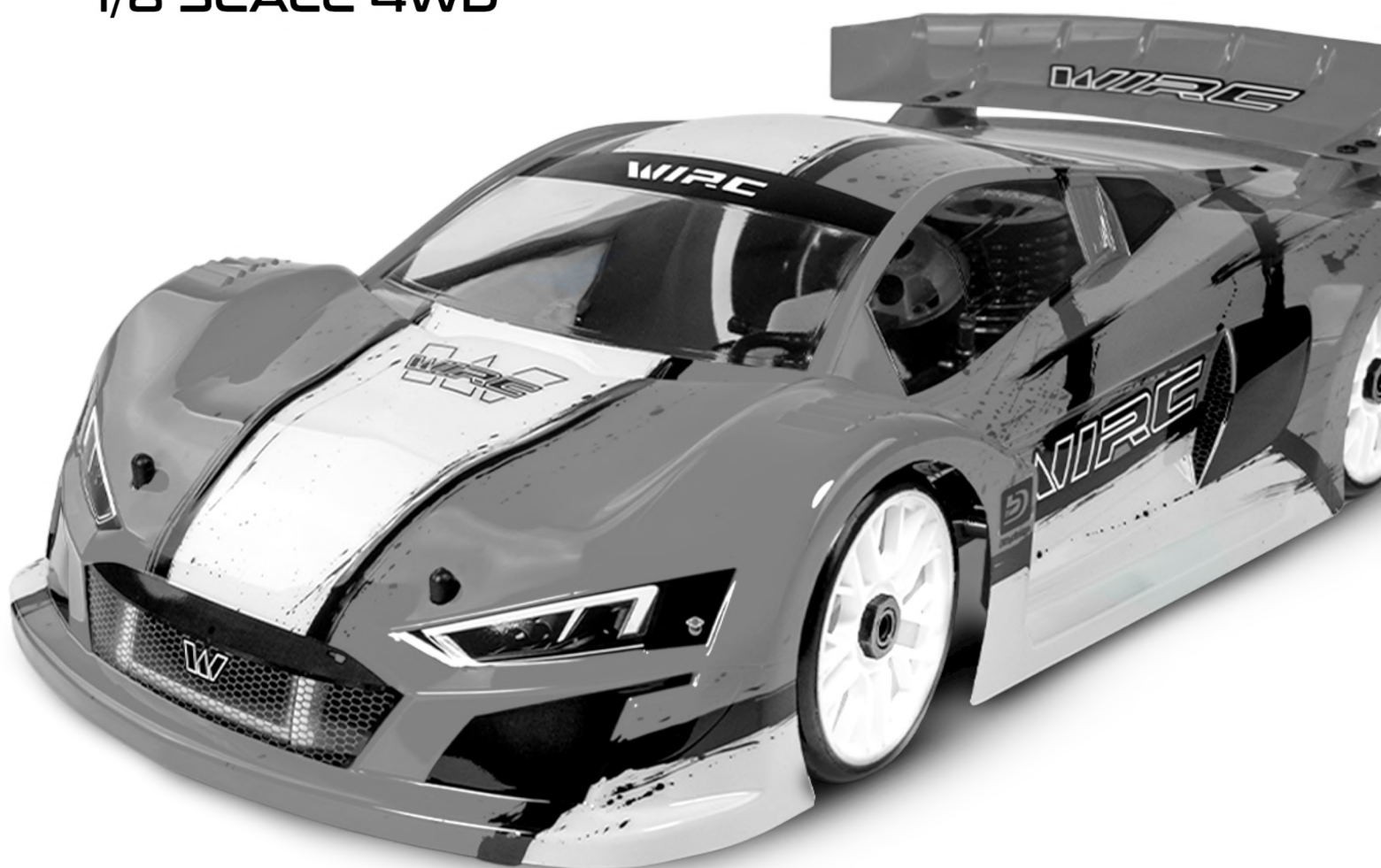


GT4R.1

NEW GENERATION RC CAR

ONROAD NITRO GT
1/8 SCALE 4WD



INSTRUCTION MANUAL

WRC
PROFESSIONAL RC CAR

WWW.WIRCRACING.COM

TECHNICAL INFORMATION

- BRAKE: Laser cut brake disk with Ferodo brake pad
- WHEELS LOCK: Lightweight 17 mm 7075 T6 Nut
- CHASSIS: 4.0 mm Swiss 7075 T6 aluminium
- RADIO PLATE: Carbon Fiber & Composite Material
- DRIVETRAIN TYPE: Spring steel CVD Driveshafts
- FRONT DIFFERENTIAL: Differential Gear
- REAR DIFFERENTIAL: Differential Gear
- SUSPENSION: Pivot ball suspension
- RIDE HEIGHT: Adjustable Front & Rear
- CAMBER: Adjustable Front & Rear
- CASTER: Adjustable Front
- TOE: Adjustable Front & Rear
- ROLLCENTER: Adjustable Front & Rear
- ACKERMANN: Adjustable Front
- ANTI-ROLL BARS: Adjustable Front & Rear

TECHNICAL DATA

- WIDTH310 mm
- WHEEL BASEadjustable 315-320 mm
- WEIGHT READY TO RUN3500g
- FUEL TANK.....150cc
- TWO SPEED GEAR BOX
- 4 SHOES EXPANSION CLUTCH

ADDITIONAL ITEMS NEEDED FOR COMPLETION

REQUIRED BUT NOT INCLUDED IN THE KIT



ENGINE AND MUFFLER



TRANSMITTER



RECEIVER



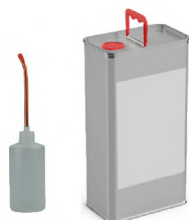
1 STEERING SERVO
1 THROTTLE/BRAKE SERVO



BATTERIES
FOR TRANSMITTER
AND RECEIVER



WHEEL - TYRES - INSERTS



FUEL AND FUEL PUMP



STARTER GLOW
PLUG IGNITER



STARTER



BODY

TOOLS REQUIRED

THESE TOOLS ARE NOT INCLUDED IN THE KIT BUT ARE REQUIRED FOR PROPER ASSEMBLY



ALLENS:
1.5 mm 2 mm
2.5 mm 3 mm



SOCKET
5mm



SIDE CUTTERS



COMBINATION PLIERS



TOOL FOR
TURNBUCKLES/NUTS



WHEEL NUT TOOL
17mm



GREASE



OILS:
5000 CST
BEARING OIL

NOTICE:

THESE ITEMS ABOVE ARE NEEDED FOR COMPLETION OF THE GT4R; THEY ARE NOT INCLUDED IN THIS KIT (UNLESS NOTED) AND SHOULD BE OBTAINED FROM YOUR LOCAL HOBBY SHOP.
BE SURE TO READ THE INSTRUCTION COMPLETELY PRIOR TO ASSEMBLY



INTRODUCTION

GT4R is a new generation high quality 1/8 scale GT nitro car.
GT4R is supplied in a box, you can download the Instruction manual from www.wircracing.com
Its use is intended for more than 16 years old persons with experience on rc model car field.
Children and all the persons without this requirement MUST have direct supervision of a knowledgeable adult responsible.

SAFETY PRECAUTIONS

Instruction Manual MUST be read and fully understood before to start building and operating functions.
Always keep Instruction Manual in safety place, ready to be consulted for any reference you need.
Use only original WIRC spare parts.

GENERAL INFORMATION

Assemble the kit only away from the reach of children.
Follow the building and operating instructions using the utmost care.
Don't put any part of your body inside rotating and moving elements as this may cause damage or serious injury.
Check and clean the model before putting it away.
Don't use your model car in public places or in roads and areas where it could generate conflict with person or vehicular traffic.
The model car is controlled by radio: you MUST put great care to avoid loss of radio control always keeping a safety margin all around your model in order to prevent any collision.
Operating frequency: check and be sure it is clear and not shared with anybody at same time; it could cause loss of control of the RC model.
Always turn on your transmitter before you turn on the receiver in the car and always turn off the receiver before you turn off your transmitter.
Keep the wheels of the model off the ground when checking the operation of the radio equipment.
Disconnect the battery pack before storing your model.

WARRANTY

WIRC guarantees this model kit to be free from defects in both material and workmanship within 30 days of purchase.
The total monetary value under warranty will in no case exceed the cost of the original kit purchased.
This warranty doesn't cover any components damaged by use or modification or as result of wear.
Part or parts missing from this kit must be reported within 30 days of purchase.
No part or parts will be sent under warranty without proof of purchase.
If you find a defective or missing part, contact the local distributor.
Customer service and support will be provided through local hobby store.
No warranties are expressed or implied that cover damage caused by what is considered normal use or cover or imply how long any model cars' components or electric components will last before requiring replacement.
Due to the high performance level of this model car you will need to periodically maintain and replace consumable components; any and all warranty coverage will not cover replacement of any part or component damaged by neglect, abuse or improper or unreasonable use.
This includes but is not limited to damage from crashing, excessive moisture, improper use or no maintenance or user modifications which compromise the integrity of components.
Warranty will not cover components that are considered consumable on RC model car.
WIRC doesn't pay nor refund on any component sent from WIRC or its distributor for warranty.
WIRC reserves the right to make final determination of the warranty status of any component or part.
Use only original WIRC spare parts.

CUSTOMER SUPPORT

Please don't hesitate to contact WIRC support at info@wircracing.com for any problem or question.

Also kindly visit our website www.wircracing.com to find last updates, set-up, option parts and other informations.

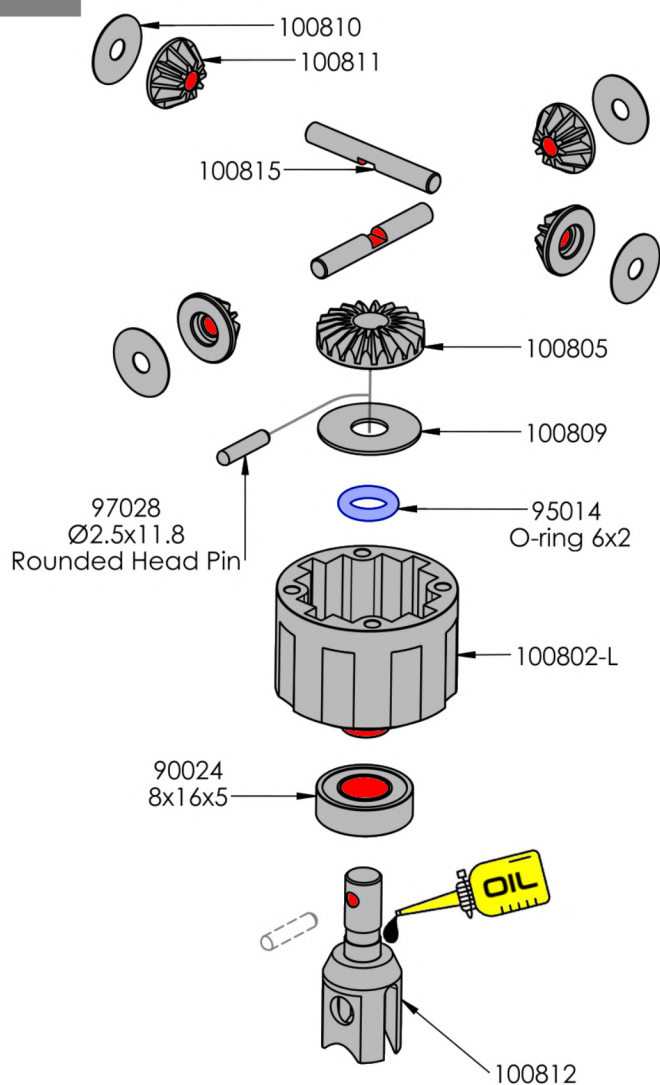
World racing car s.r.l.

Via A. Volta 2 Bis
36040 Brendola (VI)
ITALY

Phone: 0039 0444 1792263
E-mail: sales@wircracing.com
Website: www.wircracing.com



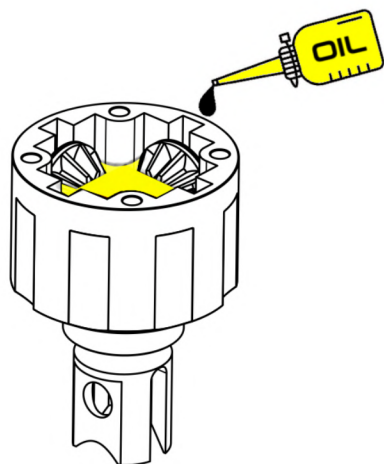
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2

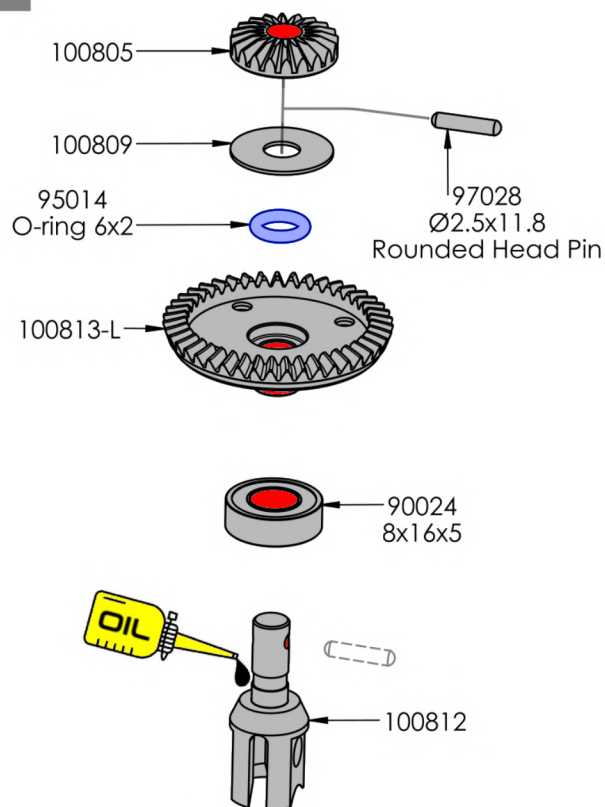
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Type: 1000000 cst
Weight: 3g



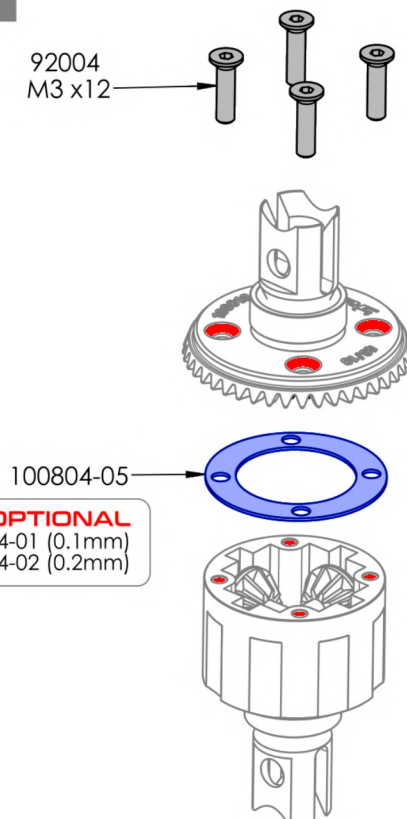
Fill the differential up to the top of the pin. **DO NOT** fill the diff. to the top of the housing.

3



4

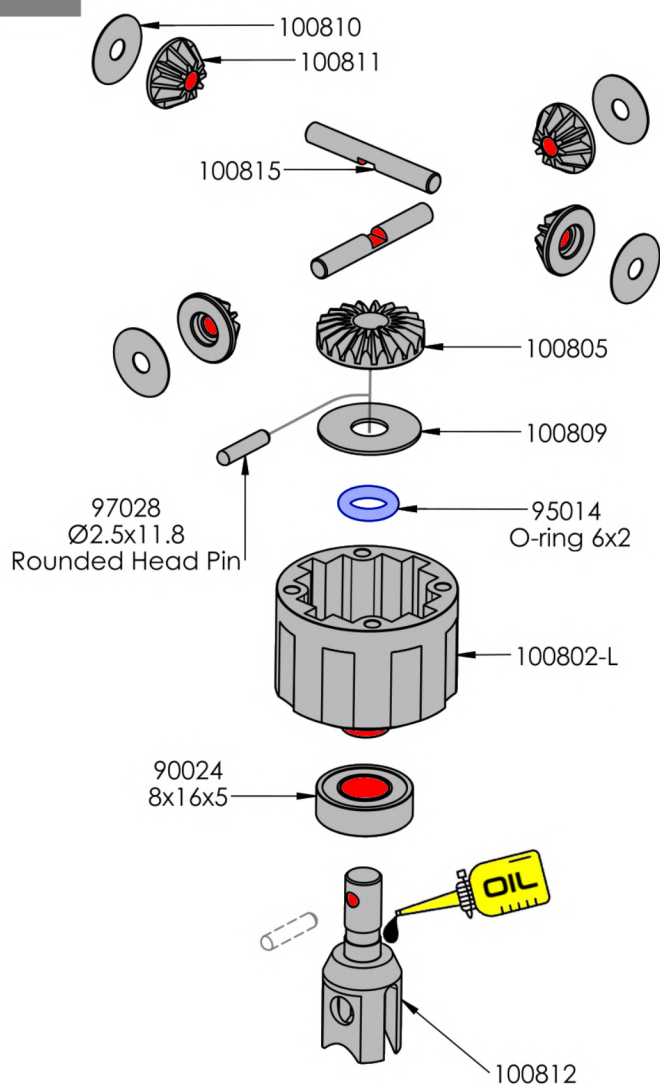
92004
M3 x12



OPTIONAL

100804-01 (0.1mm)
100804-02 (0.2mm)

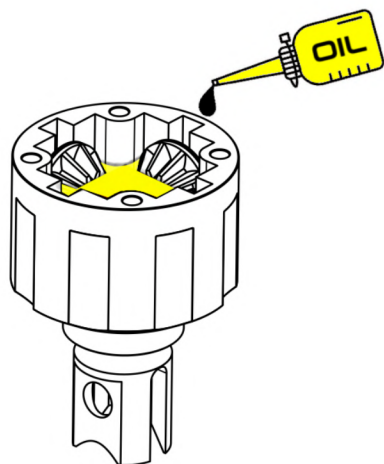
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2

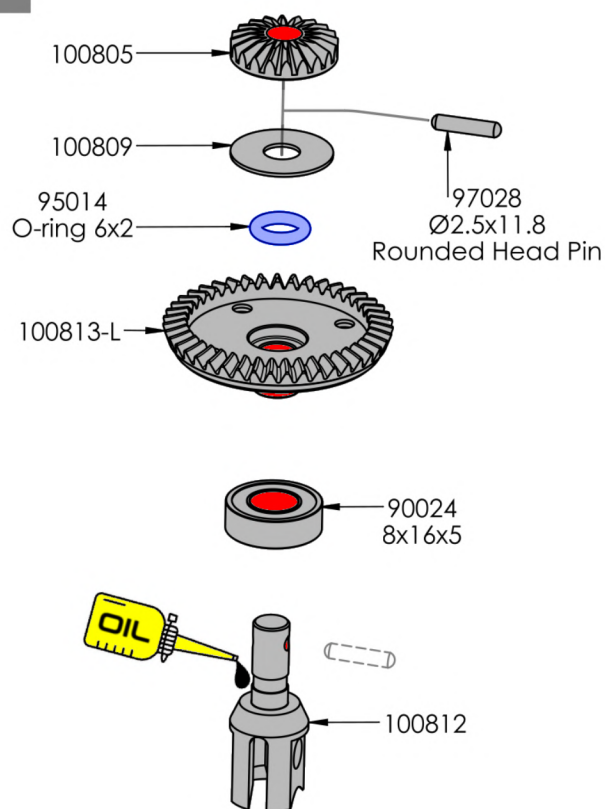
DIFFERENTIAL OIL :

Type: 20000 cst
Weight: 3g



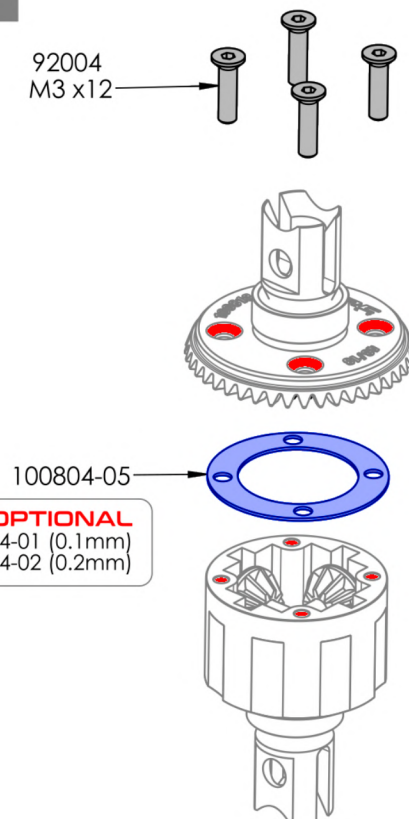
Fill the differential up to the top of the pin. **DO NOT** fill the diff. to the top of the housing.

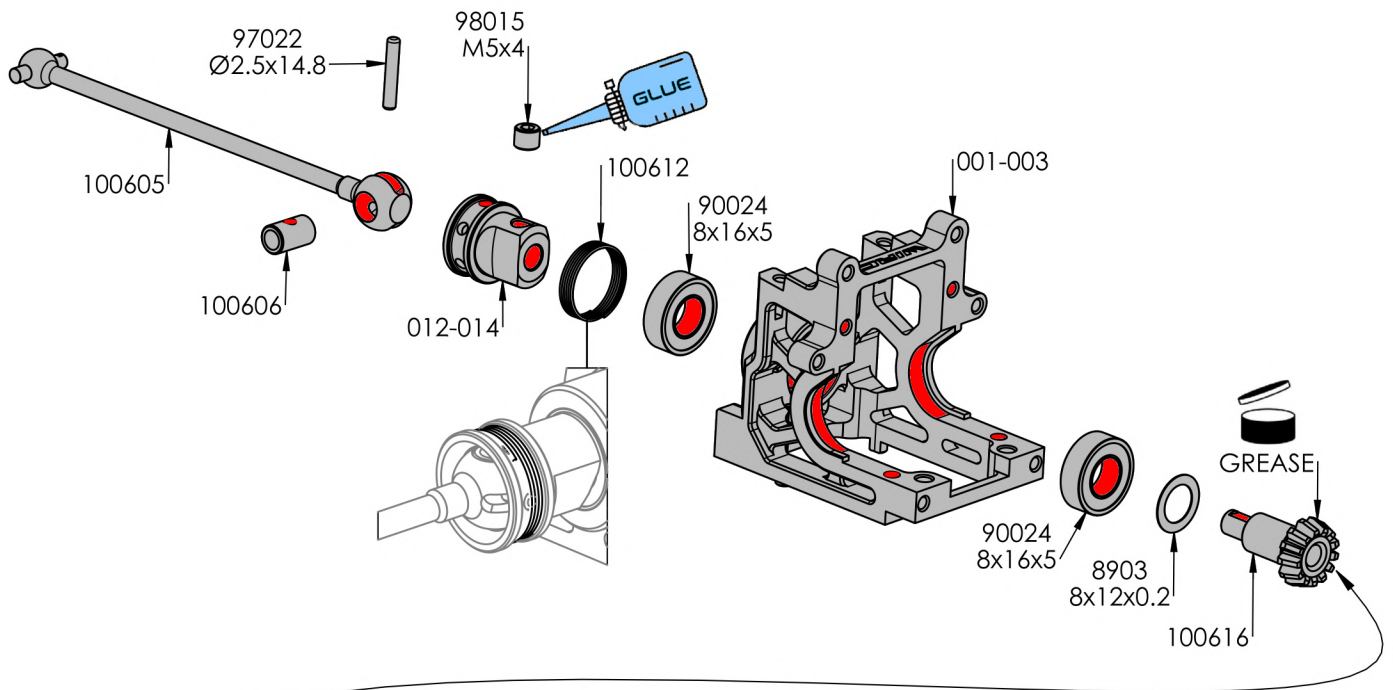
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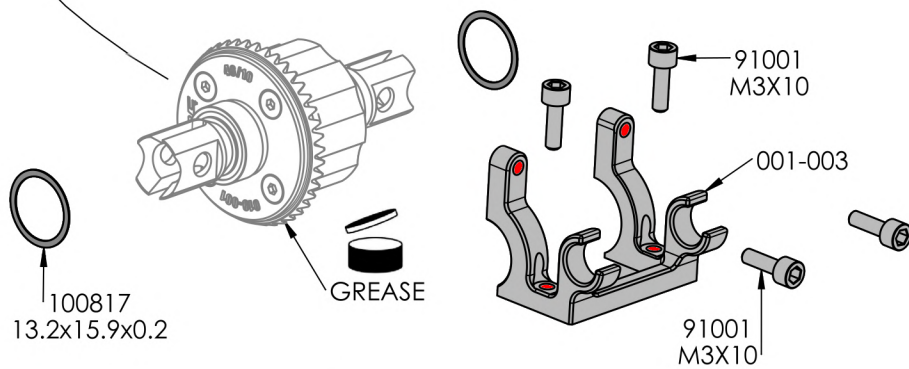
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92004
M3 x12



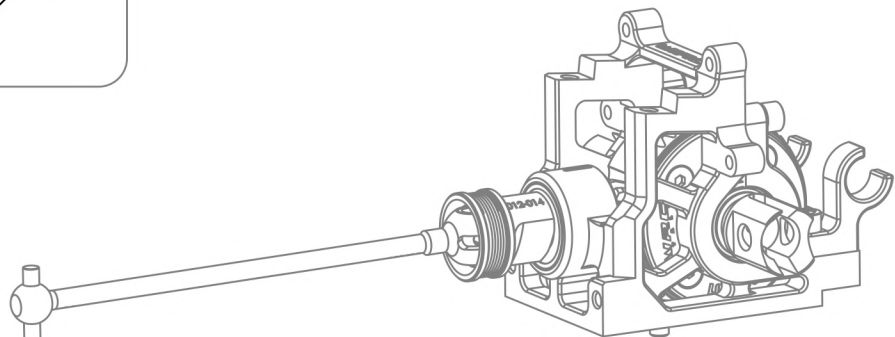
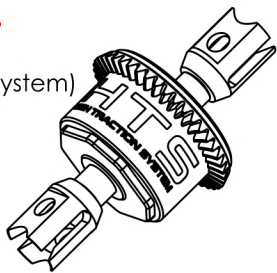


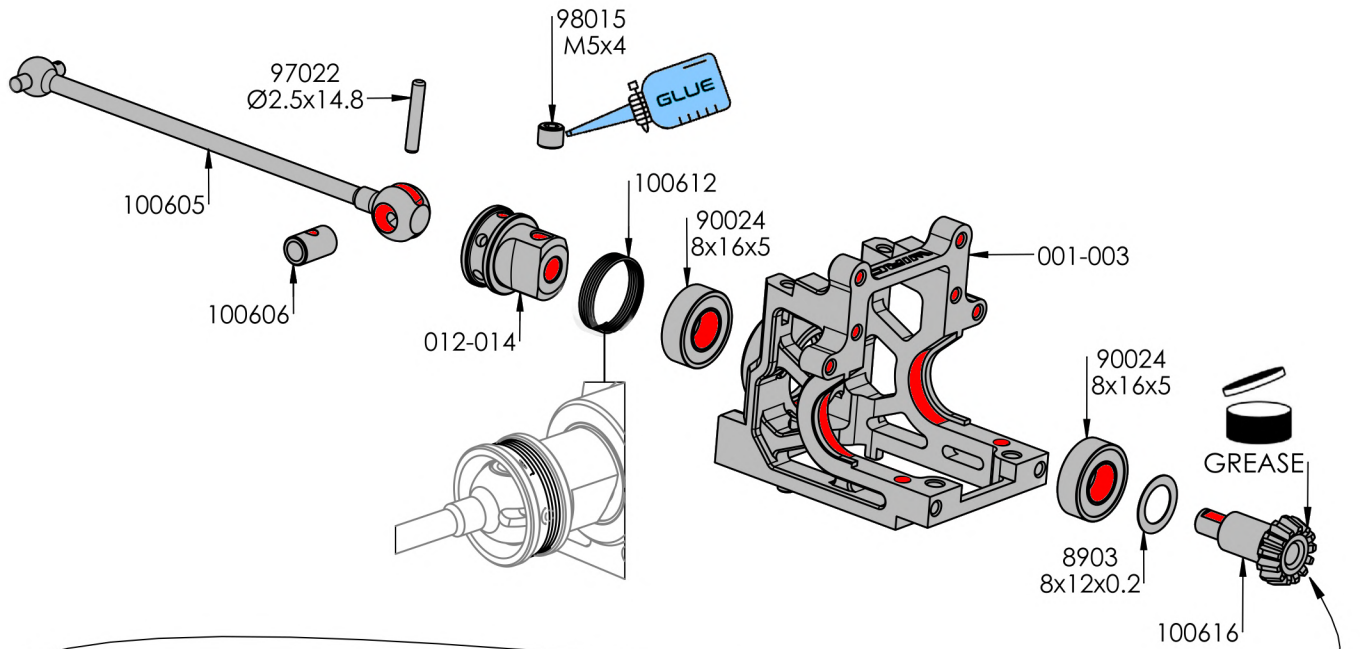
Use shims to adjust play
between diff. and housing
Leave 0.2mm of free play!



OPTIONAL

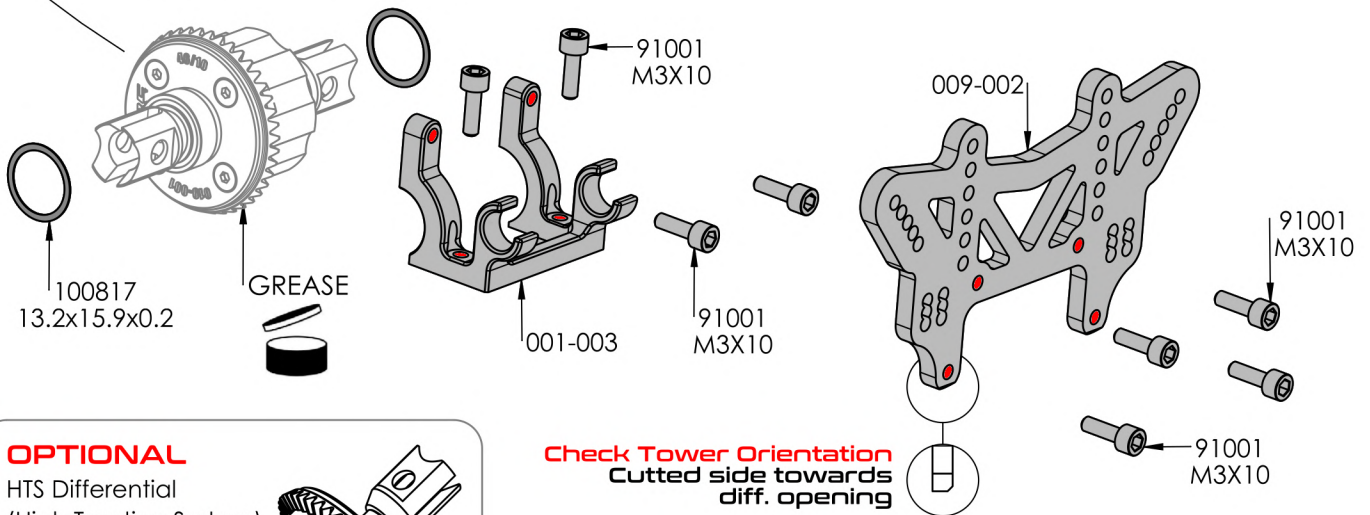
HTS Differential
(High Traction System)
018-000





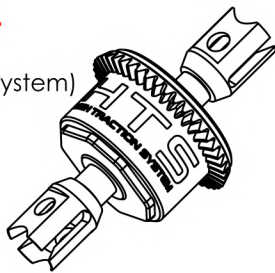
Use shims to adjust play
between diff. and housing

Leave 0.2mm of free play!

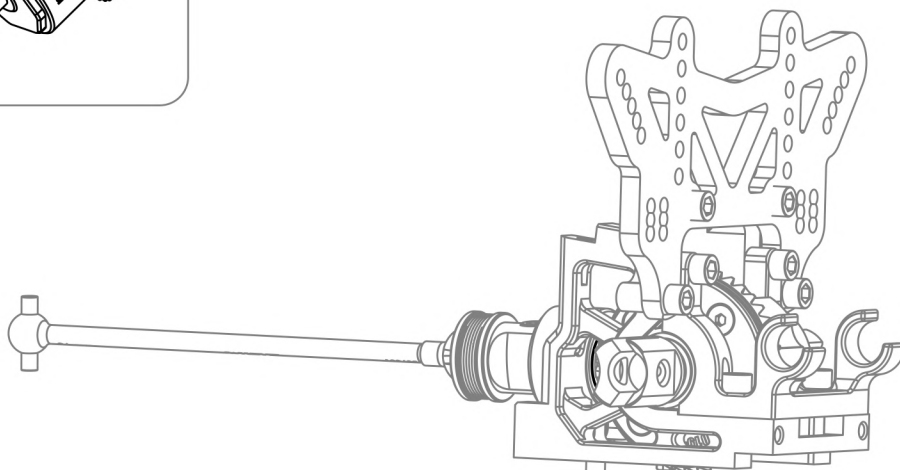


OPTIONAL

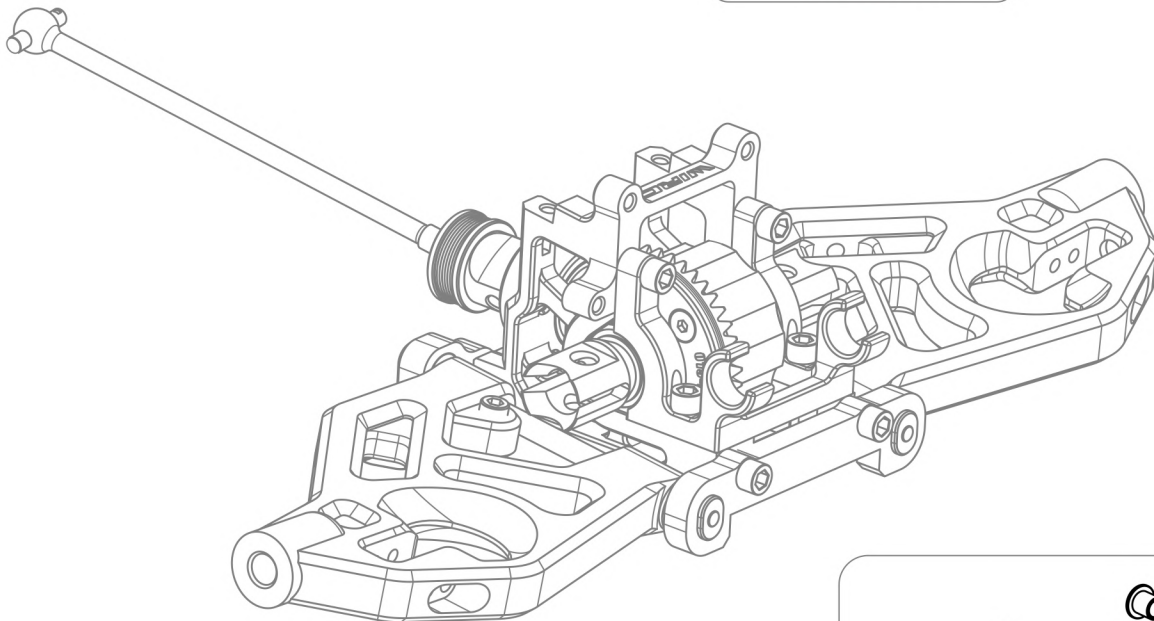
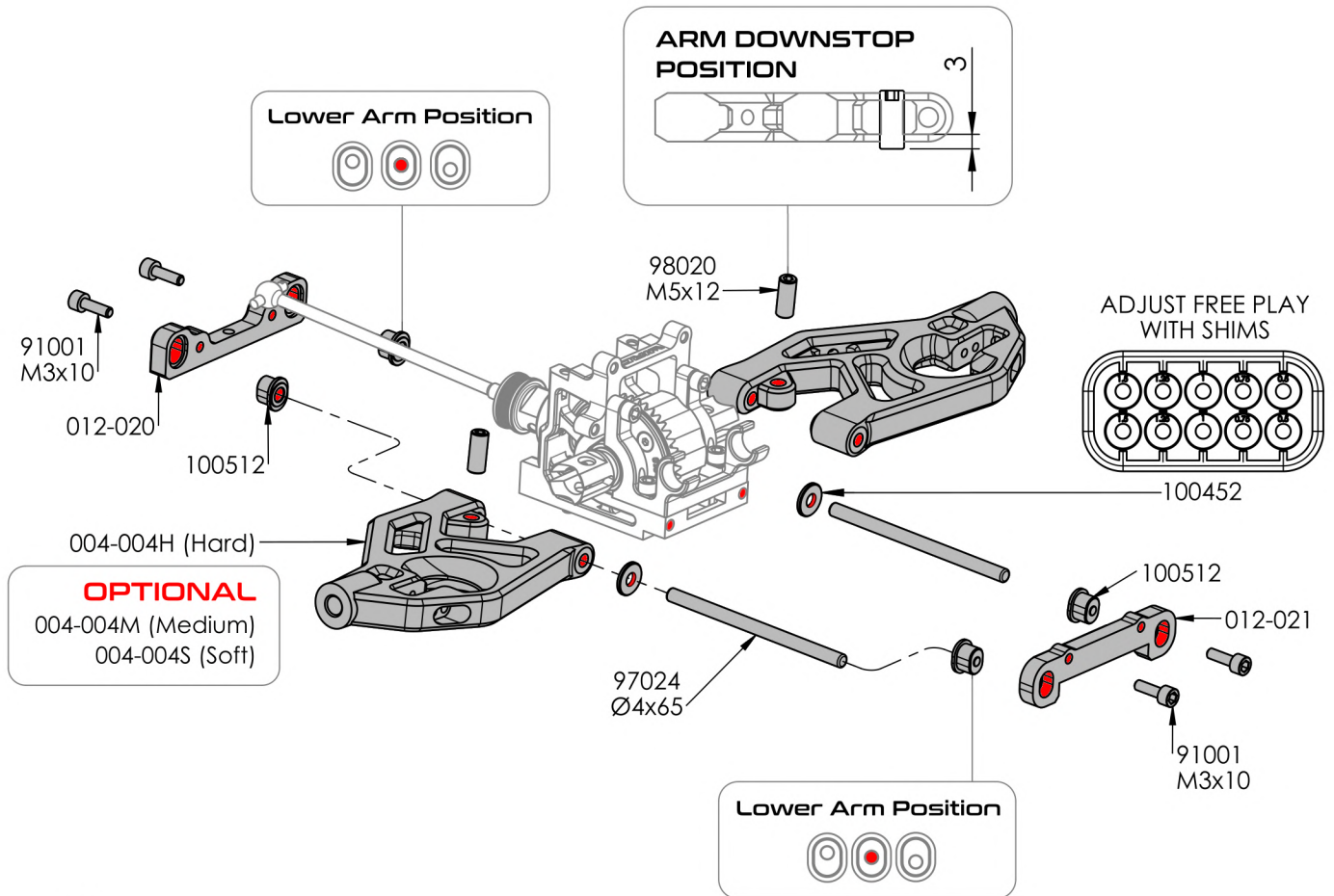
HTS Differential
(High Traction System)
018-000



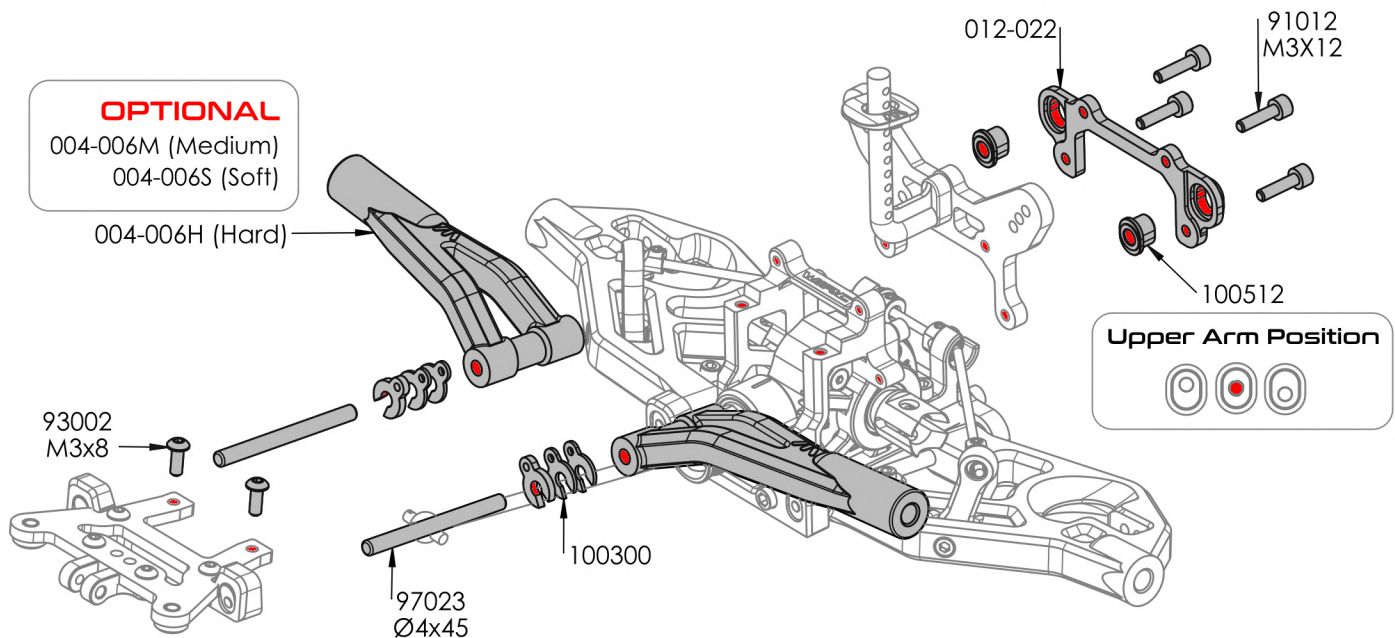
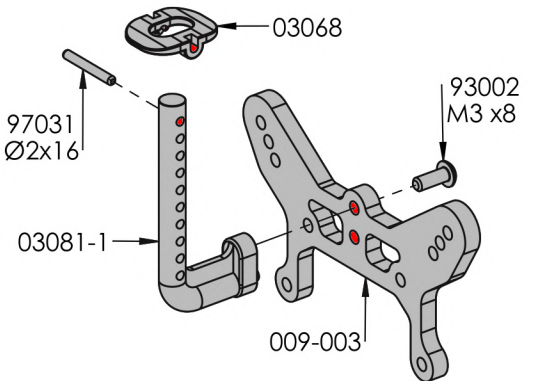
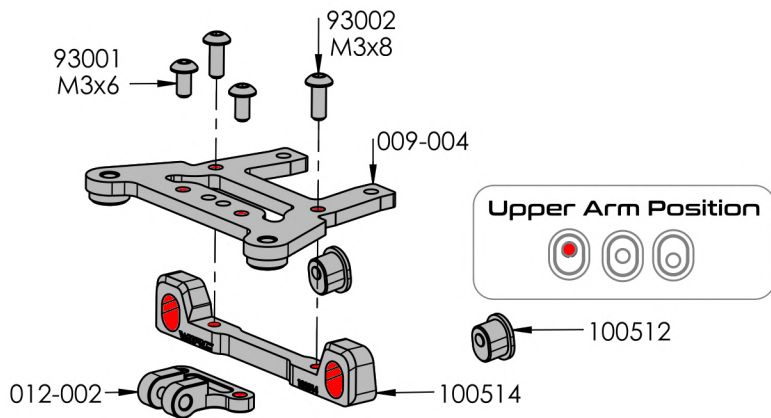
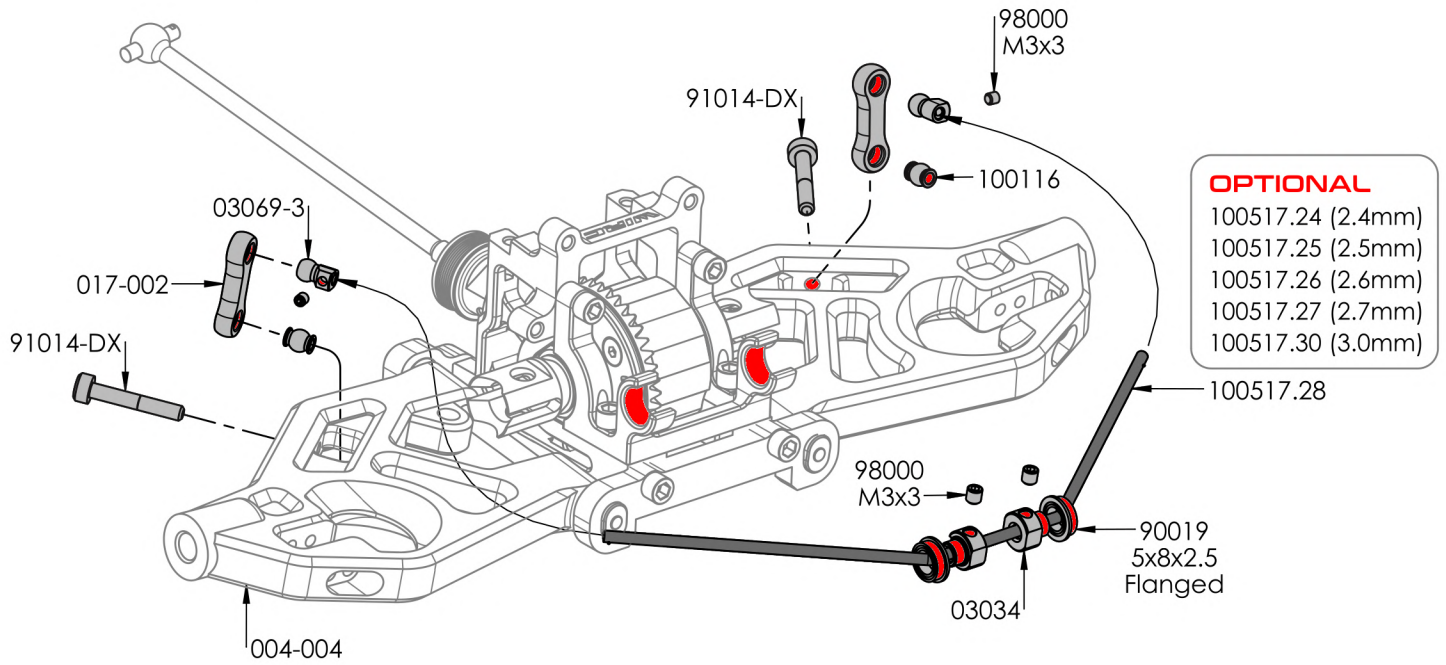
Check Tower Orientation
Cutted side towards
diff. opening



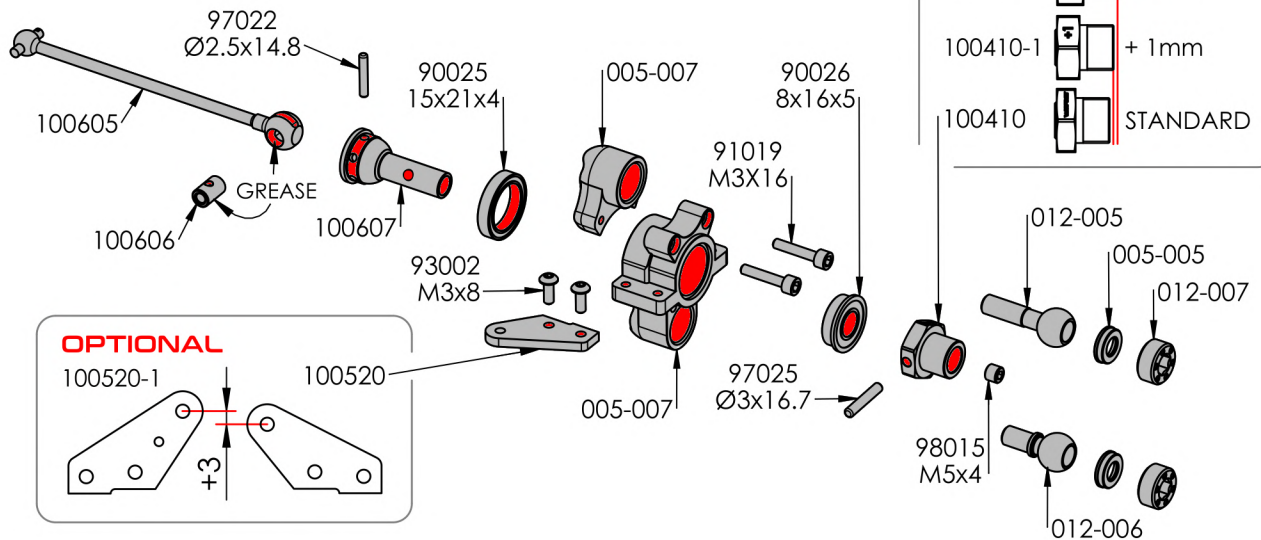
Front Suspension



Front Suspension

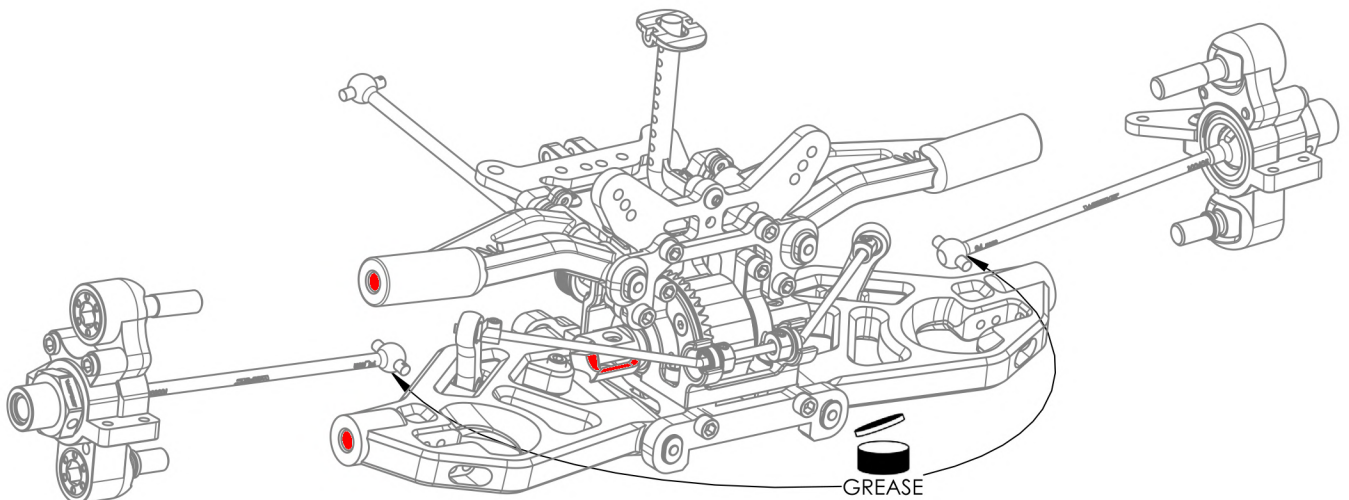
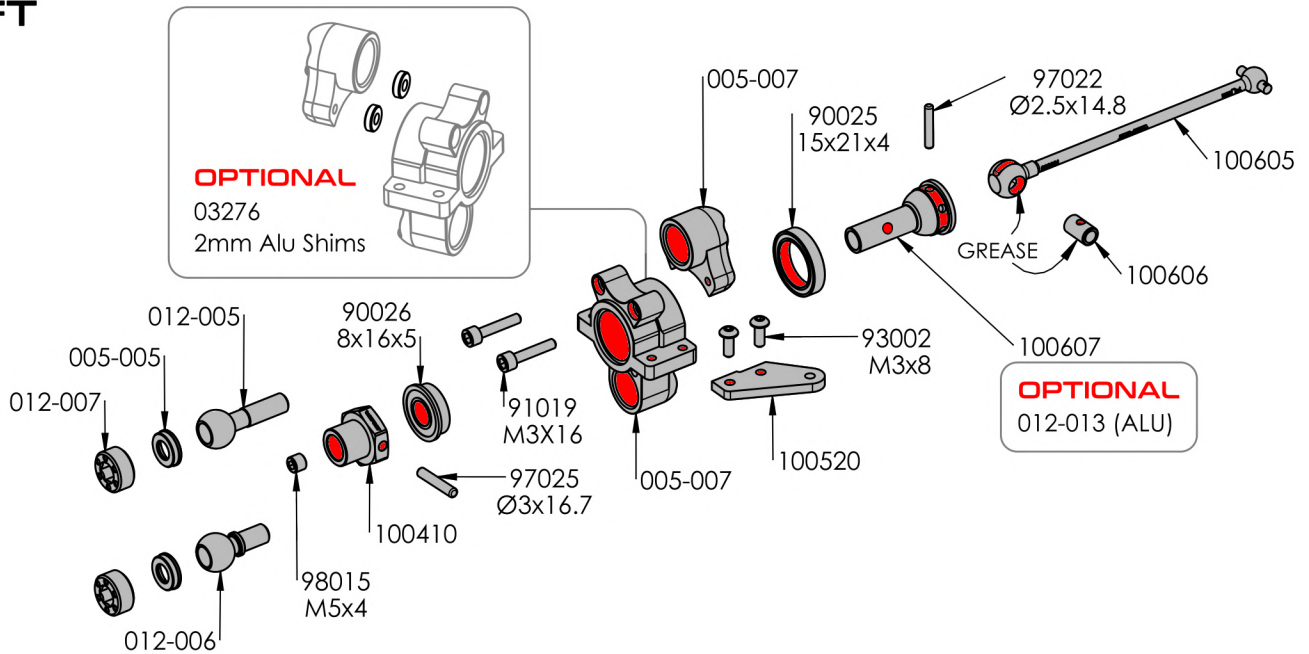


Front Upright

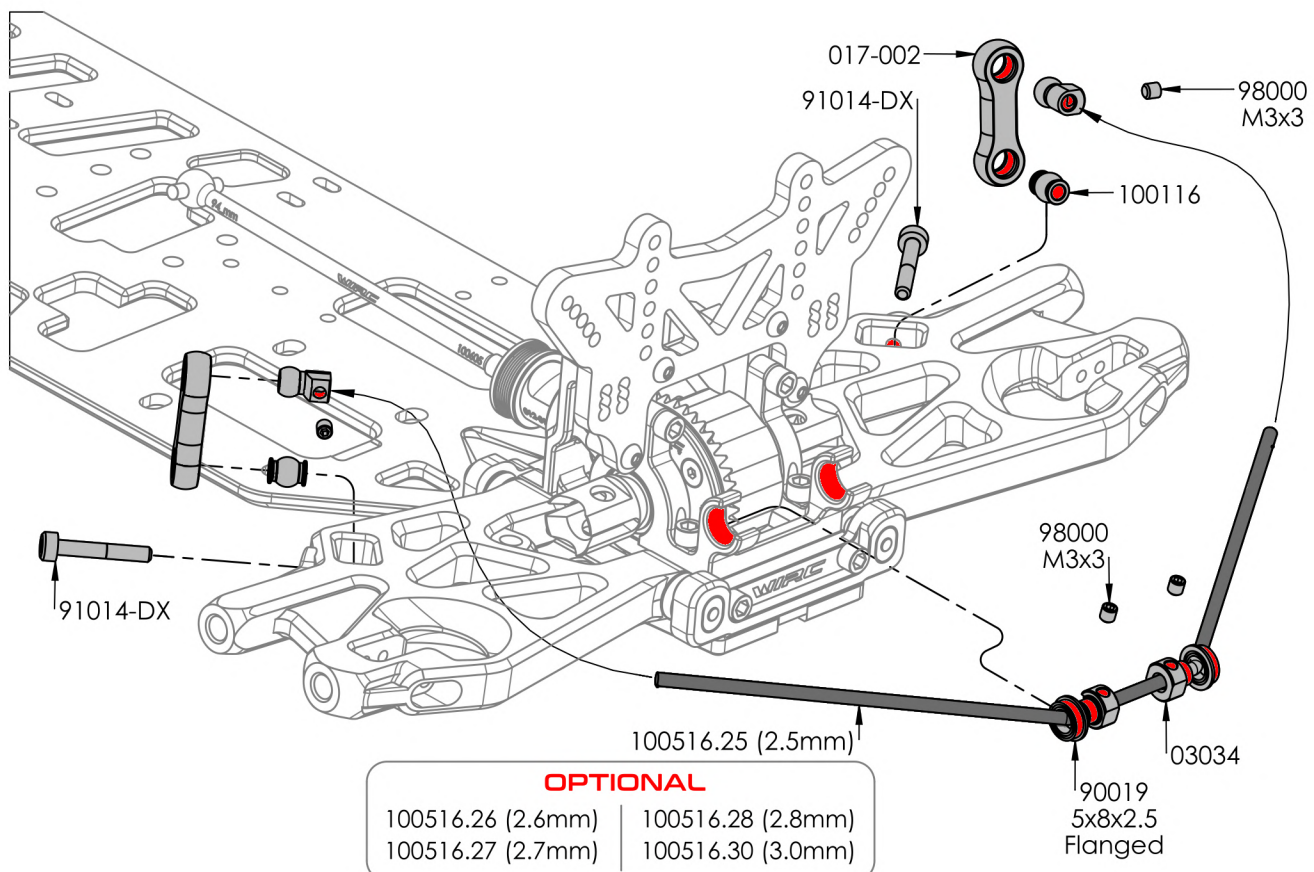
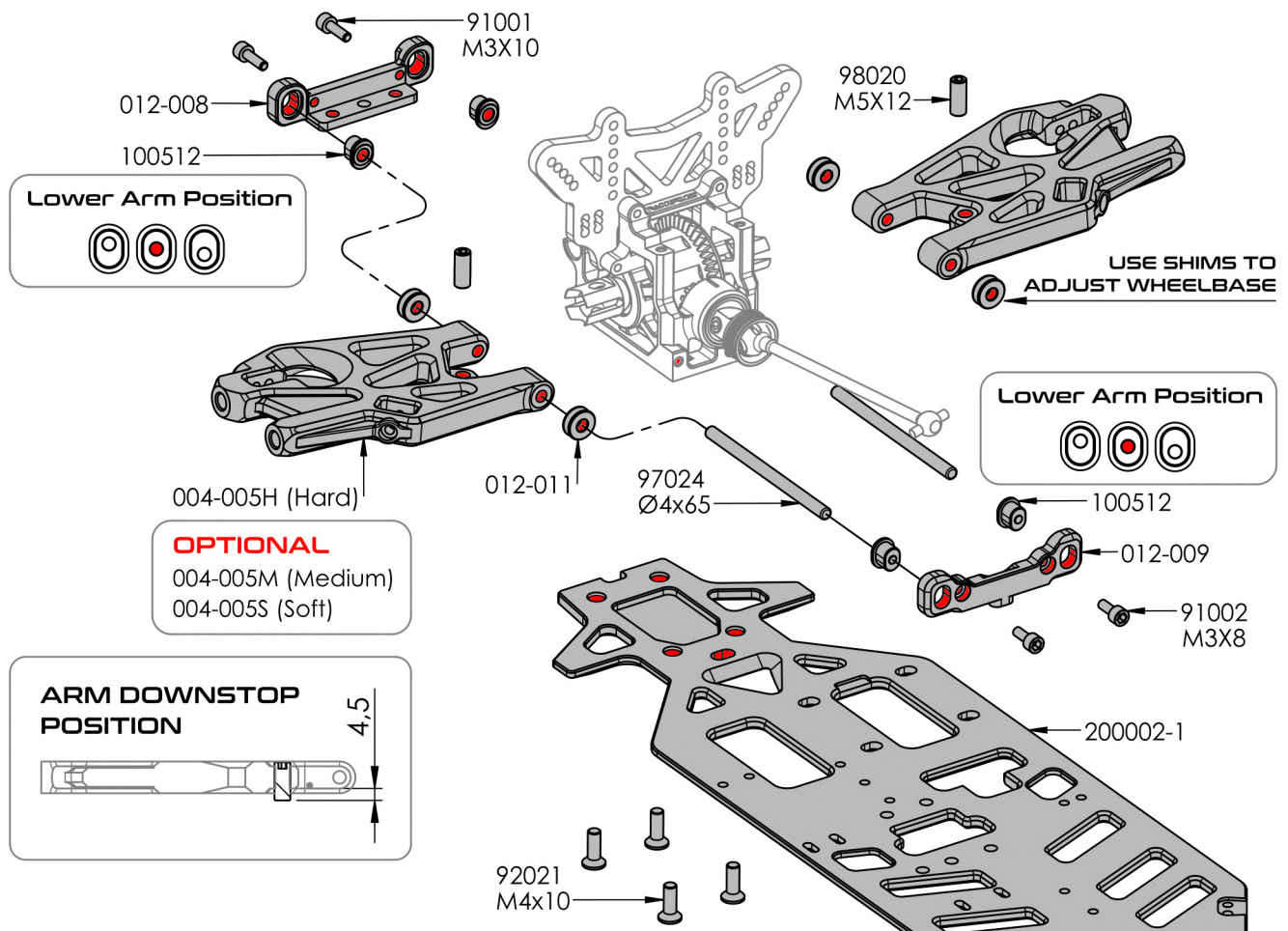


RIGHT

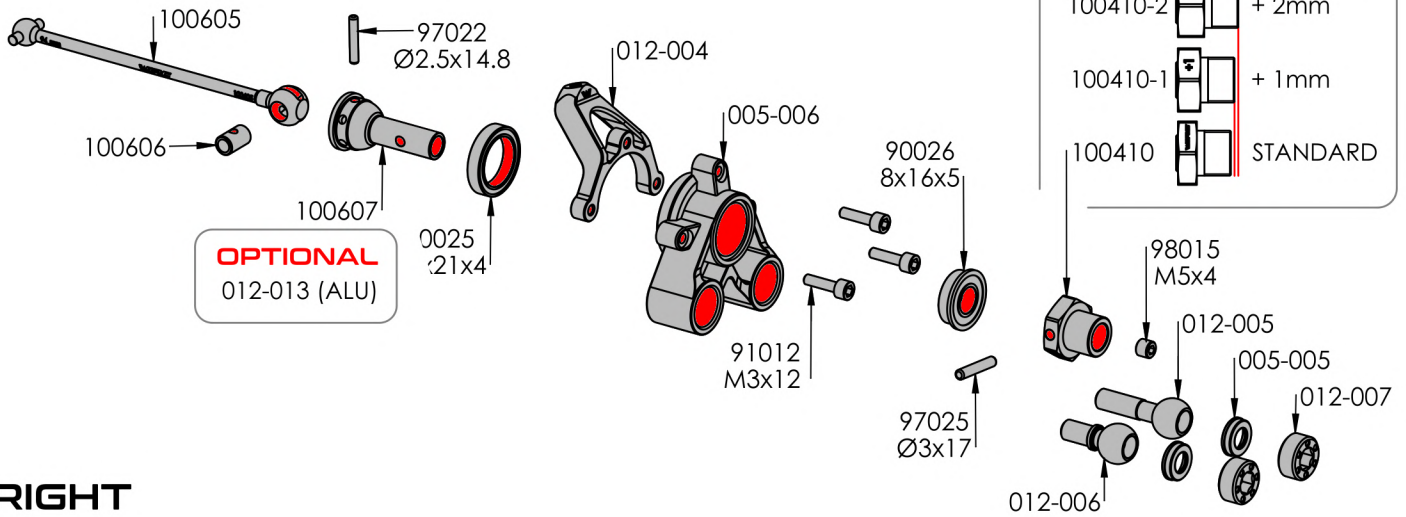
LEFT



Rear Suspension

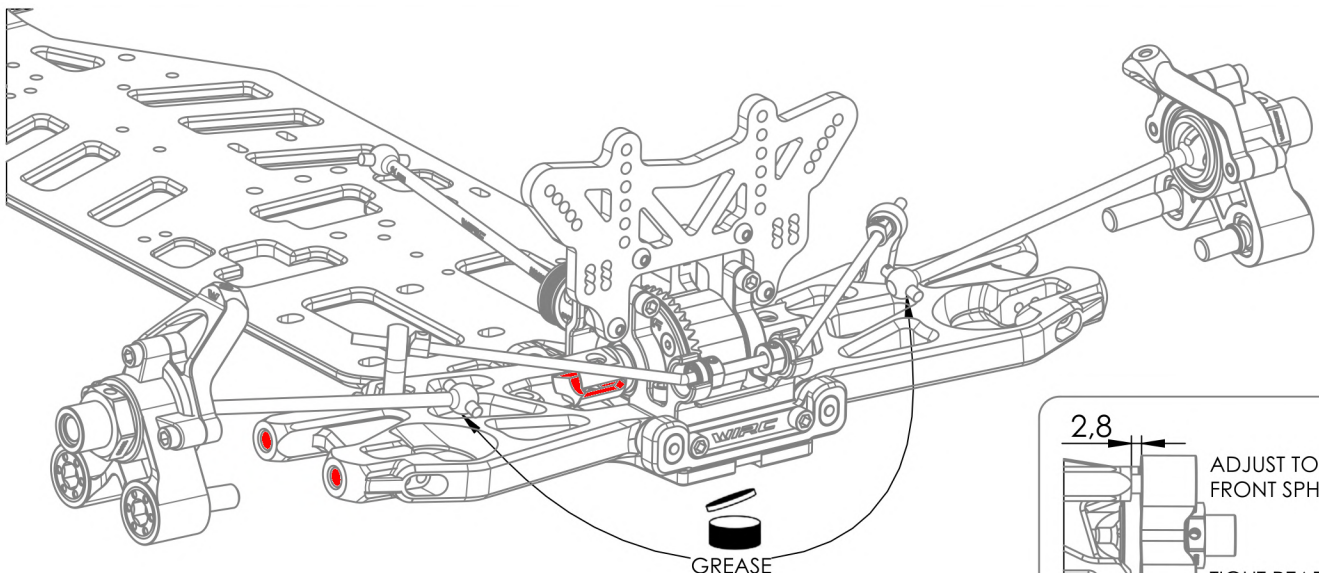
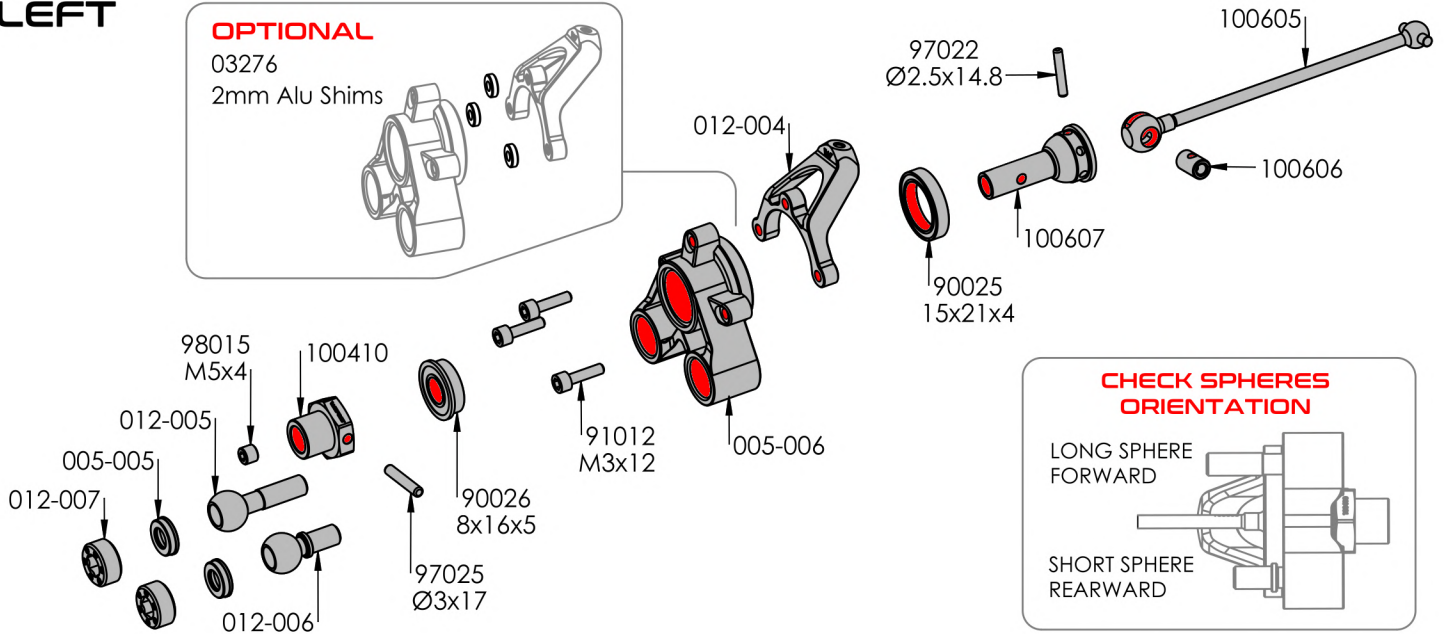


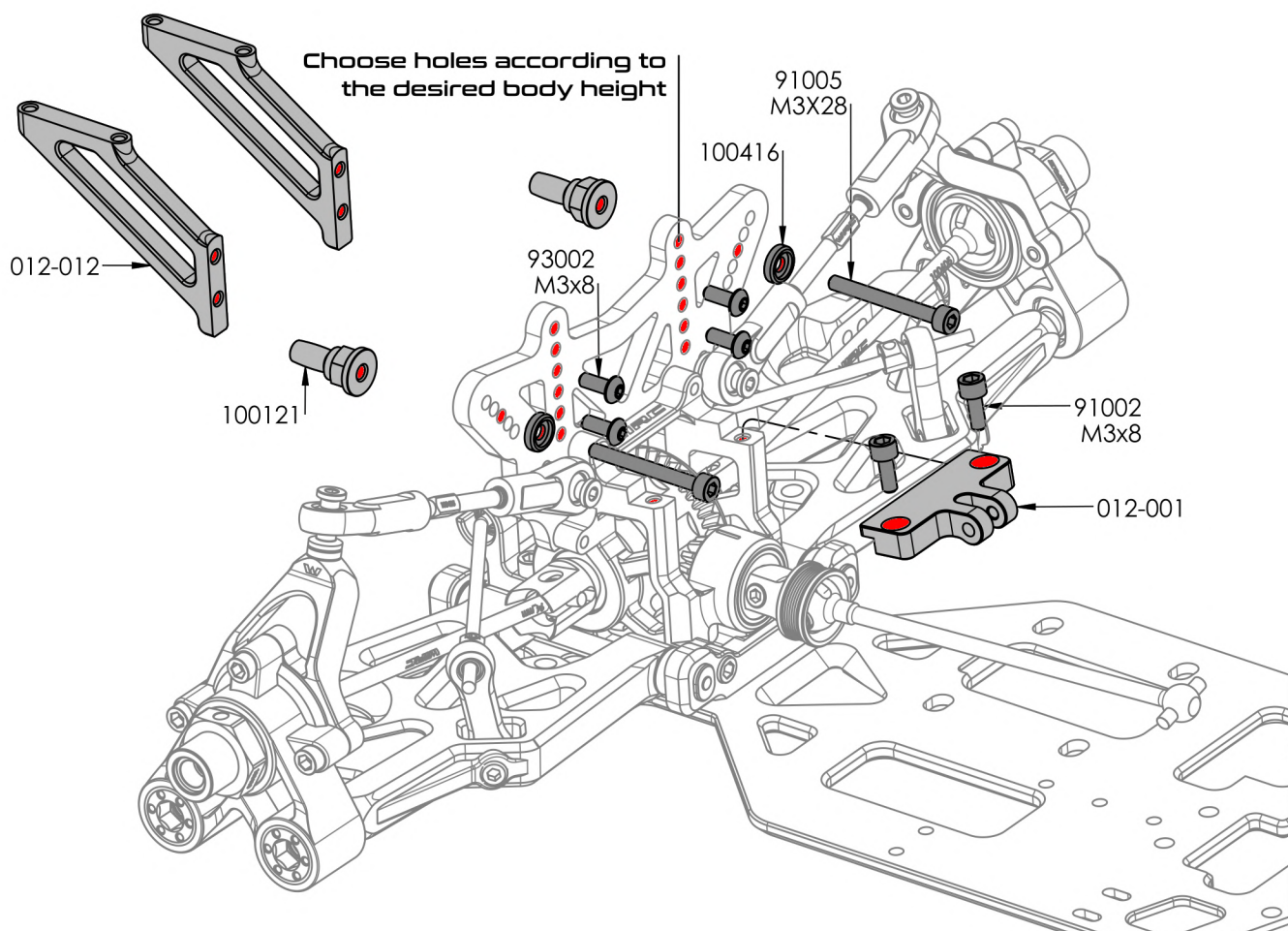
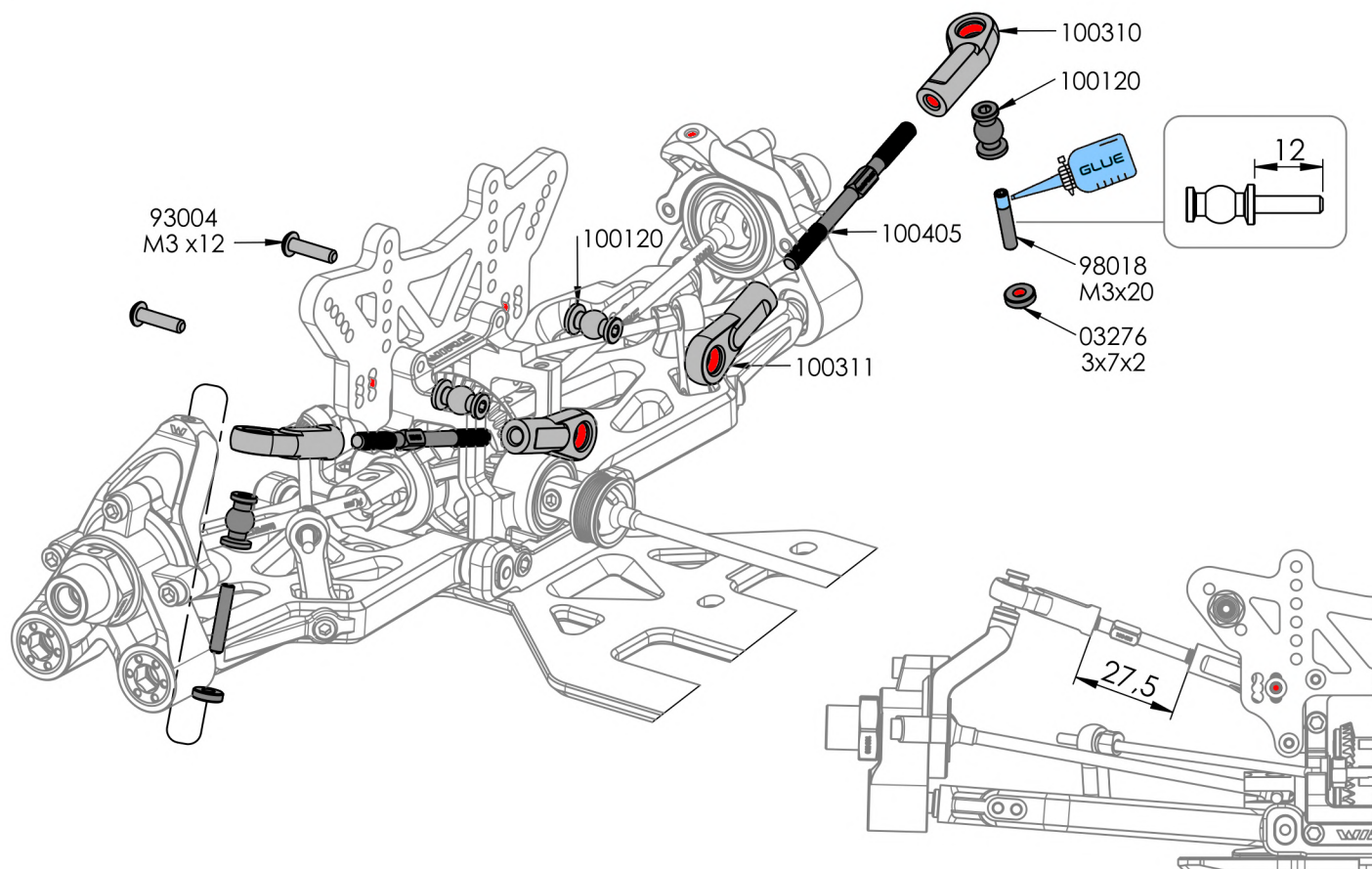
Rear Suspension

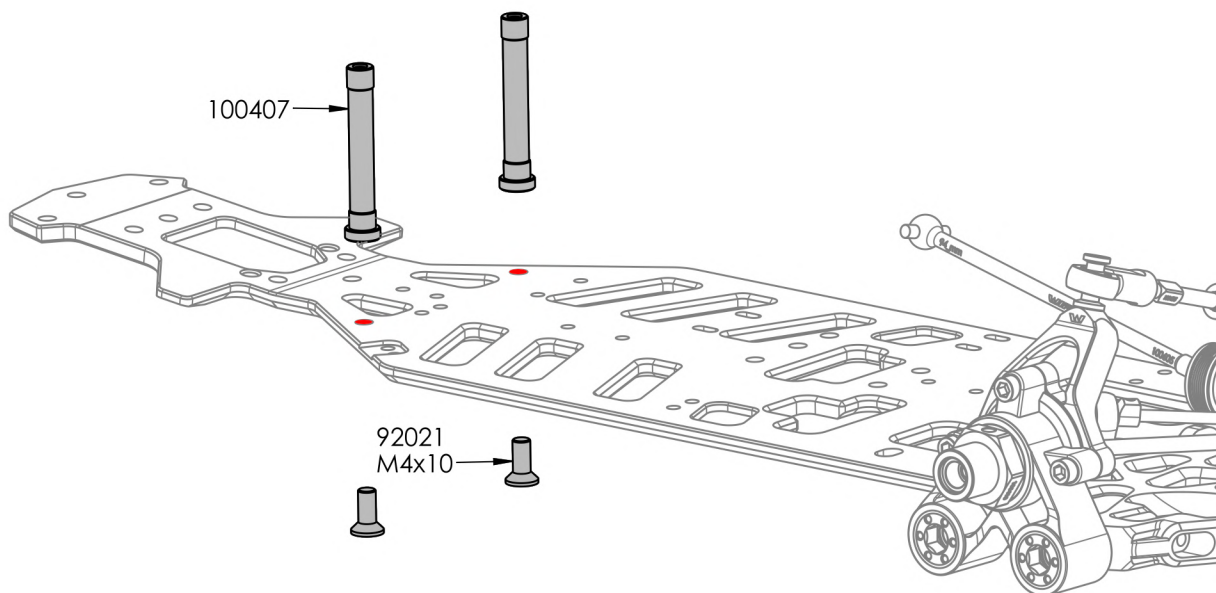


RIGHT

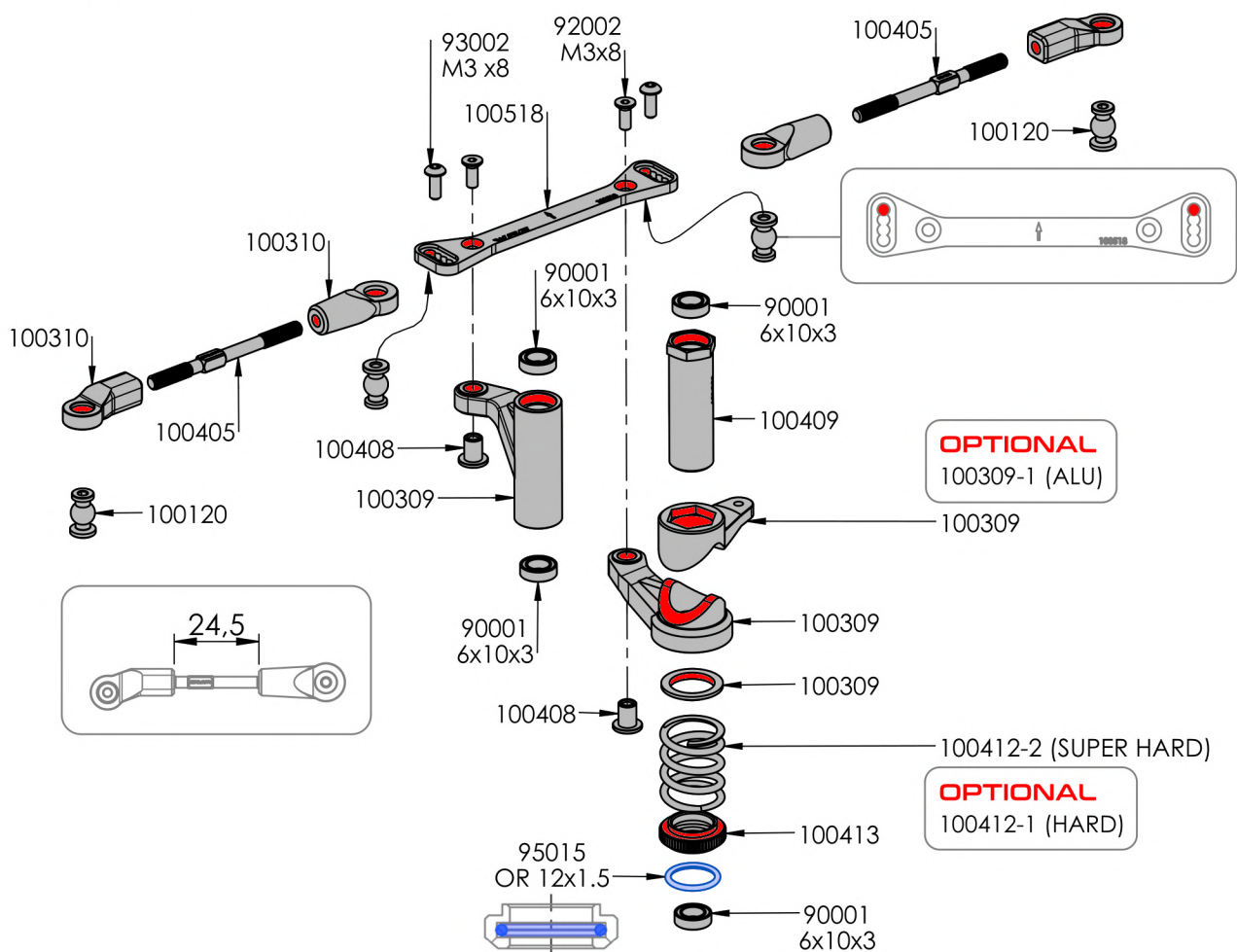
LEFT

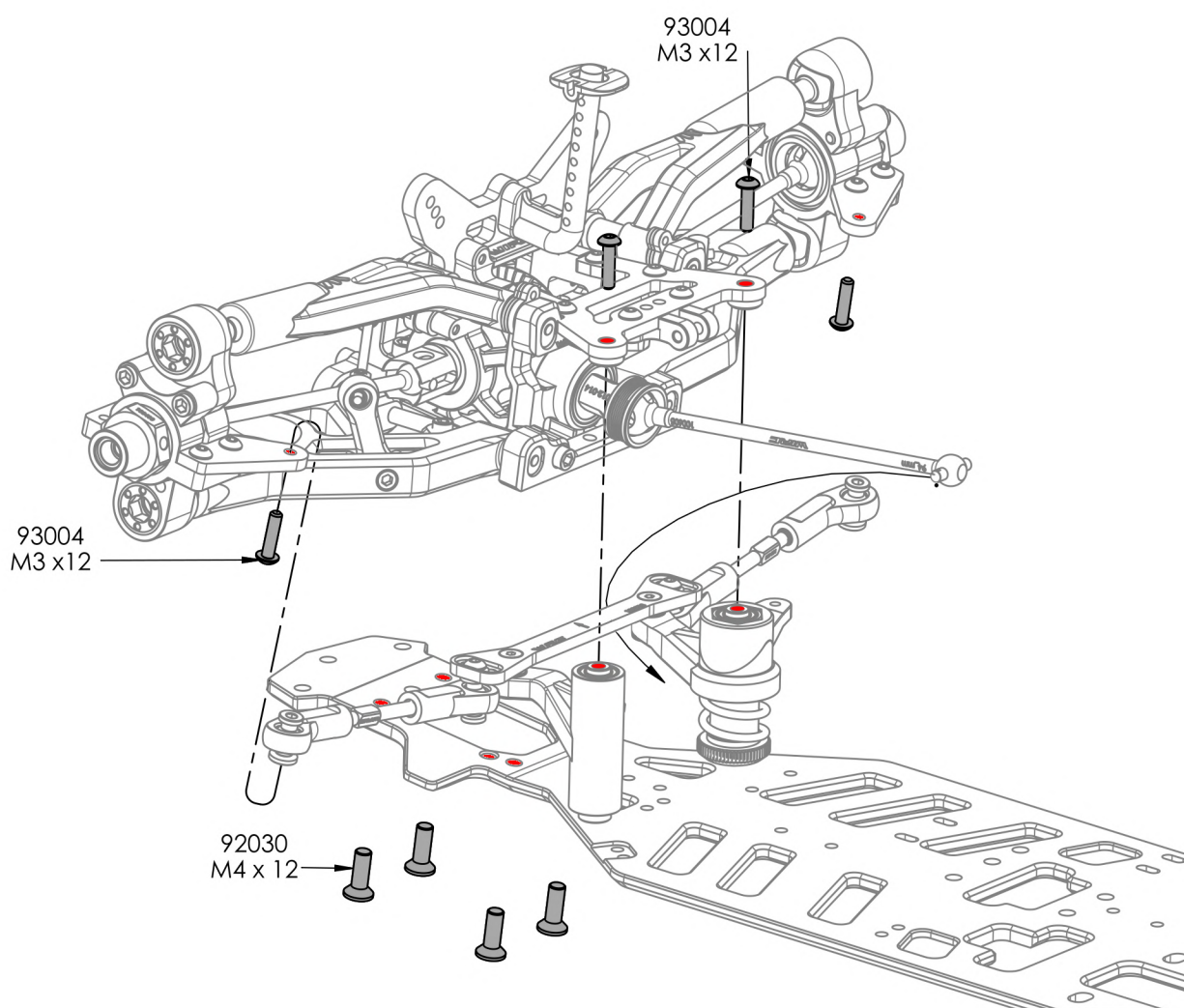
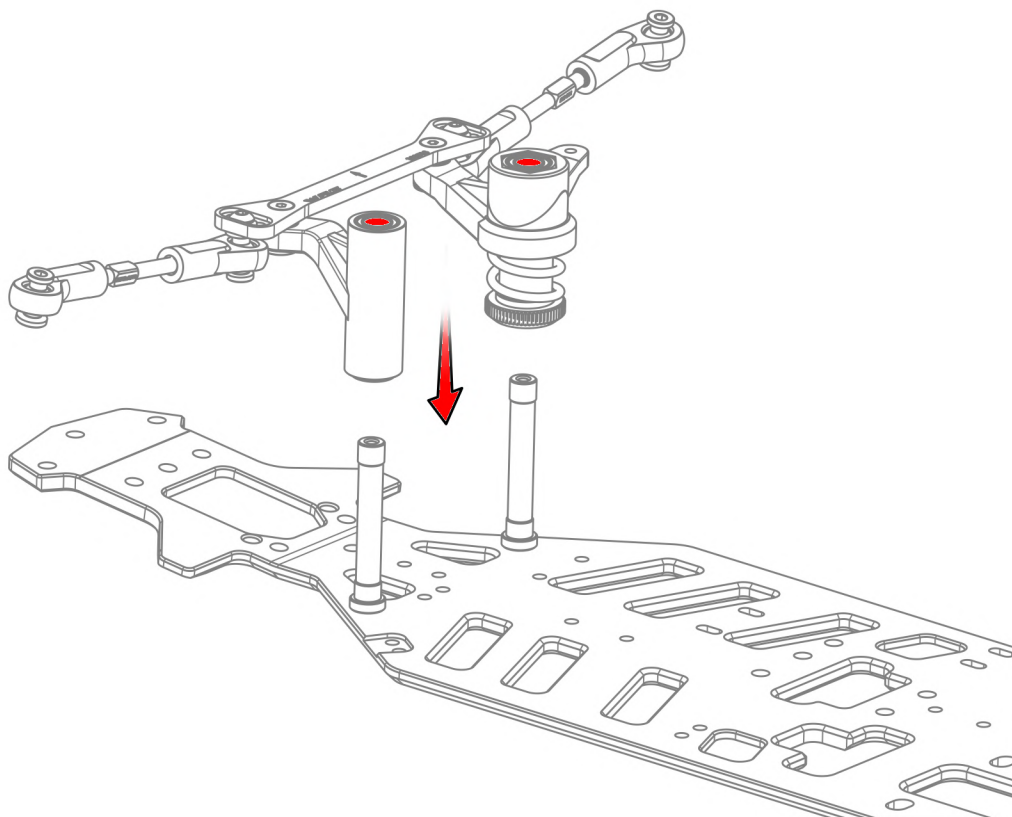


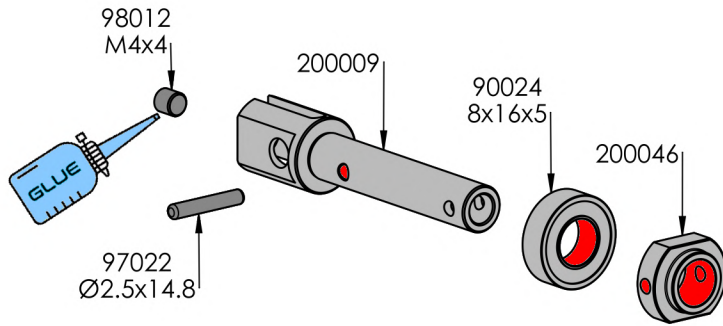




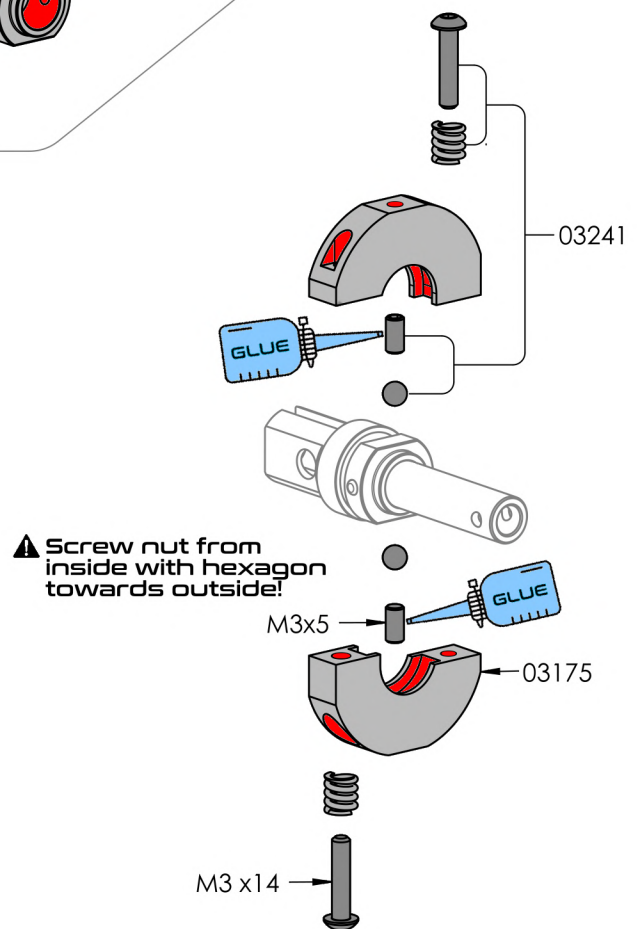
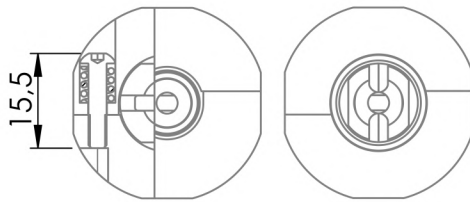
Steering Assembly



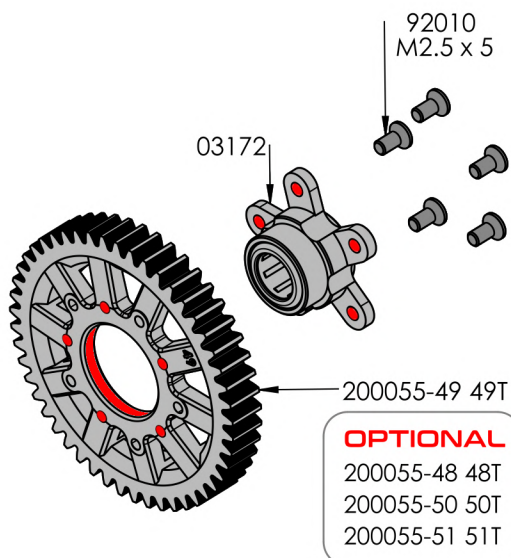




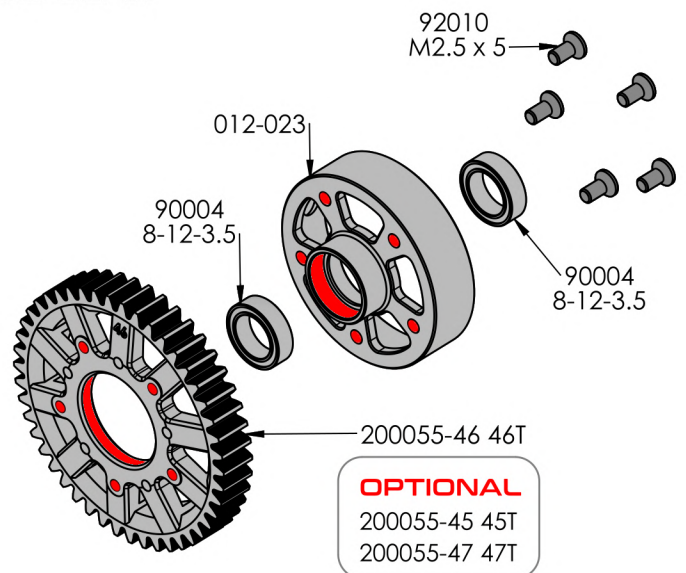
CLUTCH SETTING

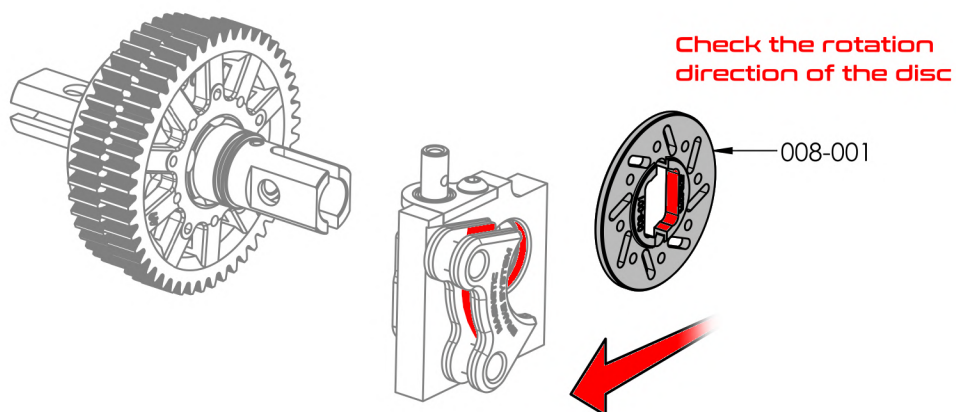
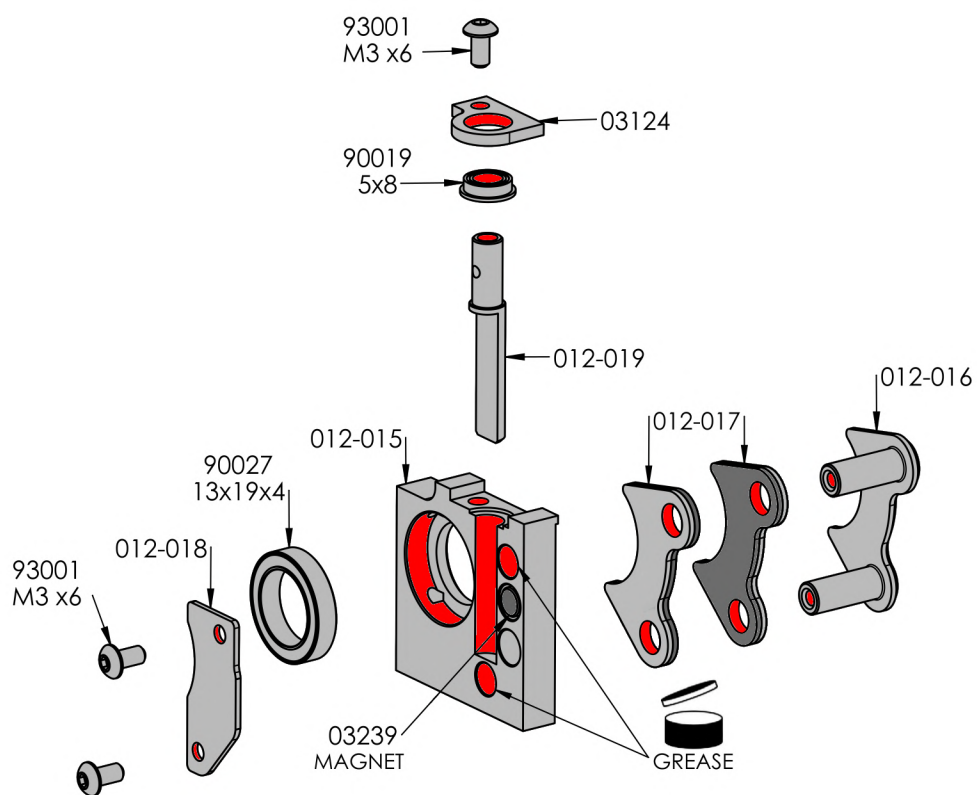
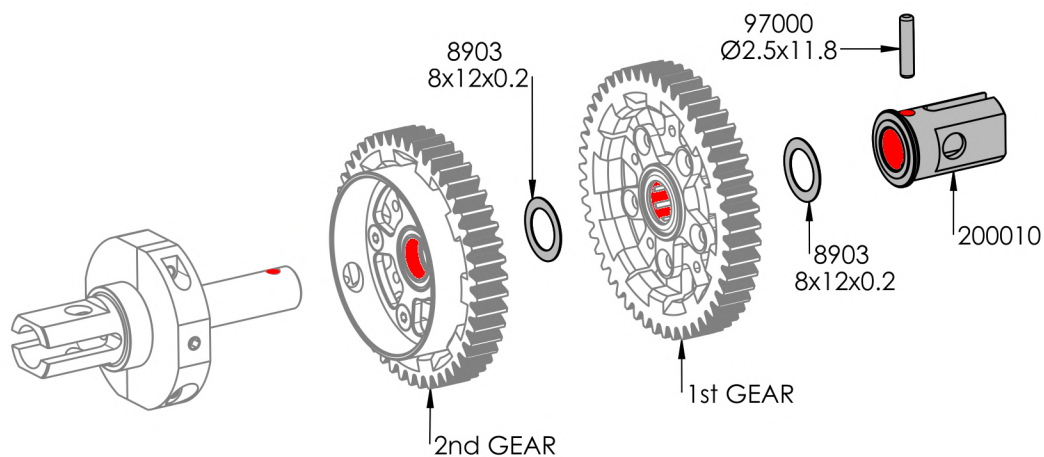


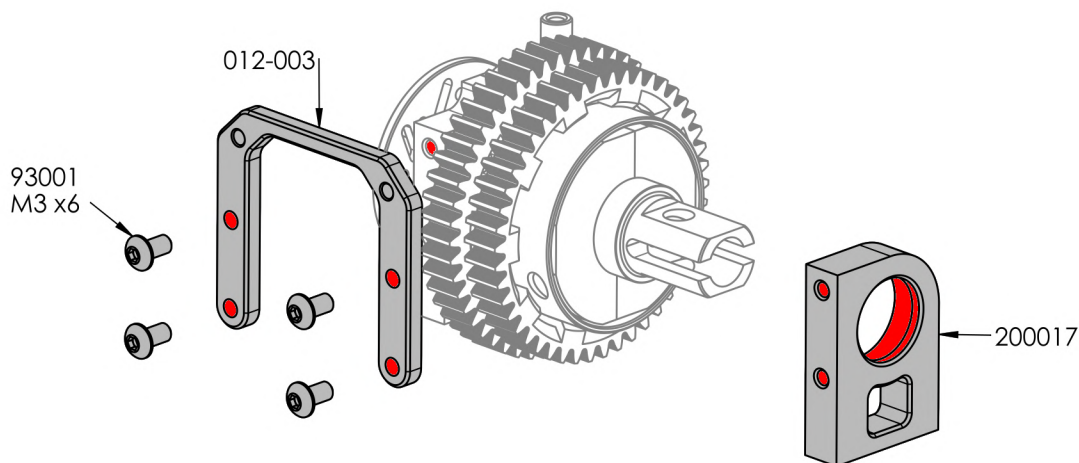
1ST GEAR



2ND GEAR

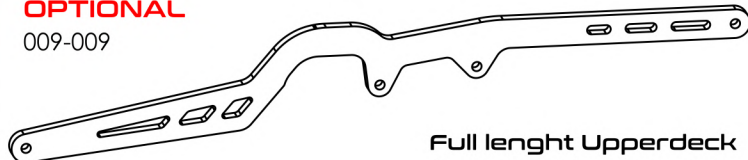




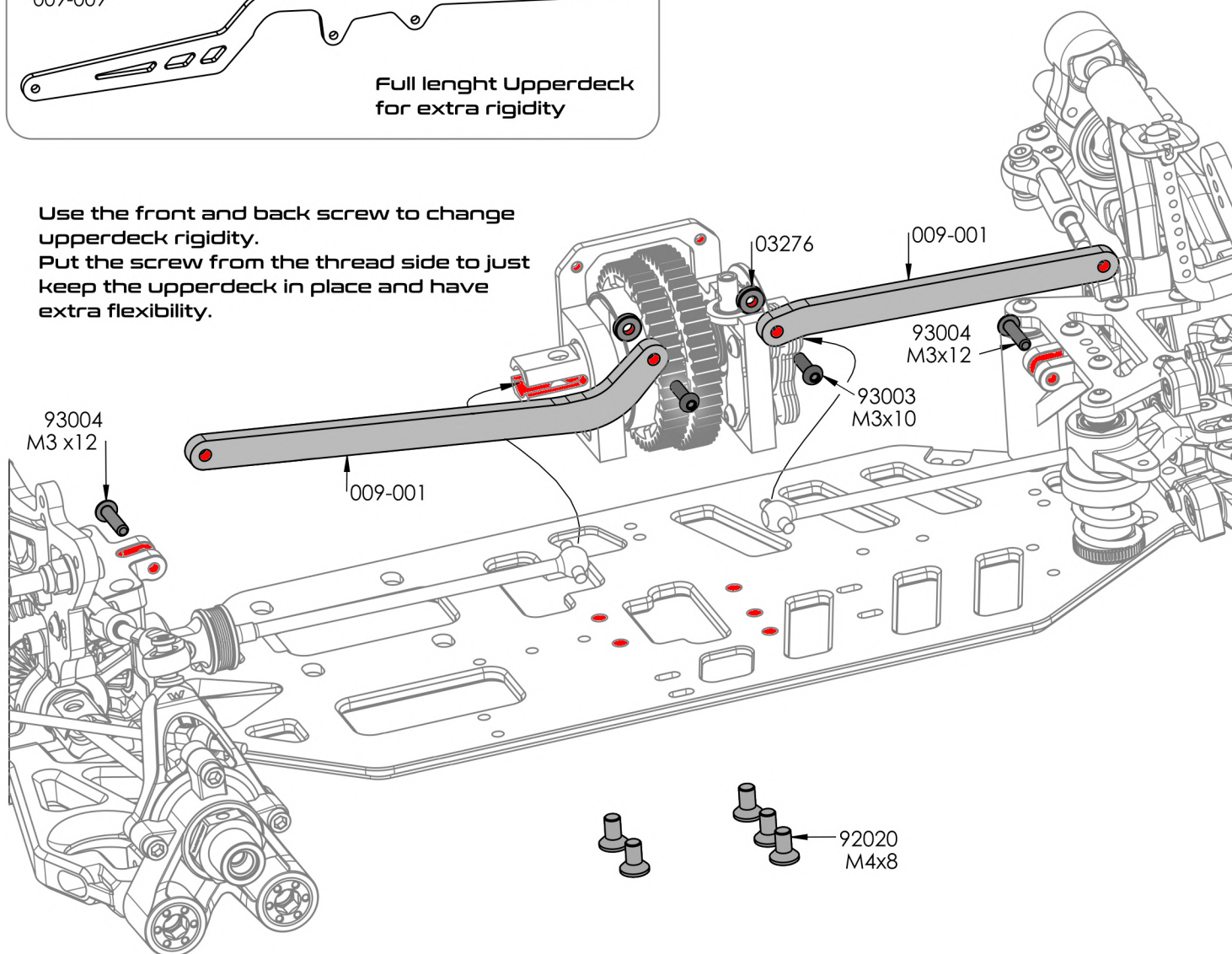


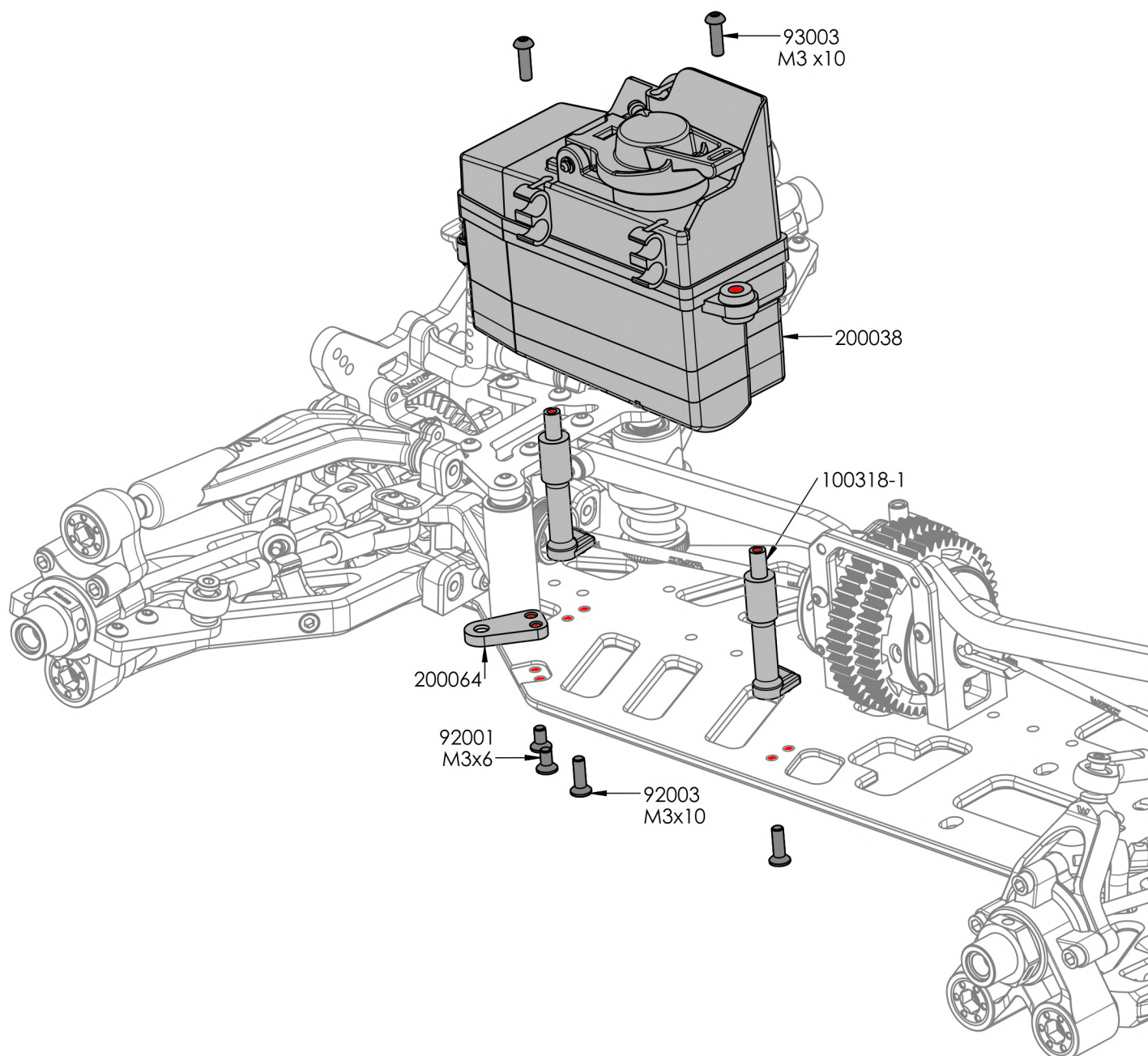
OPTIONAL

009-009



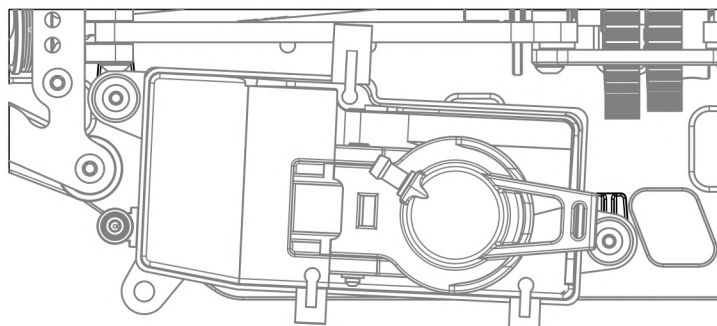
Use the front and back screw to change upperdeck rigidity.
Put the screw from the thread side to just keep the upperdeck in place and have extra flexibility.





TOP VIEW

Check orientation of fuel tank supports

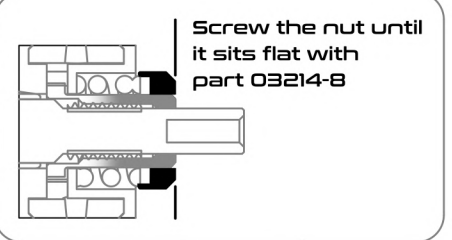
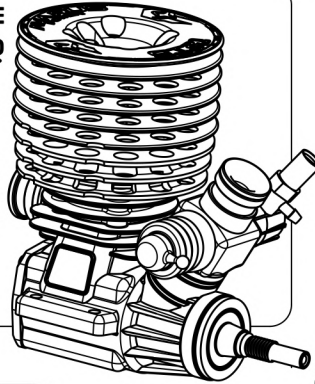


**ENGINE
NOT INCLUDED**

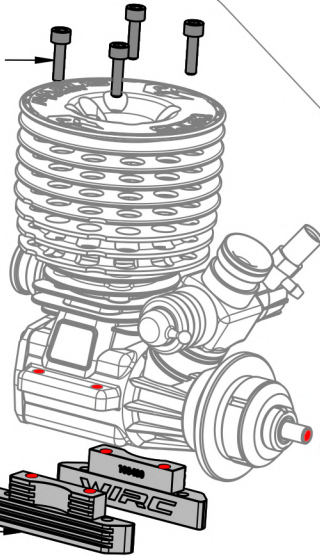


**AVARUS
ENGINES**

AVARUS GT21
ENGINE AVAILABLE
SEPARATELY



91001
M3x10



00174-1

03214-8

00174-3

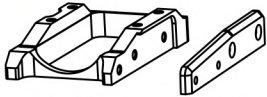
00174-4

03390

03214-9



OPTIONAL

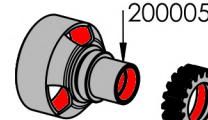


100403

100403-1

100400

90000-1
5x10x4 ZZ



200056-18 18T

200005

200056-14 14T

90000-1
5x10x4 ZZ

91000
M3x14

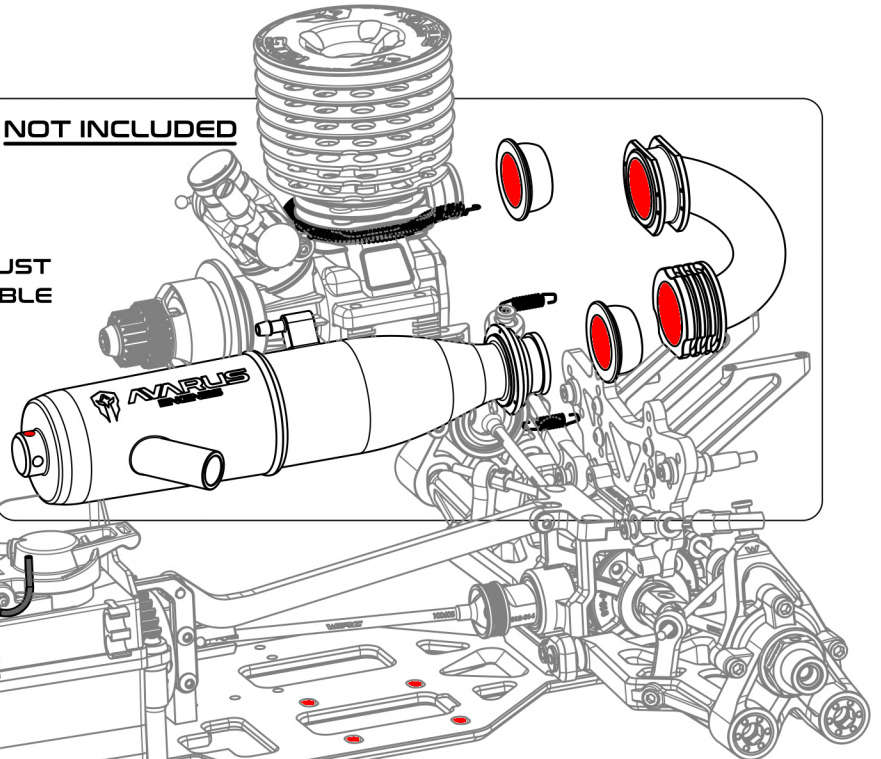
03214-10

EXHAUST KIT NOT INCLUDED



**AVARUS
ENGINES**

AVARUS EXHAUST
PARTS AVAILABLE
SEPARATELY.



100435

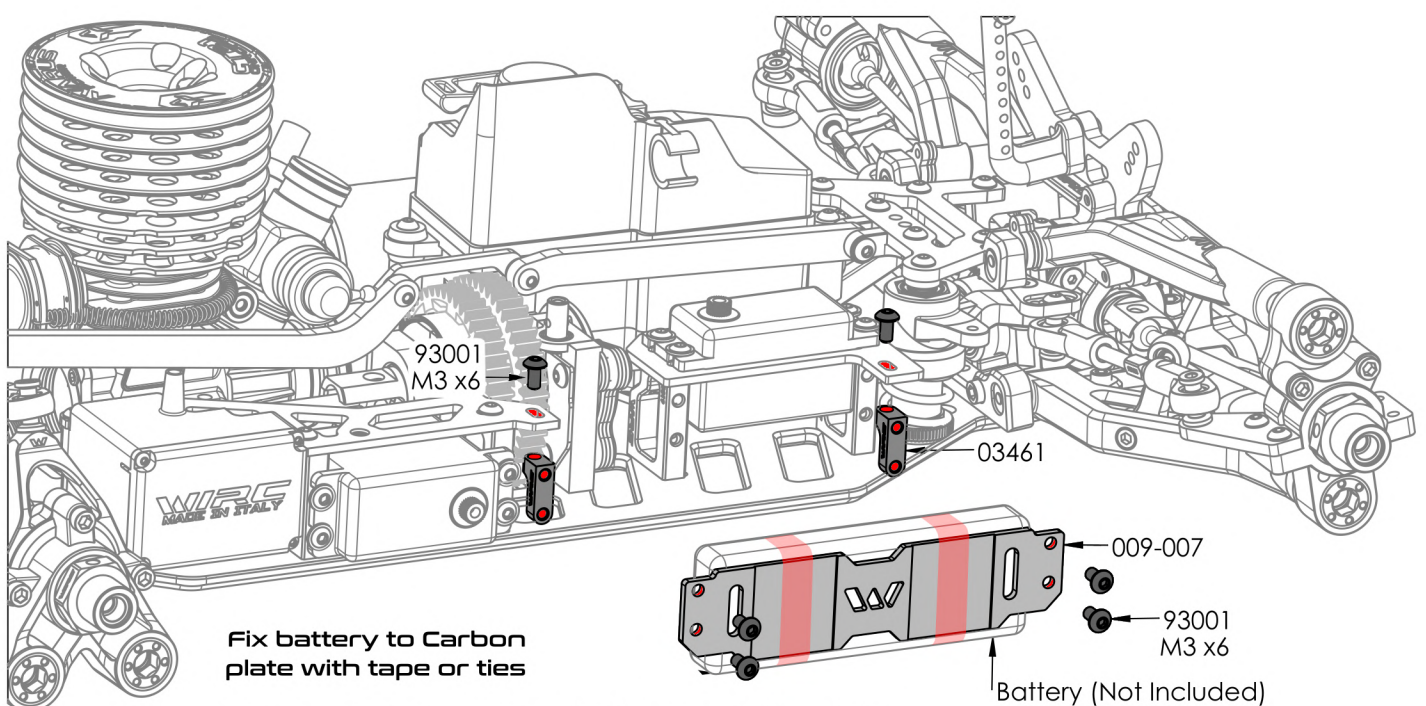
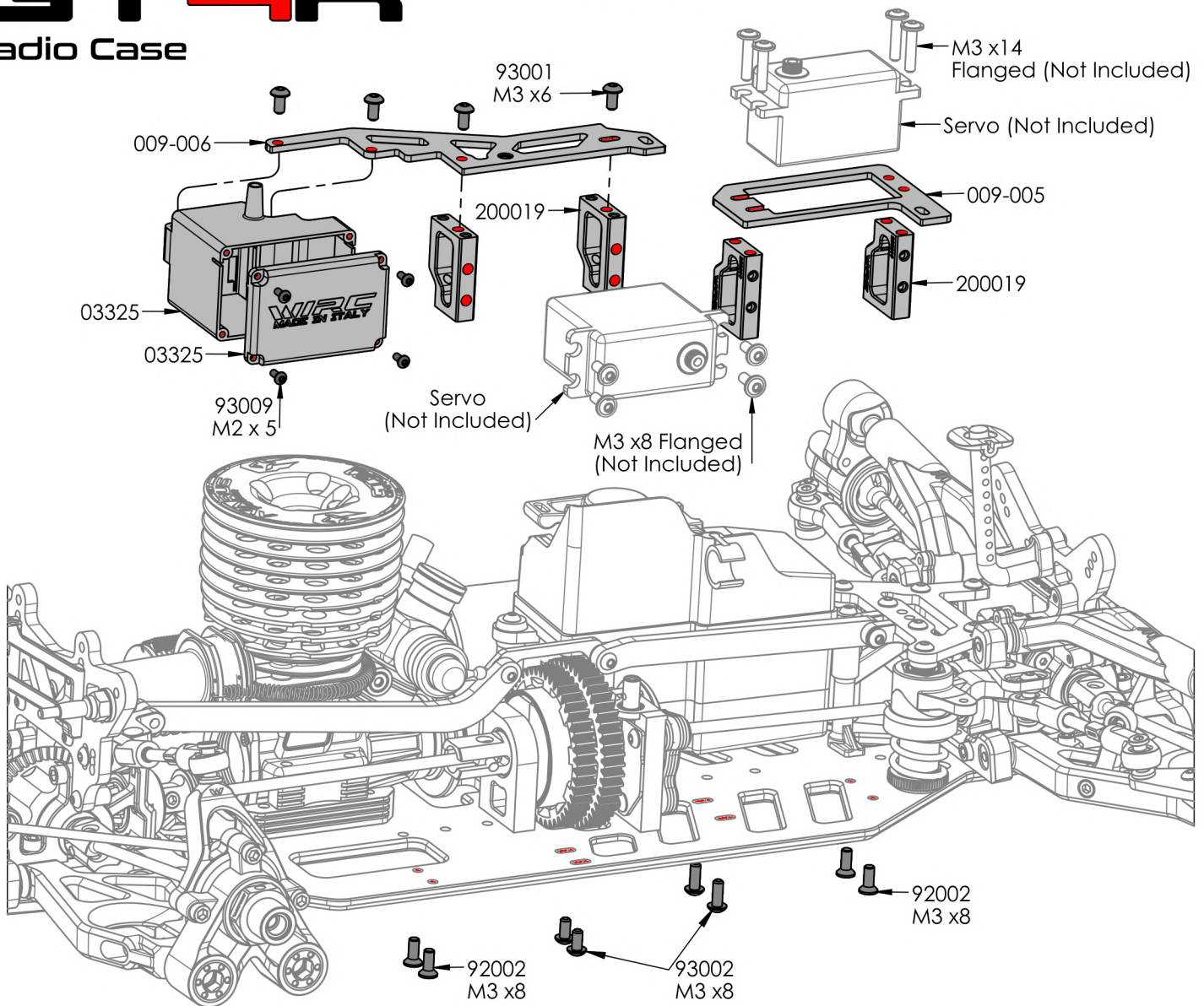
98012
M4x4

00129

92020
M4 x 8

96001
M4 x 10

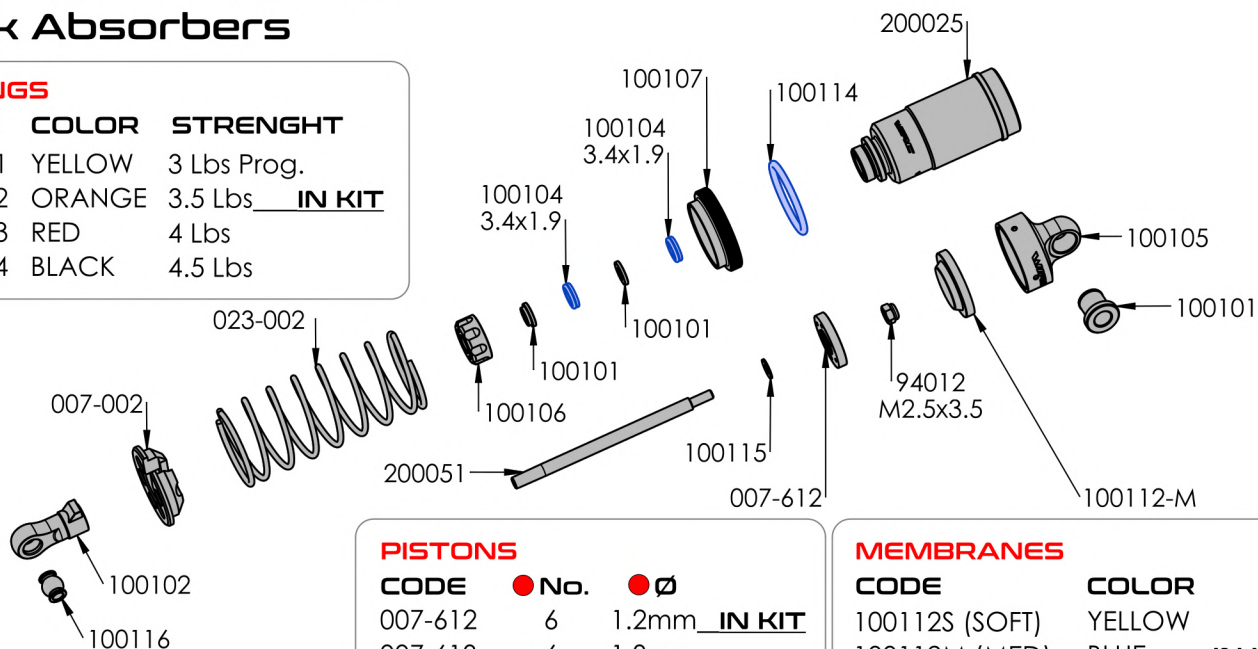
Radio Case



Fix battery to Carbon plate with tape or ties

Battery can be mounted inside or outside of plate.
Possible to mount double battery if desired.

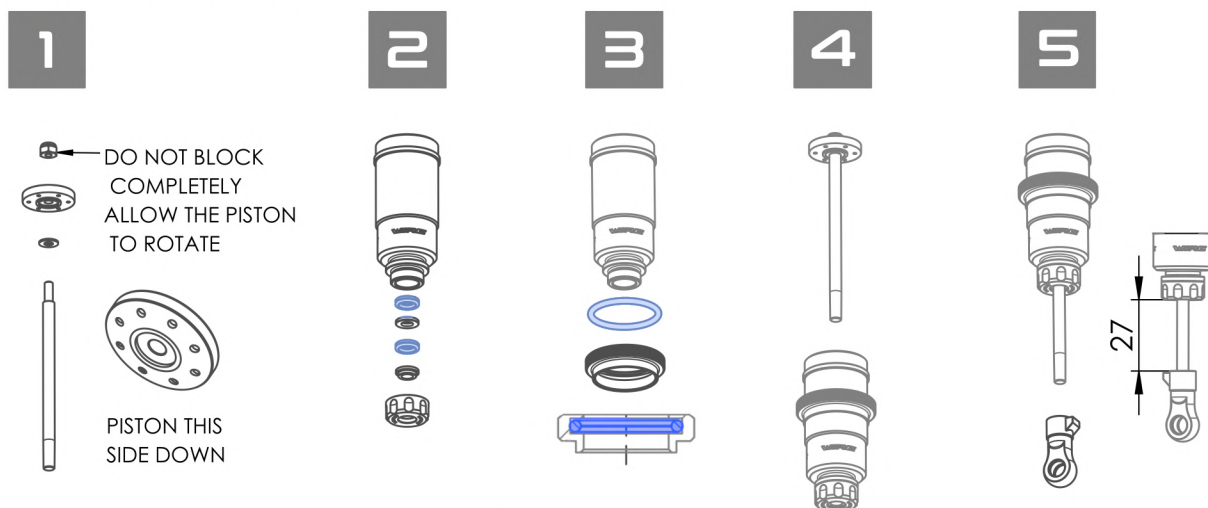
CODE	COLOR	STRENGTH
023-001	YELLOW	3 Lbs Prog.
023-002	ORANGE	3.5 Lbs <u>IN KIT</u>
023-003	RED	4 Lbs
023-004	BLACK	4.5 Lbs



CODE	● No.	● Ø
007-612	6	1.2mm <u>IN KIT</u>
007-613	6	1.3mm
007-812	8	1.2mm
007-813	8	1.3mm

CODE	COLOR
100112S (SOFT)	YELLOW
100112M (MED)	BLUE <u>IN KIT</u>
100112H (HARD)	ORANGE

ASSEMBLE 4 SETS



SHOCK FILLING

Fully extend the piston rod so the piston is at the bottom of the shock body.

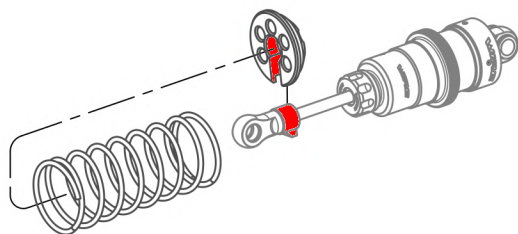
Hold the shock upright and fill the shock body with shock oil as in the picture.

Let the oil settle and allow air bubbles to rise to the top. Slowly move the piston up and down until no more air bubbles appear. Add shock oil as necessary.

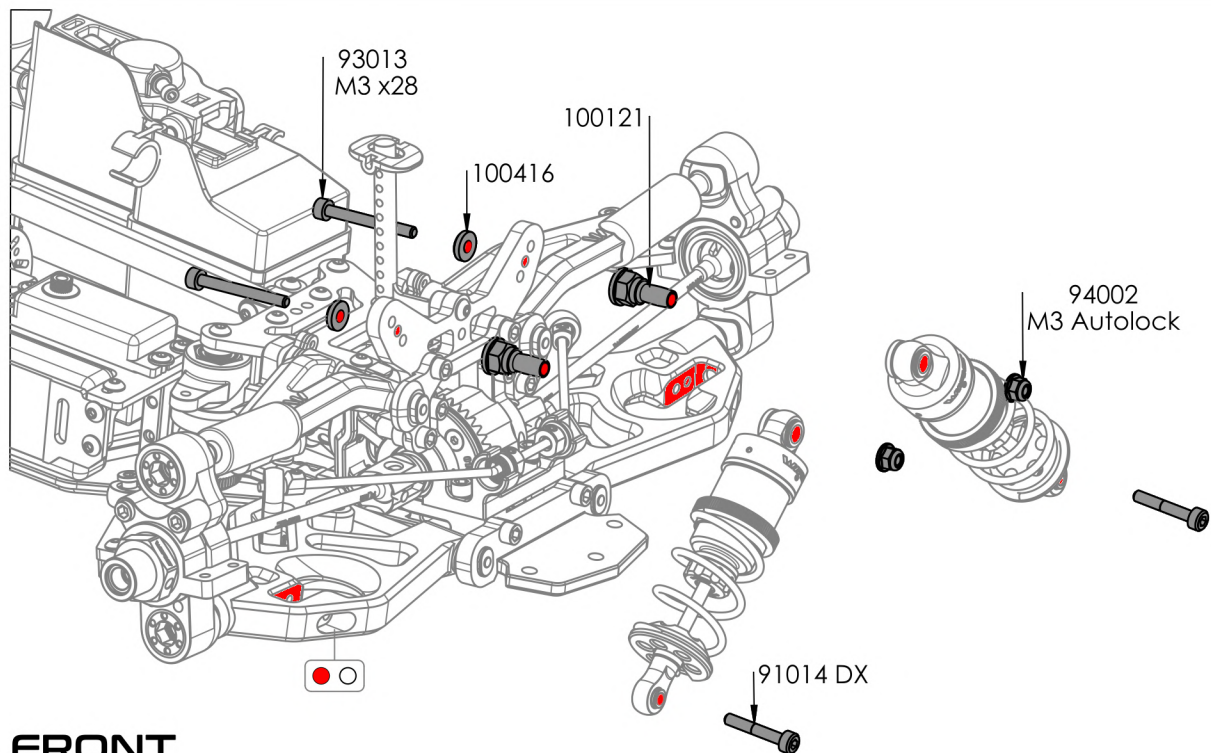
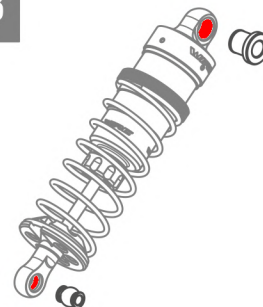
Pull the piston rod most of the way out of the shock bod. Let the shock rest for 5 minutes to allow the air bubbles to scape.

P-ONE SHOCKS OIL	
CODE	CST
SO-400	400
SO-500	500
SO-600	600
SO-700	700
SO-800	800
SO-900	900 <u>IN KIT</u>
SO-1000	1000

7

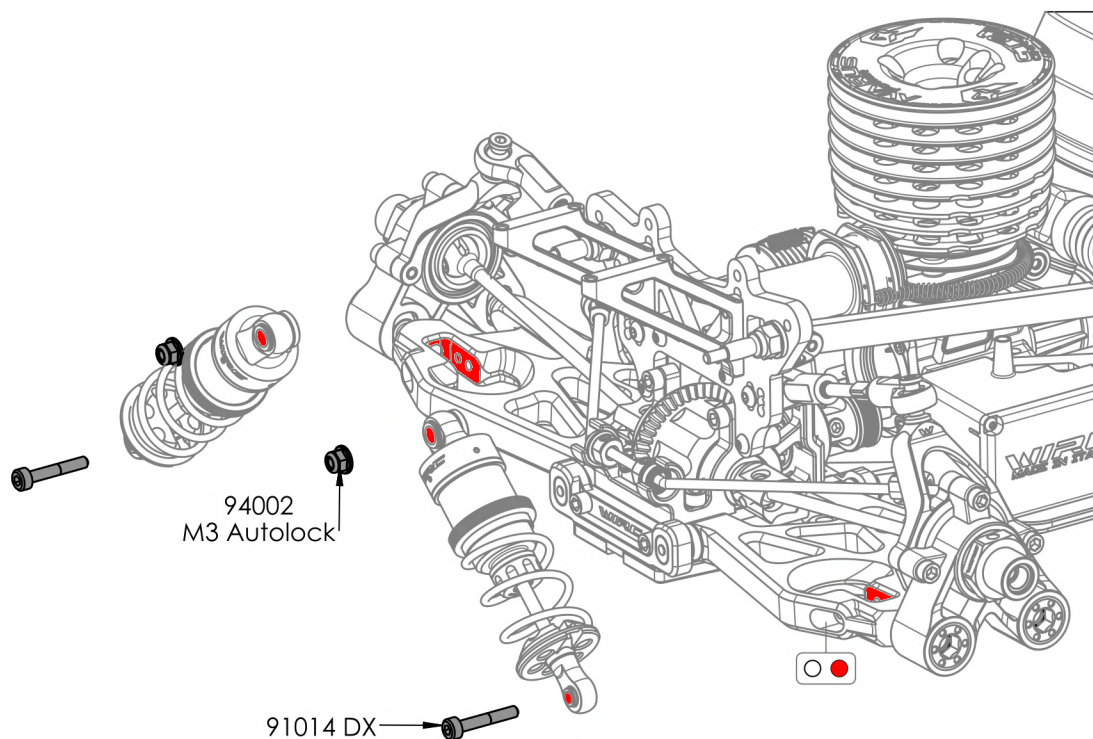


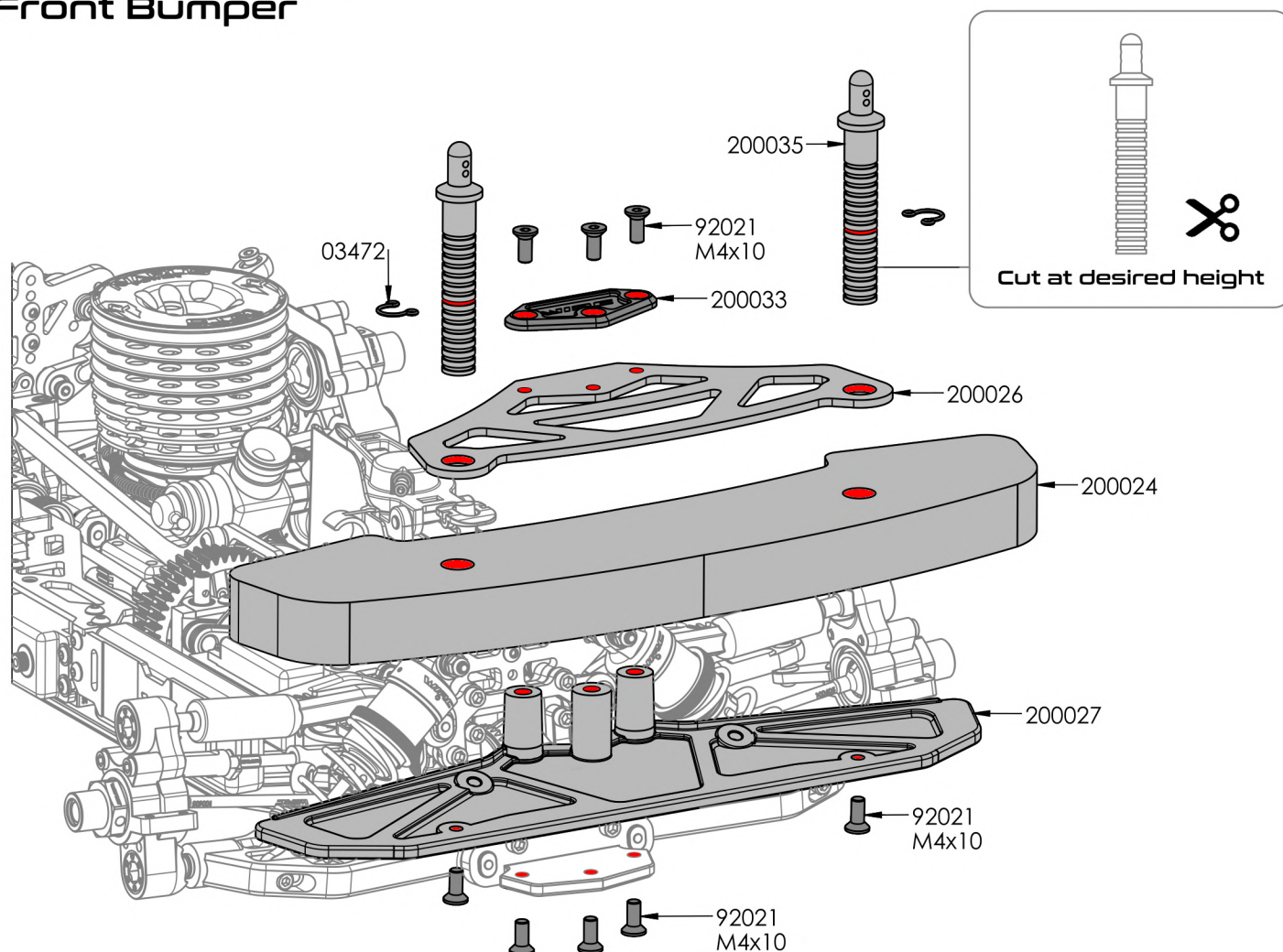
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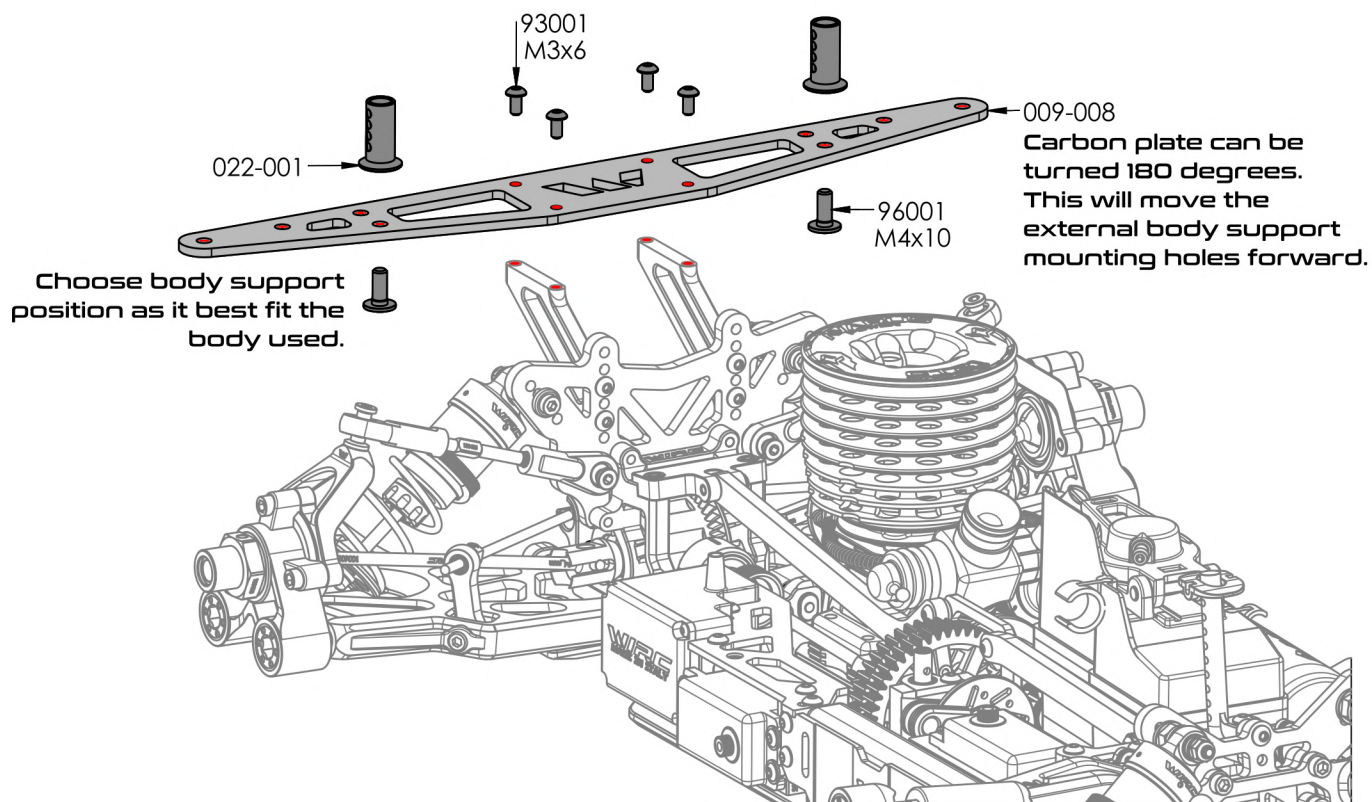
FRONT

REAR

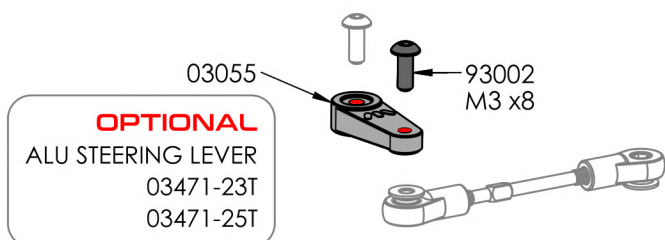
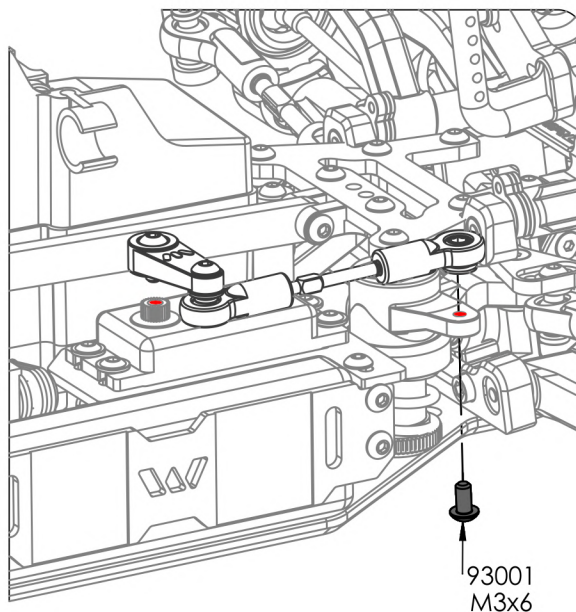
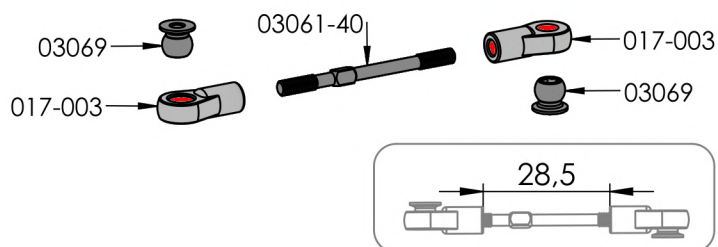




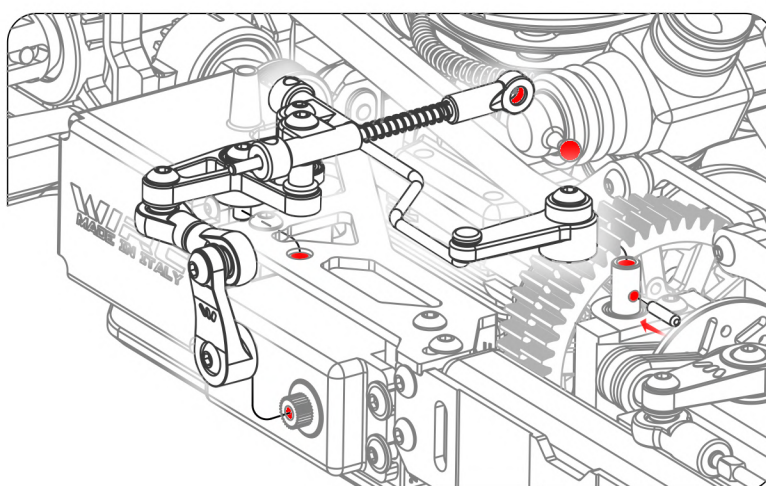
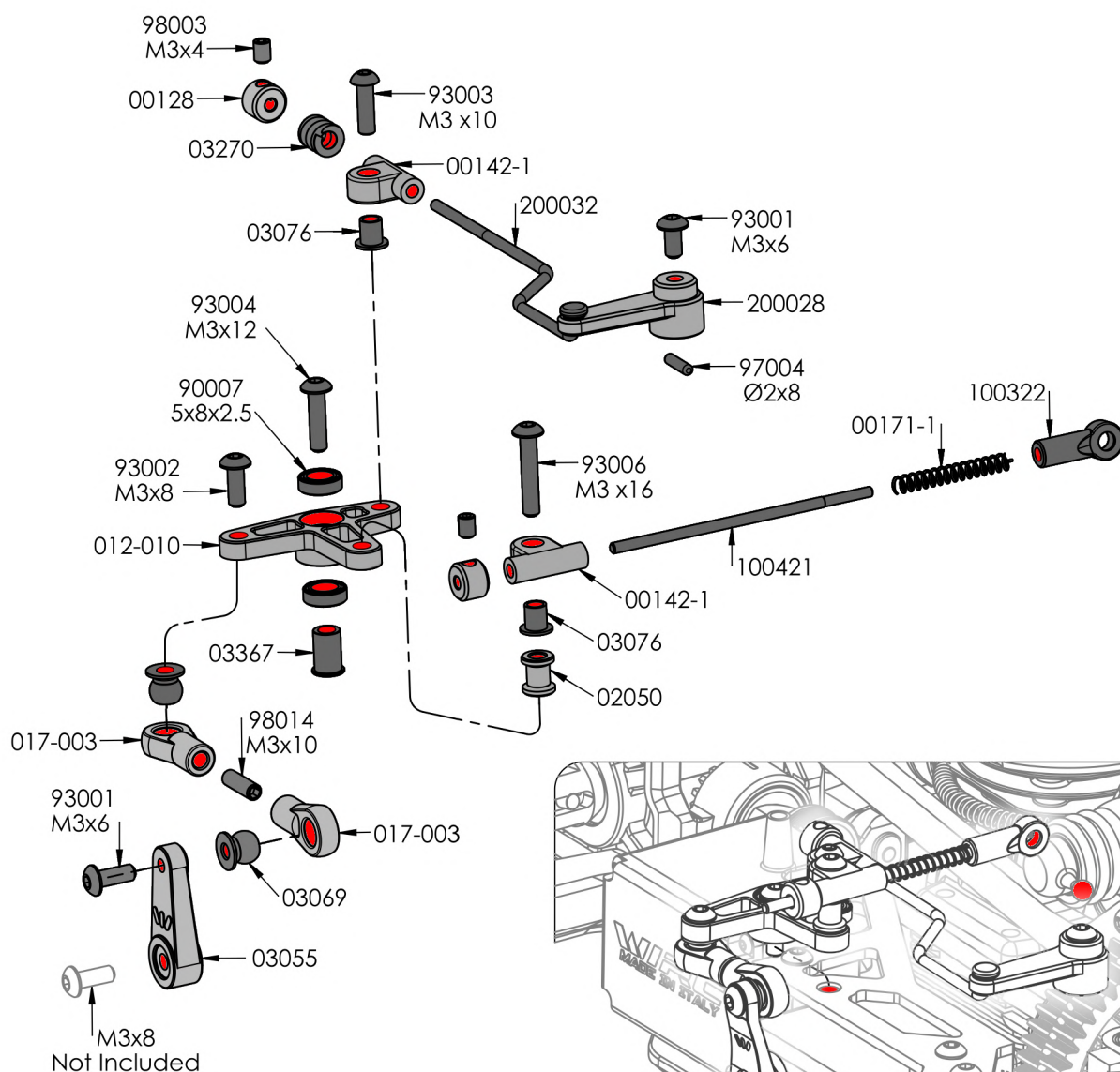
Rear Body Support

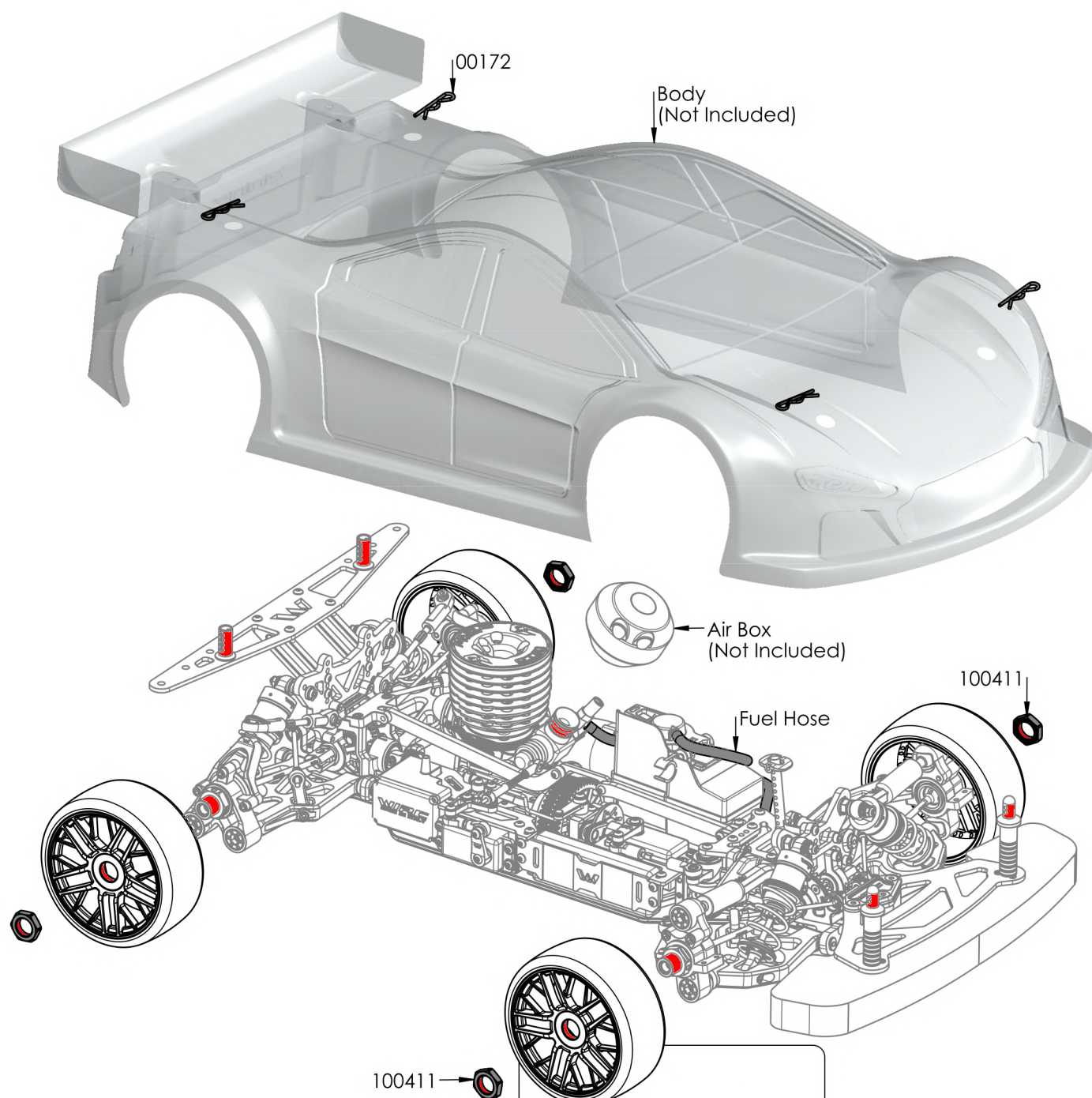


Steering lever



Throttle and Brake lever





TYRES NOT INCLUDED

P·ONE
HIGH PERFORMANCES

P-ONE PGT

TYRES AVAILABLE
SEPARATELY IN 3
DIFFERENT COMPOUNDS

GT4R

SETUP SHEET

NAME _____
 DATE _____
 TRACK _____

TRACK CONDITION

AIR TEMP:		TRACK TEMP:	
SURFACE	☐ SMOOTH ☒ MEDIUM ☐ BUMPY		
SIZE	☐ TIGHT ☒ MEDIUM ☐ FAST		
TRACTION	☐ LOW ☒ MEDIUM ☐ HIGH		

GEARING

1ST	14	PINION	18	2ND
	49	SPUR GEAR	46	

DIFFERENTIALS

	FRONT	REAR
DIFF. TYPE:	☒ Std. ☐ HTS	☒ Std. ☐ HTS
OIL:	1000000 /cst	20000 /cst

SHOCKS

	FRONT	REAR
SPRING:	Orange	Orange
OIL:	900 /cst	900 /cst
PISTON:	6x1.2	6x1.2
MEMBRANE:	Blue	Blue
REBOUND:	50 /%	50 /%
LENGTH:		
	27 /mm	27 /mm

ANTI-ROLL BARS

FRONT:	2.8 /mm	REAR:	2.5 /mm
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UPPERDECK

☐ 1-PIECE ☒ 2-PIECES	
☐ ONLY FRONT ☐ ONLY REAR ☐ WITHOUT	
THICKNESS:	4 /mm

TYRES

BRAND / TYPE:	
COMPOUND:	FL ☐ ☐ FR RL ☐ ☐ RR

ENGINE

TYPE:	
MUFFLER:	
MANIFOLD:	
PLUG:	
FUEL:	

BODY

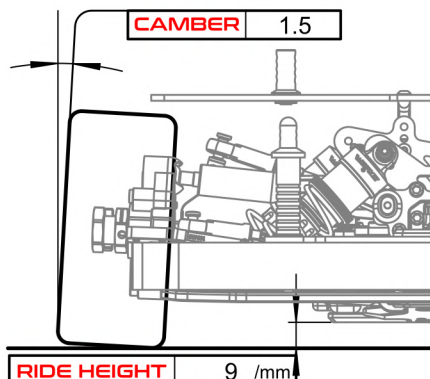
BRAND / TYPE:	
WING HEIGHT:	/mm

CAR WEIGHT

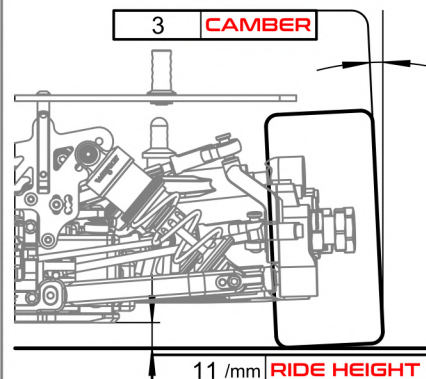
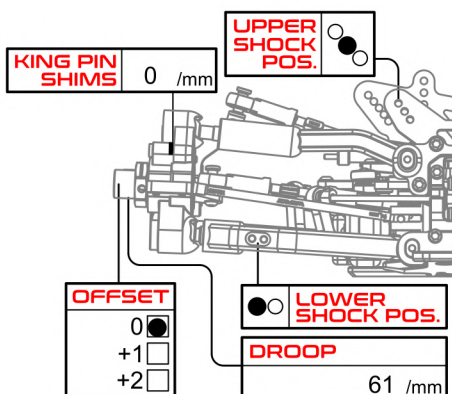
	3500 /g
--	---------

COMMENTS

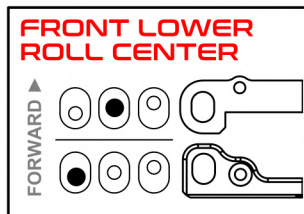
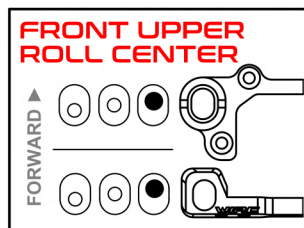
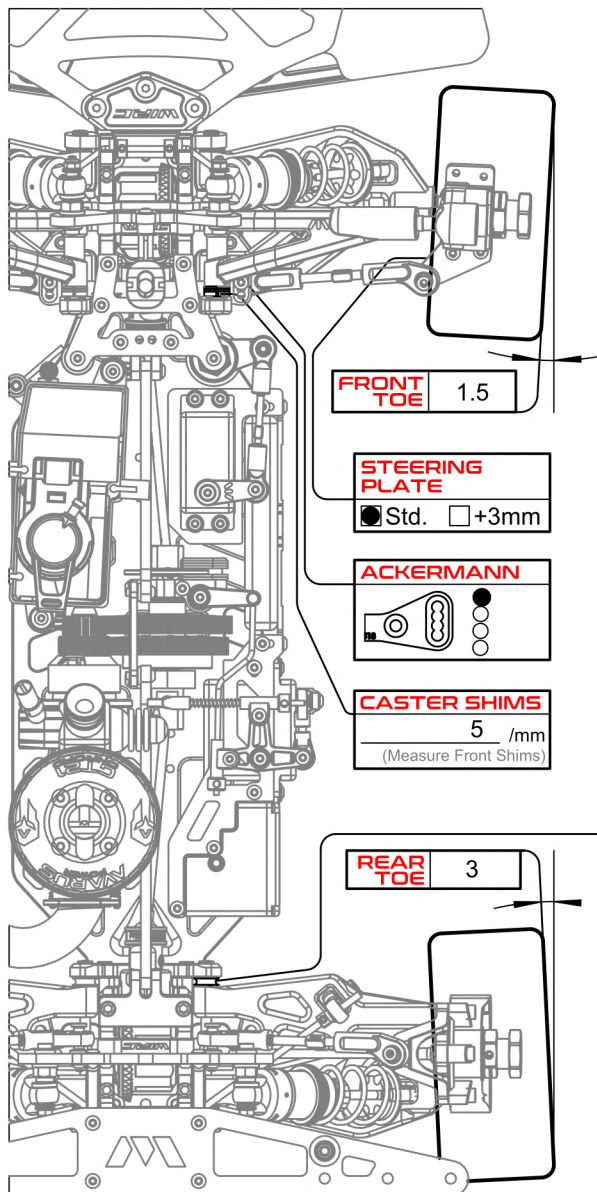
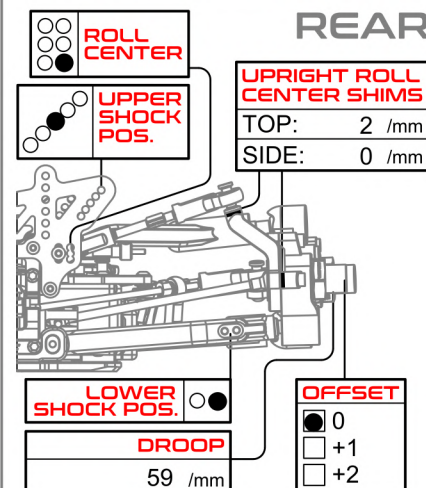
- Measure front ride height before chassis folds



FRONT



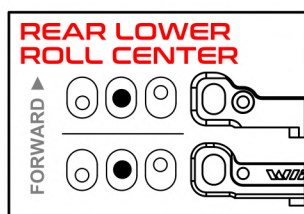
REAR



	S	M	H
UPPER FRONT	☐	☐	☒
LOWER FRONT	☐	☐	☒
LOWER REAR	☐	☐	☒

WEIGHTS	
FRONT:	/g
REAR:	/g

WHEELBASE	
☐ SHORT (-3mm)	
☒ MEDIUM	
☐ LONG (+3mm)	



GT4R

SETUP SHEET

NAME _____
 DATE _____
 TRACK _____

TRACK CONDITION

AIR TEMP:	TRACK TEMP:		
SURFACE	☐ SMOOTH	☐ MEDIUM	☐ BUMPY
SIZE	☐ TIGHT	☐ MEDIUM	☐ FAST
TRACTION	☐ LOW	☐ MEDIUM	☐ HIGH

GEARING

1ST	PINION	2ND
	SPUR GEAR	

DIFFERENTIALS

	FRONT	REAR
DIFF. TYPE:	☐ Std. ☐ HTS	☐ Std. ☐ HTS
OIL:	/cst	/cst

SHOCKS

	FRONT	REAR
SPRING:		
OIL:	/cst	/cst
PISTON:		
MEMBRANE:		
REBOUND:	/%	/%
LENGTH:	/mm	/mm

ANTI-ROLL BARS

FRONT:	/mm	REAR:	/mm
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UPPERDECK

☐ 1-PIECE	☐ 2-PIECES
☐ ONLY FRONT	☐ ONLY REAR ☐ WITHOUT
THICKNESS:	/mm

TYRES

BRAND / TYPE:				
COMPOUND:	FL		FR	
	RL		RR	

ENGINE

TYPE:	
MUFFLER:	
MANIFOLD:	
PLUG:	
FUEL:	

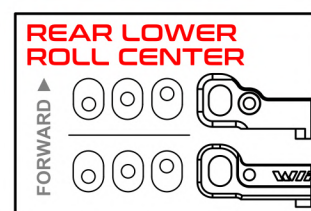
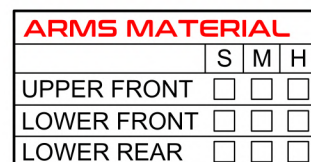
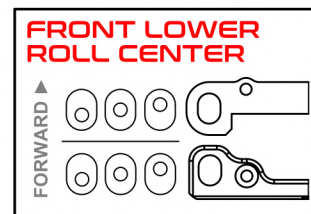
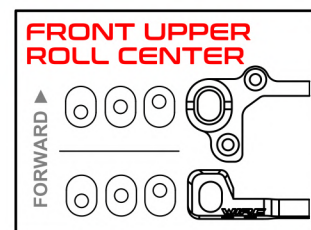
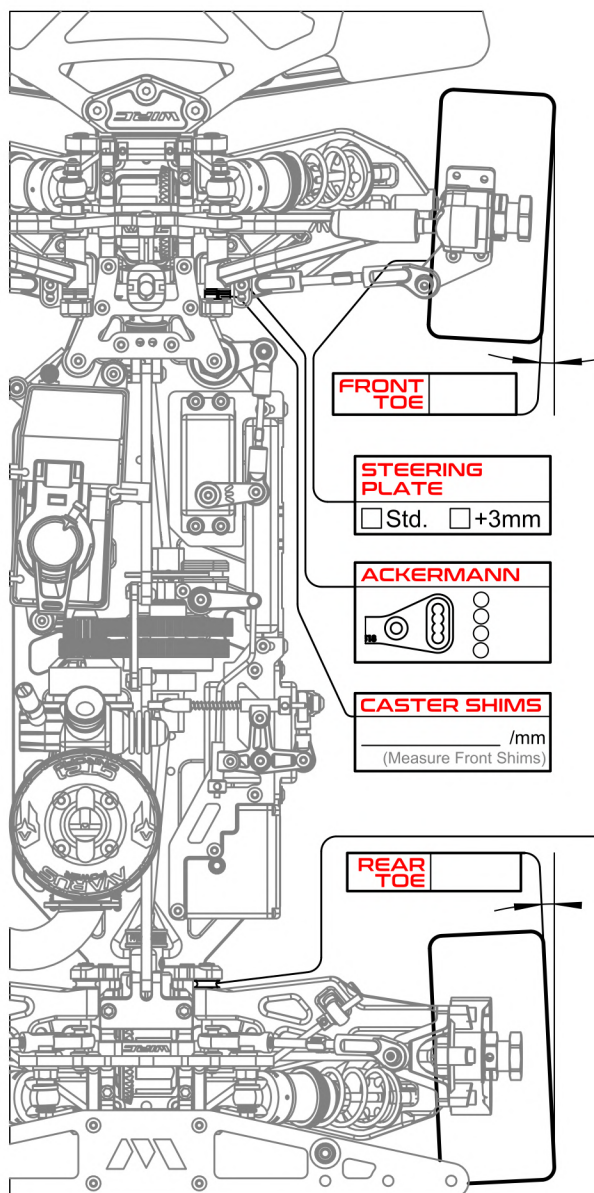
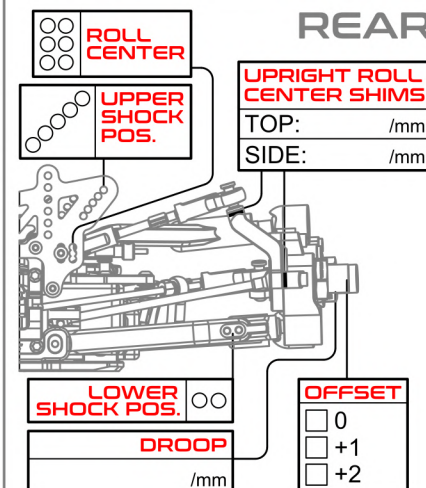
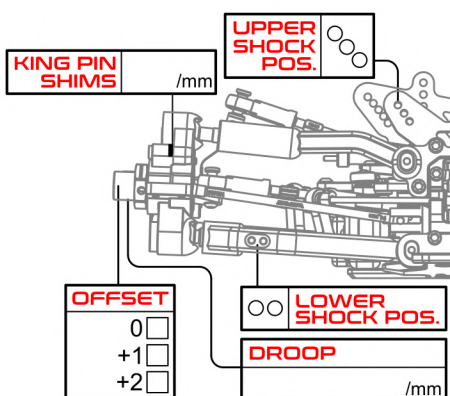
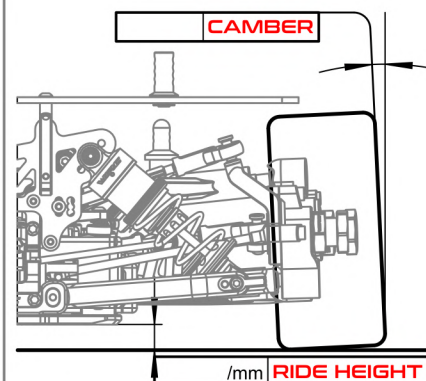
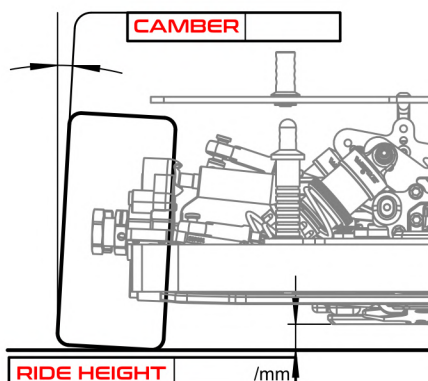
BODY

BRAND / TYPE:	
WING HEIGHT:	/mm

CAR WEIGHT

/g

COMMENTS



[illegible]



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