

VIPER 990 EVO

1/8 ON ROAD SCALE

INSTRUCTION
MANUAL

GP  **GAS
POWERED**

SERPENT

INTRODUCTION

The Serpent Viper 990 EVO is designed to be a world champion, while still being easy to use, assemble, and set up. The Serpent Viper 990 EVO offers state of the art specifications and leads the way in 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 new and innovative features that help take your Serpent Viper 990 EVO into the winner's circle.

Designed by Michael Salven

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 later on 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 Viper 990 EVO. Fine-tuning the initial setup is an essential part of building a high-performance racecar like your Serpent Viper 990 EVO.

EXPLODED VIEWS AND PARTS LIST

The exploded views and parts lists for the Serpent Viper 990 EVO are presented in the Reference Guide section in the back of this manual. The exploded views show all the 990 EVO 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.

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.

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 gloves.
- 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

•	
•	REAR ASSEMBLY
•	GEARBOX ASSEMBLY
•	FRONT ASSEMBLY
•	RADIO ASSEMBLY
•	SHOCKS ASSEMBLY
•	CLUTCH ASSEMBLY
•	FINAL ASSEMBLY
•	EXPLODED VIEWS
•	TEAM SERPENT NETWORK

4
15
18
29
36
42
44
50
60

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.



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



Connect one item to another



Gap between two items



Press/Insert one item into another

ICONS DESCRIPTION

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.



Silicone 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.



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



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



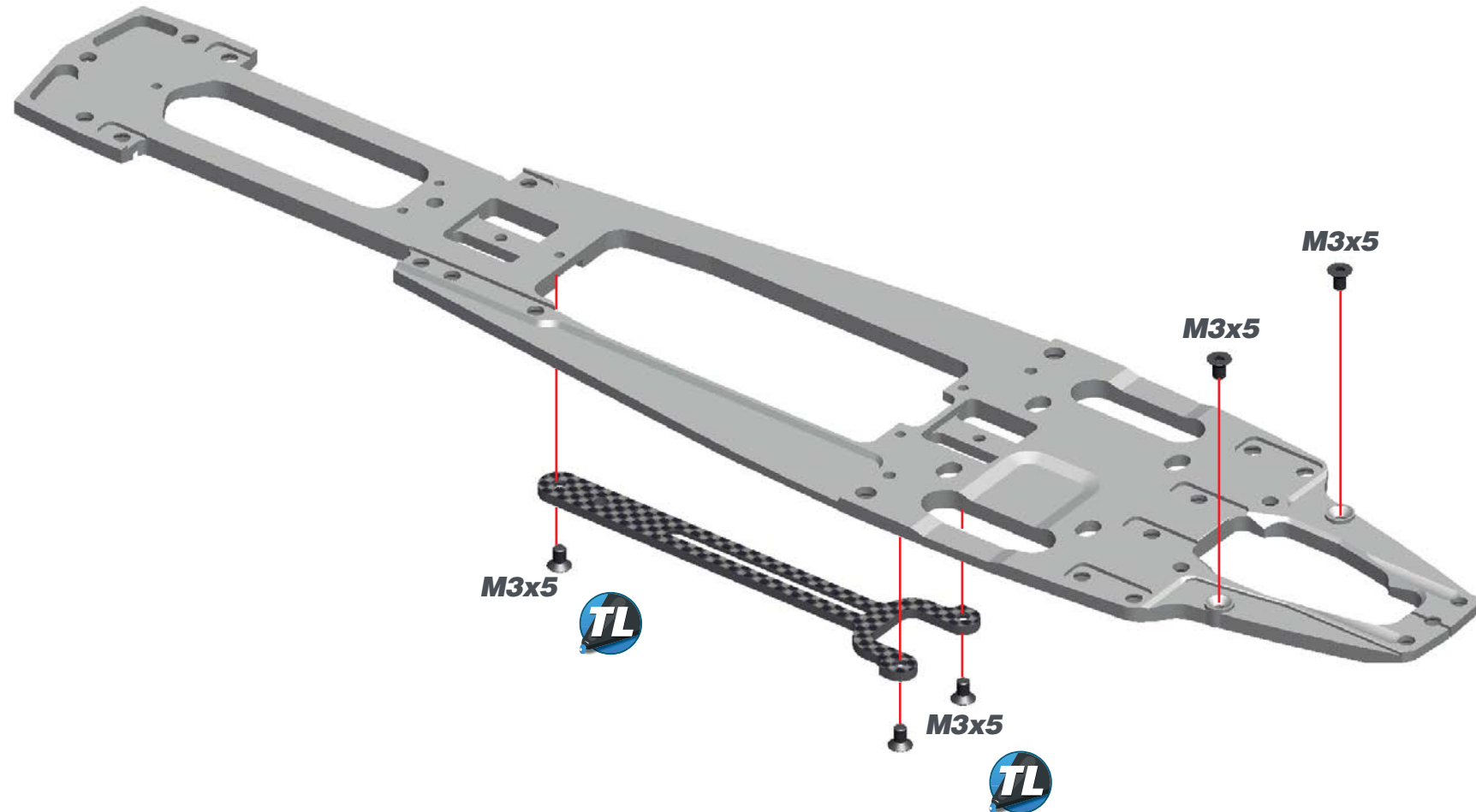
Parts or items not included in the kit.



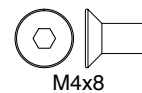
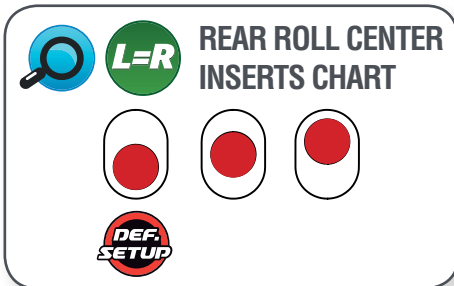
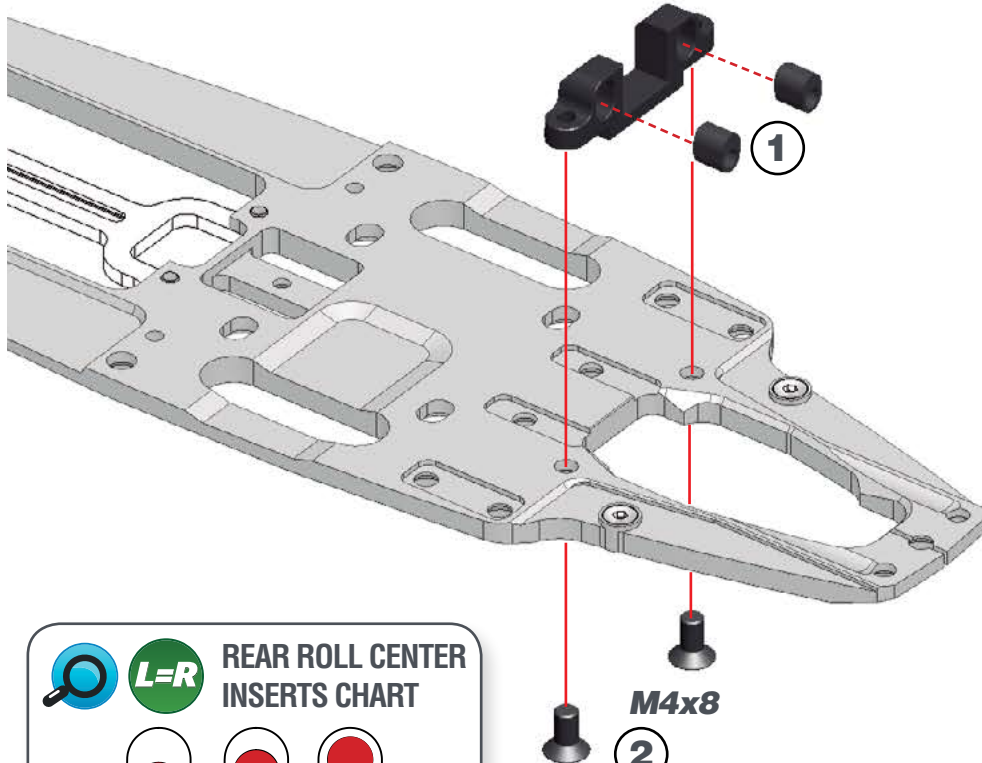
Optional part, not standard in the kit.

STEP 1

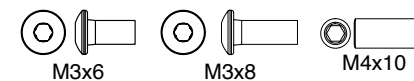
BAG 1



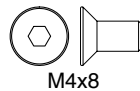
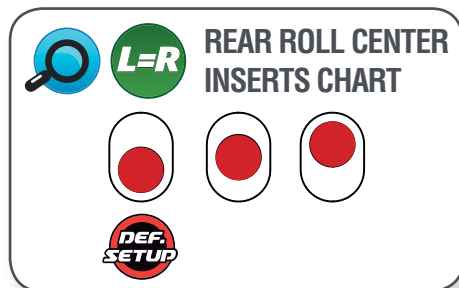
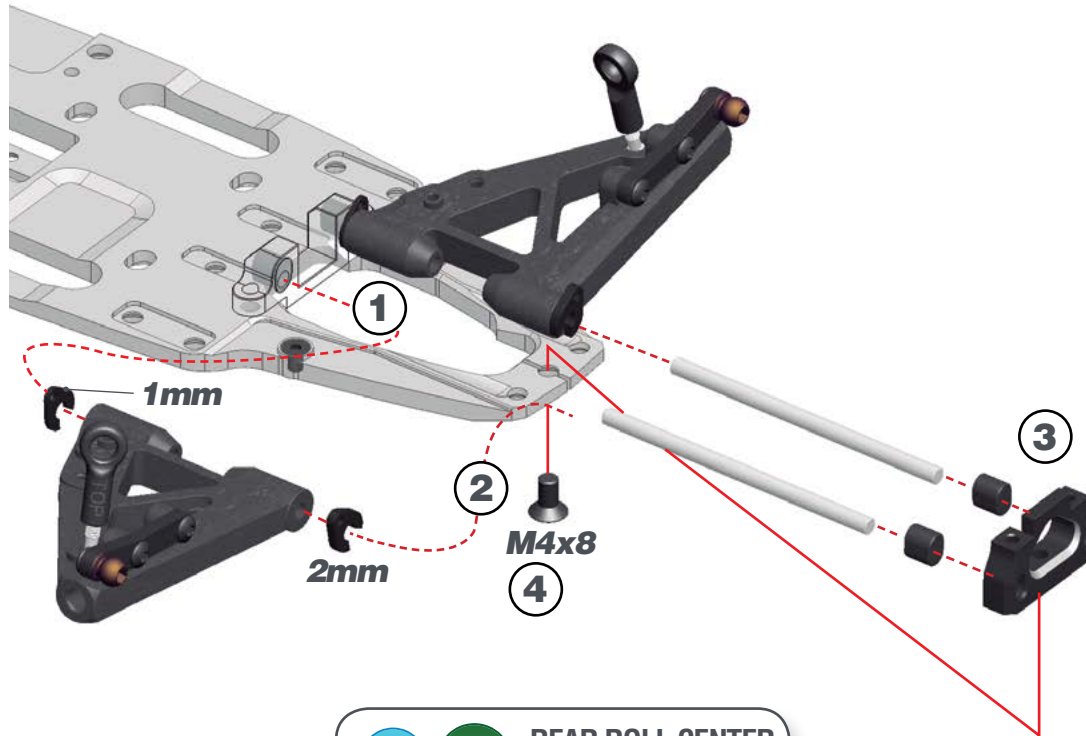
STEP 2



STEP 3

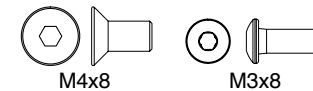
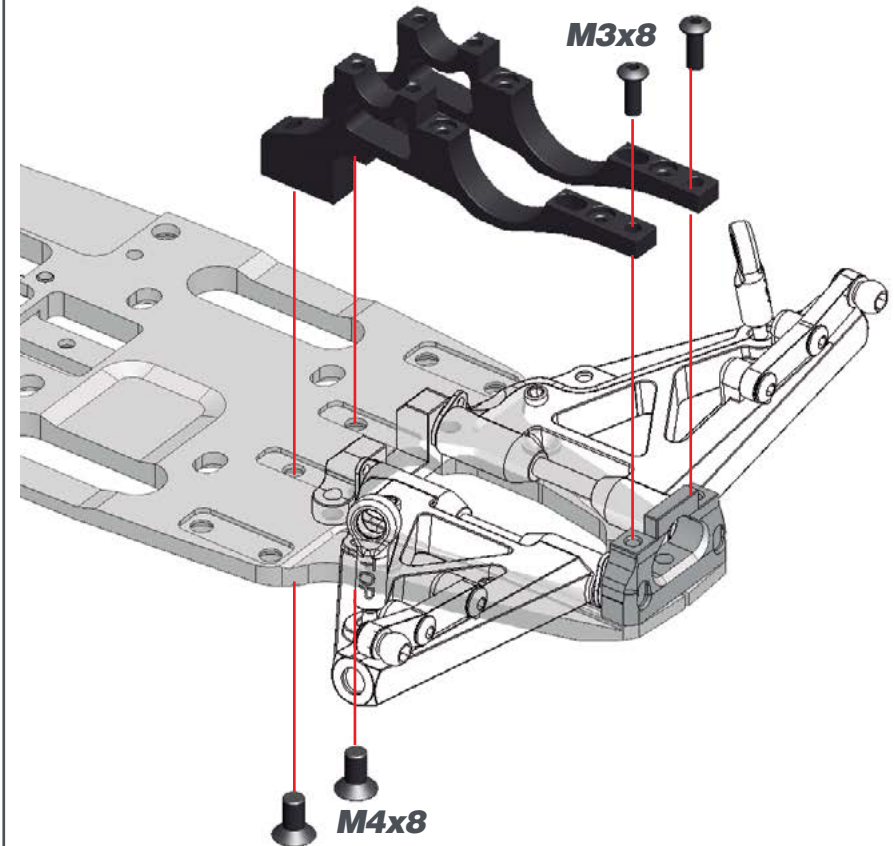


STEP 4

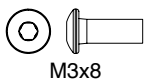
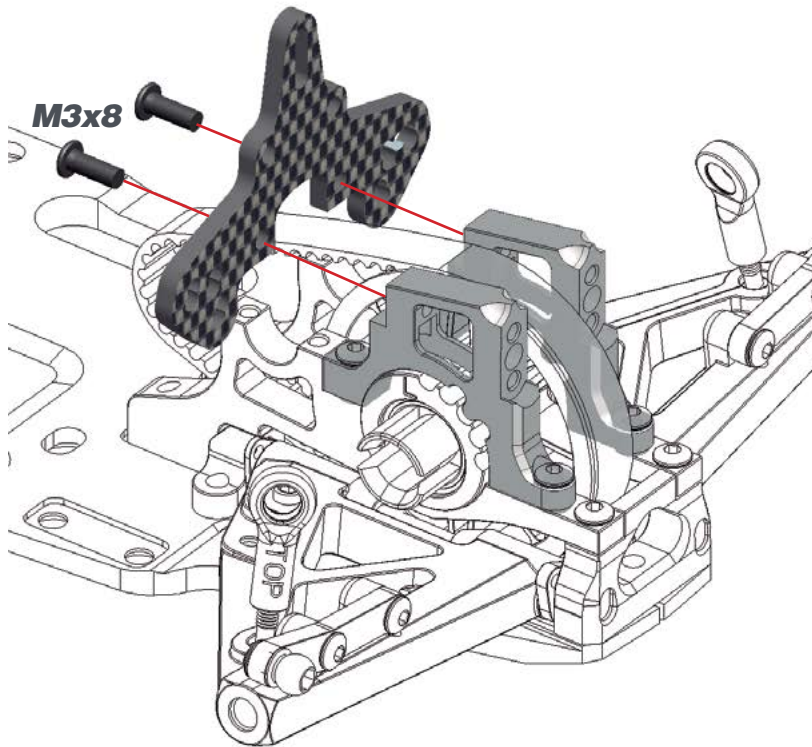


STEP 5

BAG 2

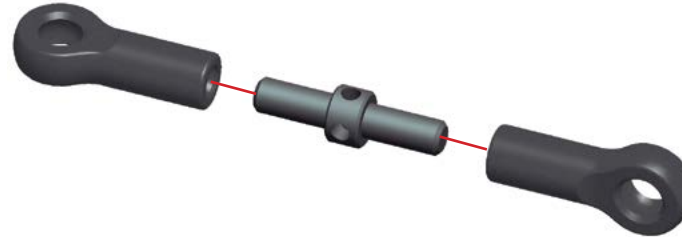


STEP 8

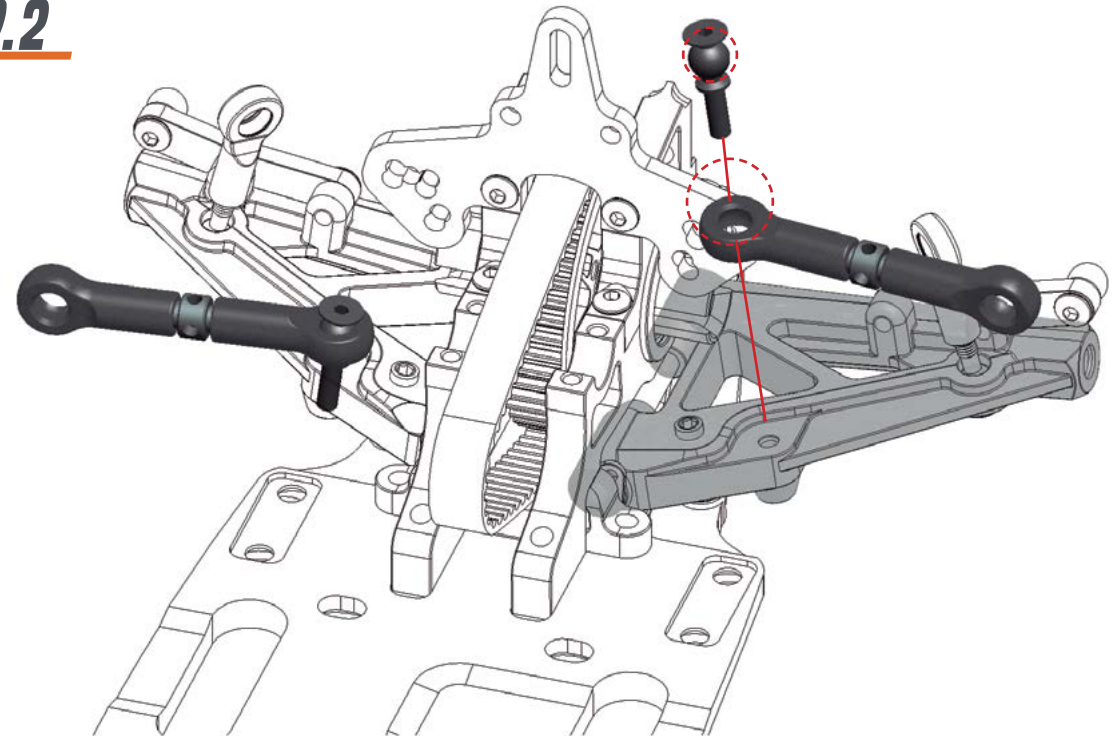


STEP 9

9.1



9.2



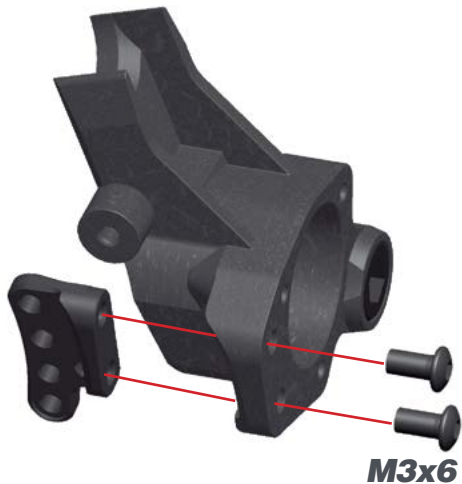
STEP 10

BAG 3

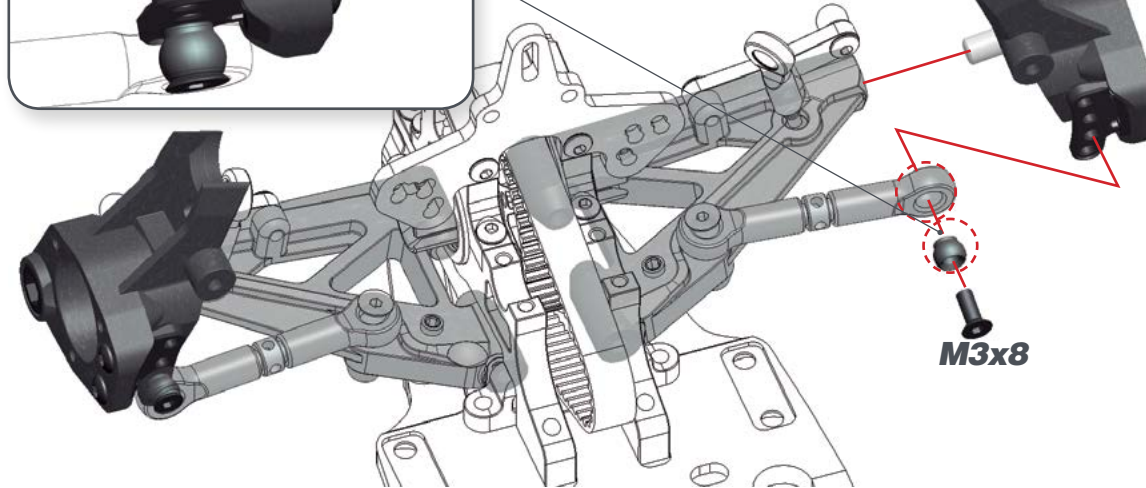
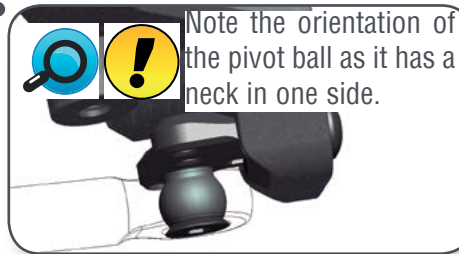
10.1



10.2



STEP 11



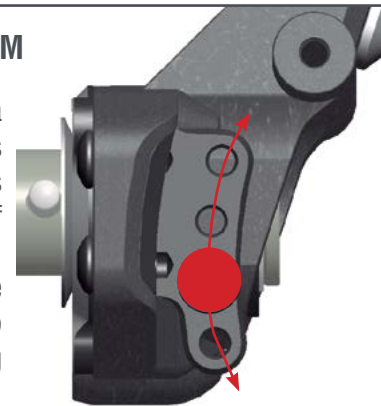
M3x8



REAR REACTIVE STEERING SYSTEM

Serpent 990 introduce the Active rear toe-in. It brings a new dimension to setup changing the toe-in characteristics of the rear tires under rolling effect. It allows to run less static toe-in and still have a good traction coming out of the corner.

Serpent RRS System brings the possibility to adjust the amount of toe-change over the suspension travel from zero to positive or negative toe-change depending on the linking point selected as explained below:

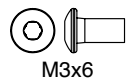


Toe in will increase under aceleration (compression) and will decrease under braking (extension).



Toe in will not change over the suspension travel.

Toe in will decresase under aceleration (compression) and will increase under braking (extension).



M3x6



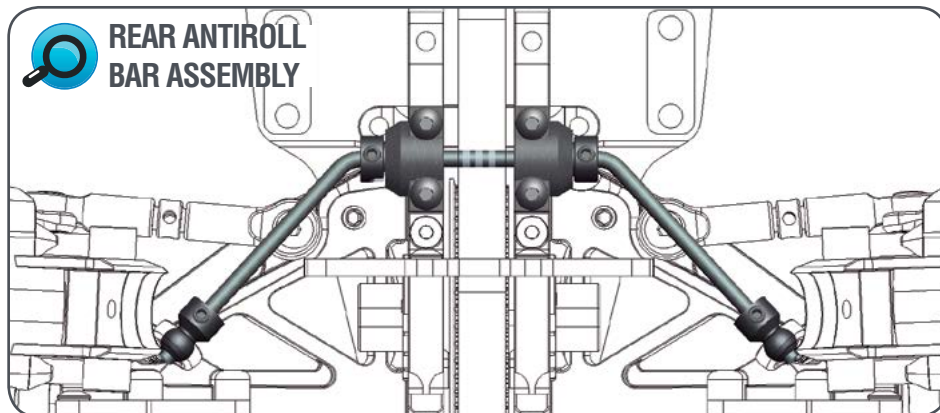
M3x8

STEP 12

12.1



! Do not tighten the M3x3 setscrews until step 10



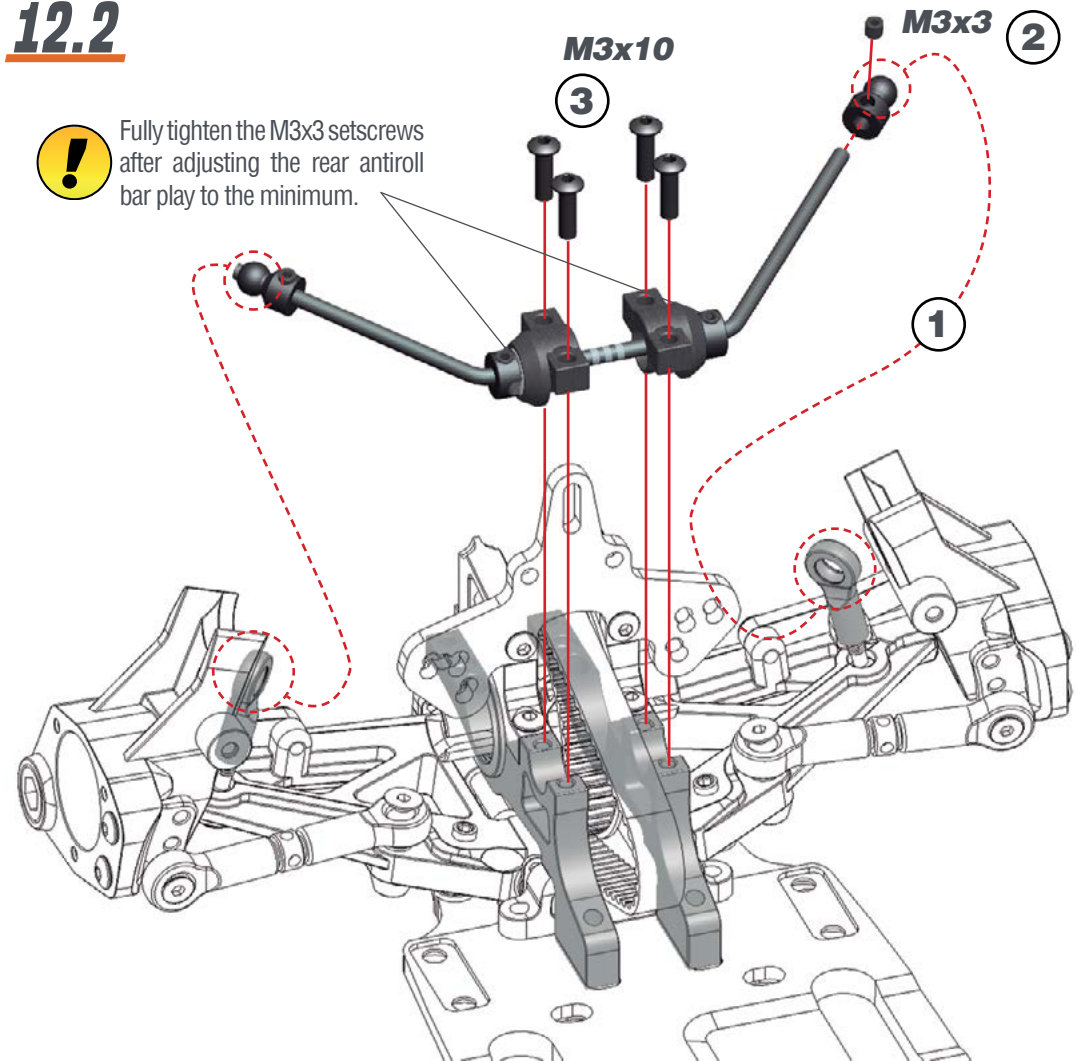
M3x3

5x8x2.5

12.2



Fully tighten the M3x3 setscrews after adjusting the rear antiroll bar play to the minimum.

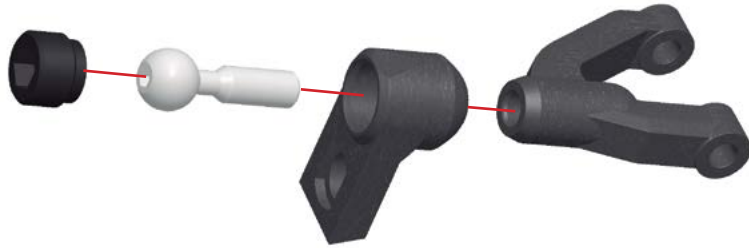


M3x3

M3x10

STEP 13

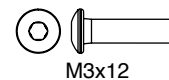
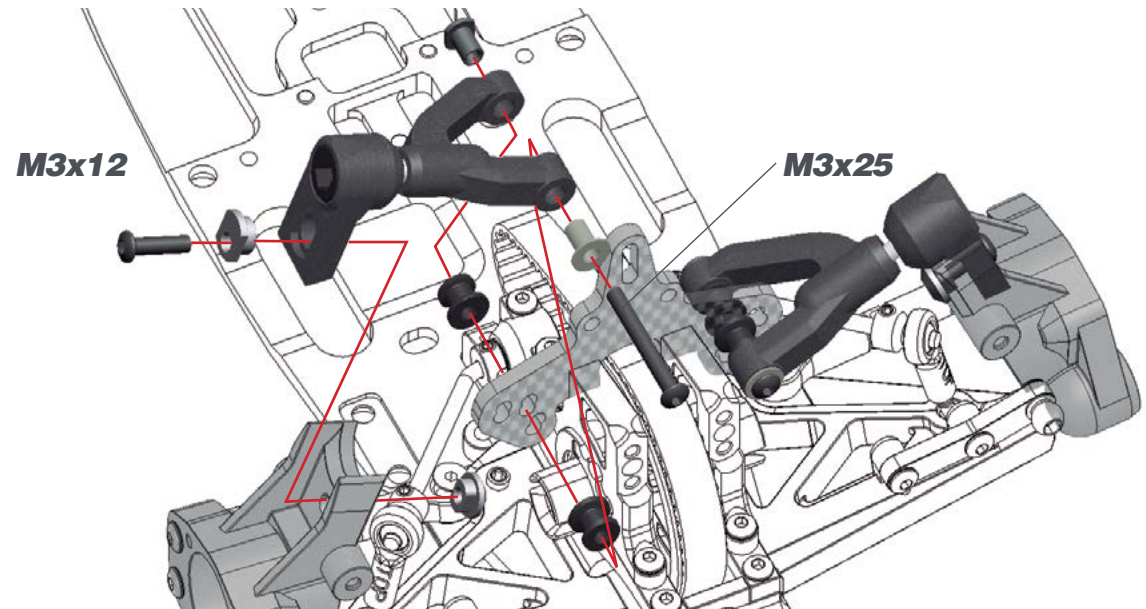
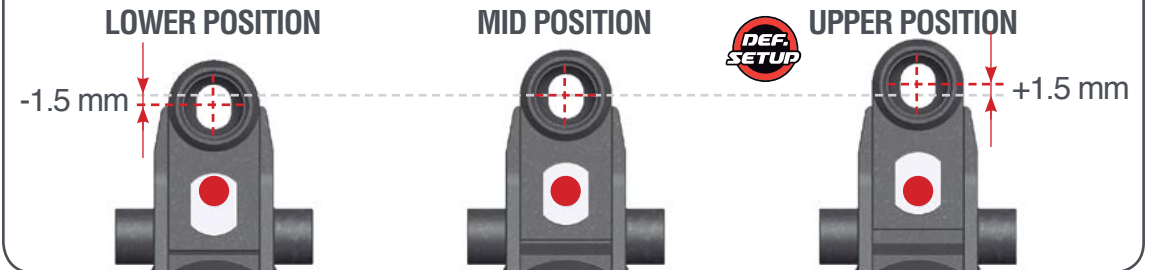
13.1



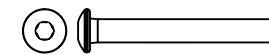
13.2

 **REAR UPPER WHSIBONE ANGLE**

Serpent introduces a new way to adjust the height of the upper pivot on the upright. By changing the excenter, it is possible to move the position up or down by 1.5mm as well as using a “neutral” position.



M3x12

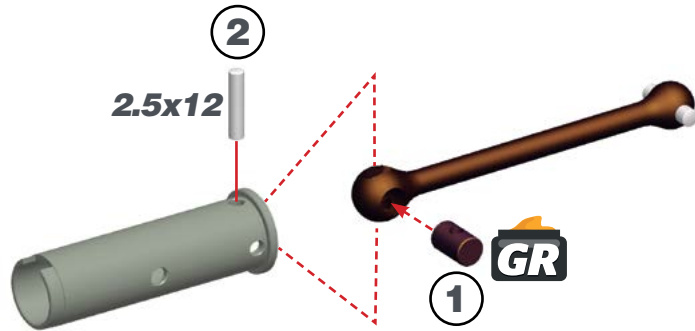


M3x25

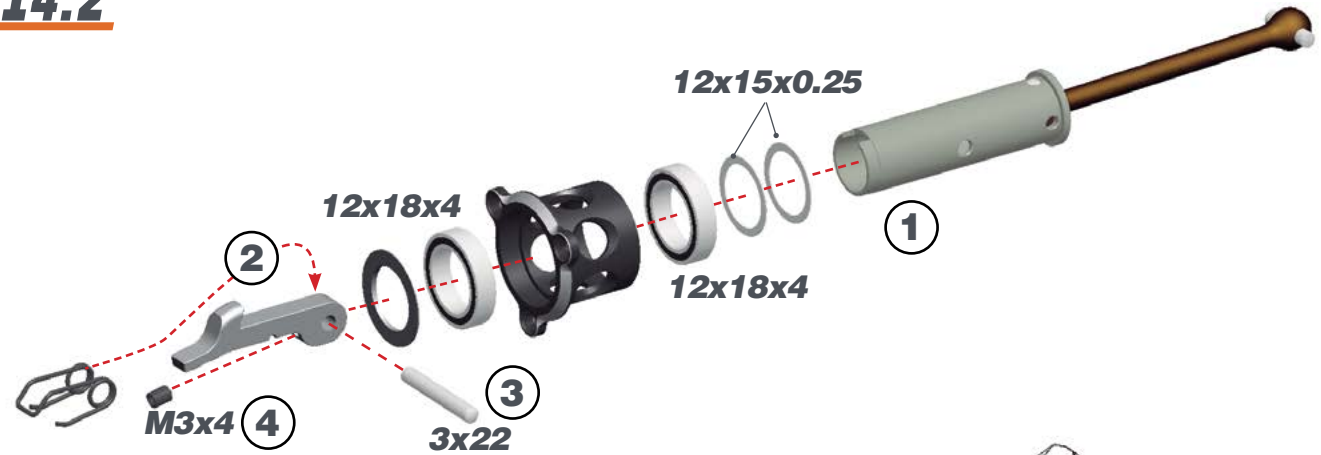
STEP 14

BAG 4

14.1



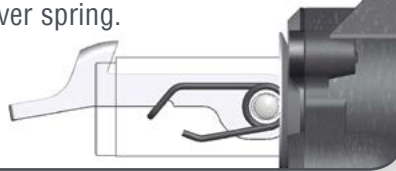
14.2



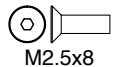
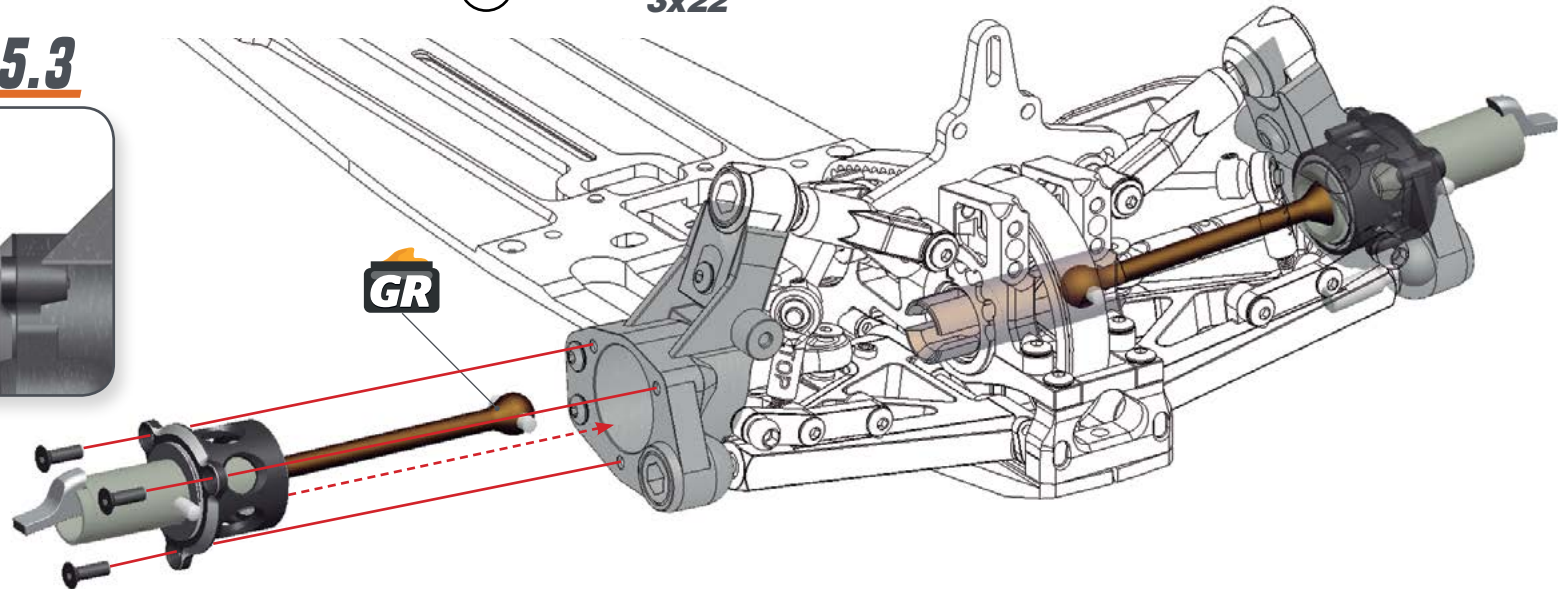
15.3



1- Note orientation of the outside wheel axle shim.
2- Note position of the lever spring.



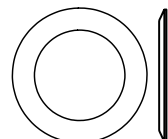
M2.5x8



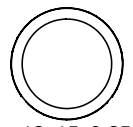
M2.5x8



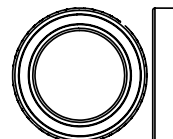
2.5x12



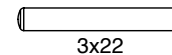
12x18x1 Conical



12x15x0.25



12x18x4



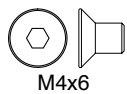
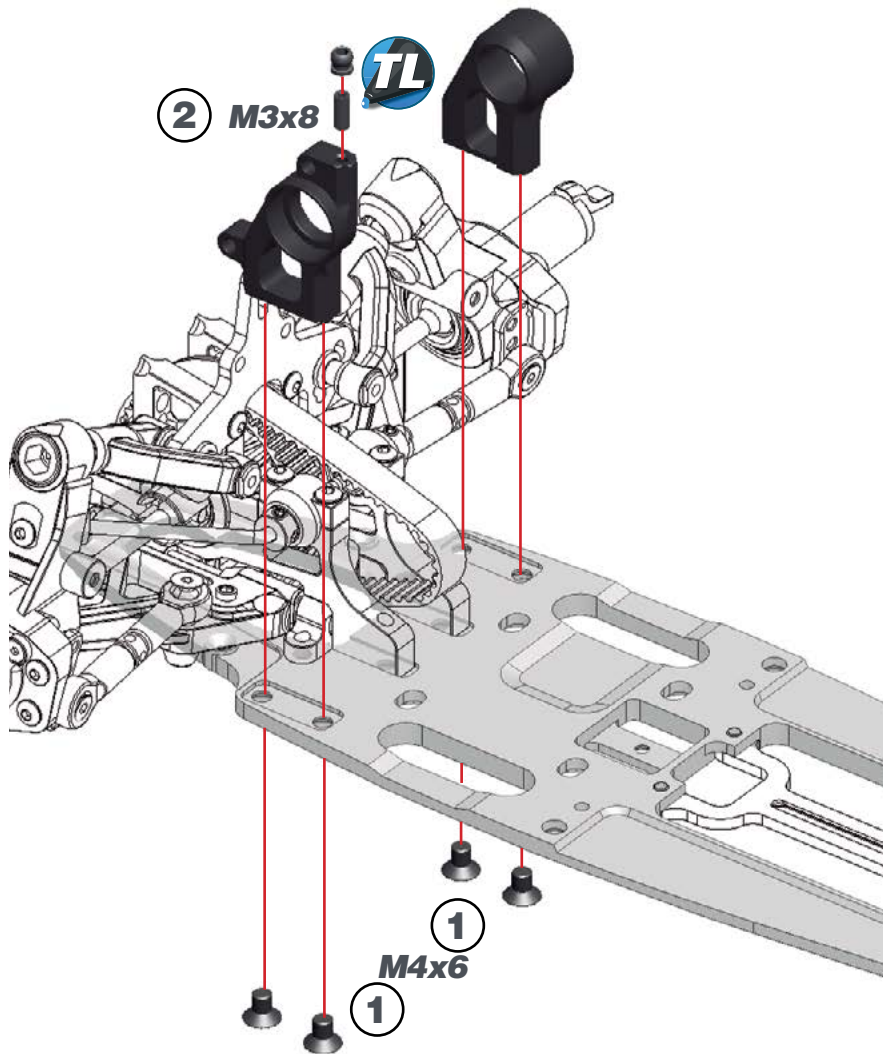
3x22



M3x4

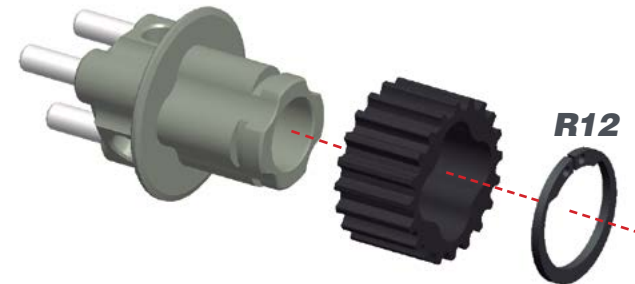
STEP 15

BAG 5

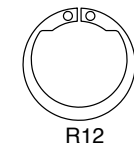
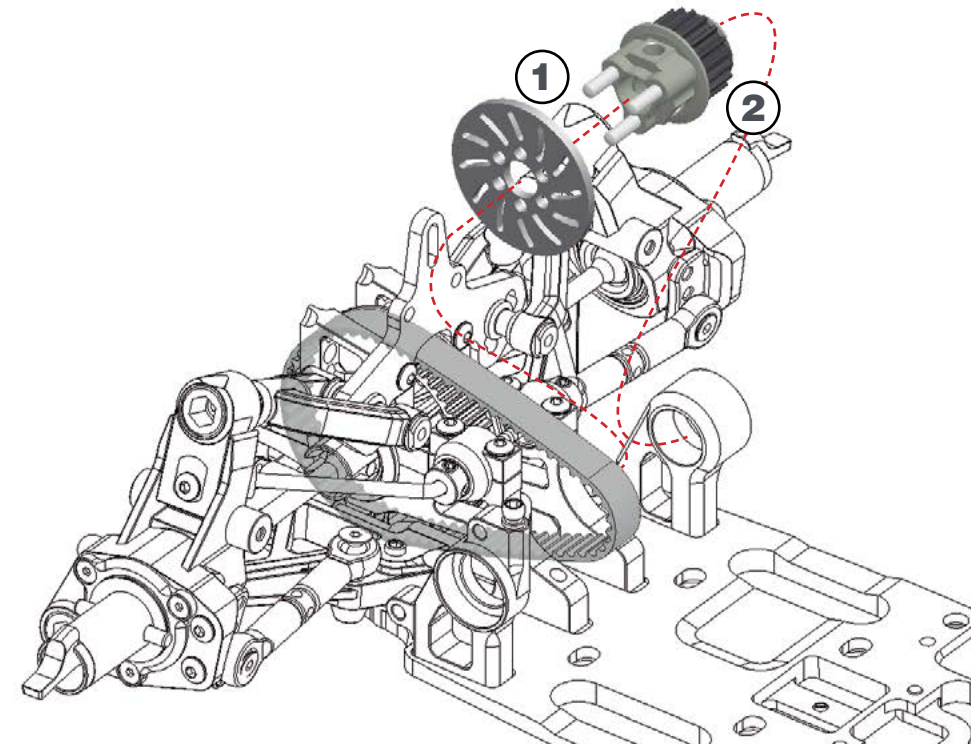


STEP 16

16.1



16.2

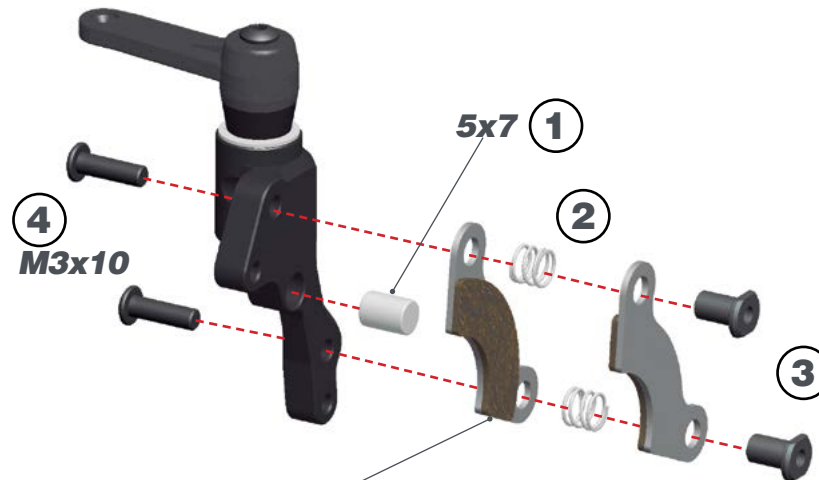


STEP 17

17.1 M3x6

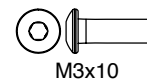
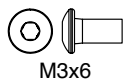
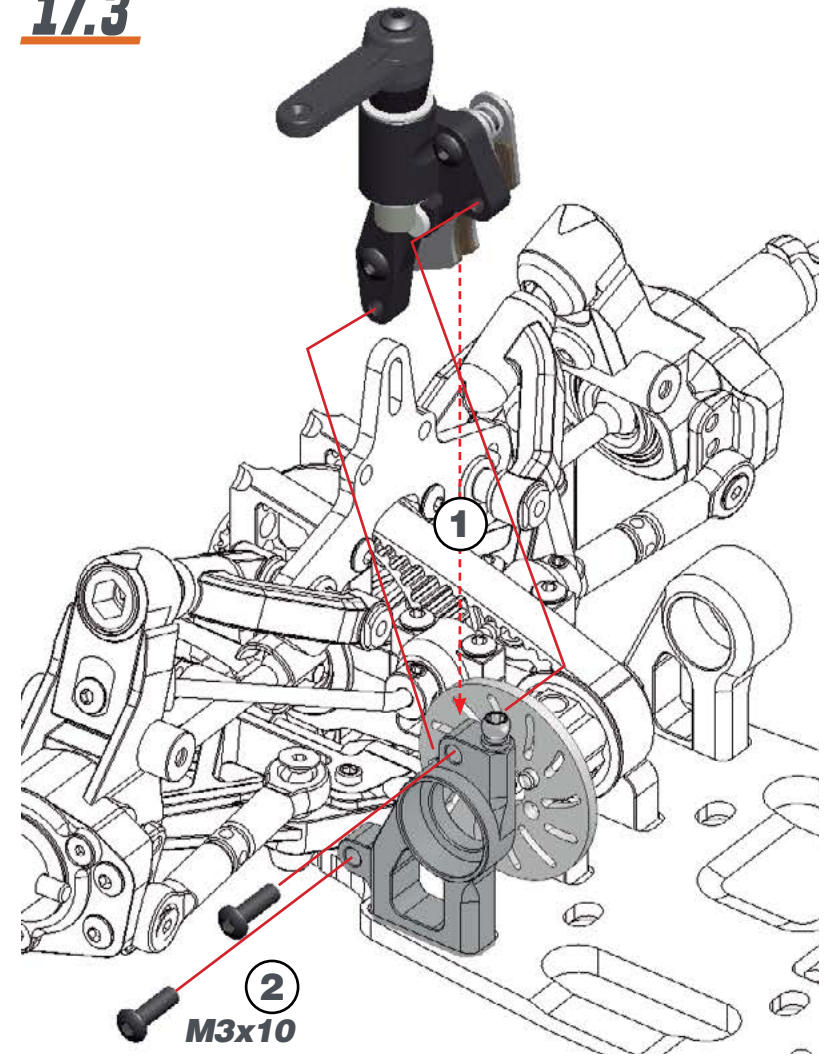


17.2



After tightening the M3x10 screws check that the brake pads slide easy over the bushings.

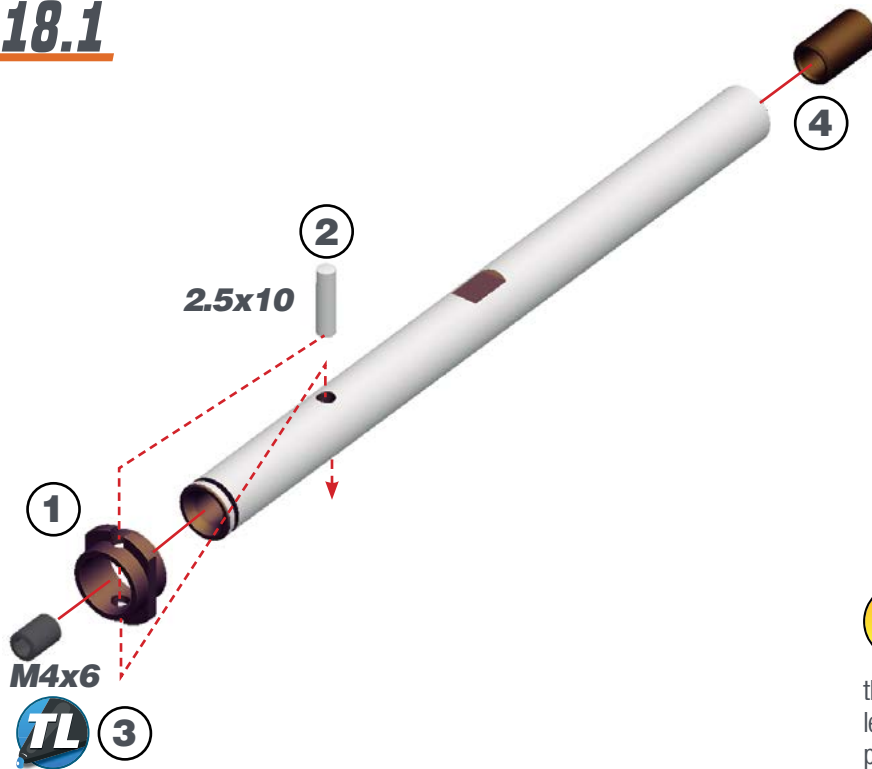
17.3



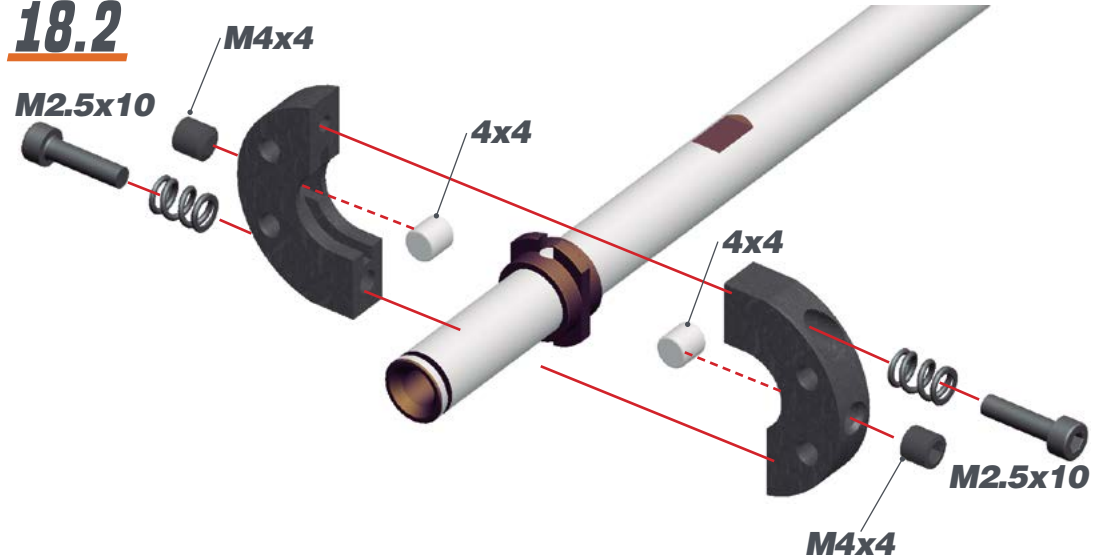
STEP 18

BAG 6

18.1



18.2

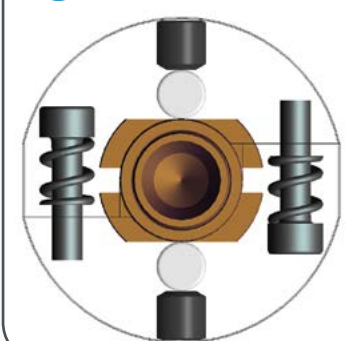


1- The M2.5x10 screws adjust the SHIFT POINT. As default adjustment screw them until the screws will be leveled with the hole as in the right pictures.

2- Adjust the M4x4 screw to minimise the gap between the shoes and the bell, but still spinning free without touching. Check after each run.



Note the correct gearbox assembly

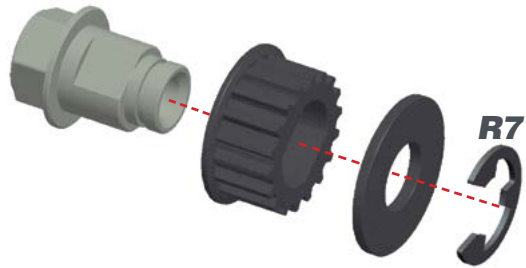


Note the correct default M2.5x10 screws adjusting point.

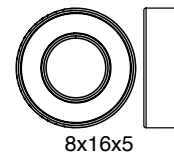
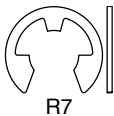
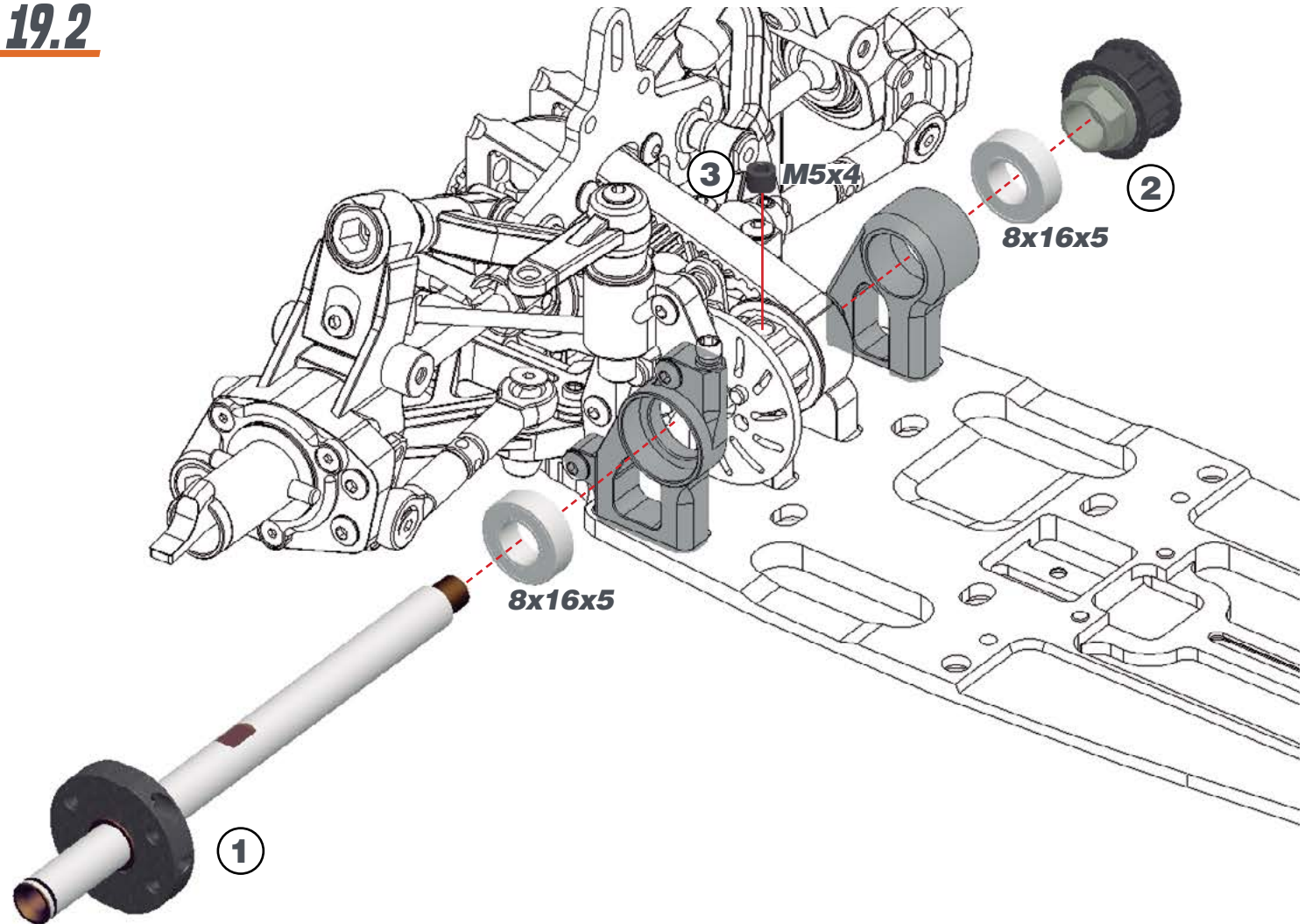


STEP 19

19.1

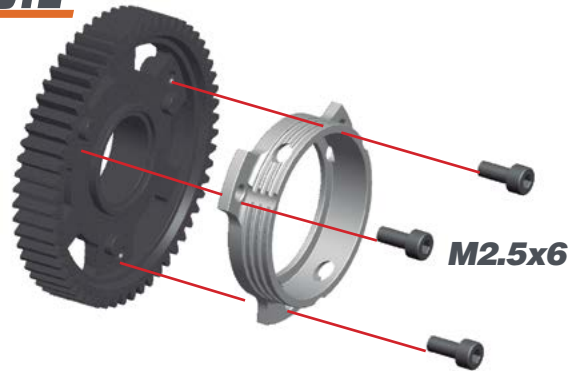


19.2

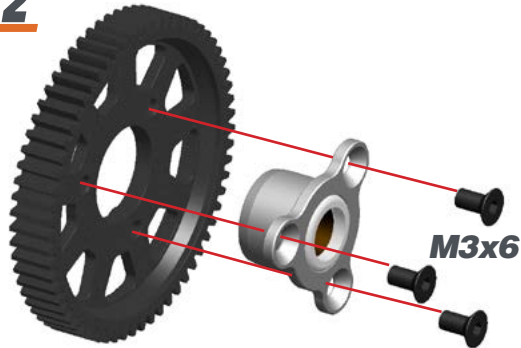


STEP 20

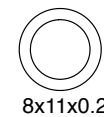
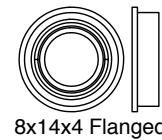
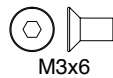
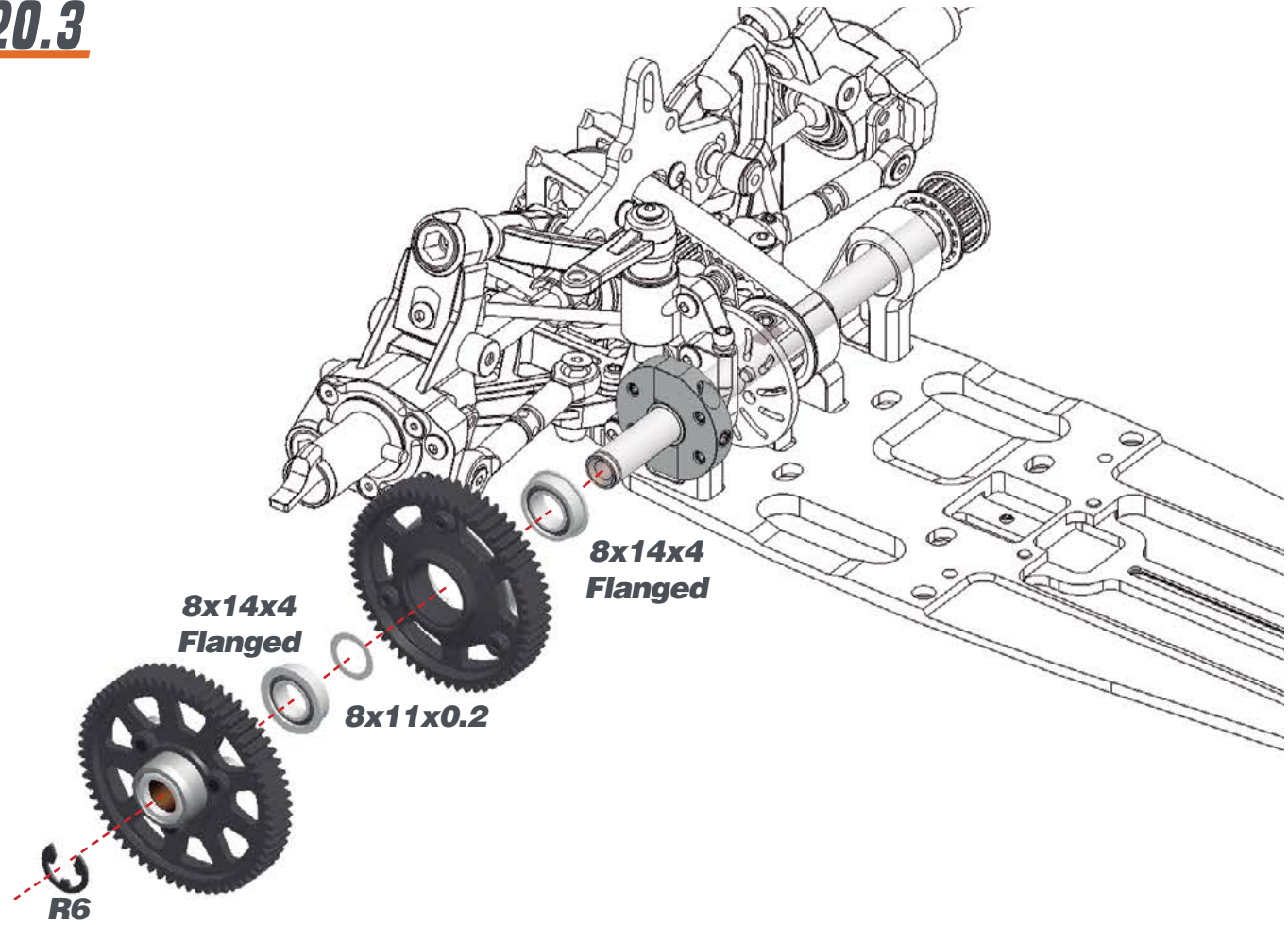
20.1



20.2

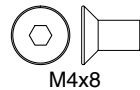
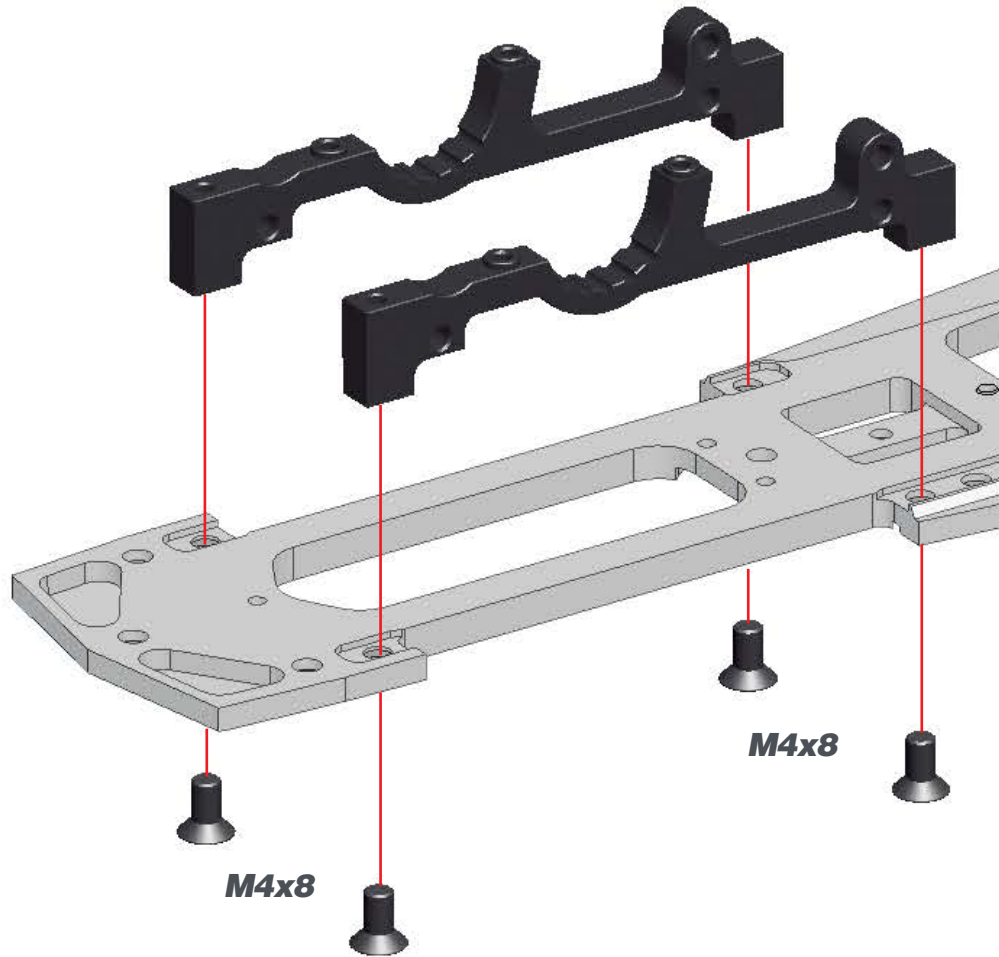


20.3



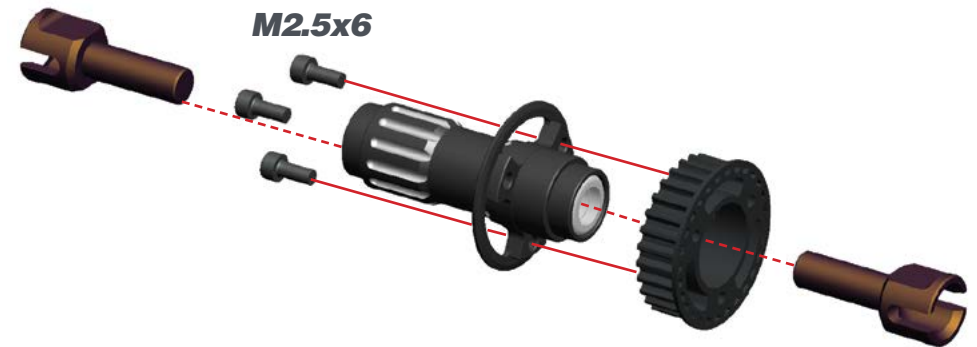
STEP 21

BAG 7

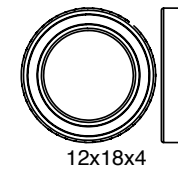
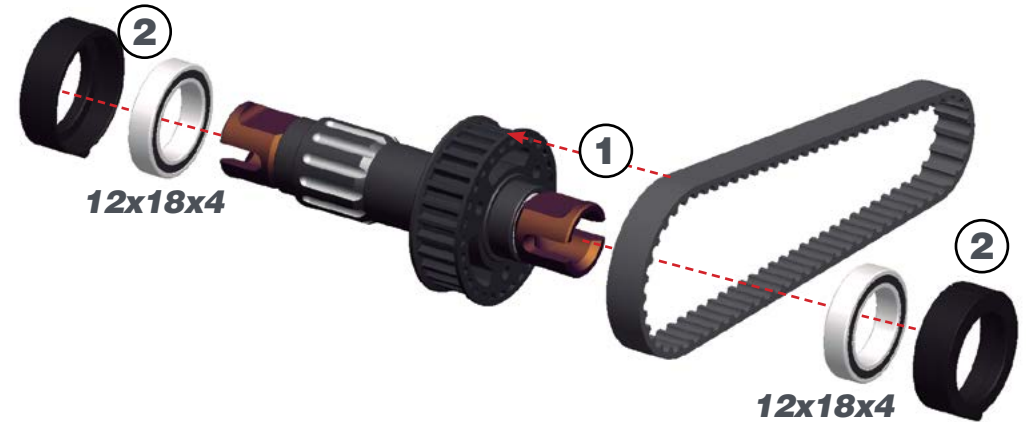


STEP 22

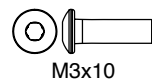
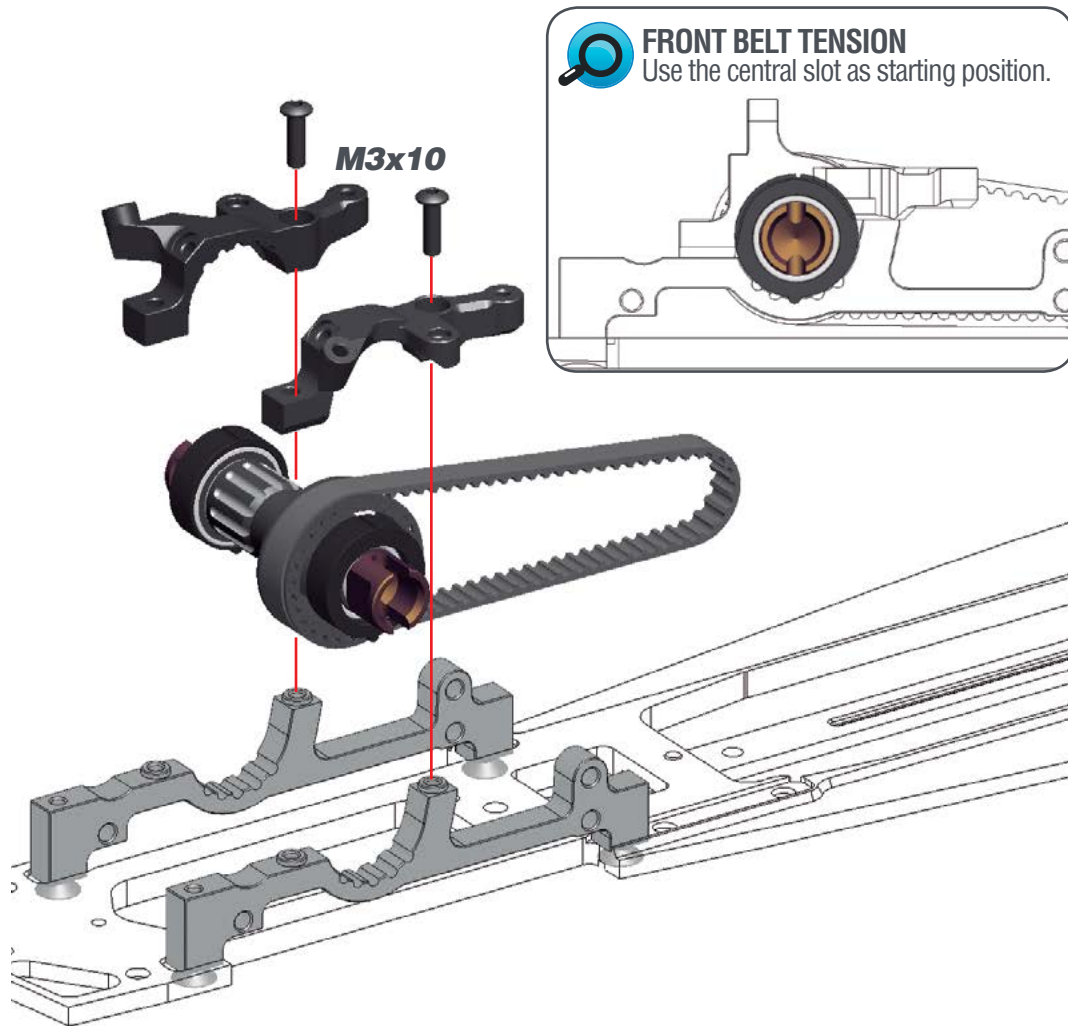
22.1



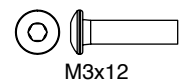
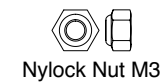
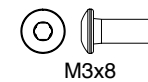
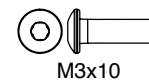
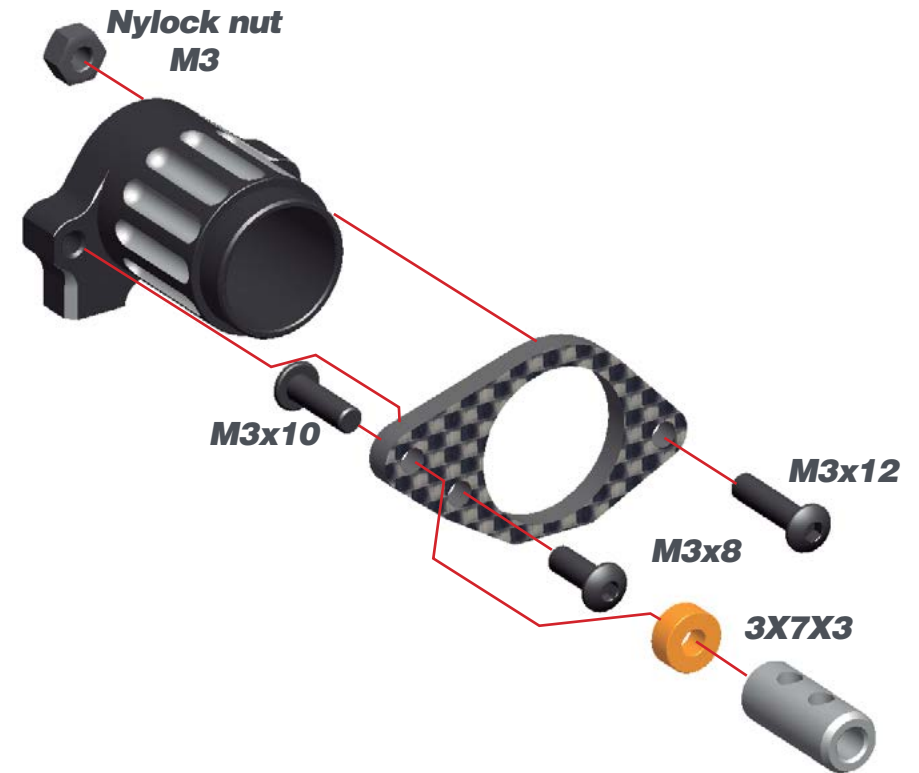
22.2



STEP 23

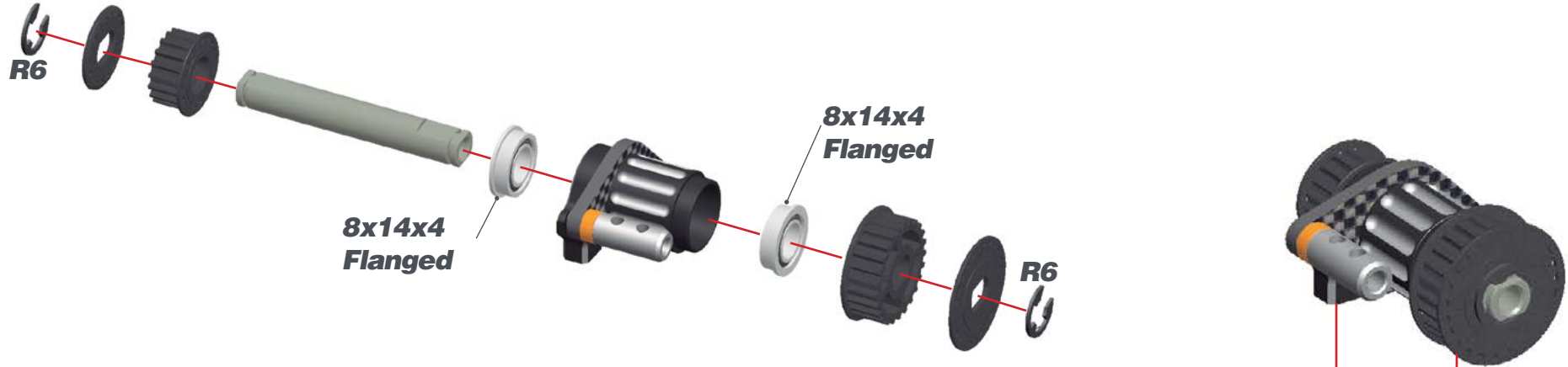


STEP 24

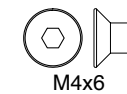
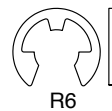
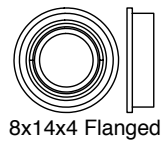
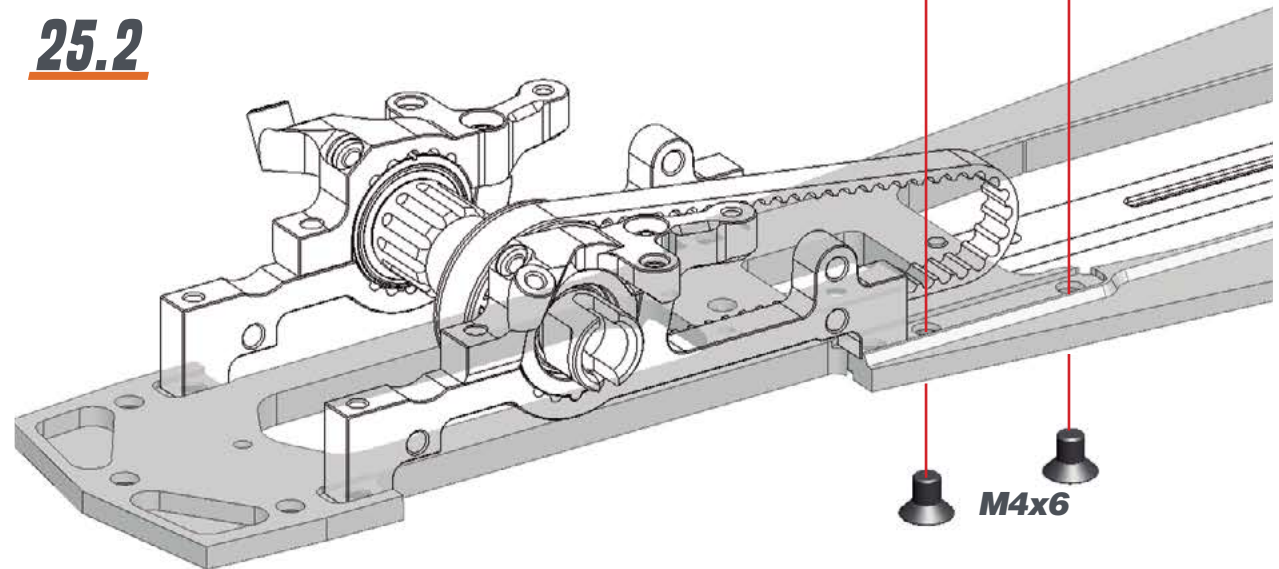


STEP 25

25.1



25.2



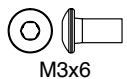
STEP 26

BAG 8

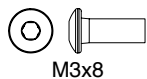
26.1 L=R



26.2

L=R FRONT ANTIROLL
BAR ROD LENGTH

M3x6



M3x8

26.3



L=R

FRONT LOWER SUSPENSION AND SHOCK BRACKETS

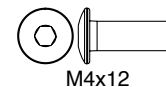
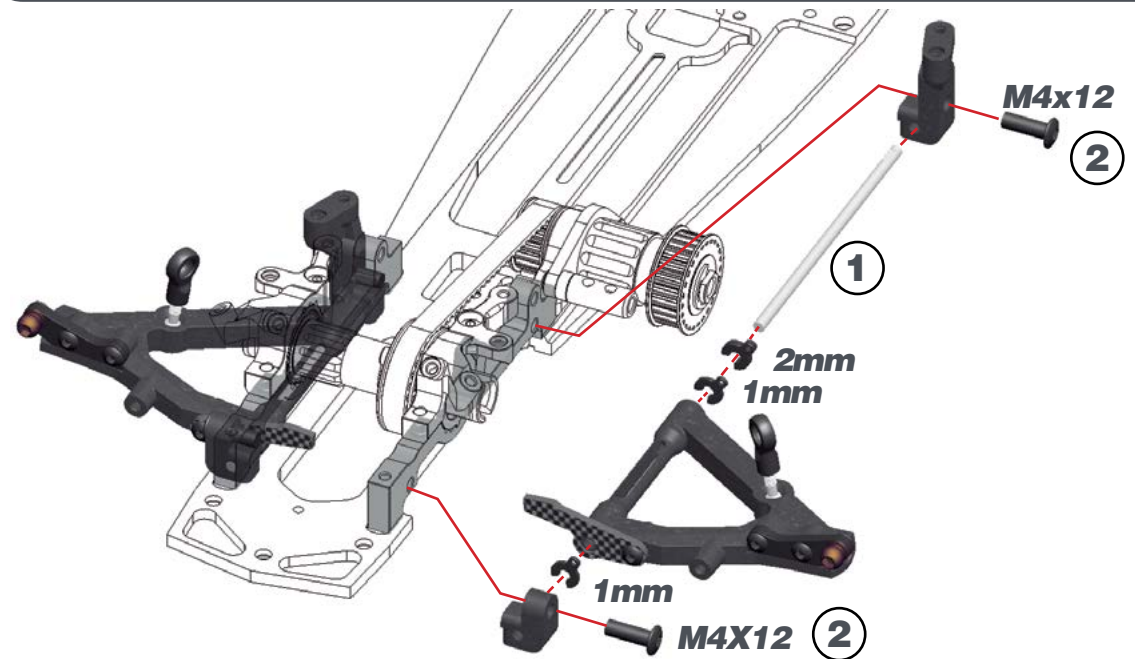
Serpent 990 allows to move front bottom arms 3 mm in (NARROW) and out (WIDE). To maintain the same shock angle, use the suspension bracket and shock bracket as shown here.

NARROW



WIDE

OPT



M4x12

STEP 27

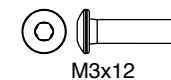
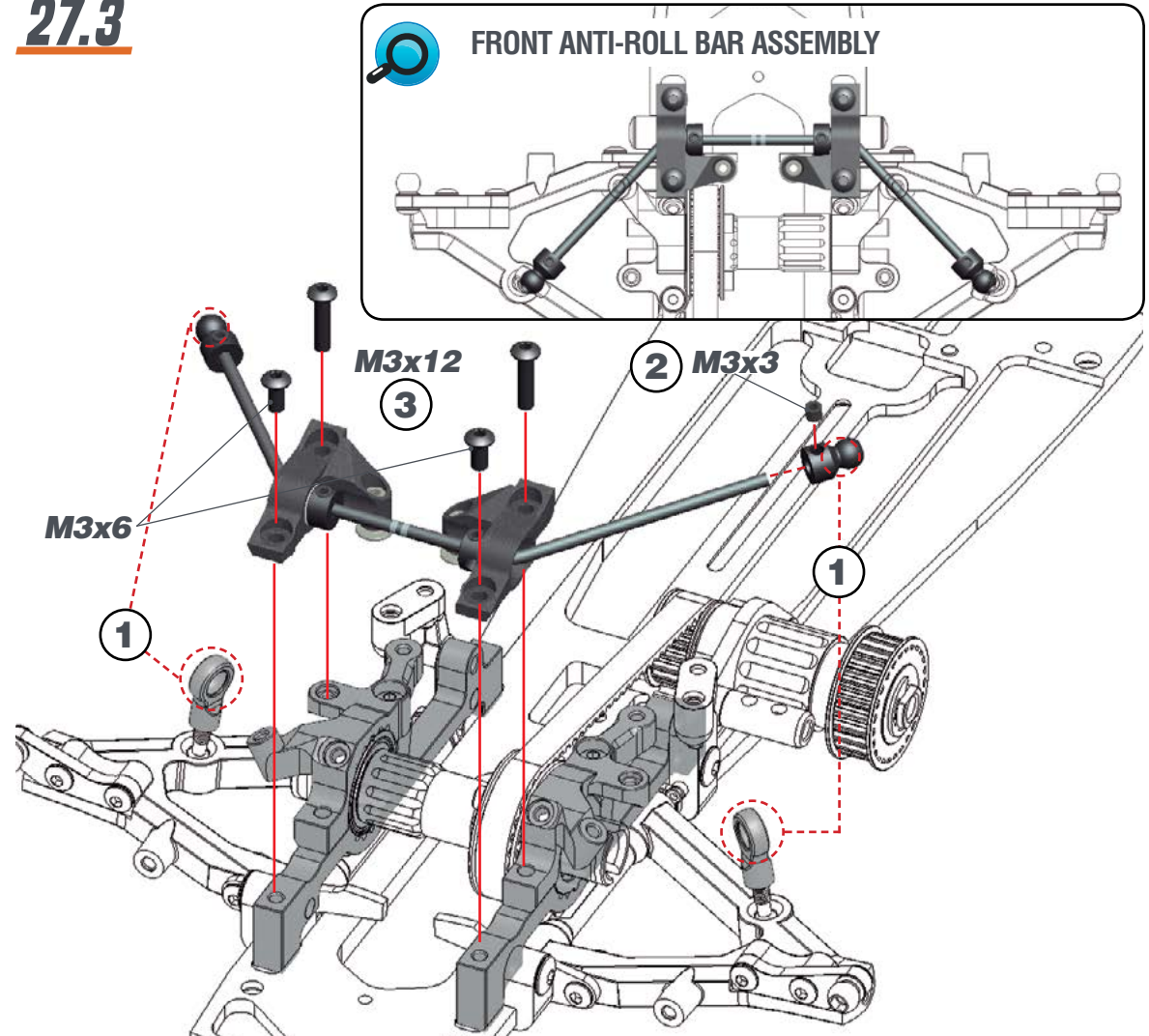
27.1



27.2

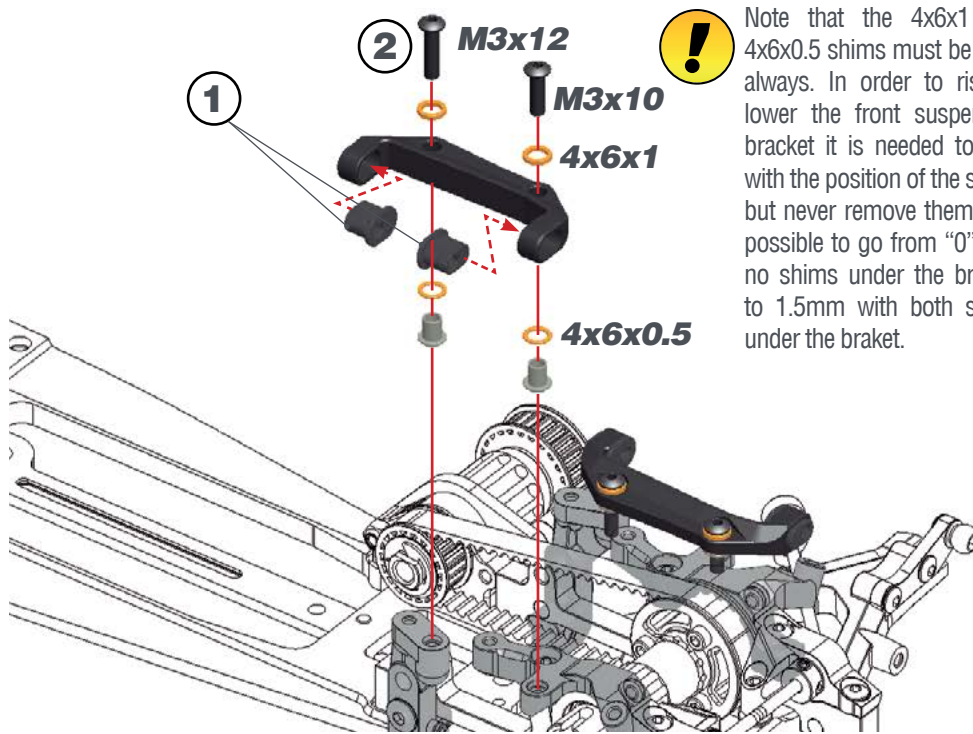


27.3

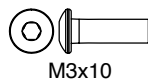
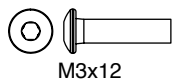
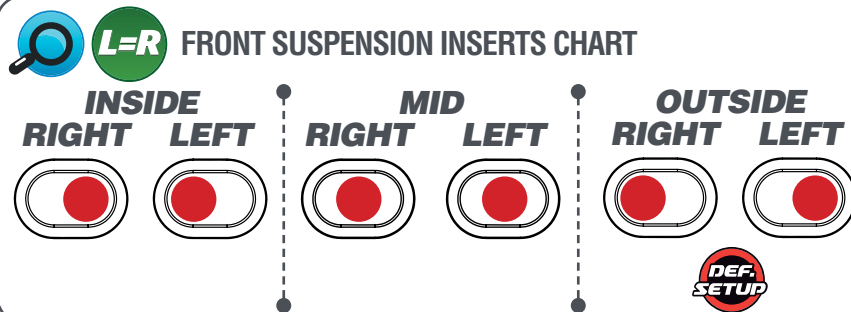


STEP 28

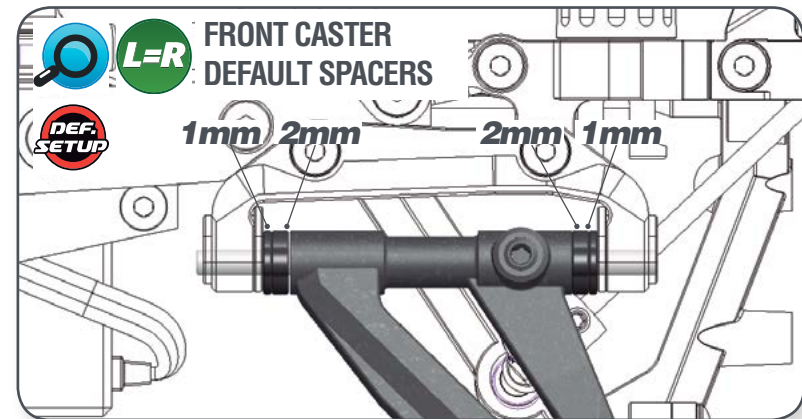
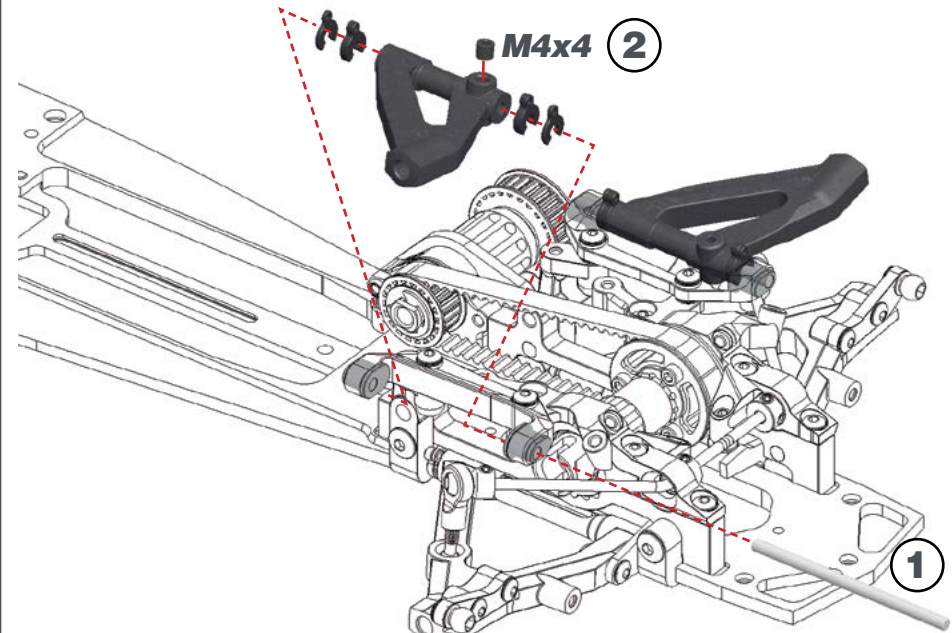
BAG 9



! Note that the 4x6x1 and 4x6x0.5 shims must be used always. In order to rise or lower the front suspension bracket it is needed to play with the position of the shims but never remove them. Is it possible to go from "0" with no shims under the bracket to 1.5mm with both shims under the bracket.

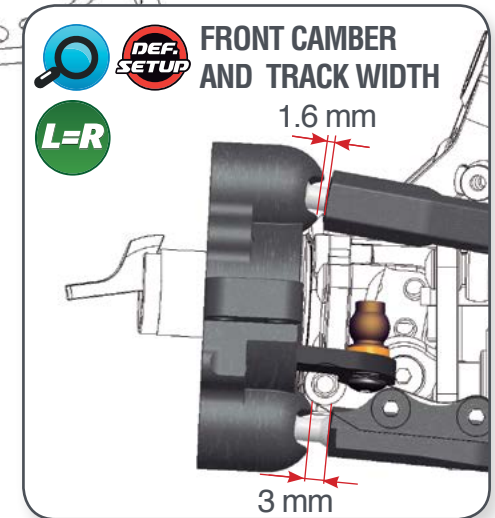
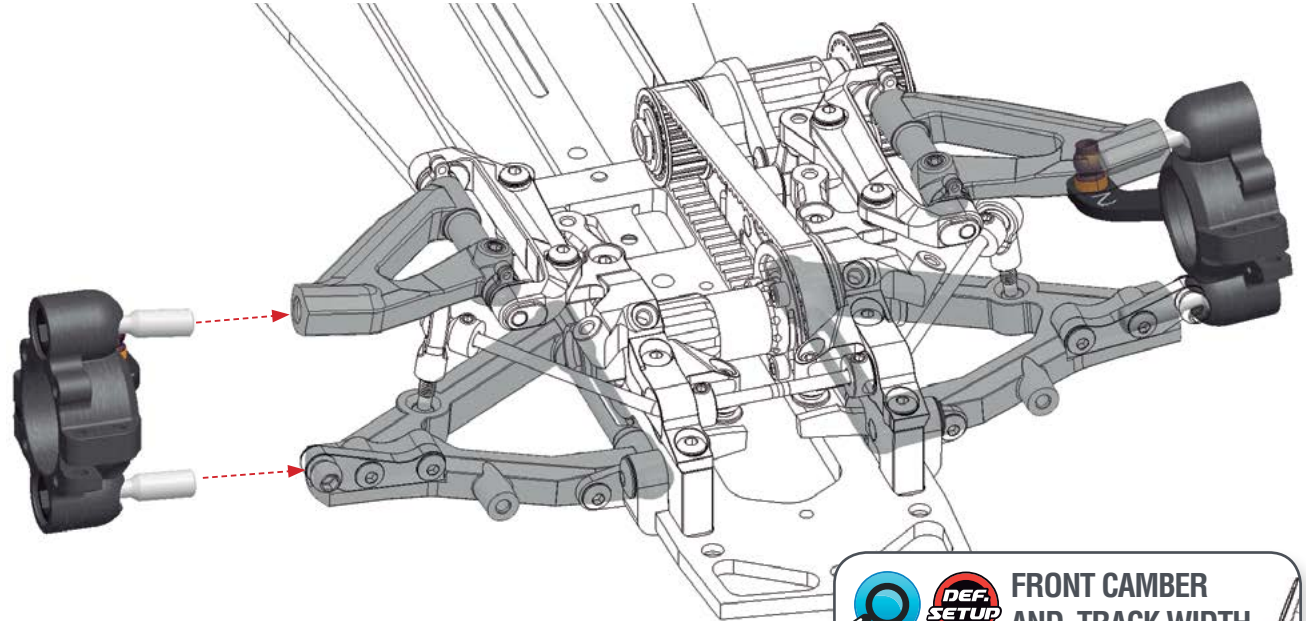
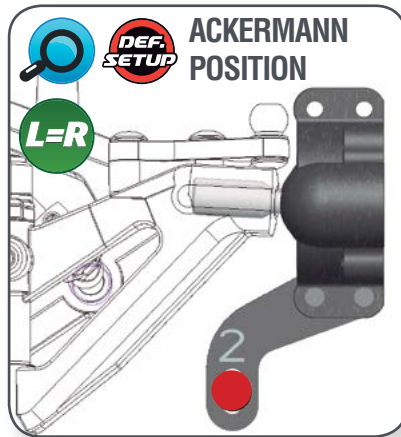
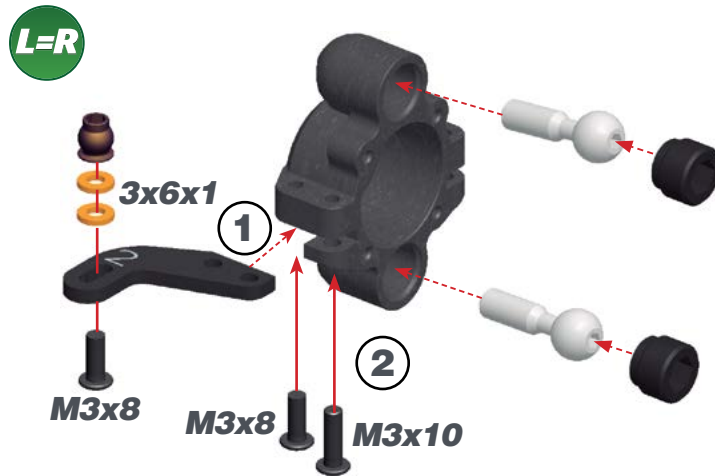


STEP 29



STEP 30

STEP 31

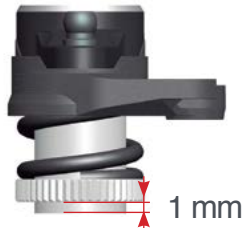


STEP 32

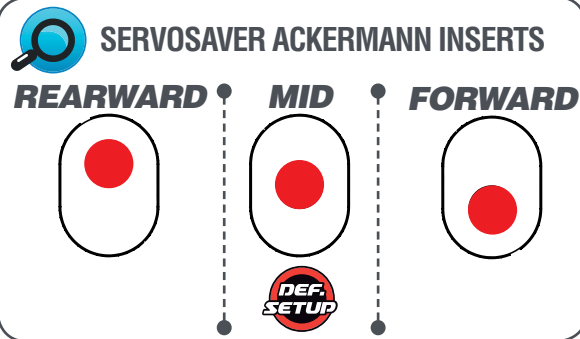
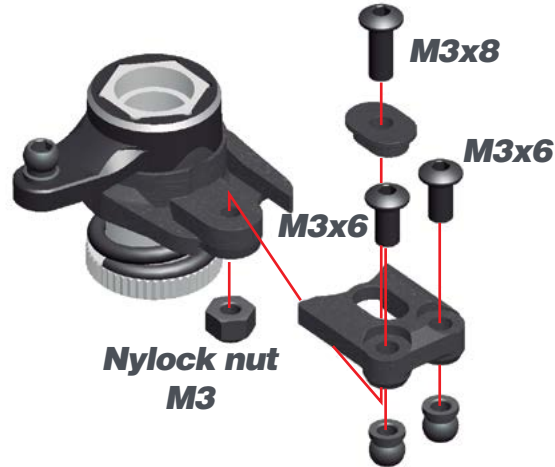
32.1



Preload the servo-saver-spring 1mm.

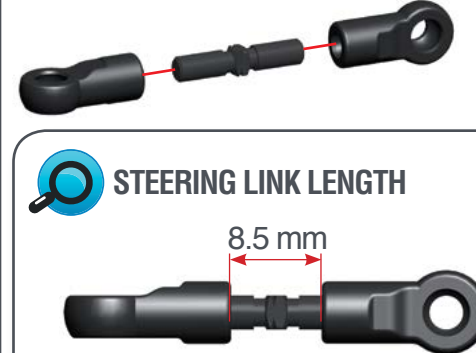


32.2

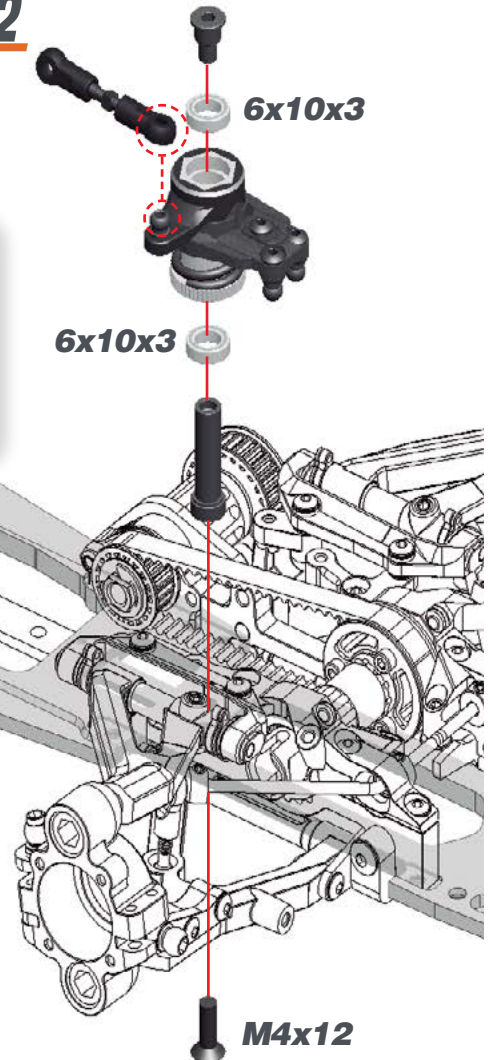


STEP 33

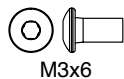
33.1



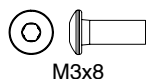
33.2



M3x5



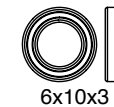
M3x6



M3x8



Nylock Nut M3



6x10x3



M4x12

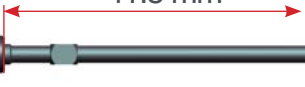
STEP 34

34.1

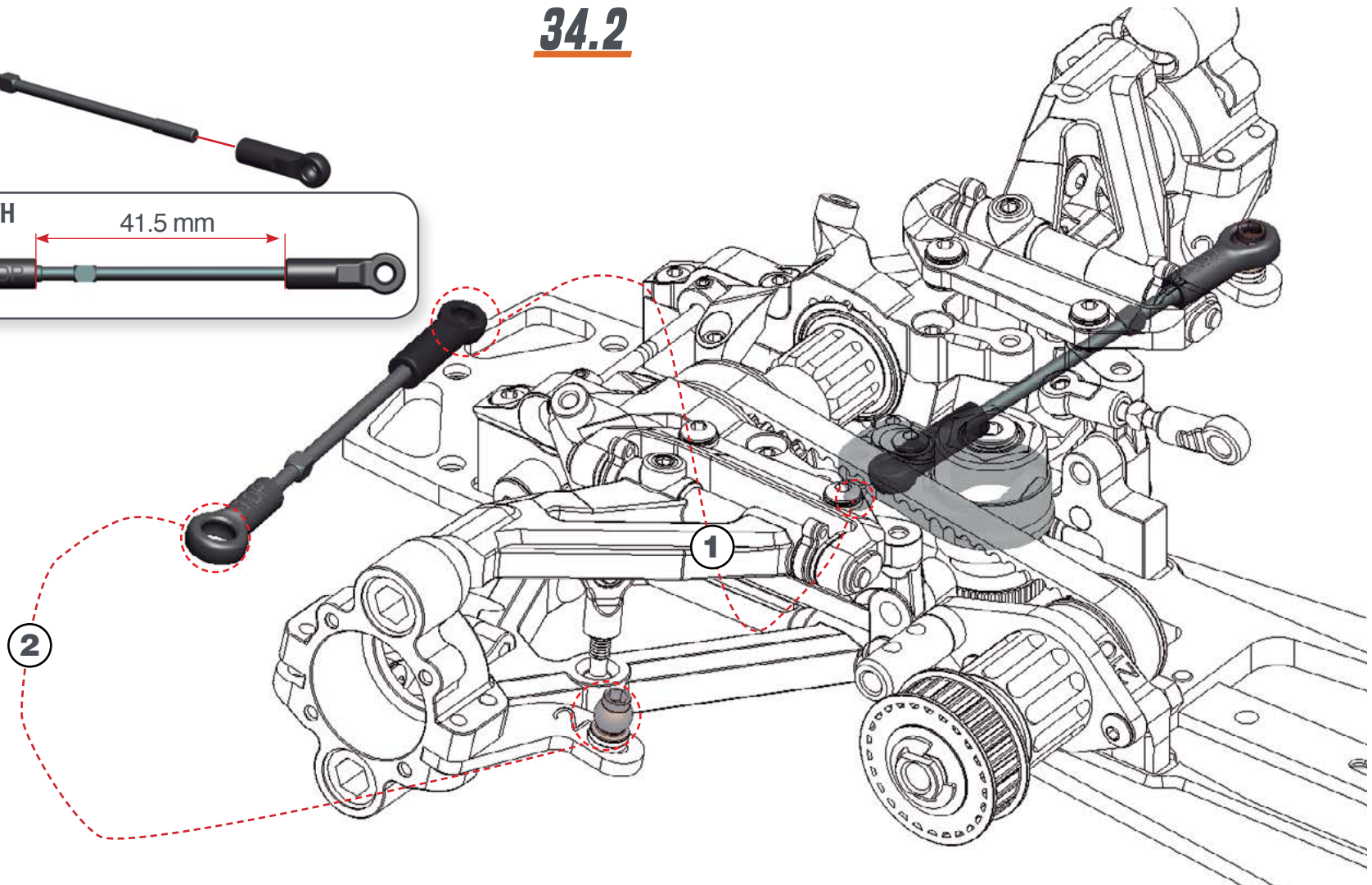


STEERING TRACKROD LENGTH

41.5 mm



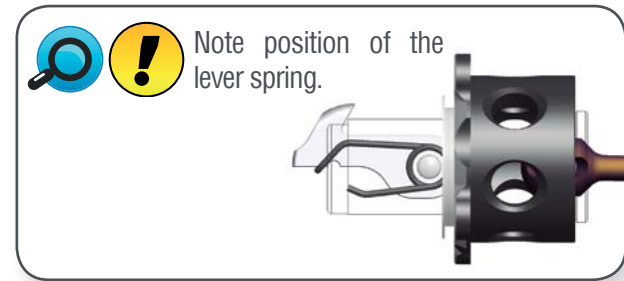
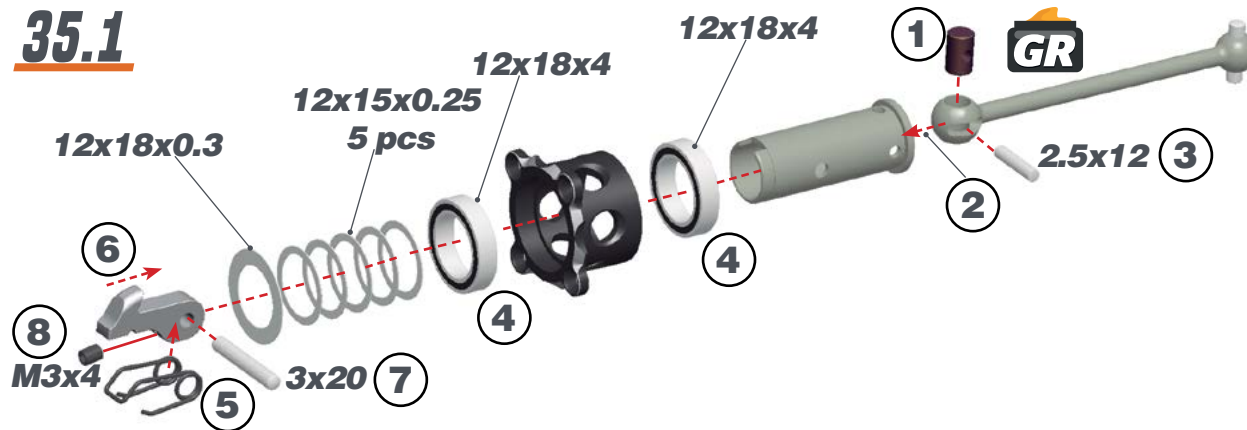
34.2



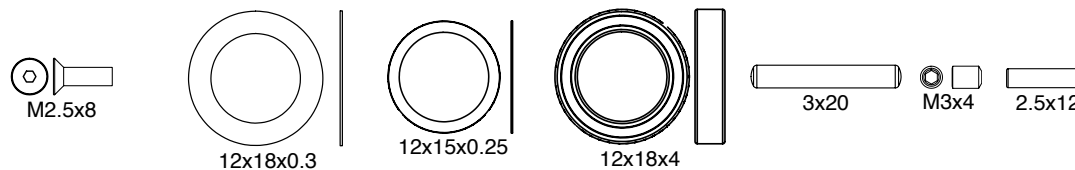
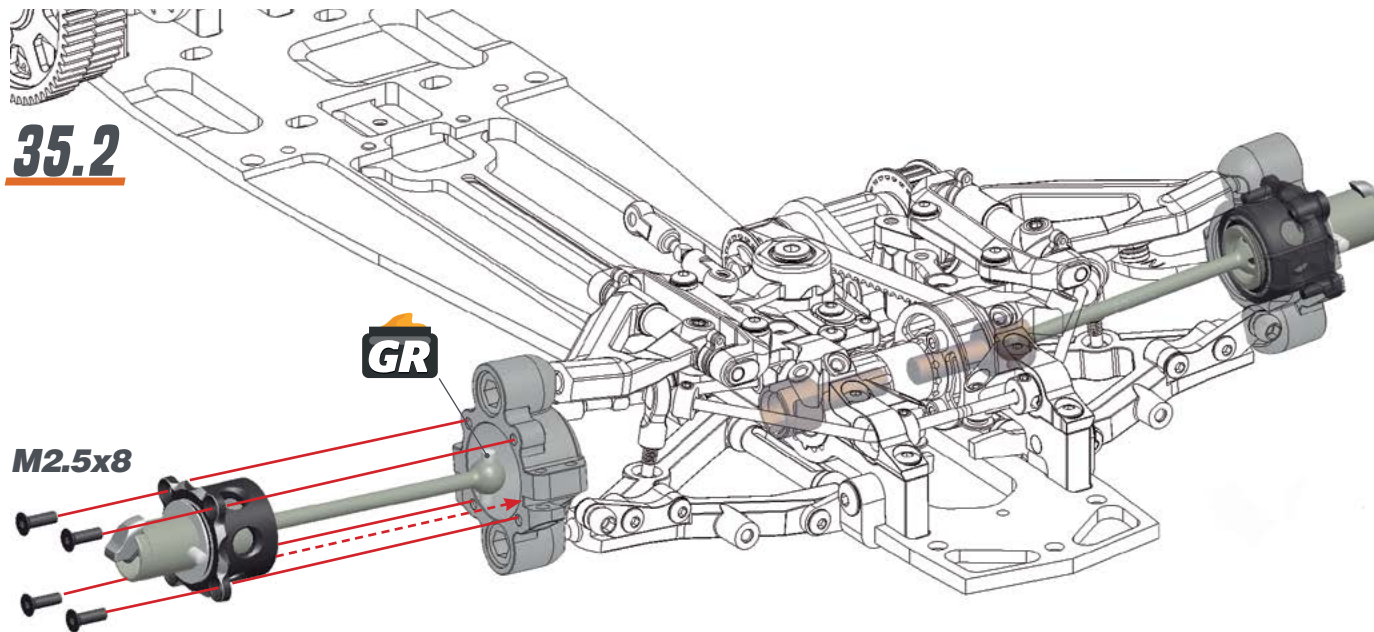
STEP 35

BAG 10

35.1

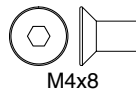
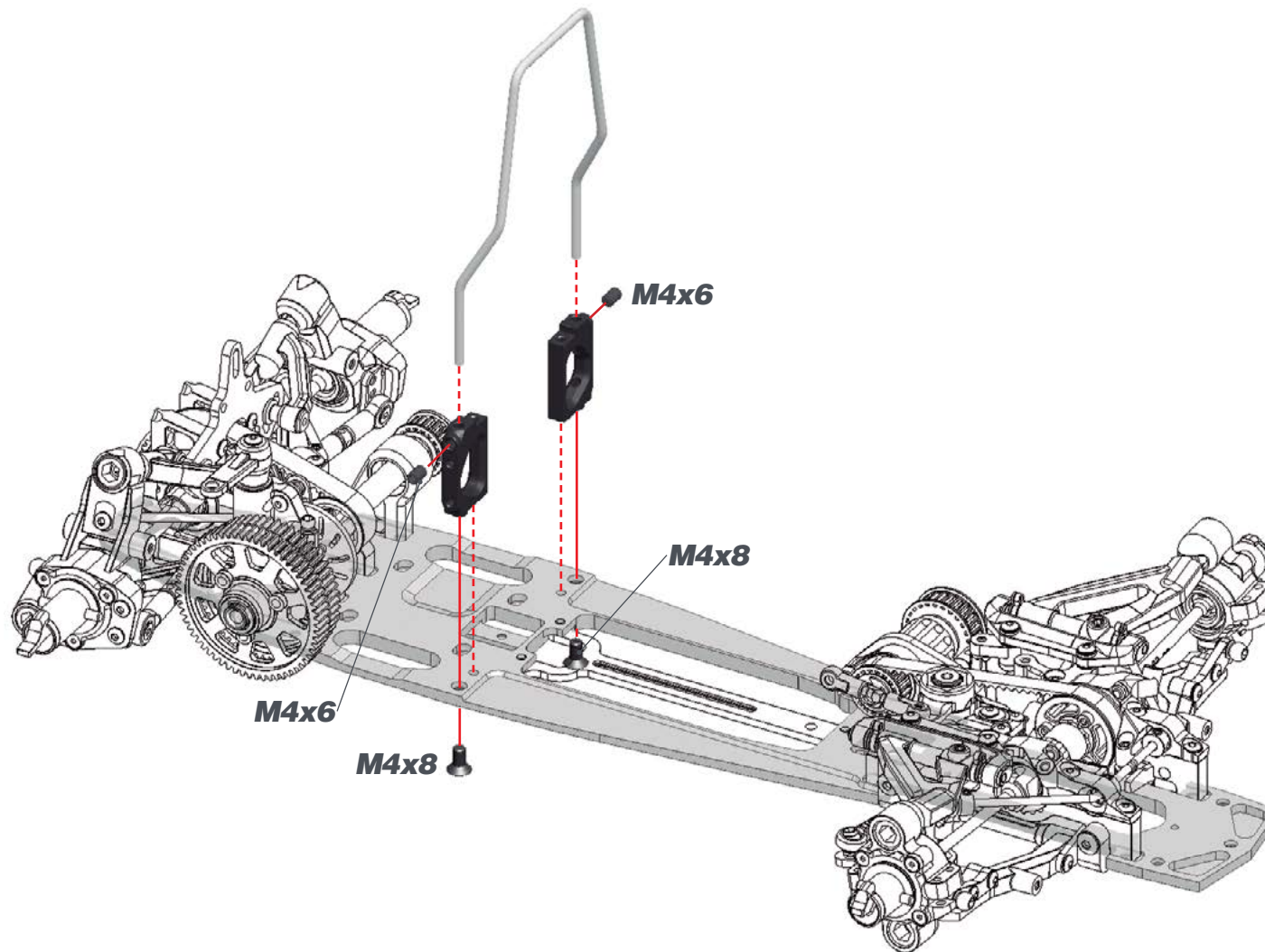


35.2

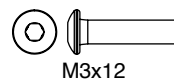
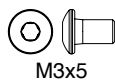
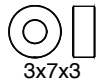
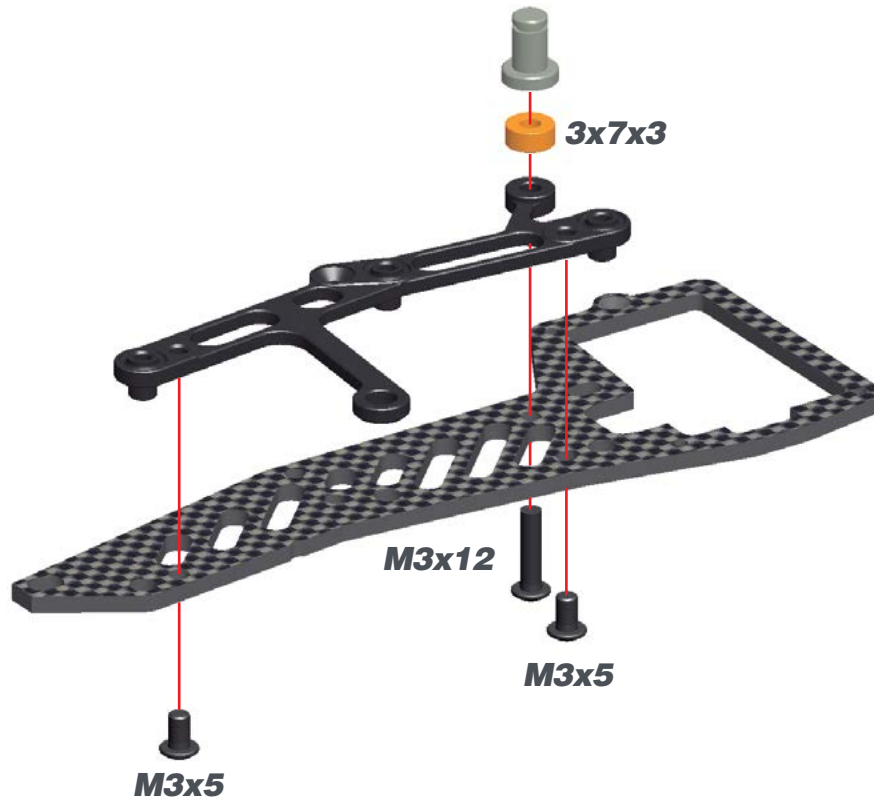


STEP 36

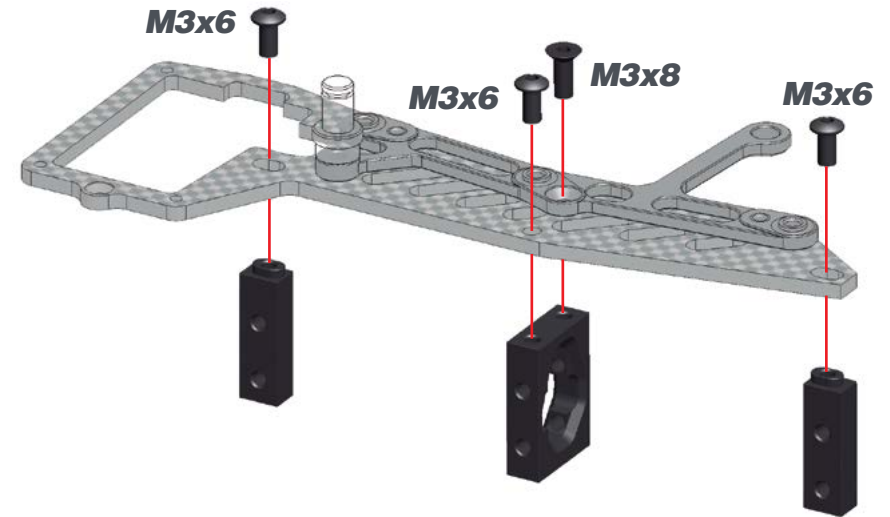
BAG 11



STEP 37

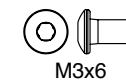
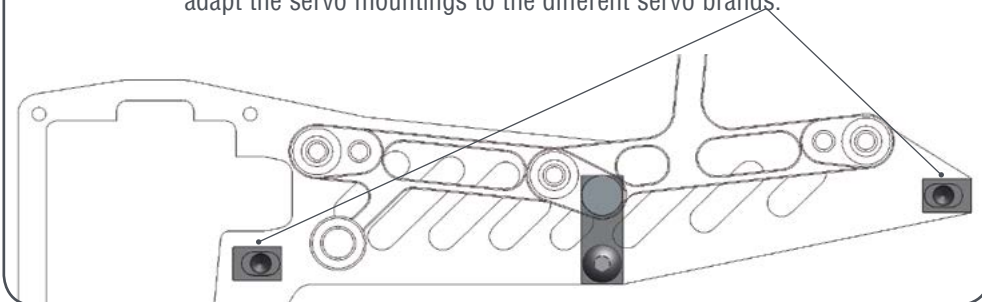


STEP 38

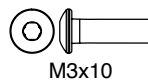
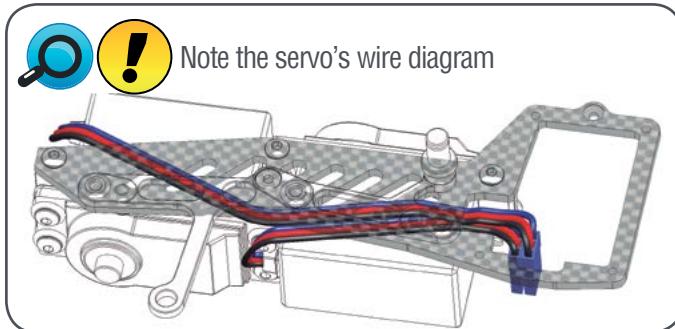
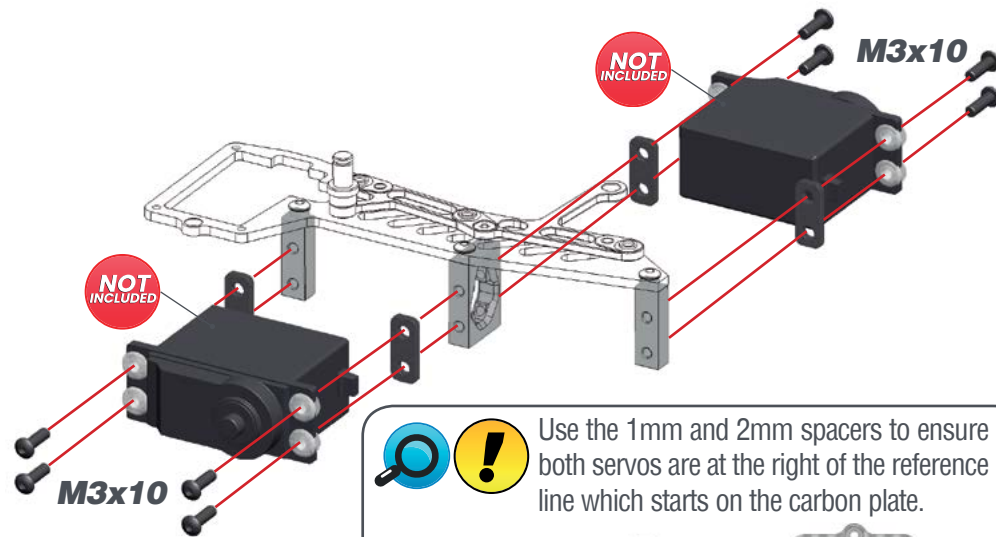


RADIO BOX ASSEMBLY

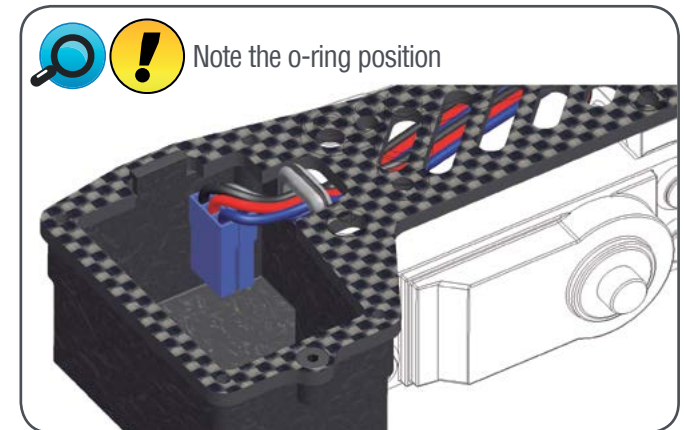
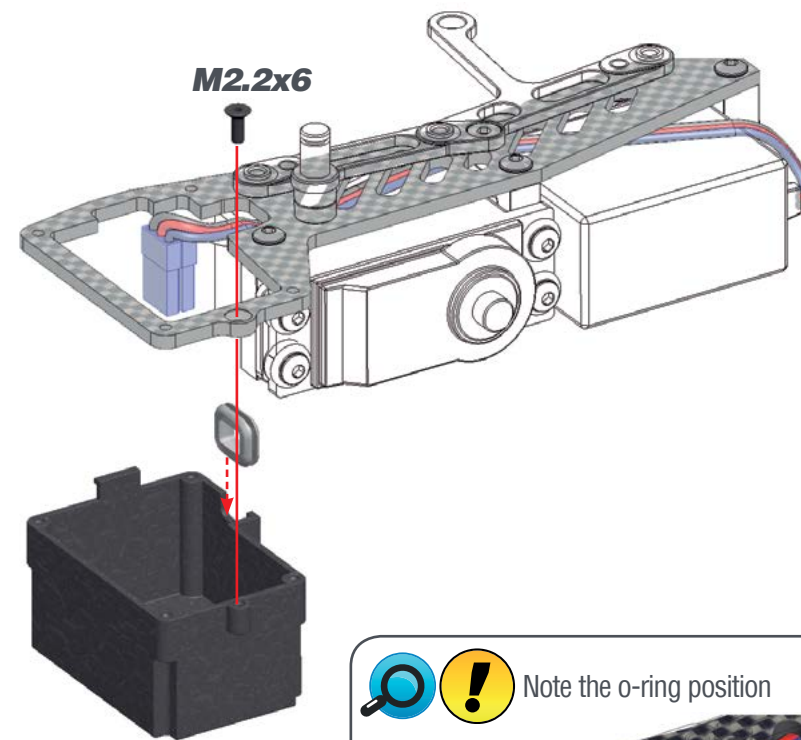
The small servo mountings have a fixing protrusion which is excentric. Therefore it is possible to assemble them in two different ways in order to adapt the servo mountings to the different servo brands.



STEP 39



STEP 40



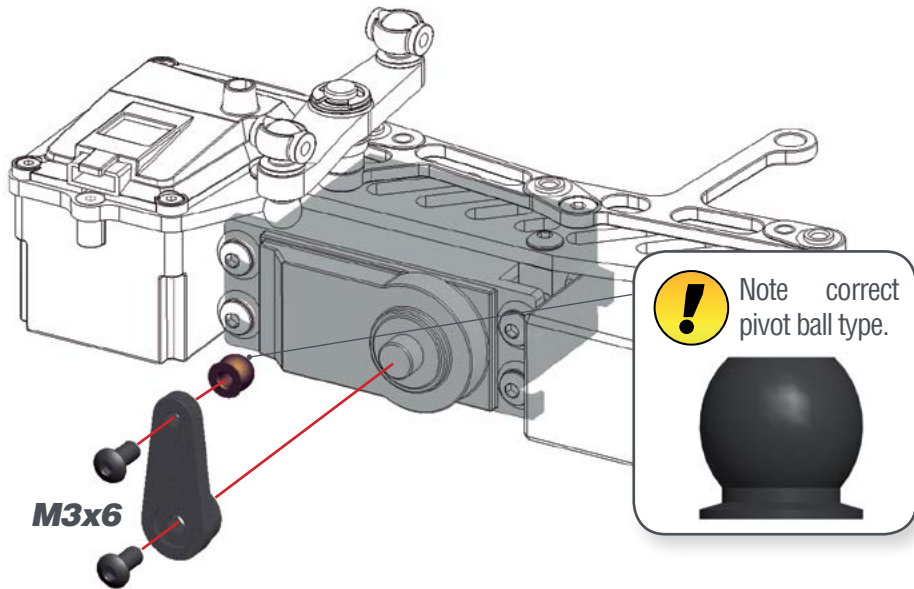
STEP 42

42.1

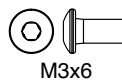
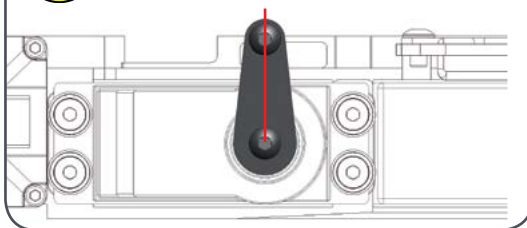


STEP 43

! Check how many teeth your servo spline has (23, 24 or 25) and use the right lever.

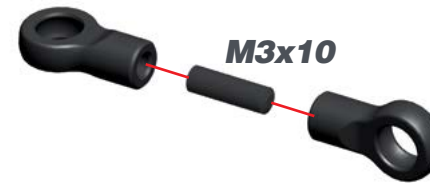


! Note orientation of the throttle servo lever.



STEP 44

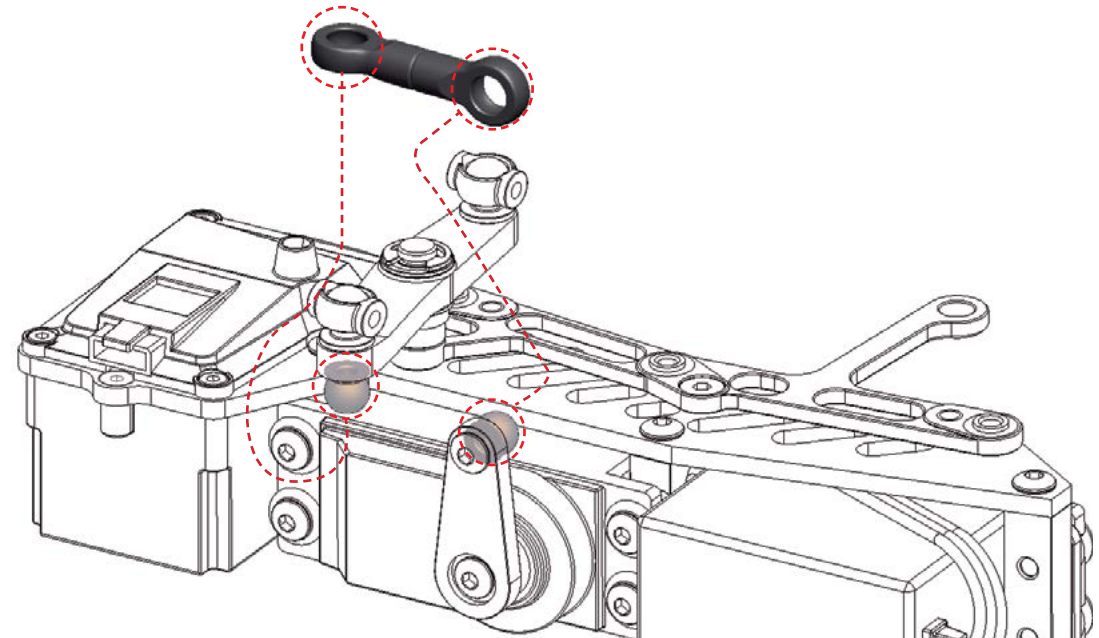
44.1



THROTTLE LINK LENGTH



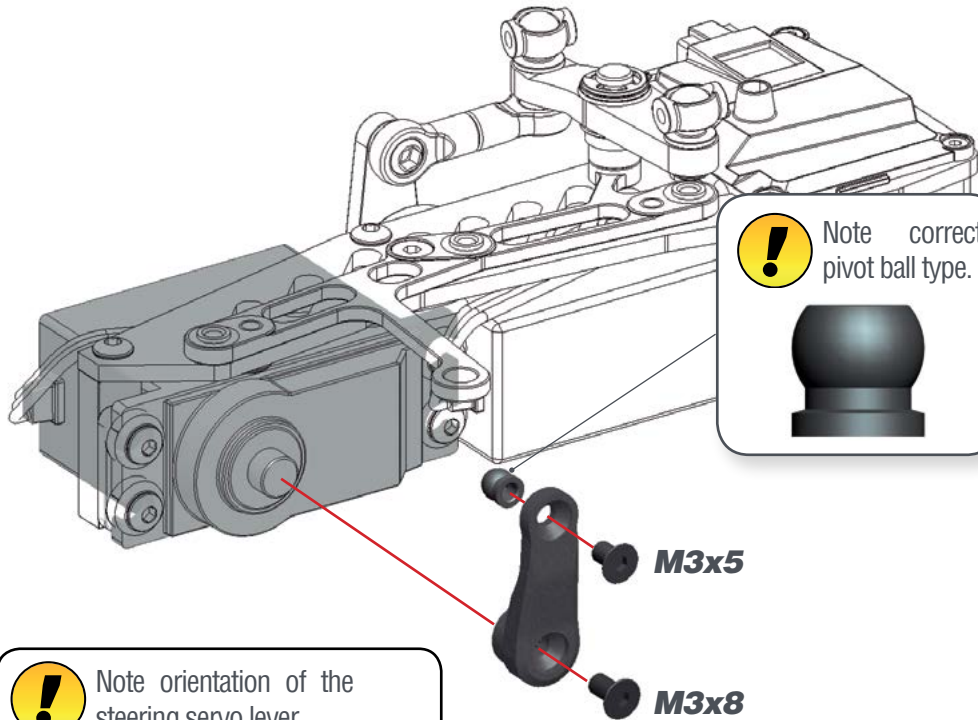
44.2



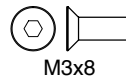
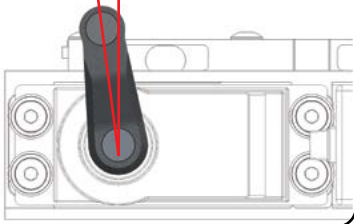
STEP 45



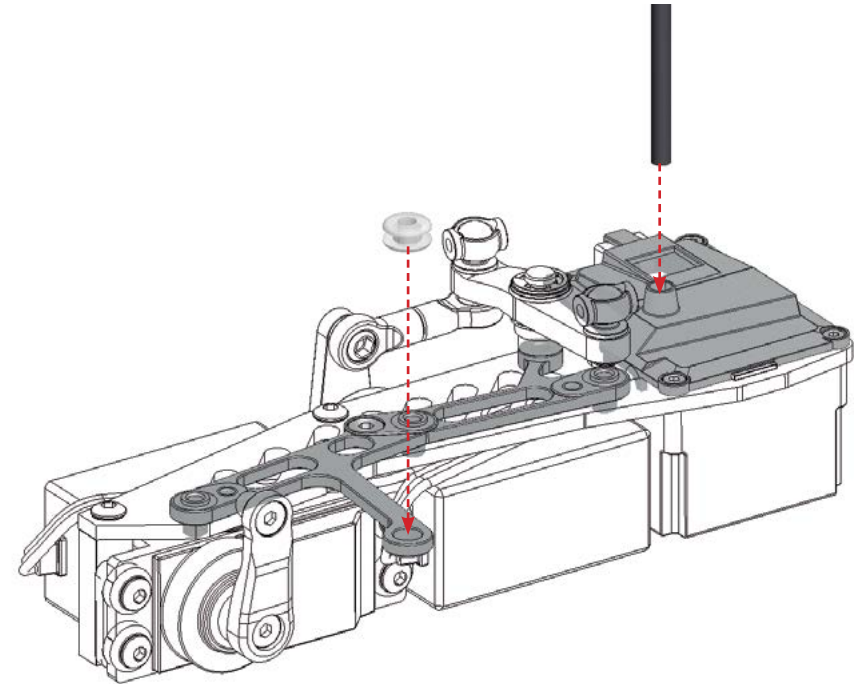
Check how many teeth your servo spline has (23, 24 or 25) and use the right lever.



Note orientation of the steering servo lever.



STEP 46



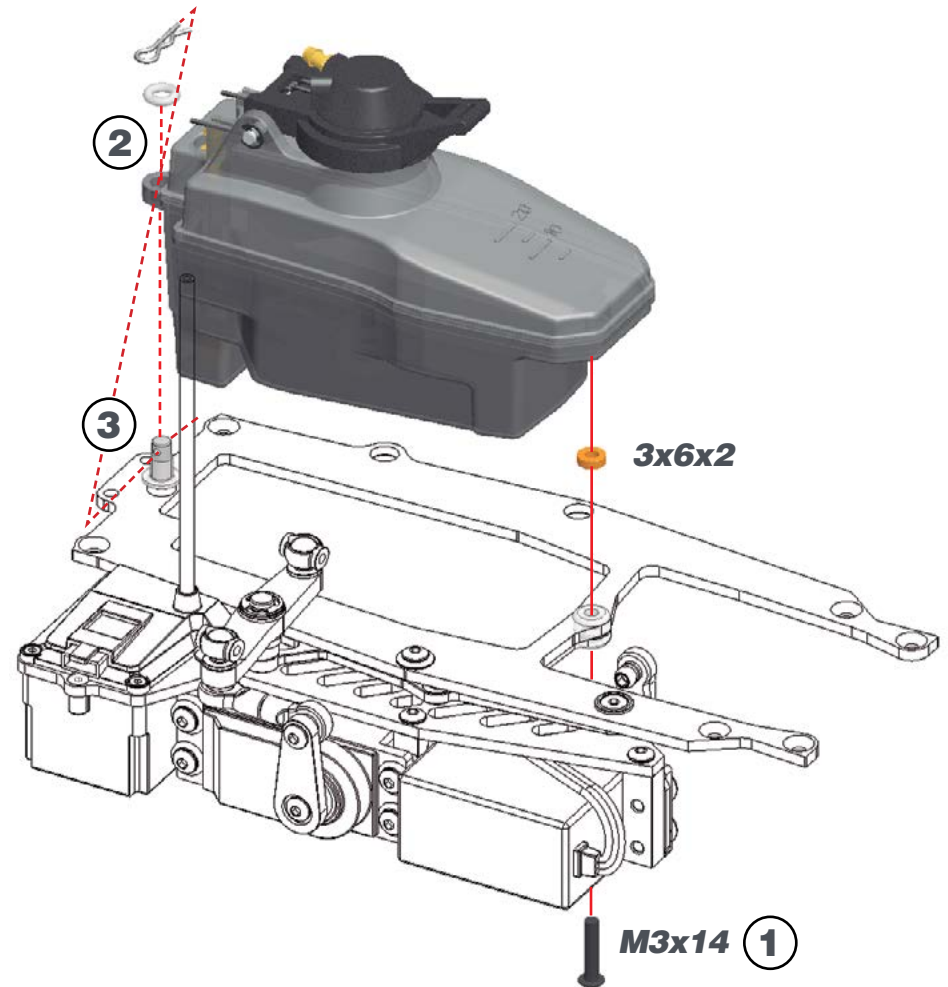
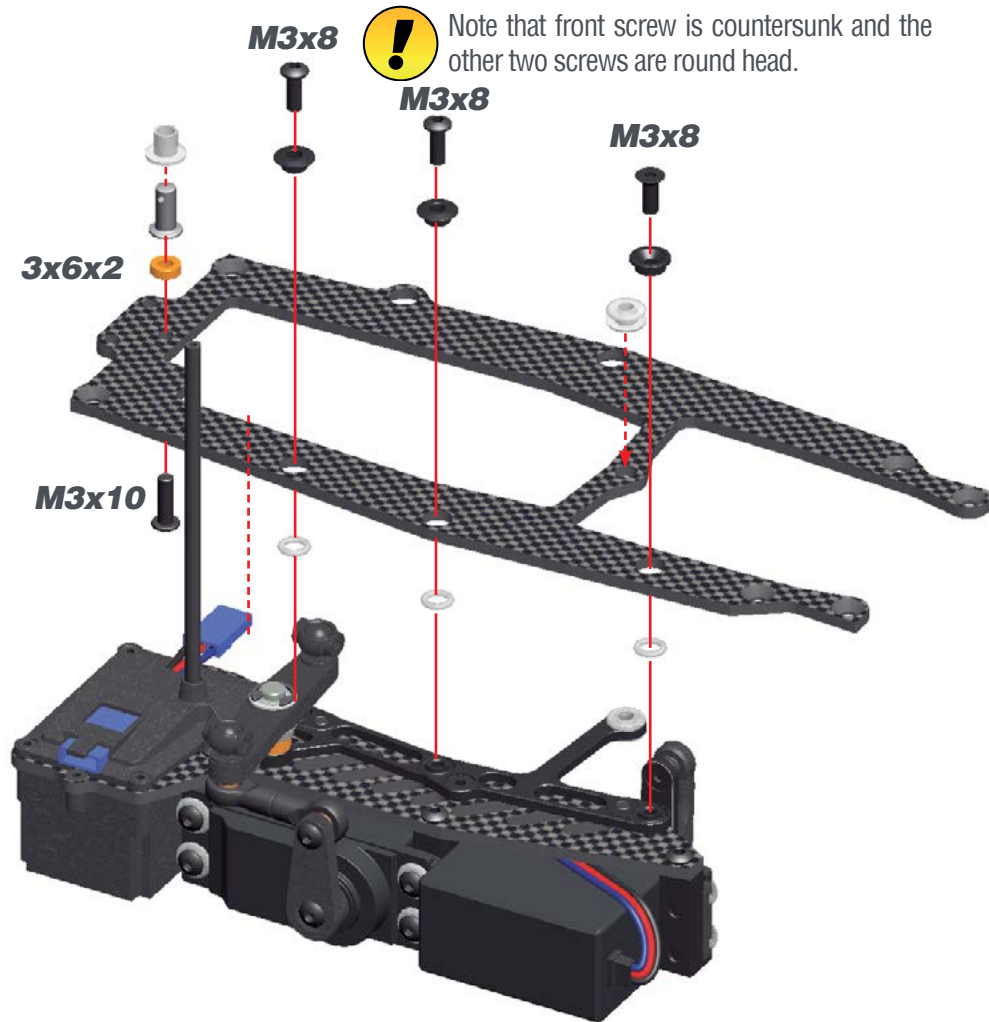
Note the correct position of the grommet.



STEP 47

BAG 12

STEP 48



STEP 49

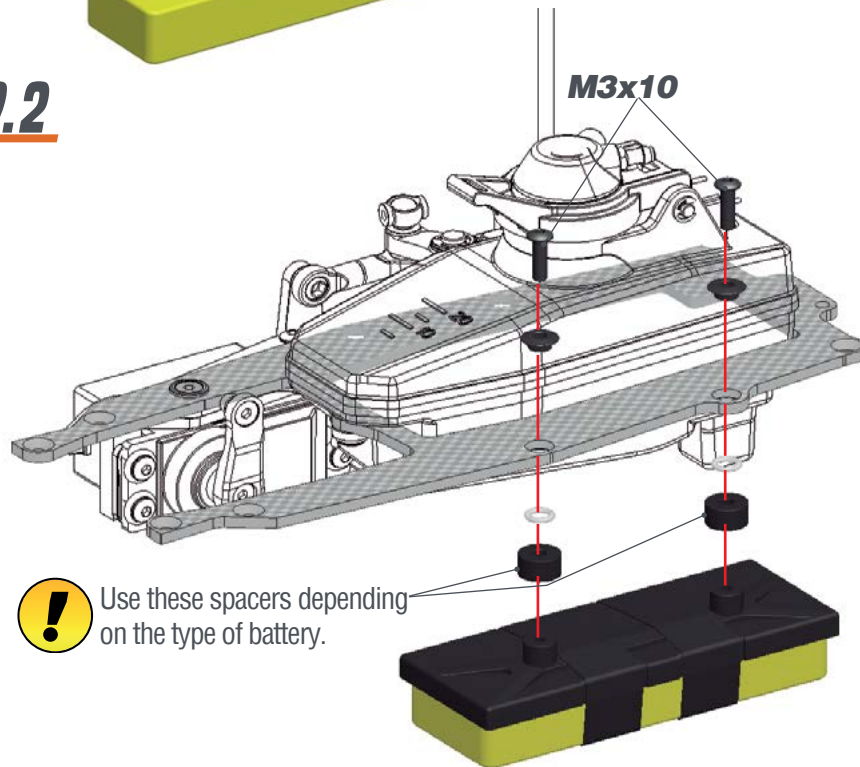
49.1



Use tape to mount the battery to the plastic support.

NOT INCLUDED

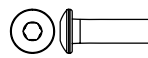
49.2



M3x10

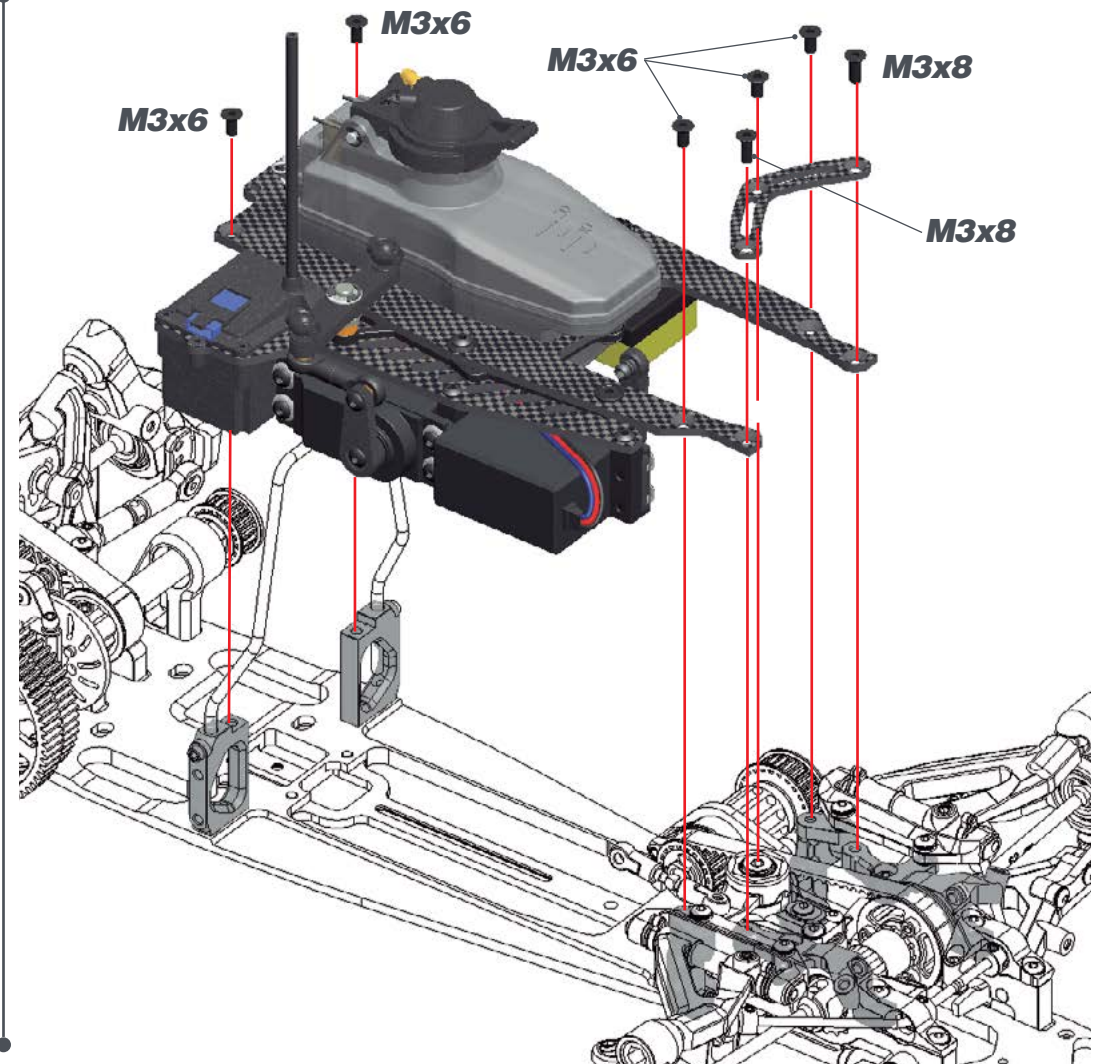


Use these spacers depending on the type of battery.



M3x10

STEP 50



M3x6

M3x6

M3x8

M3x6

M3x8



M3x6



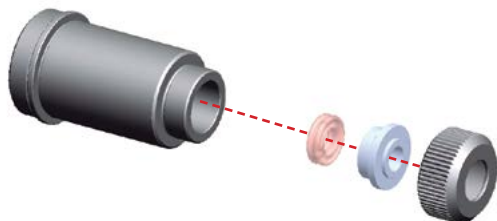
M3x8

STEP 51

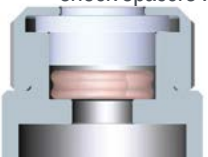
SHOCKS BAG

51.1

Use some silicone oil during the assembly.

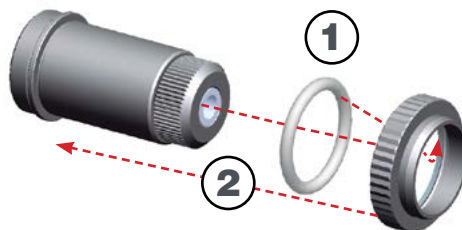


Note the correct orientation of the shock spacers.



51.2

Insert the o-ring inside the spring collar.

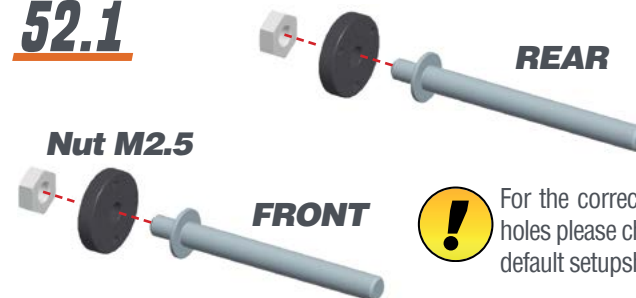


Note the correct position of the o-ring.



STEP 52

52.1



Use the shorter shock shaft in the front and the longer one in the rear shock absorber.

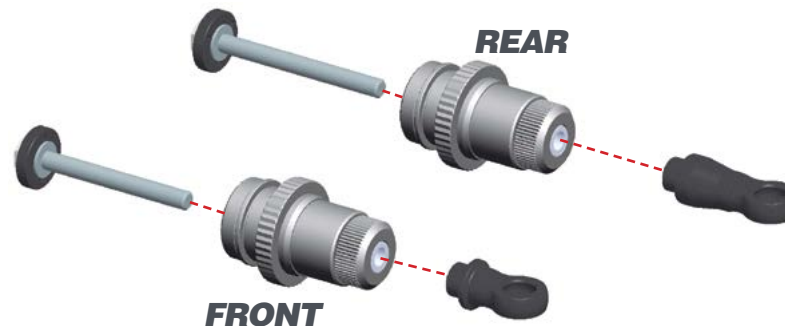
REAR

FRONT

52.2



Use some silicone oil during the assembly.



Nut M2.5

STEP 53**53.1**

Push the shock top and the membrane into the shock cap.

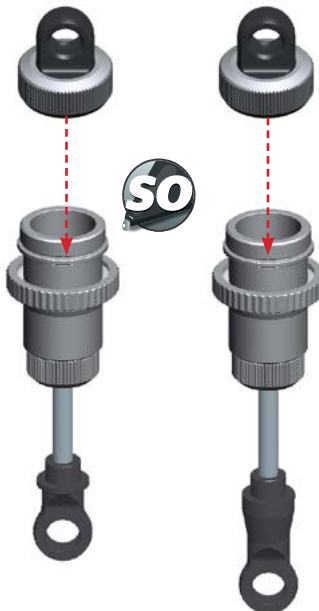
**53.2**

1- Fill up with silicone oil fully using the silicone oil supplied in the kit. For the correct cst value please check the default setupsheet.

2- Extend the shockrod fully

3- Move the shockrod slowly up and down to let ALL air bubbles escape.

4- Close top only 3/4.

**53.3**

1-Bleed: push the shockrod all the way in slowly, to allow excessive oil to escape.

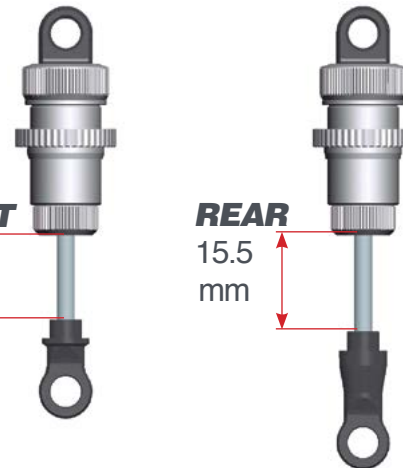
2- Close the shock cap completely.



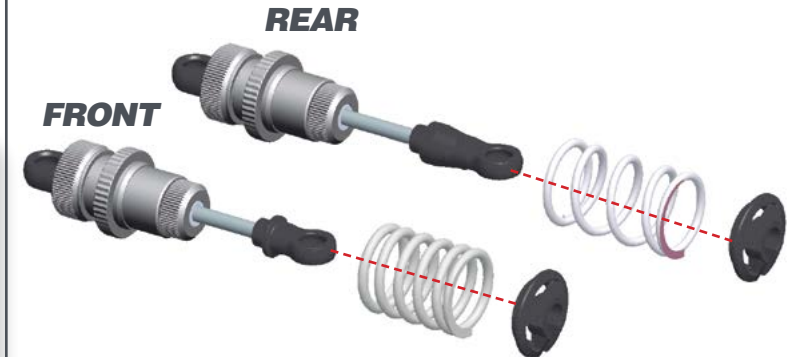
SHOCKS LENGTH: Measure the shock length fully extended.

FRONT
14
mm

REAR
15.5
mm

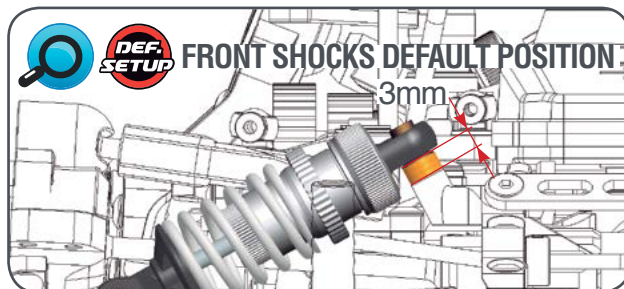
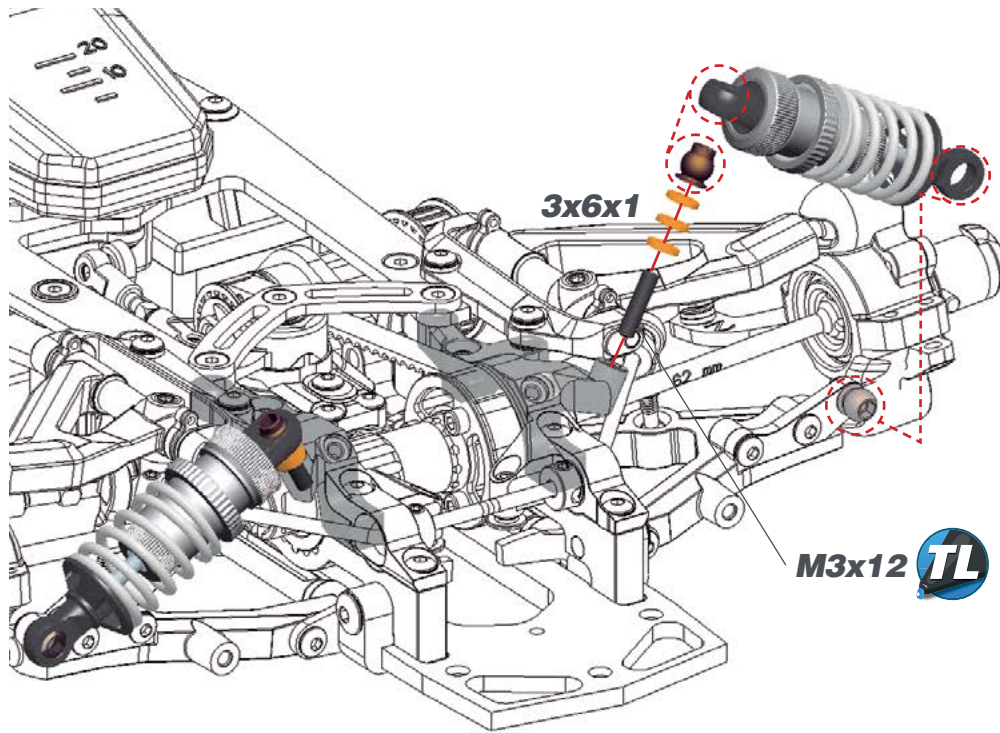
**STEP 54**

Assemble the spring and spring-cup (align correctly) to complete the shock.

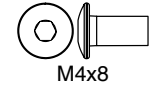
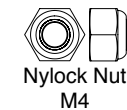
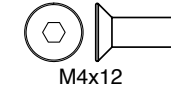
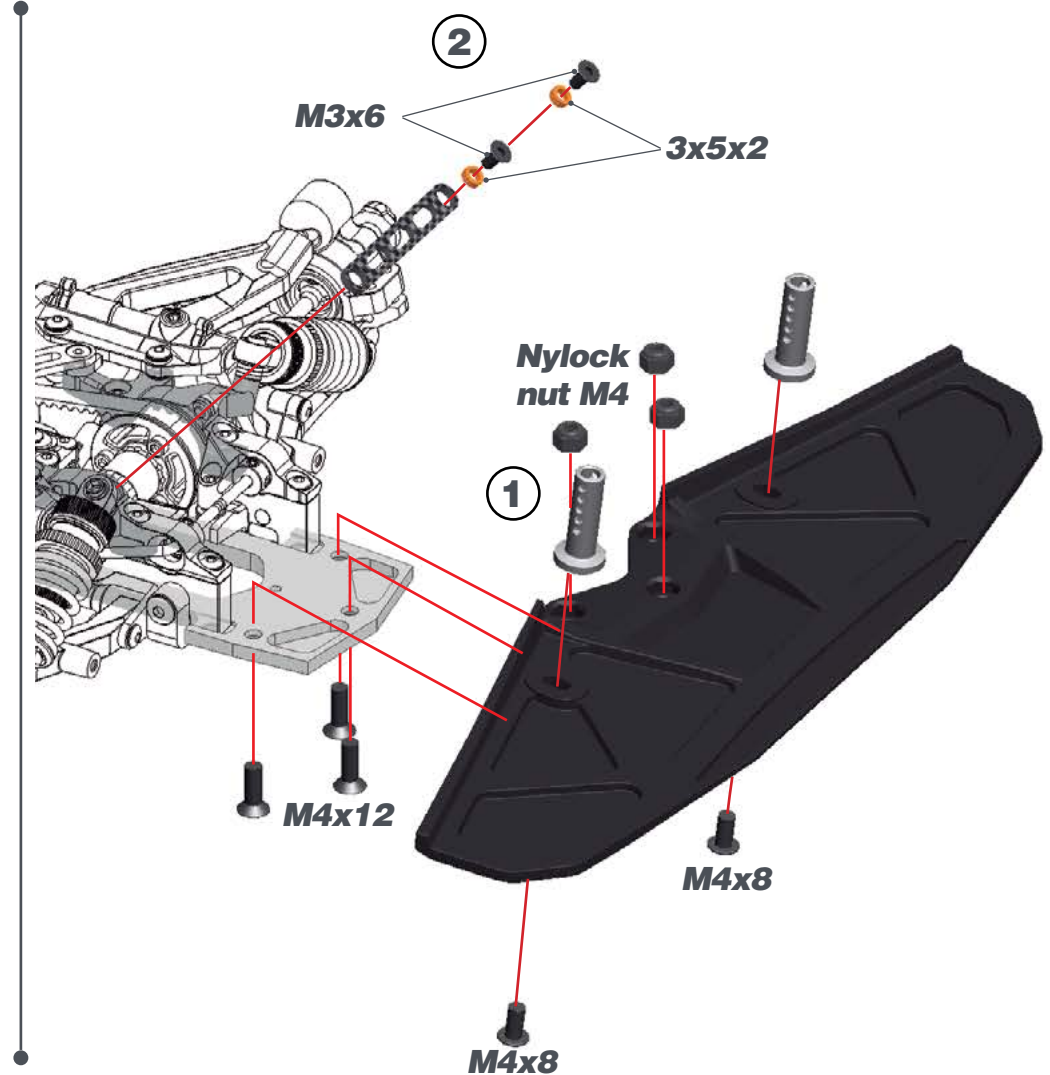


STEP 55

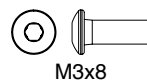
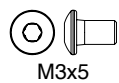
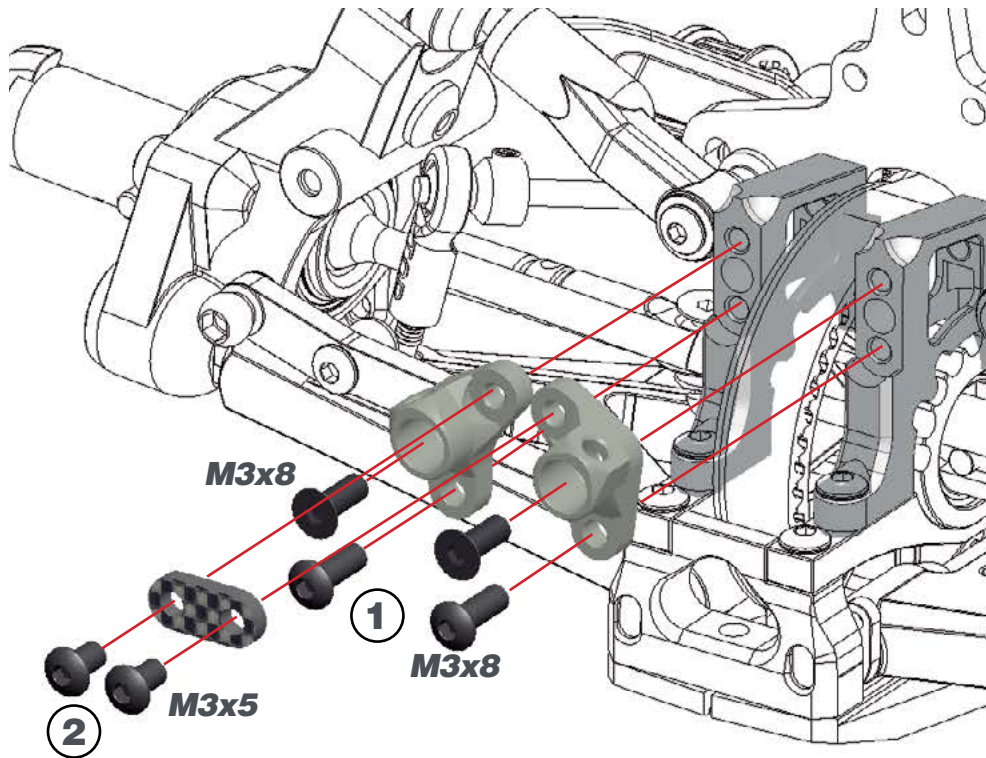
BAG 13



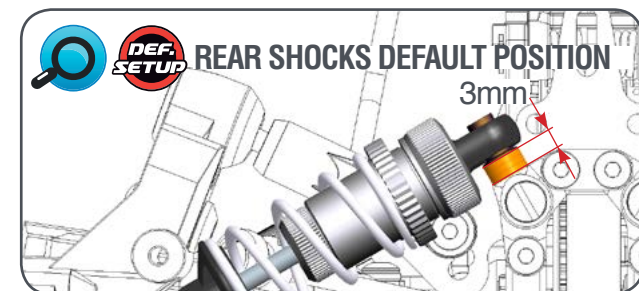
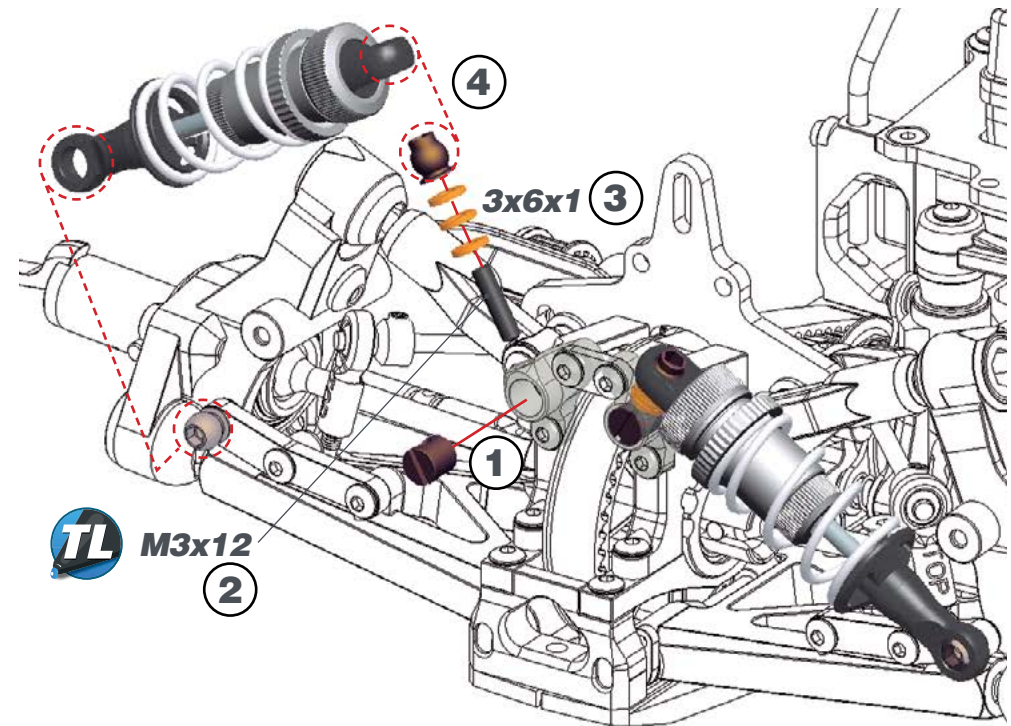
STEP 56



STEP 57



STEP 58

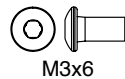
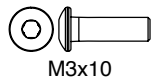
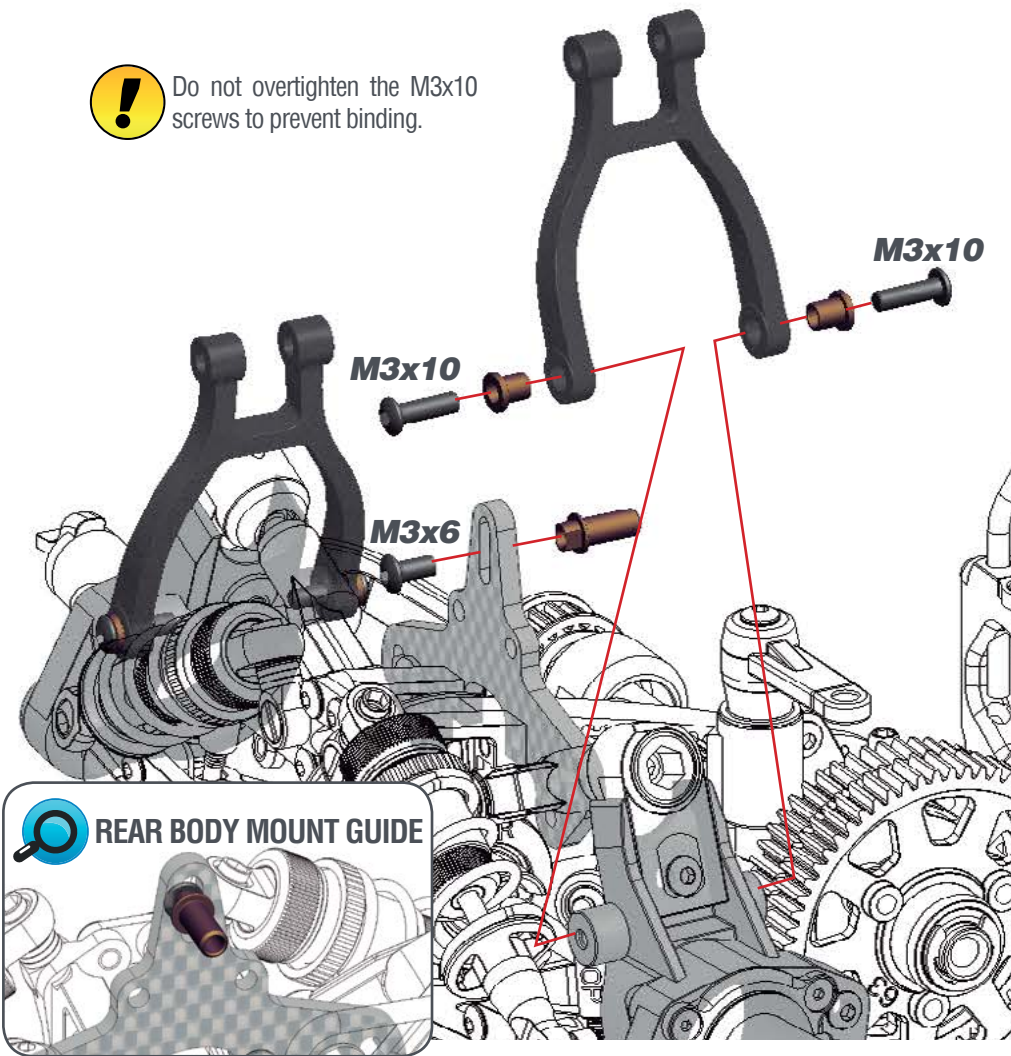


STEP 59

BAG 14



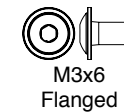
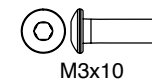
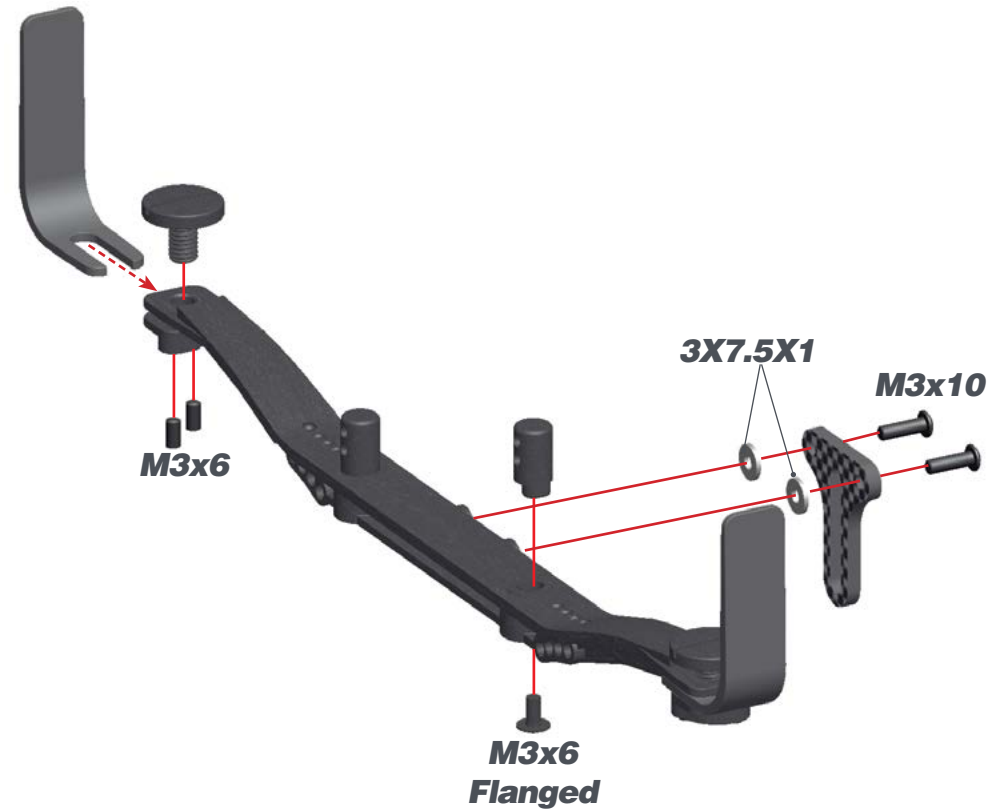
Do not overtighten the M3x10 screws to prevent binding.



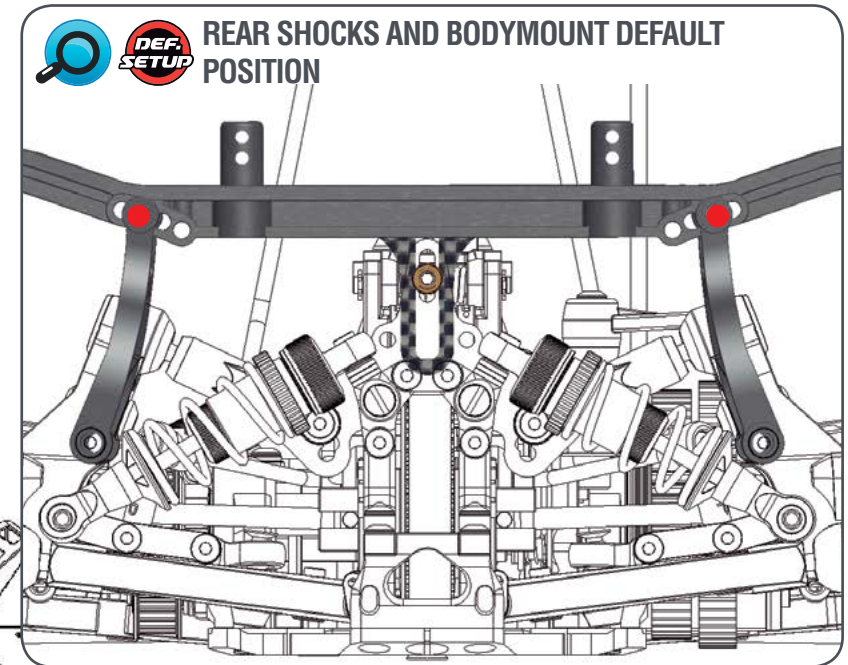
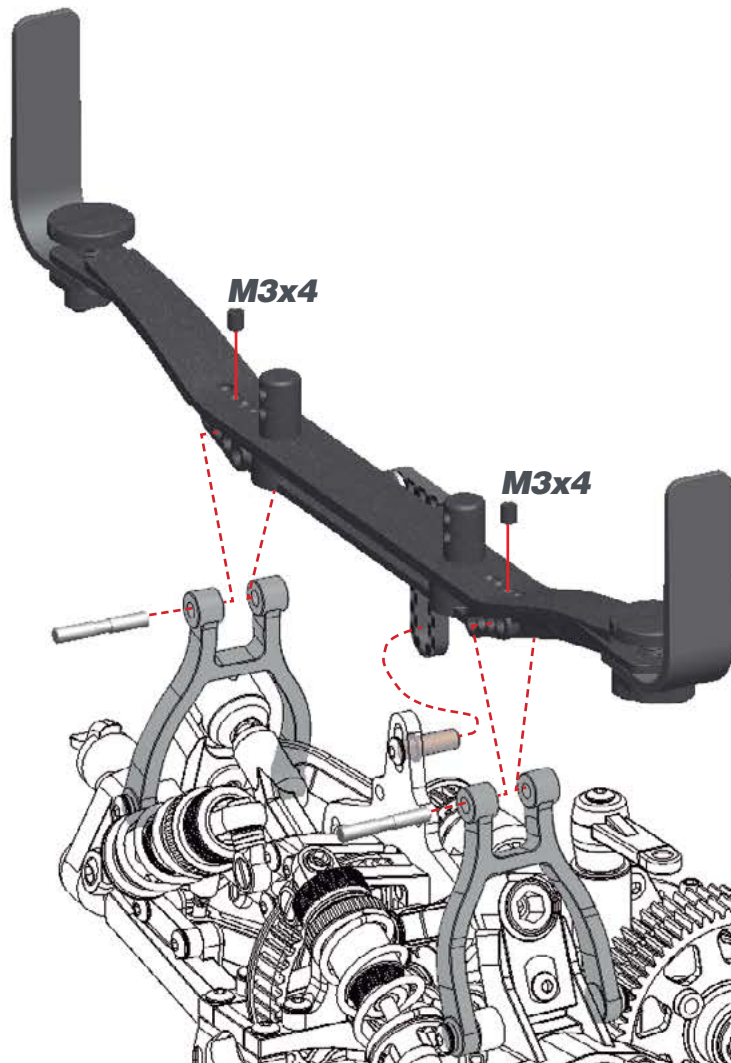
STEP 60



Do not overtighten M3x6 Flanged screws.



STEP 61



○ □
M3x4

STEP 62

CLUTCH BAG

62.1

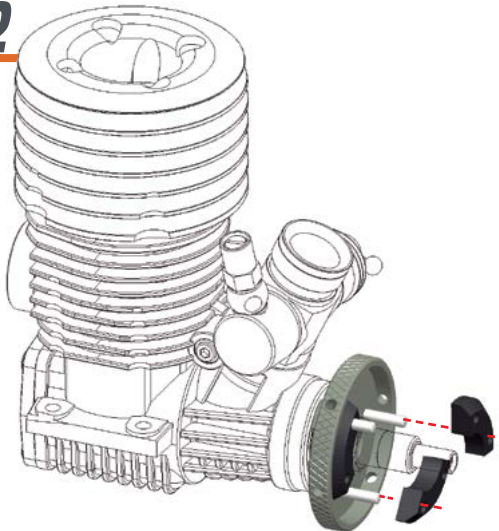


1- To align the clutchgears with the 2-speed gears, it may be needed to use shim(s) 6x8x0.5mm (for 6mm shaft) or 7x8x0.5 (for 7mm shaft) behind the cone. This you can see only after assembling the clutch.

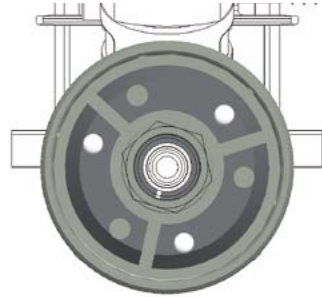
2- The holes in the side of the flywheel can be used to block the flywheel (with short allen tool) through the bottom of the chassis, when the engine/clutch is mounted in the car. It's easier to tighten or loosen the pre-load on the clutch spring that way.

NOT INCLUDED

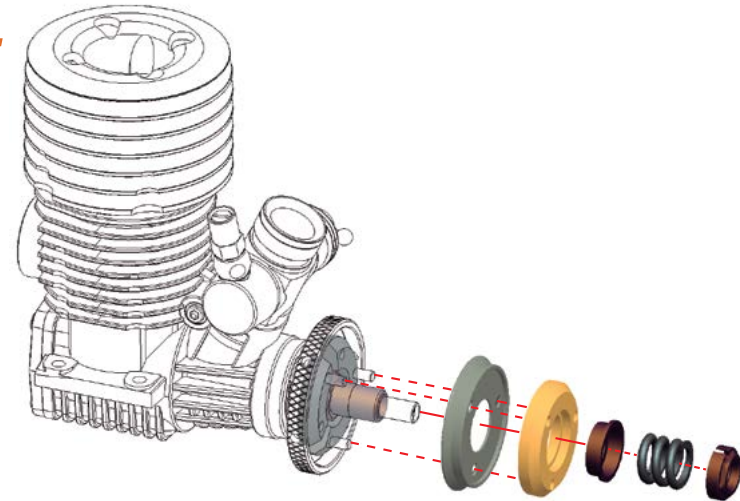
62.2



Note the orientation of the flyweights. Use the right hole for having a more aggressive clutch



63.1

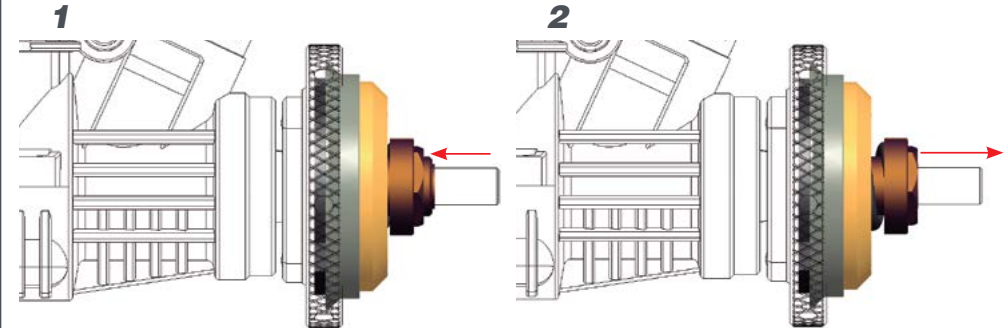


63.2



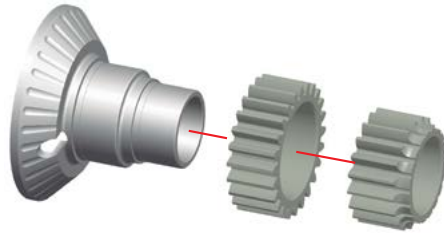
For adjusting the default clutch spring tension:

- 1- Screw in the adjusting nut all the way.
- 2- Unscrew it one and a half turns.
- 3- Fine tune the setup of your clutch on the track according to your driving style, track and weather conditions.

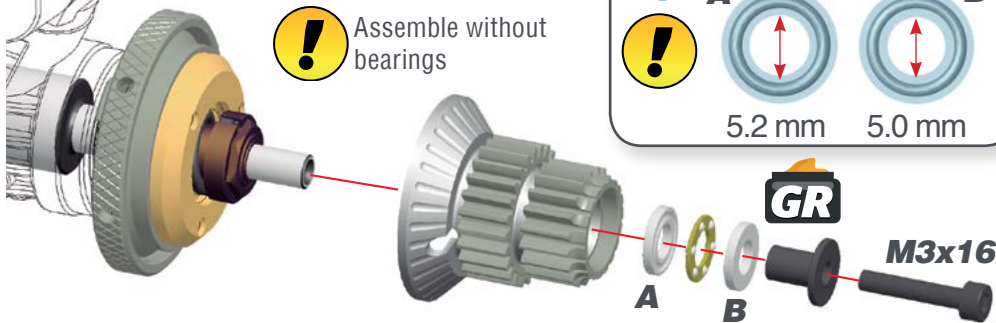


STEP 64

64.1



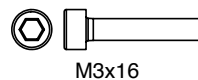
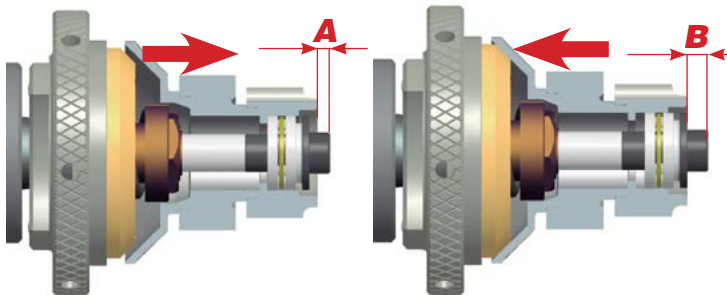
64.2 SETTING THE CLUTCH GAP



64.2 Clutch gap is calculated taking A and B measurements showed below.
 $GAP = B - A$. The advised gap is between 0.6 and 0.8mm

Pull the clutch bell forward

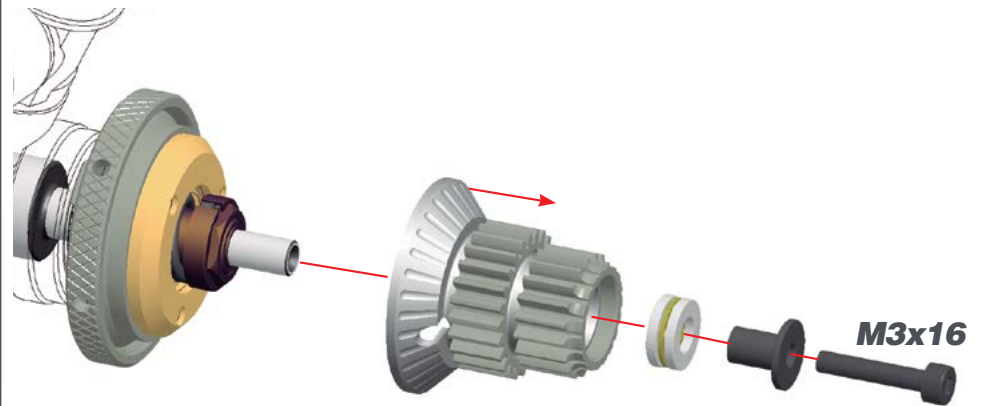
Push the clutchbell back



STEP 65

65.1

Disassemble the clutch bell.



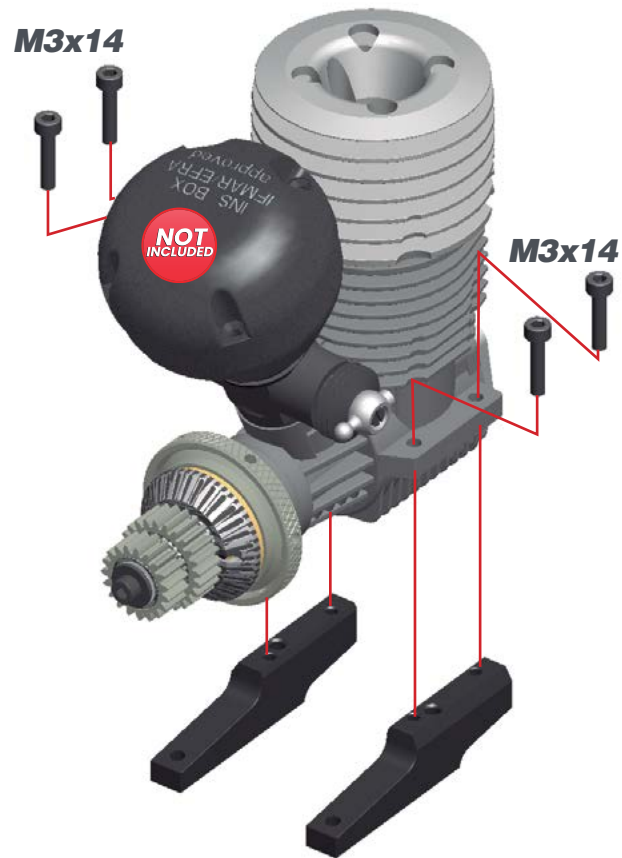
65.2 SETTING THE CLUTCH END PLAY



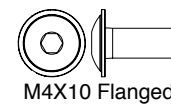
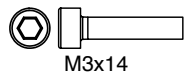
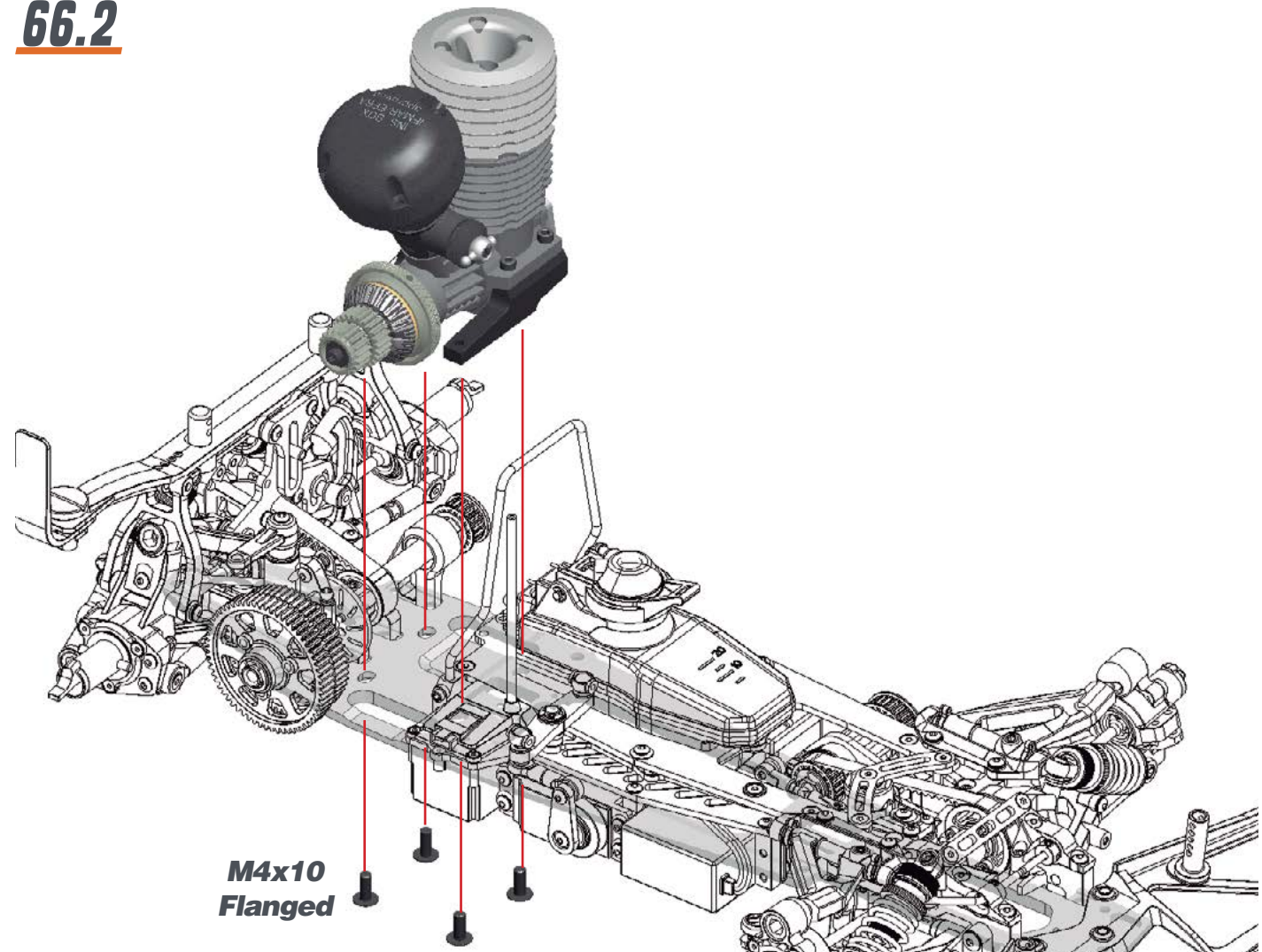
STEP 66

BAG 15

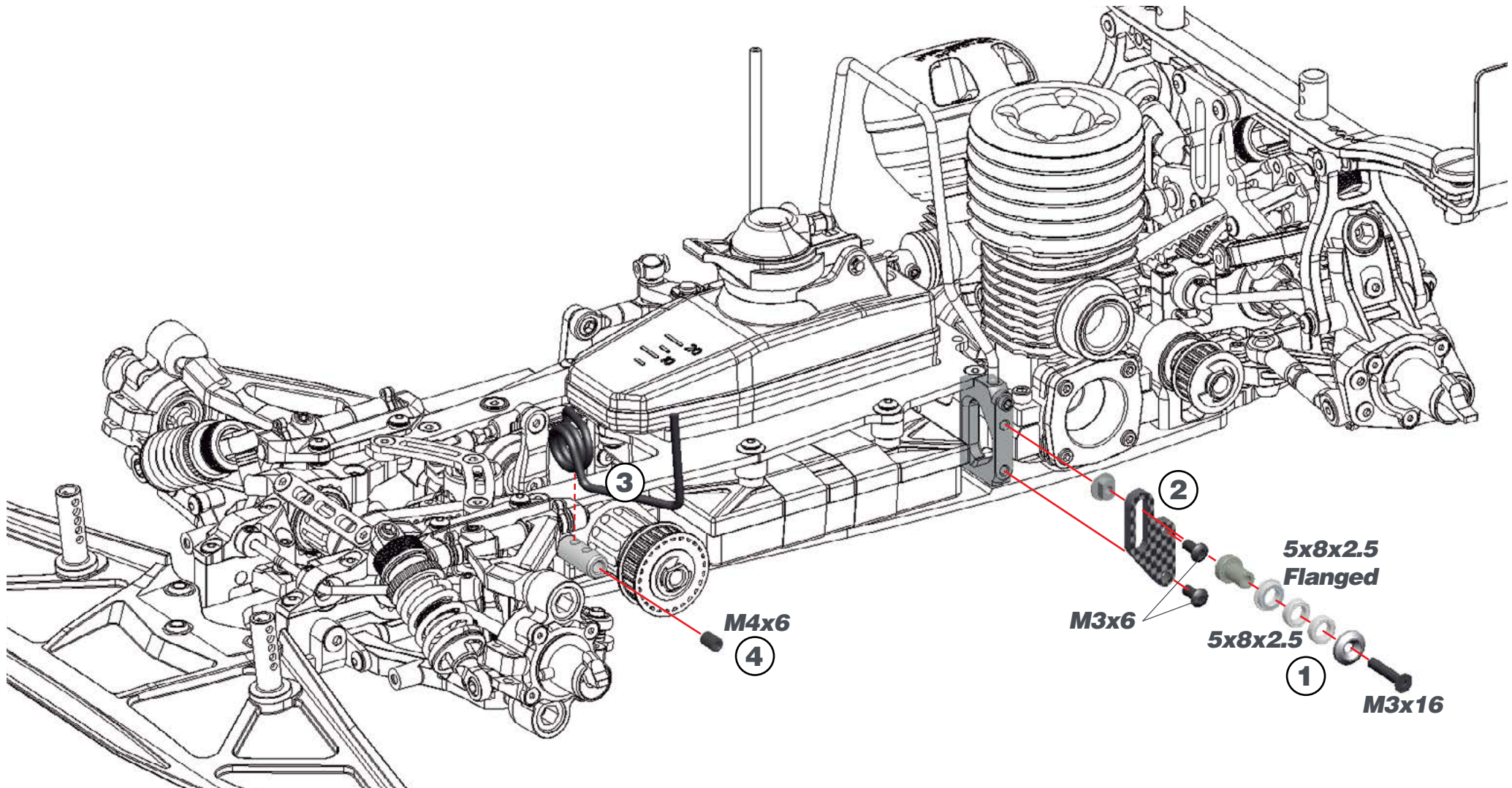
66.1



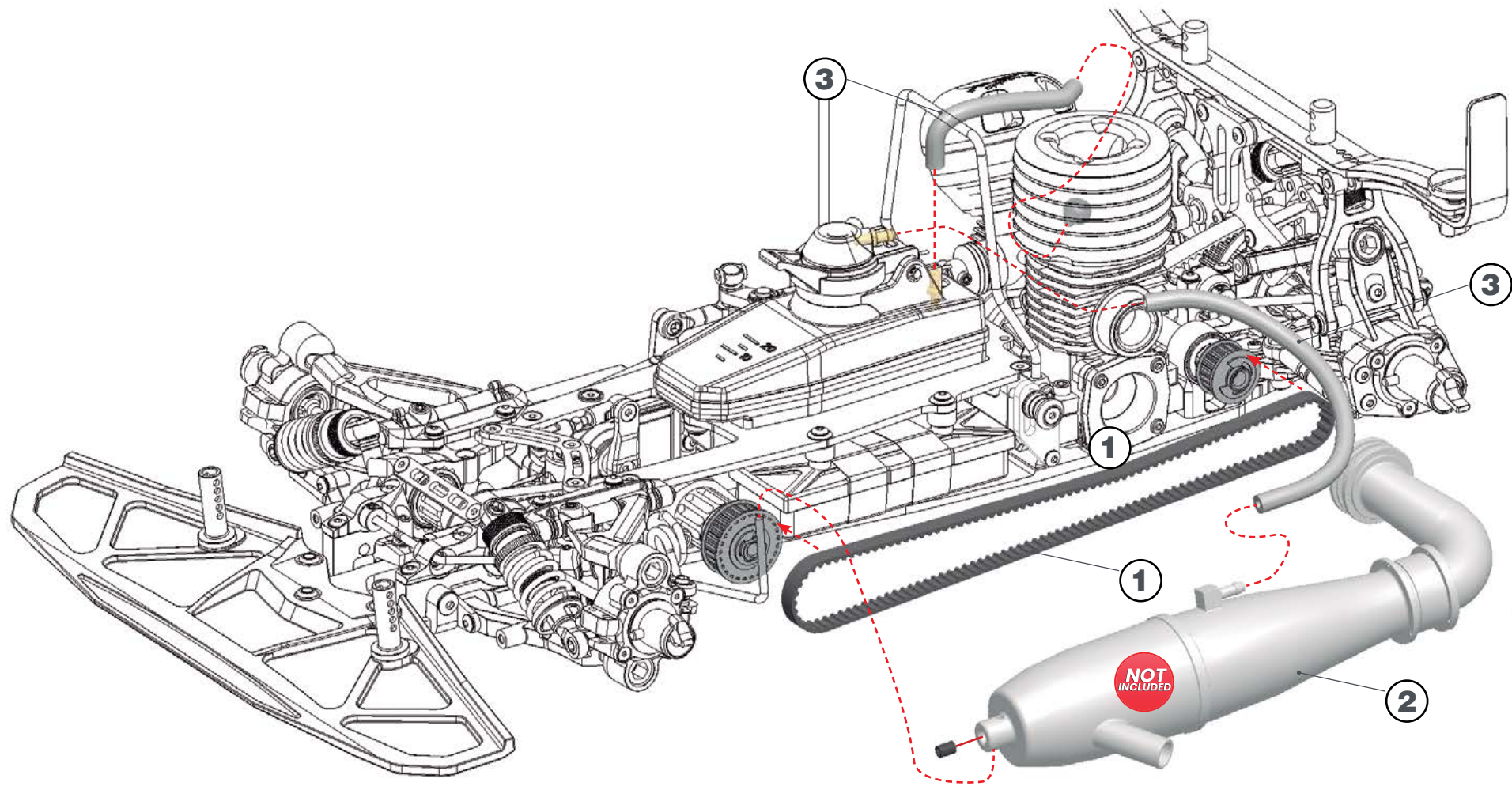
66.2



STEP 67



STEP 67

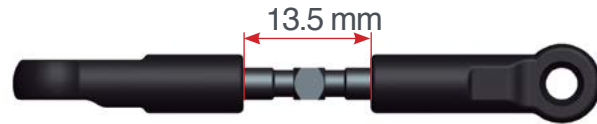


STEP 68

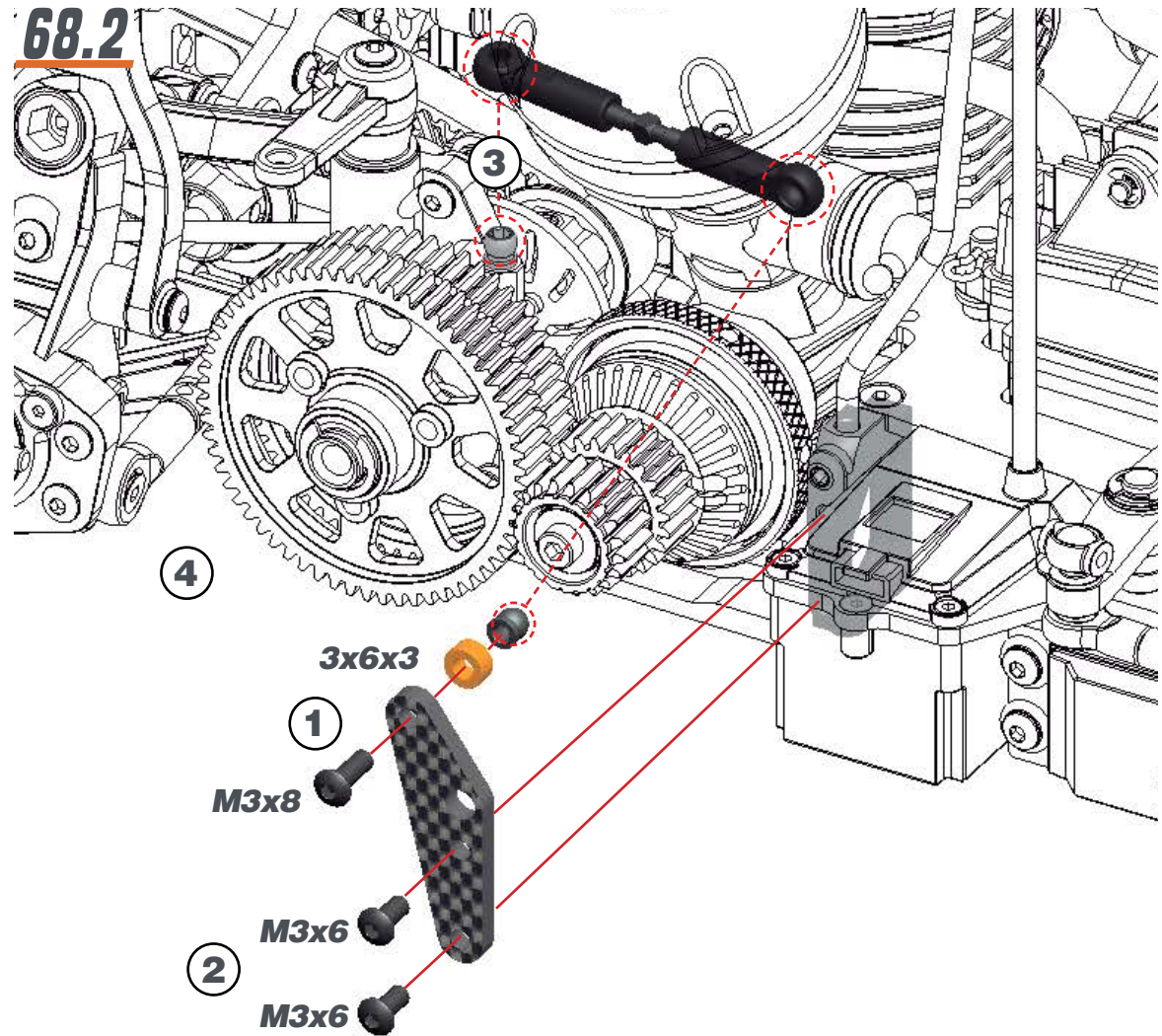
68.1



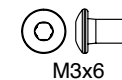
STIFFENER LENGTH



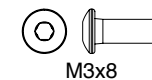
68.2



3x6x3



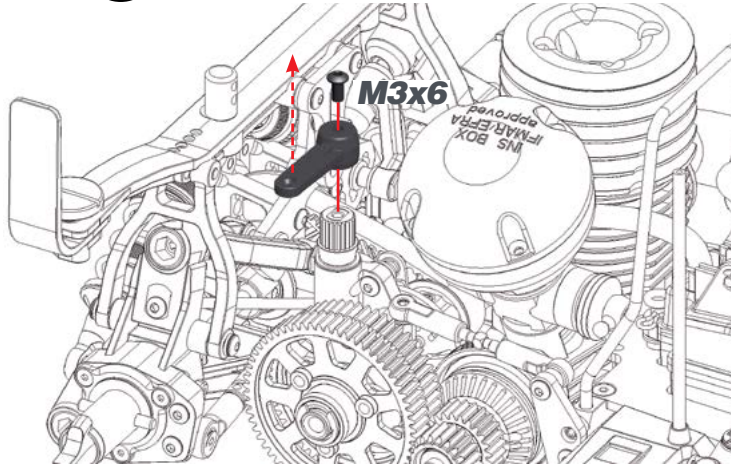
M3x6




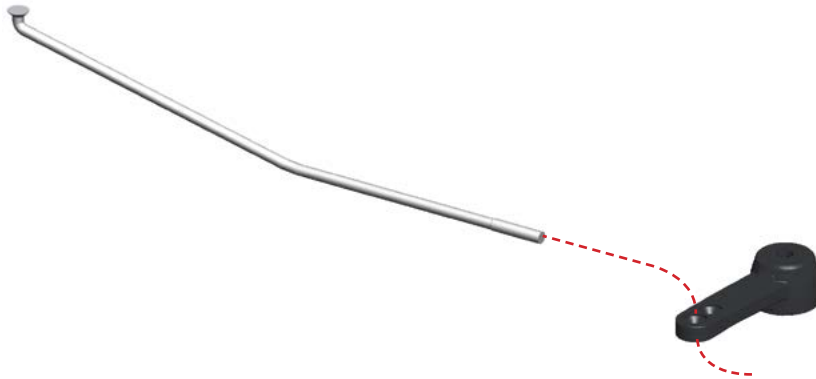
M3x8

STEP 69

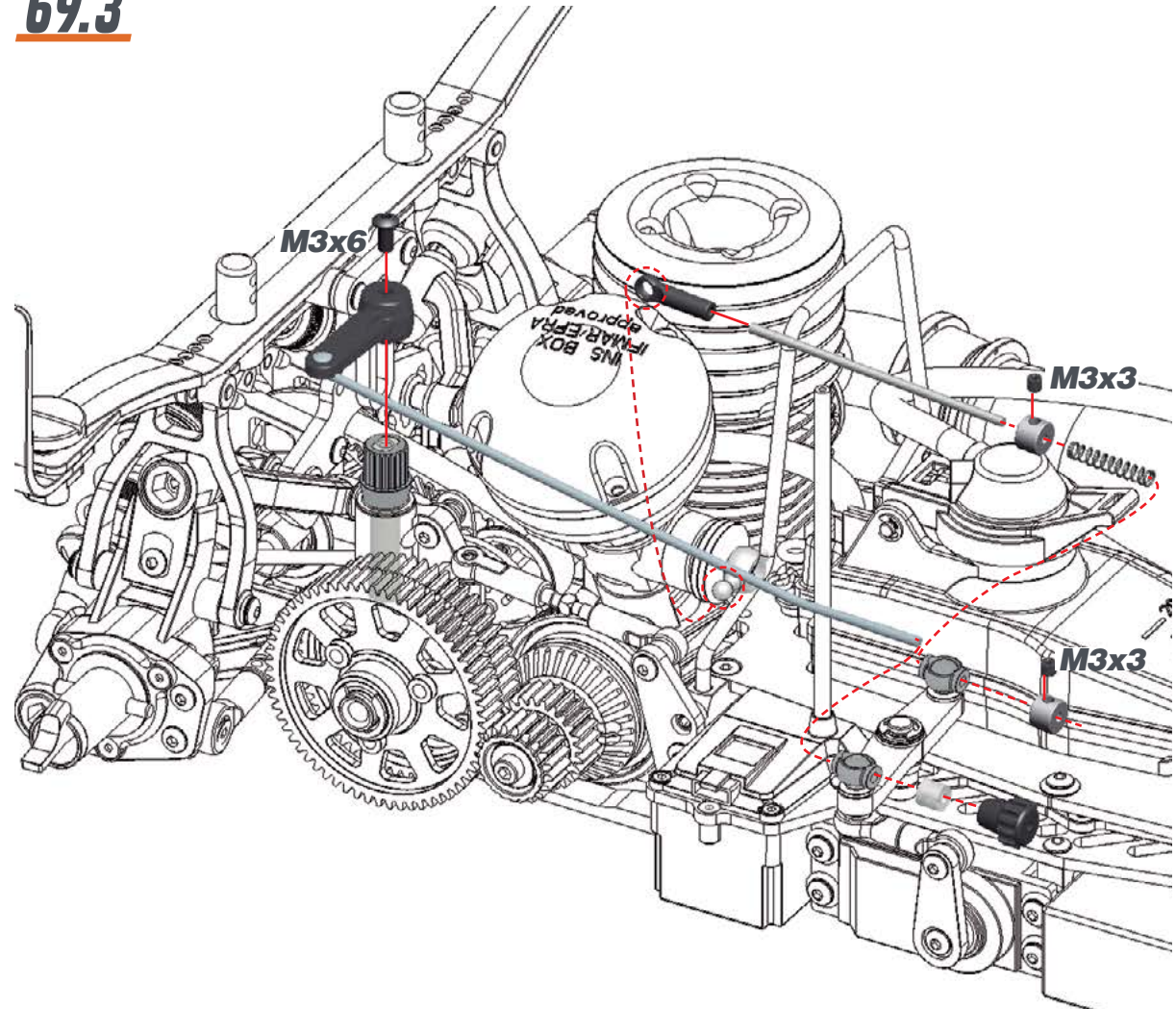
69.1  Disassemble the plastic brake lever.



69.2  Pass the brake linkage through the plastic brake lever.

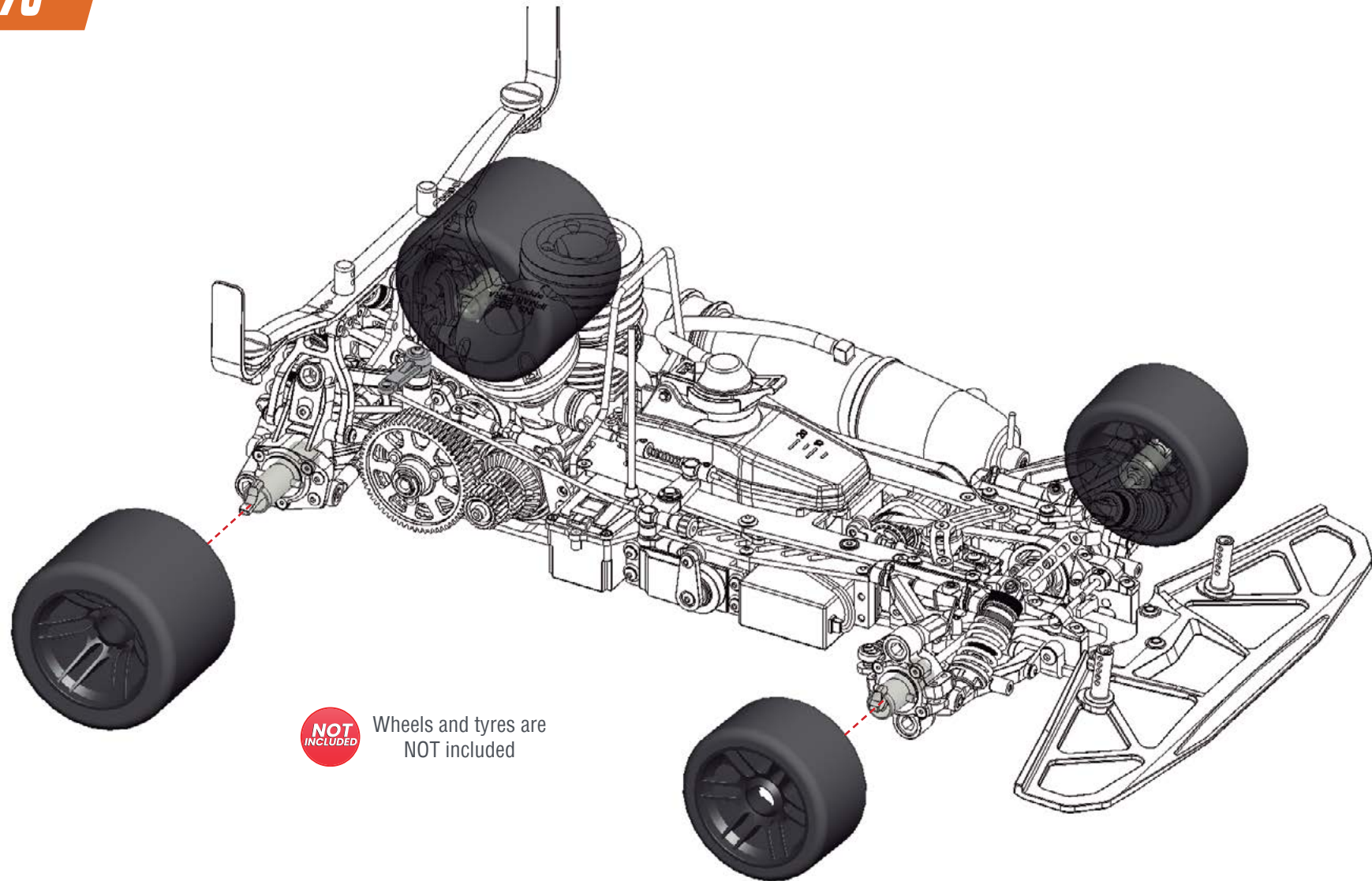


69.3



 
M3x3

STEP 70



Wheels and tyres are
NOT included

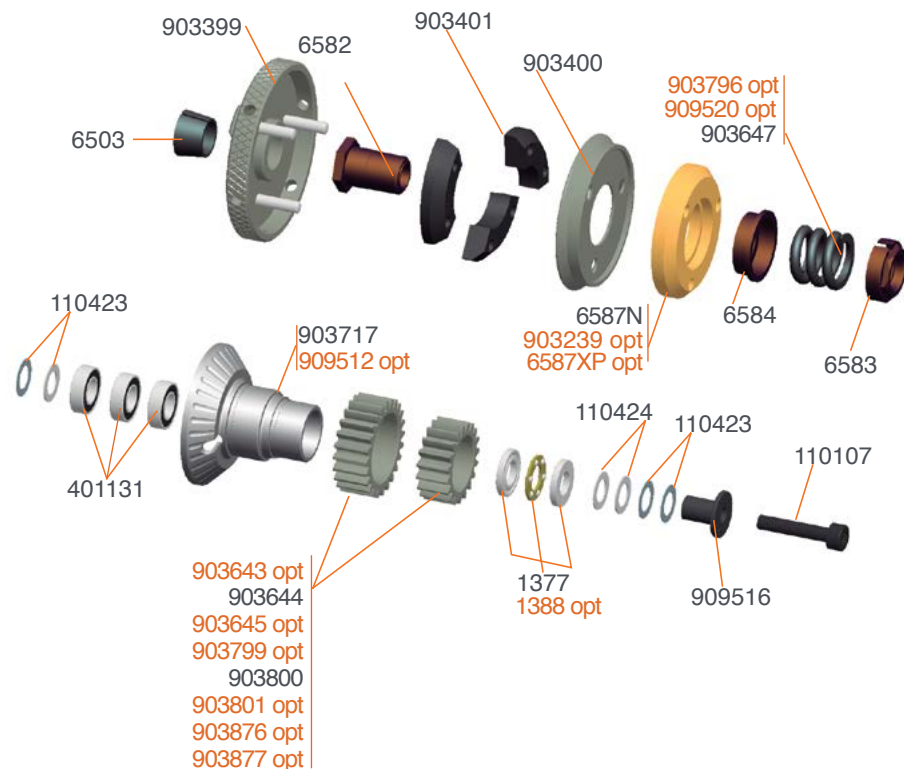
INDEX

CLUTCH AND GEARBOX EXPLODED VIEW	51
SHOCKS EXPLODED VIEW	52
RR UPRIGHTS ANB FR STEERING BLOCKS EXP. VIEW	53
REAR EXPLODED VIEW	54
FRONT 1 EXPLODED VIEW	55
FRONT 2 EXPLODED VIEW	56
RADIO 1 EXPLODED VIEW	57
RADIO 2 EXPLODED VIEW	58
BUMPER AND BODYMOUNT EXPLODED VIEW	59
FINAL EXPLODED VIEW	60
TEAM SERPENT NETWORK	61

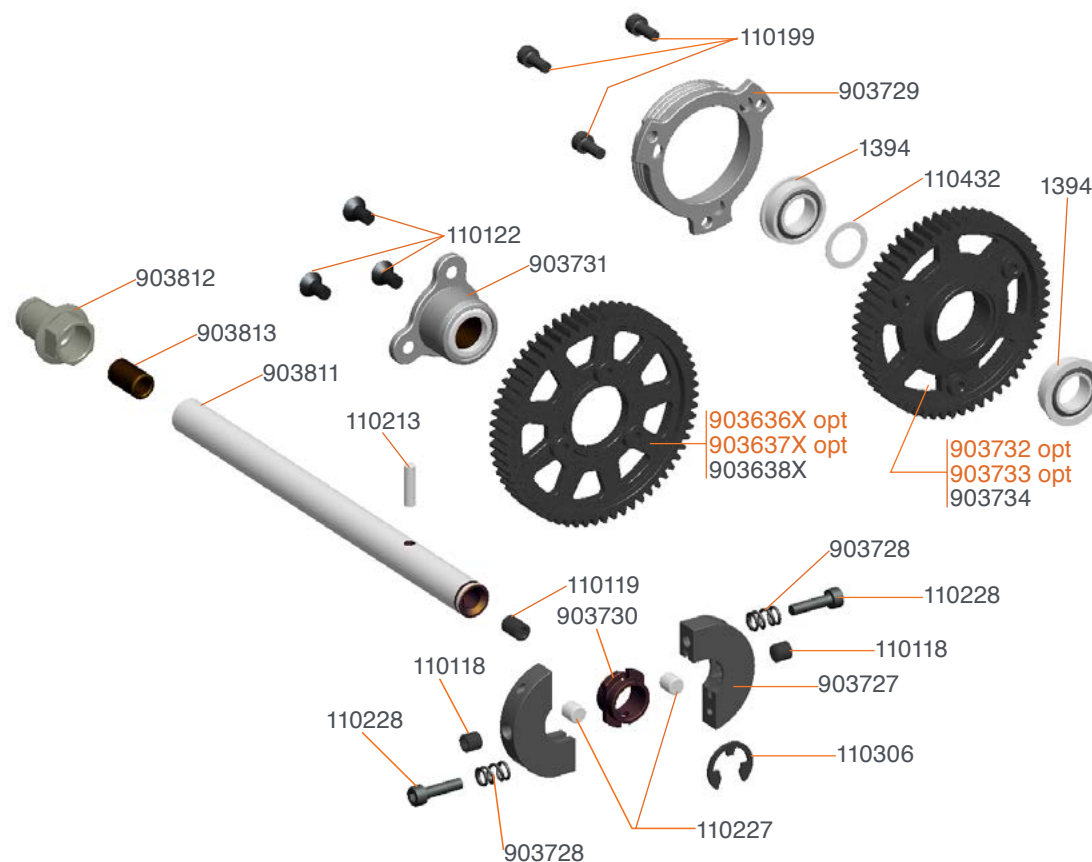
CLUTCH AND GEARBOX EXPLODED VIEW

VIPER
991
EVO

SERPENT



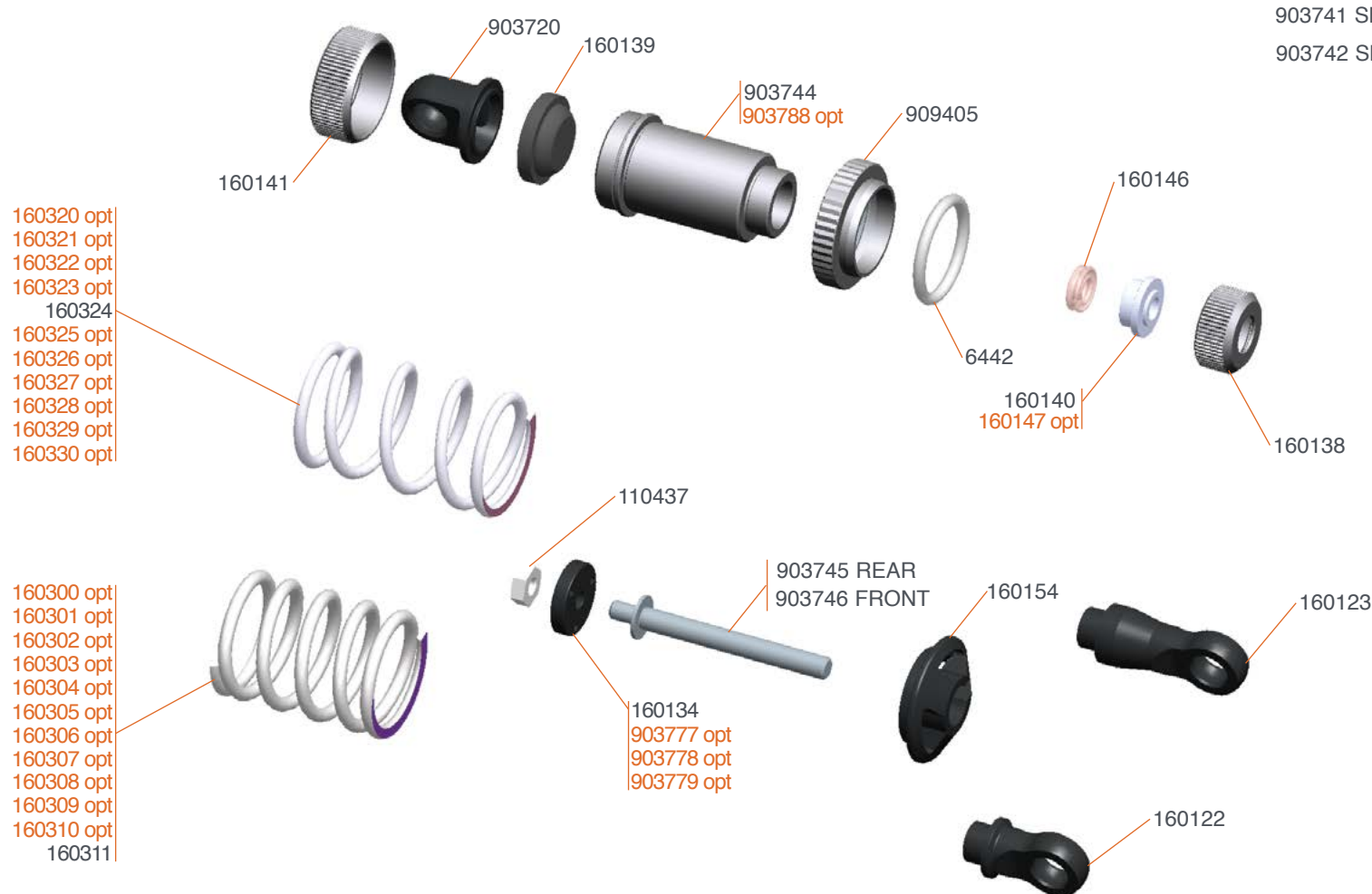
#903810 Lightweight 2-speed shaft set S989



6587XP Centax clutch shoe XP
903239 Centax-2 clutch shoe red
903643 Centax gear-pinion alu 23T XLI
903645 Centax gear-pinion alu 25T XLI
903646 Centax gear-pinion alu set XLI (6)
903636X 2-speed gear 61T SL8 XLI V2

903637X 2-speed gear 62T SL8 XLI V2
903732 2-speed gear 56T XLI Gen2
903733 2-speed gear 57T XLI Gen2
903771 2-speed gear set (6) XLI Gen2
903805 Centax gear-pinion alu set XLI Gen2 (6)
909512 Centax II clutch-housing universal

903796 Centax spring XX-hard
903799 Centax gear-pinion alu 18T XLI Gen2
903801 Centax gear-pinion alu 20T XLI Gen2
903876 Centax gear-pinion steel 17T XLI
903877 Centax gear-pinion steel 22T XLI



903741 Shockset XLV short (2)

903742 Shockset XLV long (2)

160147 Shock onroad big bore bushing LF (4)
160300 Spring white L23 (2.3/13) (2)
160301 Spring yellow L23 (2.8/16) (2)
160302 Spring orange 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 blue L23 (5.8/33) (2)
160306 Spring purple L23 (6.8/39) (2)
160307 Spring green L23 (8/45.5) (2)
160308 Spring grey L23 (9/51.5) (2)

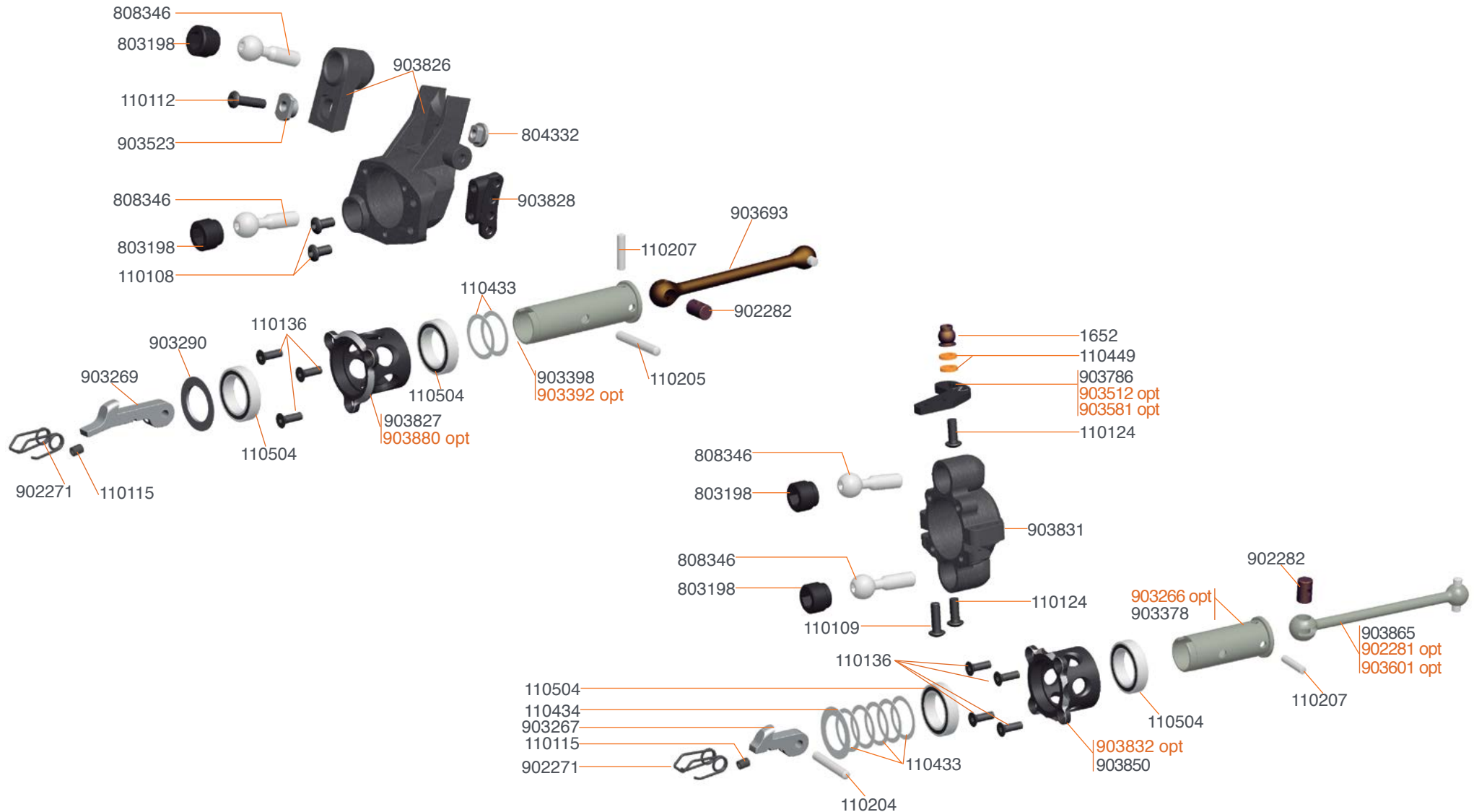
160309 Spring black L23 (10/57) (2)
160310 Spring-set short (5x2)
160320 Spring white L27 (2.3/13) (2)
160321 Spring yellow L27 (2.8/16) (2)
160322 Spring orange L27 (3.4/19.5) (2)
160323 Spring red L27 (4.1/23.5) (2)
160325 Spring blue L27 (5.8/33) (2)
160326 Spring purple L27 (6.8/39) (2)
160327 Spring green L27 (8/45.5) (2)
160328 Spring grey L27 (9/51.5) (2)

160329 Spring black L27 (10/57) (2)
160330 Spring-set L27 (5x2)
903777 Shock piston XLV 1 hole (4)
903778 Shock piston XLV 2 hole (4)
903779 Shock piston XLV 3 hole (4)
903780 Heave demper set rear
903781 Heave demper set front
903788 Shockbody XLV short NiCoated (2)

RR UPRIGHTS AND FR STB. EXPLODED VIEW

VIPER
990
EVO

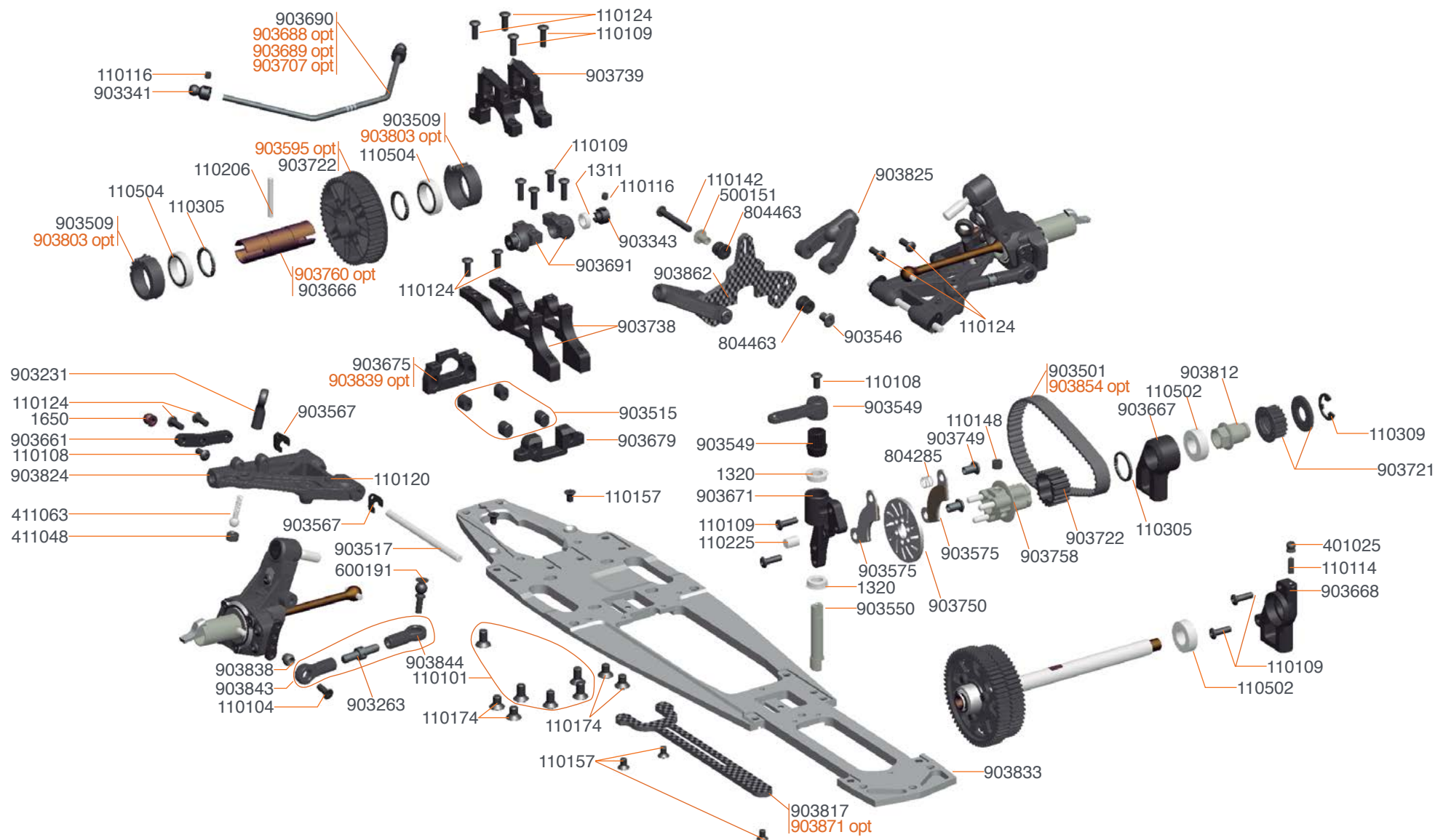
SERPENT



902281 Driveshafts front CV (2)
903392 Wheel-axle CVD RR (2)
903266 Wheel-axes cvd OS2 FR (2)
903512 Steeringblock lever alu (2)
903581 Steeringblock lever carbon (2)

903601 Driveshaft cvd FR alu (2)
903832 Steeringblock excenter alu (2) S990
903851 Offset shim excenters 0.5mm (4) S990
903880 Upright insert excenter alu (2) S990 EVO





903688 Antiroll bar FR/RR soft S988
903689 Antiroll bar FR/RR medium S988
903707 Antiroll bar FR/RR X-hard S988
903759 Chassis weight 14gr brass S989
903803 Excenter set rr alu L+R S9XX

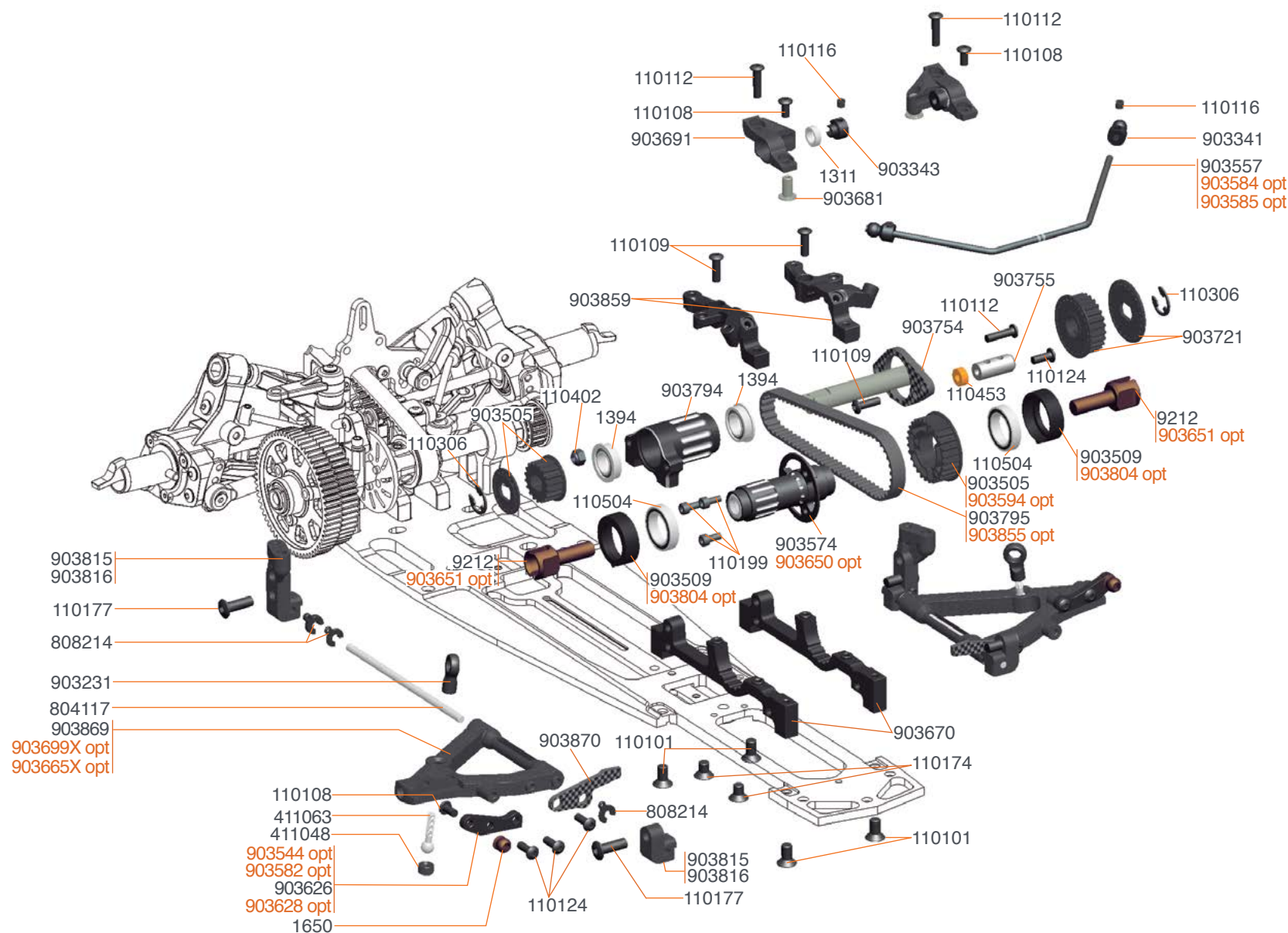
903839 Rearplate flex S990
903840 Weight bridge fr carbon S990
903841 Weight bottom brass 32gr S990
903854 Belt 90S3M201 MBL competition S9XX
903871 Battery plate carbon 990 EVO

903872 Battery plate weight 15gr (2) 990 EVO
903879 Battery plate brass 53gr 990 EVO

FRONT 1 EXPLODED VIEW

VIPER
990

SERPENT

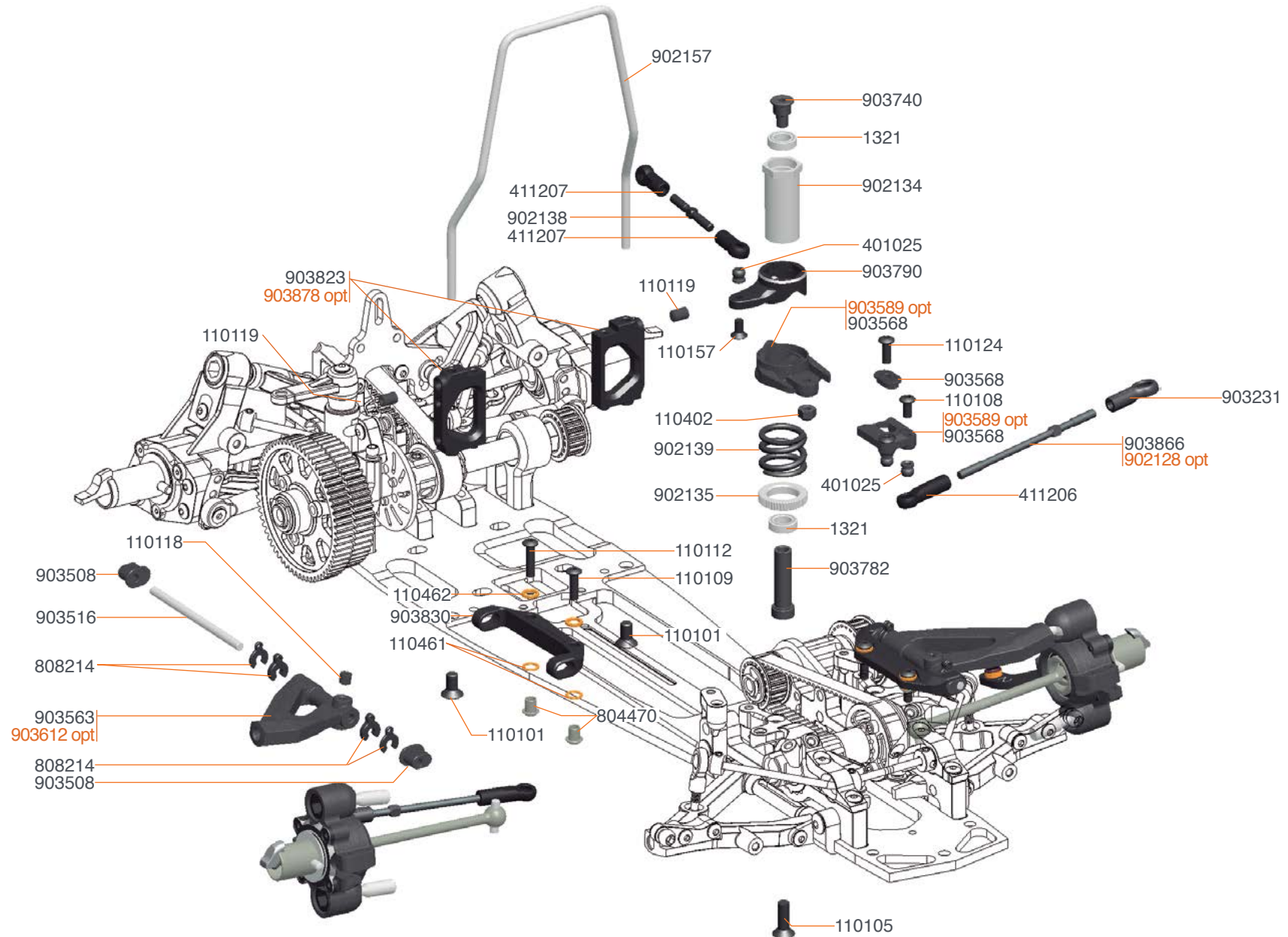


903544 Shock extension bracket FR alu (2)
903584 Antiroll bar FR soft S989
903585 Antiroll bar FR hard S989
903582 Shock extension bracket FR carbon (2)

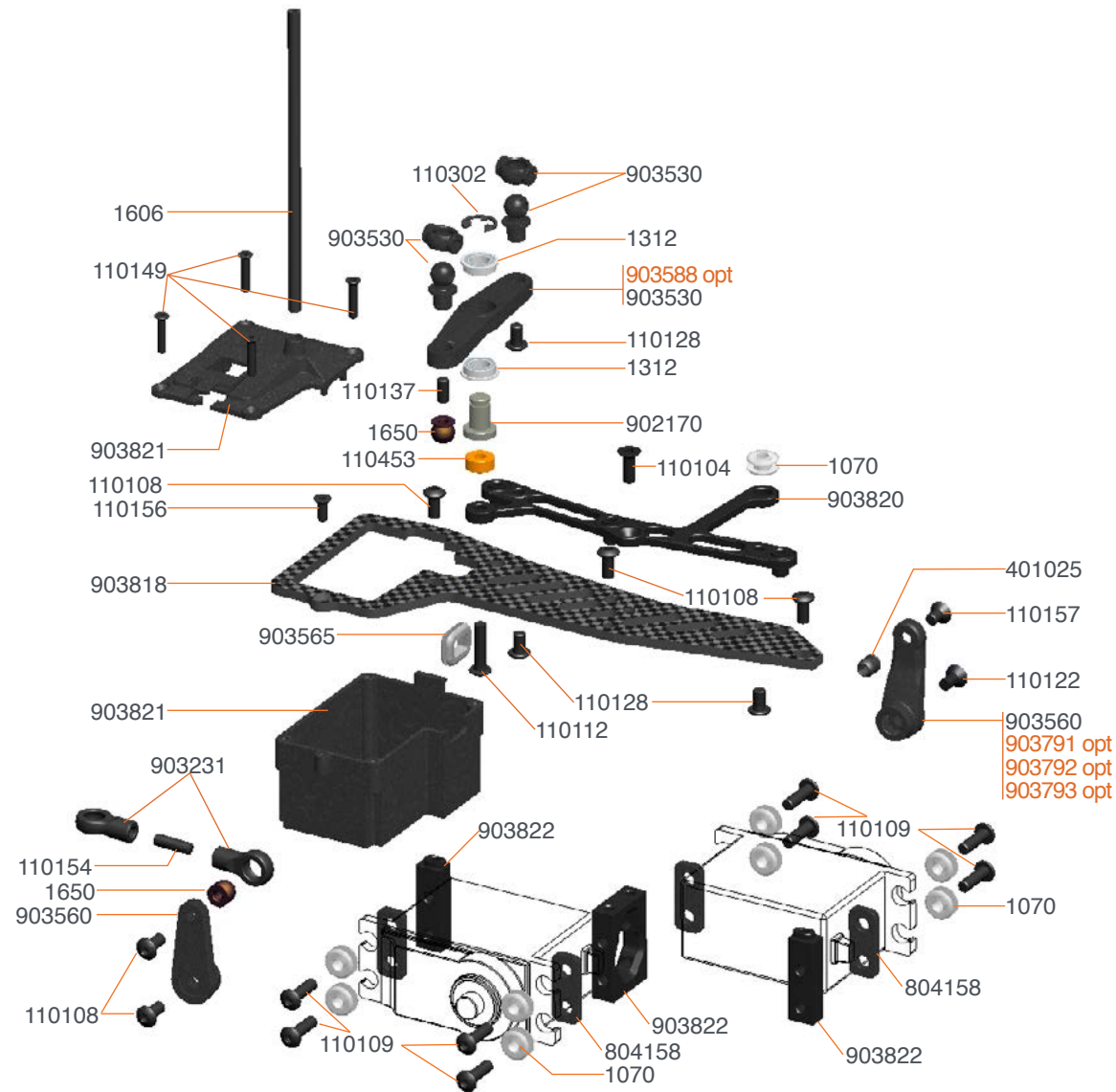
903628 Shock extension bracket FR wide carbon (2)
903650 Oneway front axle Hard anodized
903651 Inner driveshaft adapter light
903665X Wishbone FR lw V2 L+R S988

903695 Wishbone insert carbon FR lw (2)
903699X Wishbone FR lw V2 L+R hard S988
903855 Belt 60S3M210 MBL competition S9XX

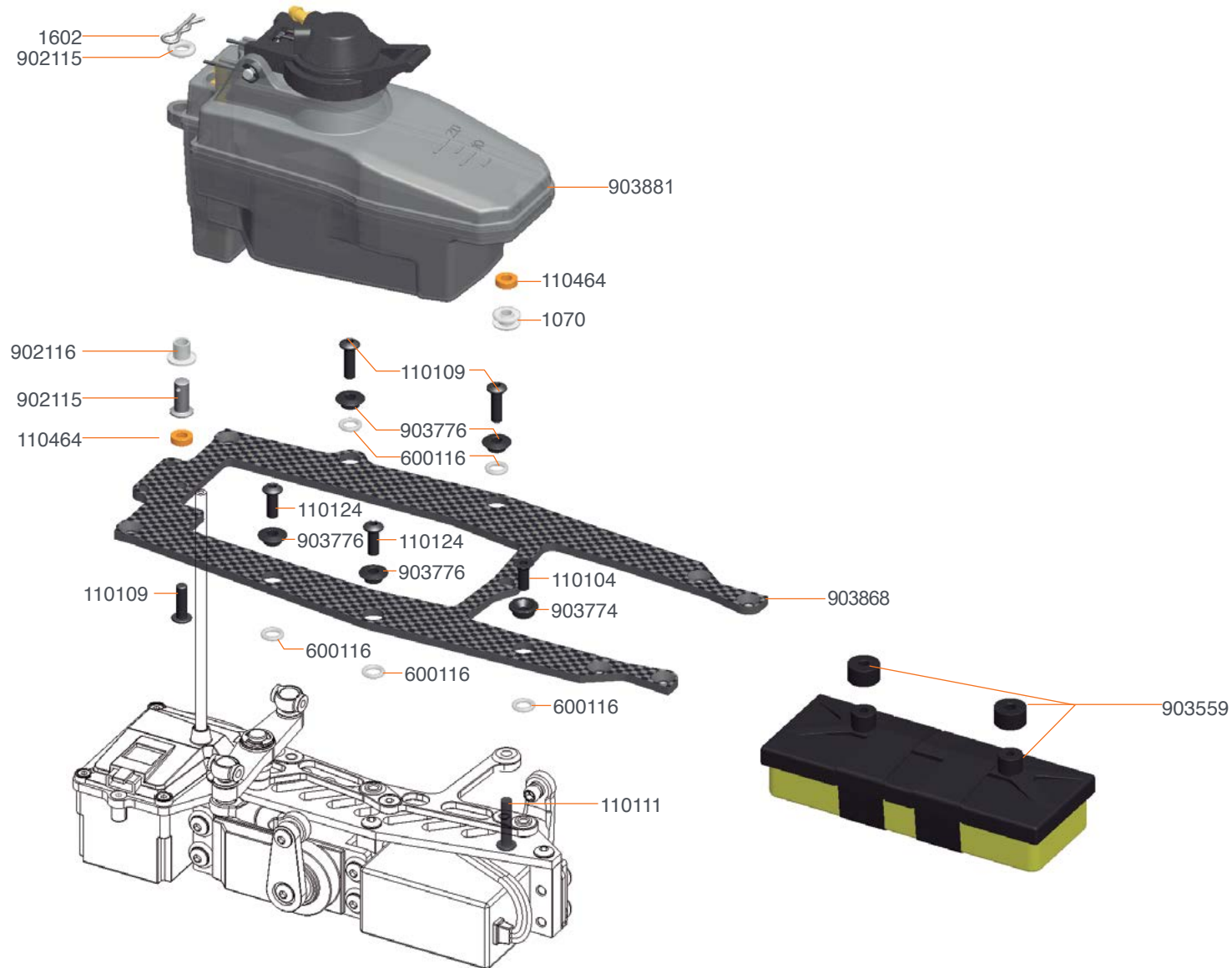
OPT



- 903589 Servosaver bottom alu (2)
- 903612 Wishbone FR up (2) hard
- 902128 Track-rod M3x65mm (2)
- 903878 Radioplate bracket brass 38gr (2) 990 EVO



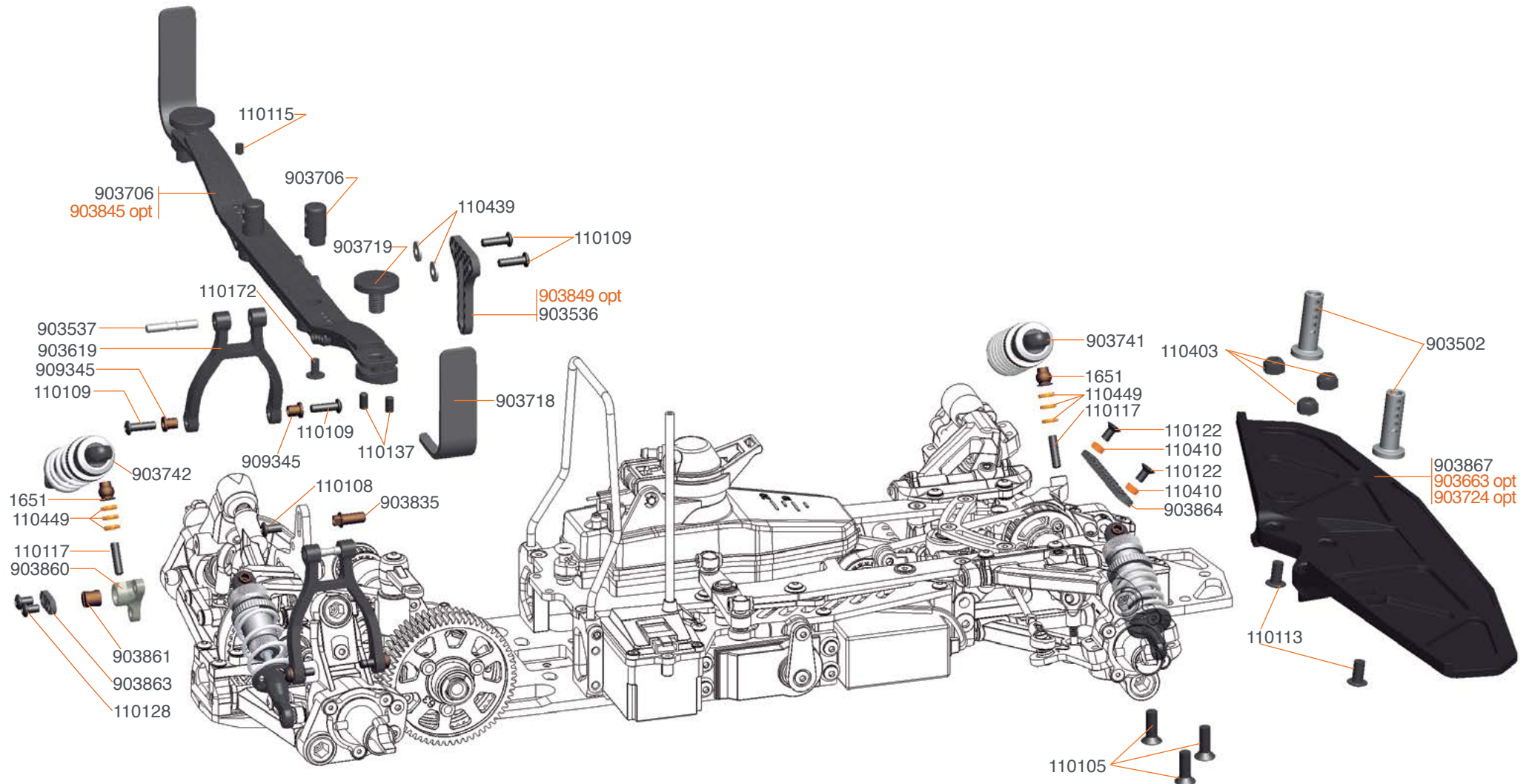
903588 Throttle lever alu
903791 Servo lever 23T alu
903792 Servo lever 24T alu
903793 Servo lever 25T alu



BUMPER AND BODYMOUNT EXPLODED VIEW

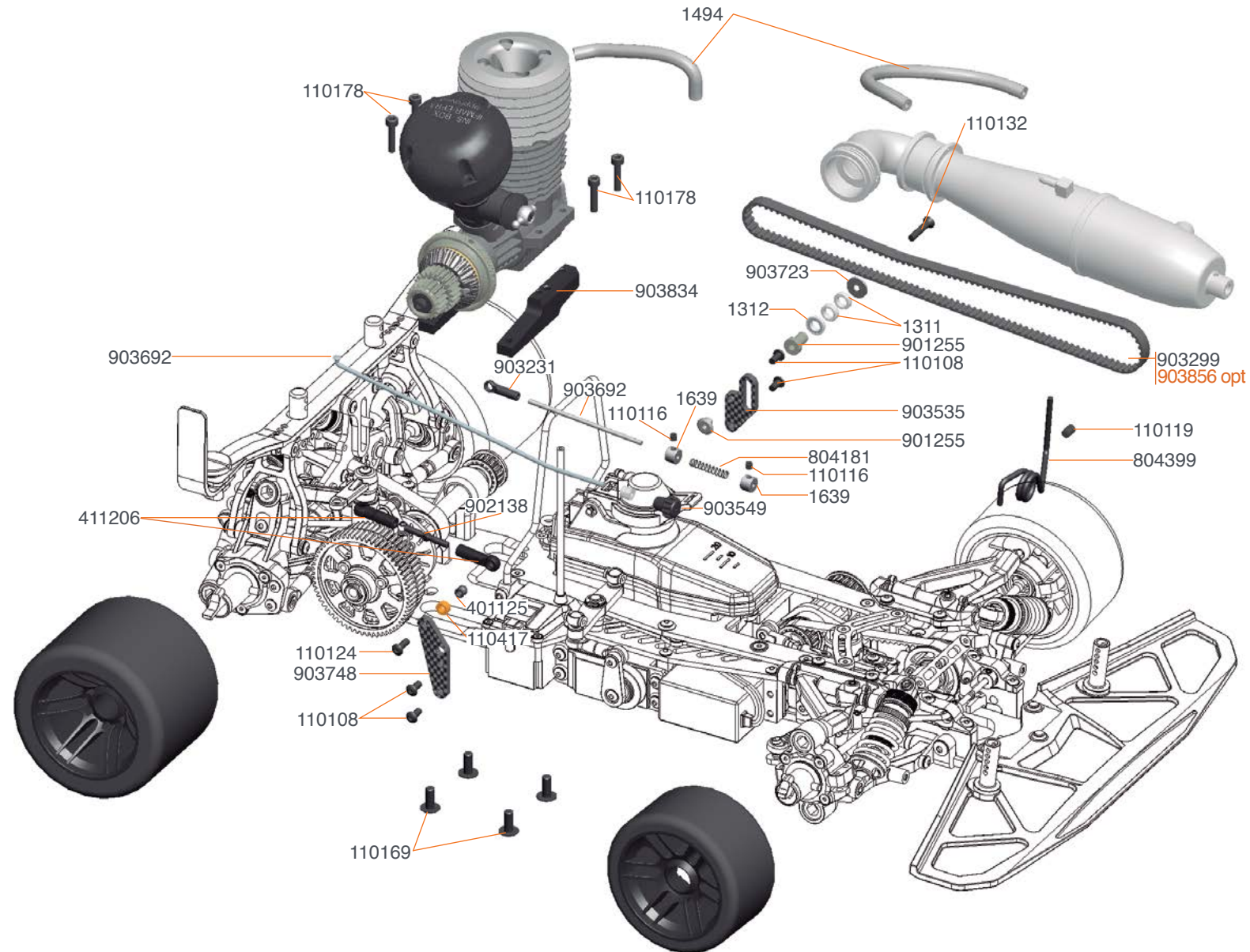
VIPER
997
EVO

SERPENT



903663 Bumper 1/8 FLOW
903664 Bumper insert set (2+2) FLOW
903724 Bumper light S989

903845 Bodymount carbon set S9XX
903849 Bodymount centerplate BB S9XX



903852 Double belt tensioner set S990
903856 Belt 60S3M432 MBL competition S9XX
903873 Chassis stiffener set 990 EVO

NOTES:

TEAM SERPENT NETWORK

990 EVO SPARE PARTS



990 EVO OPTIONALS PARTS



SERPENT TOOLS



SERPENT MERCHANDISING



SERPENT WEBSITE AND BLOG

www.serpent.com

www.teamserpent.com

www.dragon-rc.com

SERPENT PROMO PAGES <http://promo.serpent.com>

SERPENT SOCIAL MEDIA



www.facebook.com/SerpentMRC



VIPER
990
1/8 ON ROAD SCALE EVO



Manual Viper 990 Evo # 57717-1

SERPENT