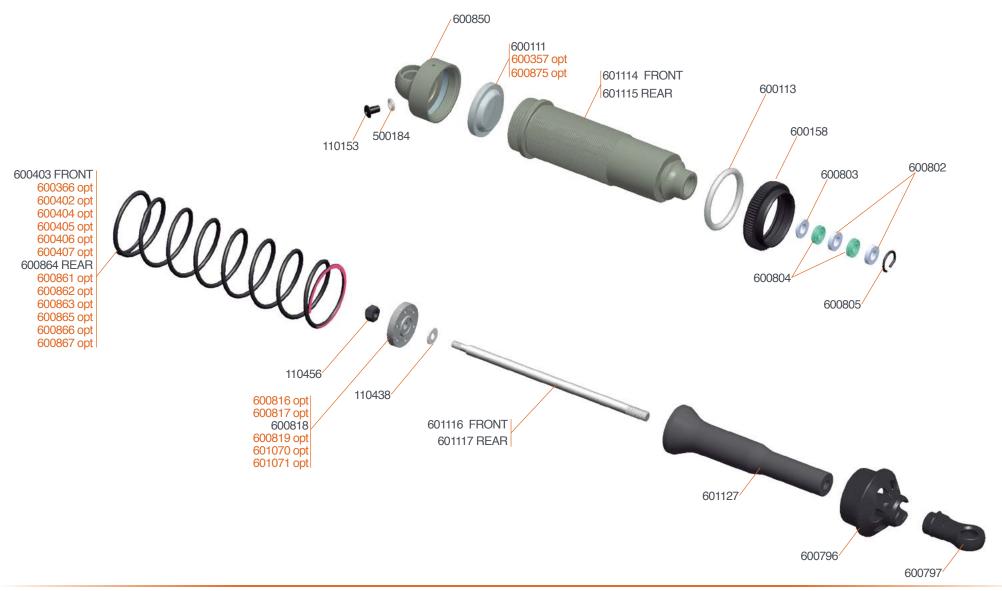
601141 Transmission brace alu FR SRX8

### RADIO EXPLODED VIEW









600357 Membrane webbed silicone (4)
600861 Shockspring RR 3.0 lbs orange (2)
600862 Shockspring RR 3.2 lbs red (2)
600865 Shockspring RR 3.8 lbs purple (2)
600866 Shockspring RR 4.0 lbs green (2)
600867 Shockspring set RR (6x2)

 600366
 Spring set FR Truggy (7x2)

 600402
 Spring set FR Pink 4,8lbs (2)

 600404
 Spring set FR Purple 5.2 lbs (2)

 600405
 Spring set FR Green 5,4 lbs (2)

 600406
 Spring set FR Gray 5,6 lbs (2)

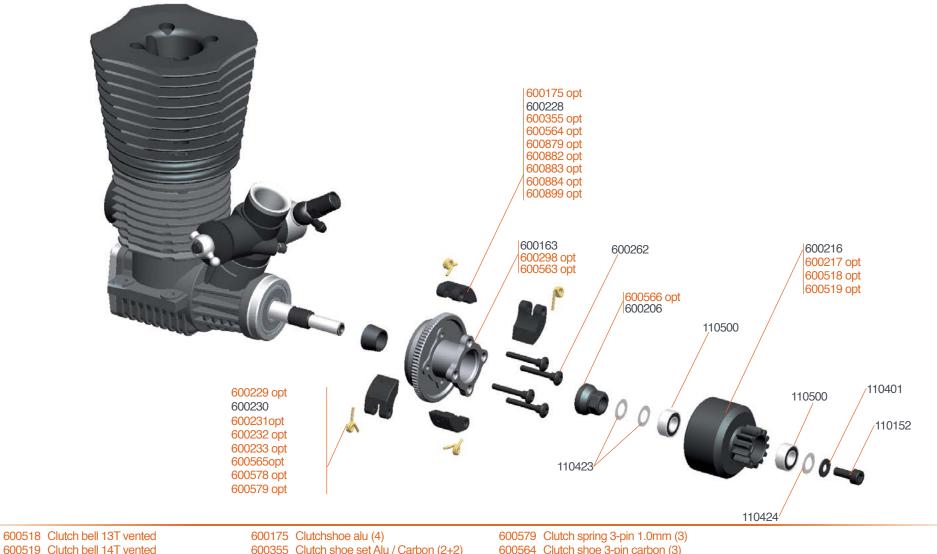
 600407
 Spring set FR Yellow 5.8 lbs (2)

600357Membrane webbed silicone (4)600816Shock piston blank (4) SRX8600817Shock piston 5 holes (4) SRX8600819Shock piston 8 holes (4) SRX8600875Shock top gasket (4) SRX8600863Shockspring RR pink 3.4lbs (2)

601070 Shock piston angled 1.2mm 8holes (4) SRX8 601071 Shock piston angled 1.3mm 8holes (4) SRX8

**OPT** 





600217 Clutch bell 14T 600229 Clutch spring soft 0.85mm (4) 600231 Clutch spring hard 0.95mm(4) 600232 Clutch spring X hard 1mm(4) 600233 Clutch spring set (4x4) 600175 Clutchshoe alu (4)
600355 Clutch shoe set Alu / Carbon (2+2)
600244 Clutch-set alu / carbon
600298 Flywheel steel
600563 Flywheel 3-pin alu
600565 Clutch spring 3-pin 0.9mm (3)
600578 Clutch spring 3-pin 1.0mm (3)

 600579
 Clutch spring 3-pin 1.0mm (3)

 600564
 Clutch shoe 3-pin carbon (3)

 600566
 Clutch nut 3-pin

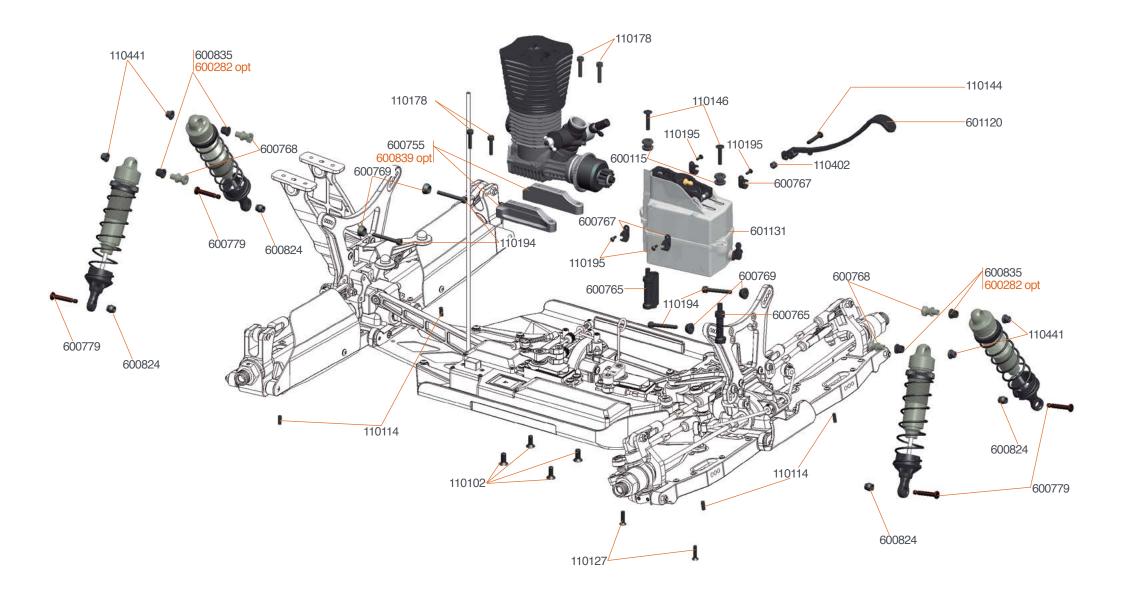
 600879
 Clutch shoe yellow (4)

 600882
 Clutch shoe 4-pin alu 6061 (4)

 600883
 Clutch shoe 3-pin alu 6061 (3)

 600884
 Clutch shoe 3-pin alu 7075 (3)



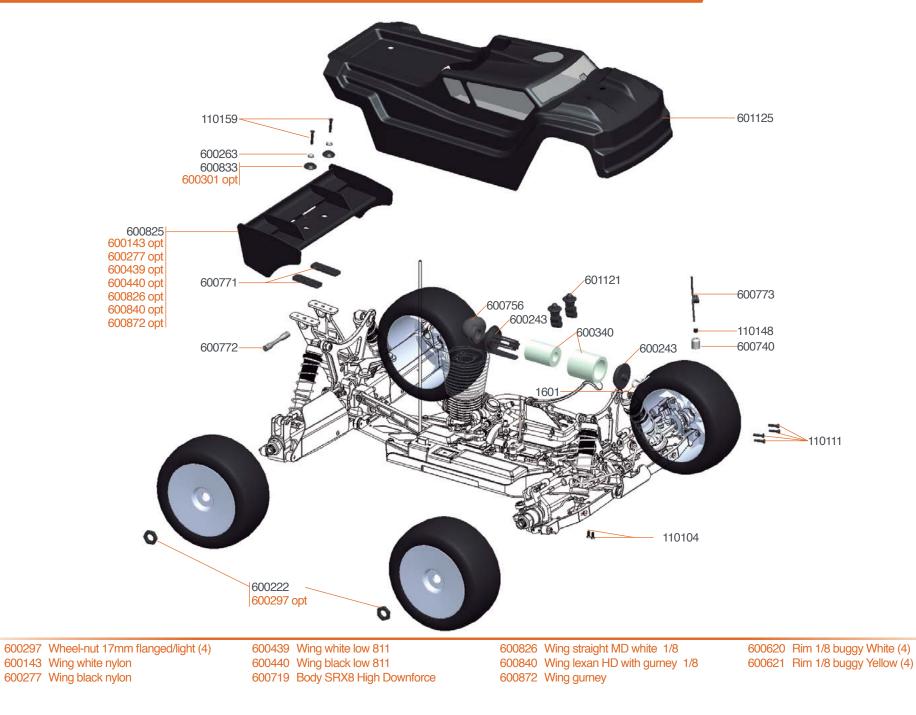


600282 Shock-pivot bushing delrin (4) 600839 Motormount mono alu SRX8

#### FINAL 2 EXPLODED NIEW

ОРТ







SRX8 TRUGGY SPARE PARTS www.serpent.com/600059/spares/



SRX8 TRUGGY OPTIONALS PARTS www.serpent.com/600059/Optionals/







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



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



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