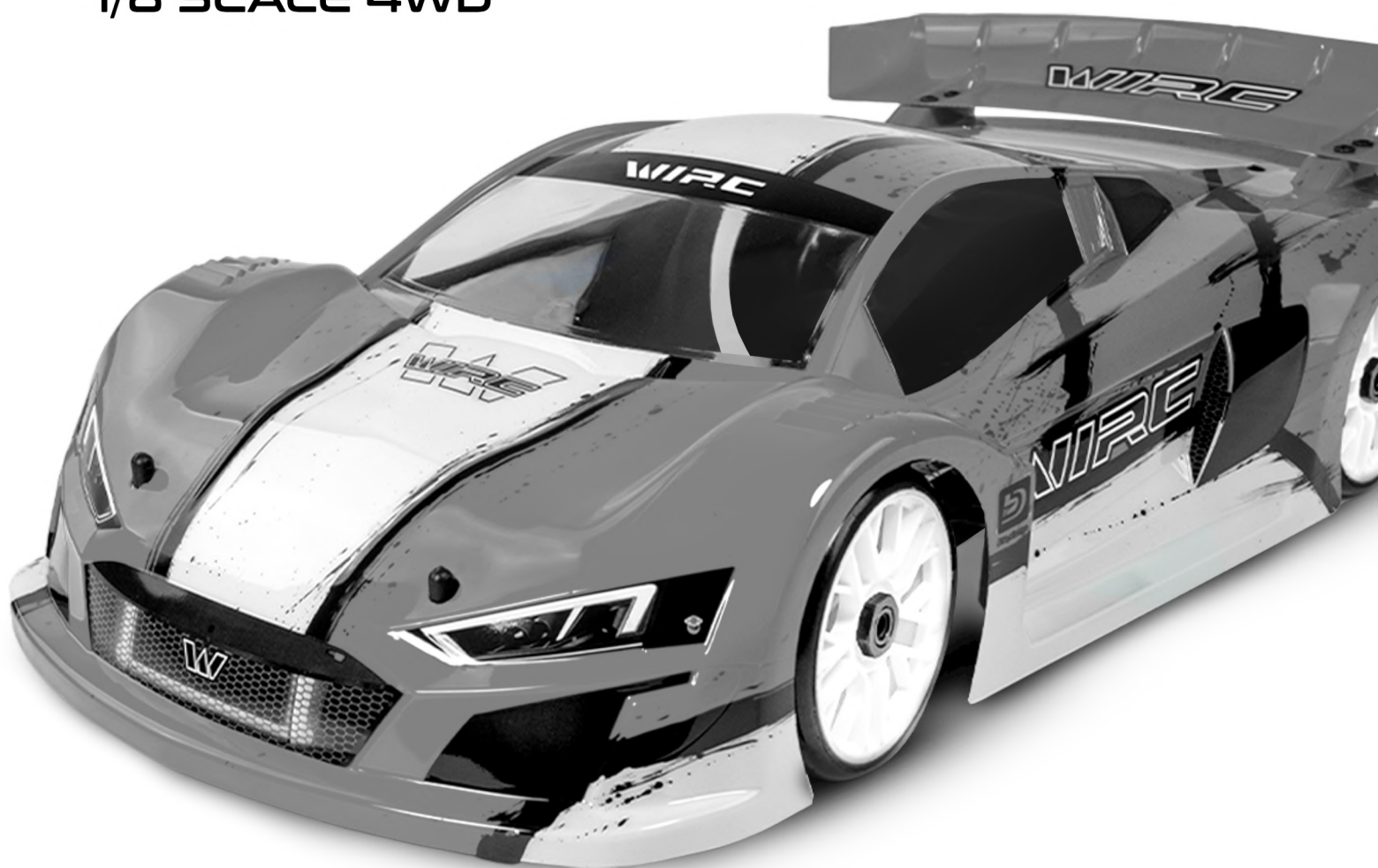


GT4ER.1

NEW GENERATION RC CAR

ONROAD ELECTRIC GT
1/8 SCALE 4WD



INSTRUCTION MANUAL

WRC
PROFESSIONAL RC CAR

WWW.WIRCRACING.COM

TECHNICAL INFORMATION

- 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
- ROLL CENTER: 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

ADDITIONAL ITEMS NEEDED FOR COMPLETION

REQUIRED BUT NOT INCLUDED IN THE KIT



ENGINE



TRANSMITTER



BATTERIES
FOR TRANSMITTER



1 STEERING SERVO



RECEIVER



WHEEL - TYRES - INSERTS



2 x 7.4V LIPO BATTERIES



SPEED CONTROLLER



BODY

TOOLS REQUIRED

THESE TOOLS ARE NOT INCLUDED IN THE KIT BUT 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



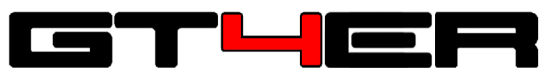
GREASE



OILS:
5000 CST
BEARING OIL

NOTICE:

THESE ITEMS ABOVE ARE NEEDED FOR COMPLETION OF THE GT4ER; 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

GT4ER is a new generation high quality 1/8 scale GT electric car.
GT4ER 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.

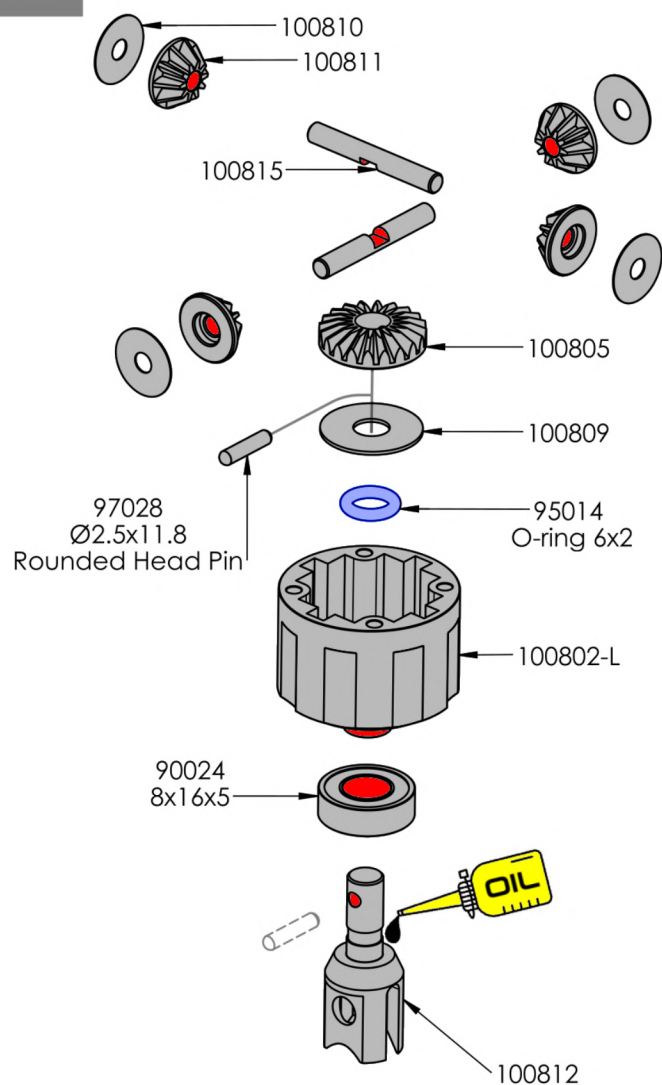
Via A. Volta 2 Bis
36040 Brendola (VI)
ITALY

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



Front Diff. Gear

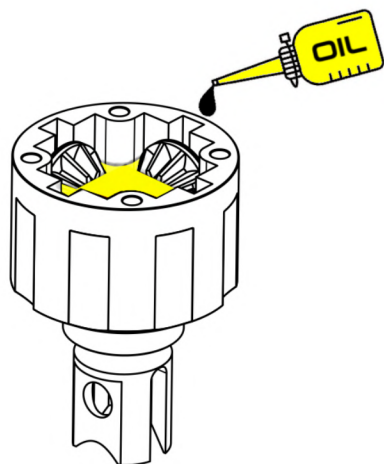
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2

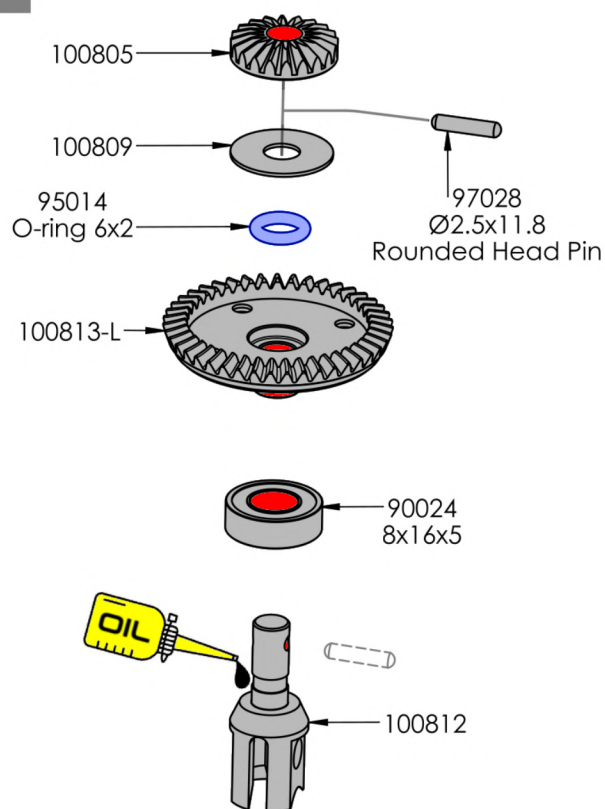
DIFFERENTIAL OIL :

Type: 1000000 cst
Weight: 3g



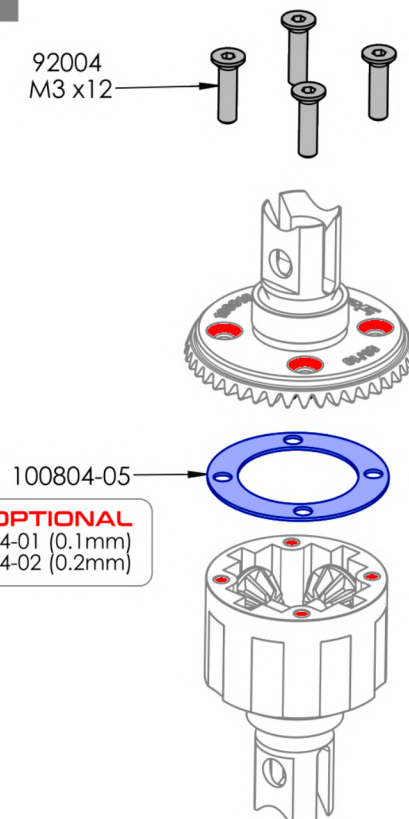
Fill the differential up to the top of the pin. **DO NOT** fill the diff. to the top of the housing.

3



4

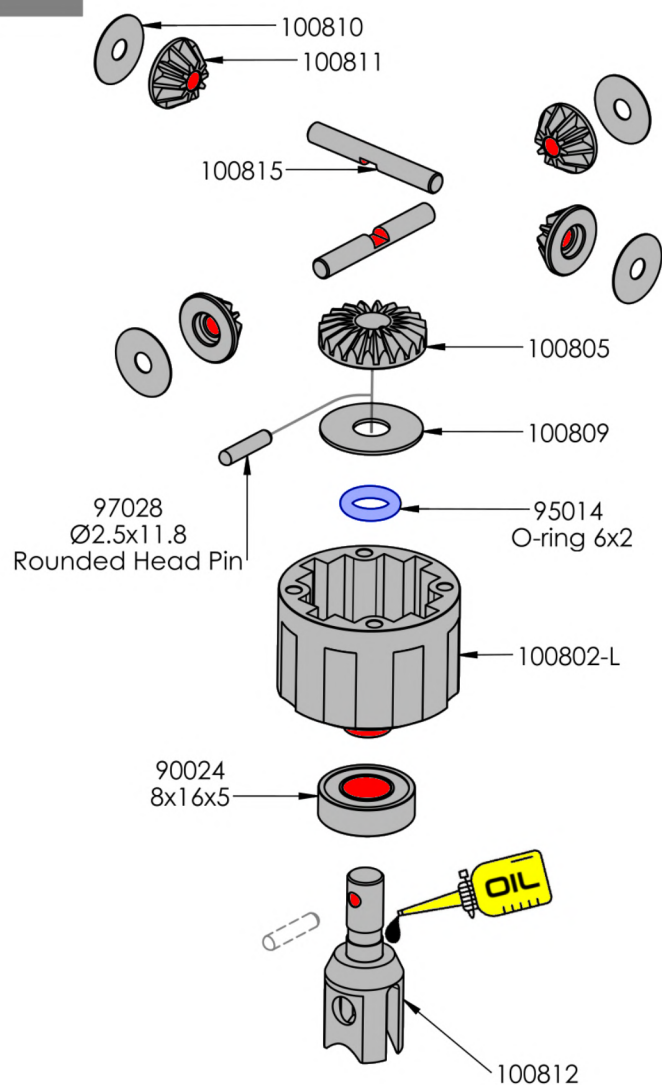
92004
M3 x12



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

Rear Diff. Gear

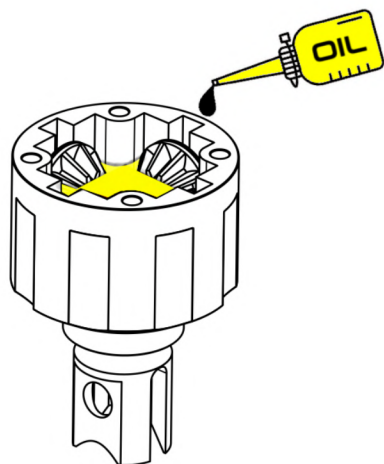
1



2

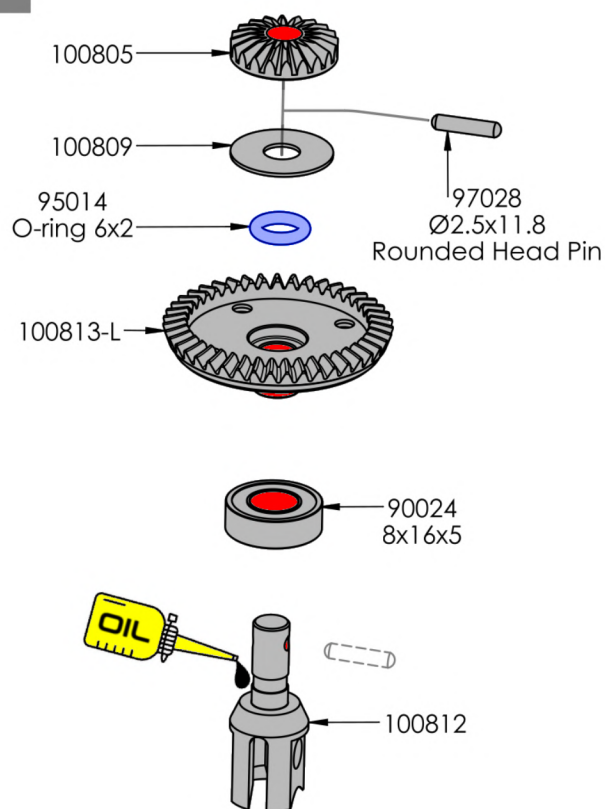
DIFFERENTIAL OIL :

Type: 20000 cst
Weight: 3g

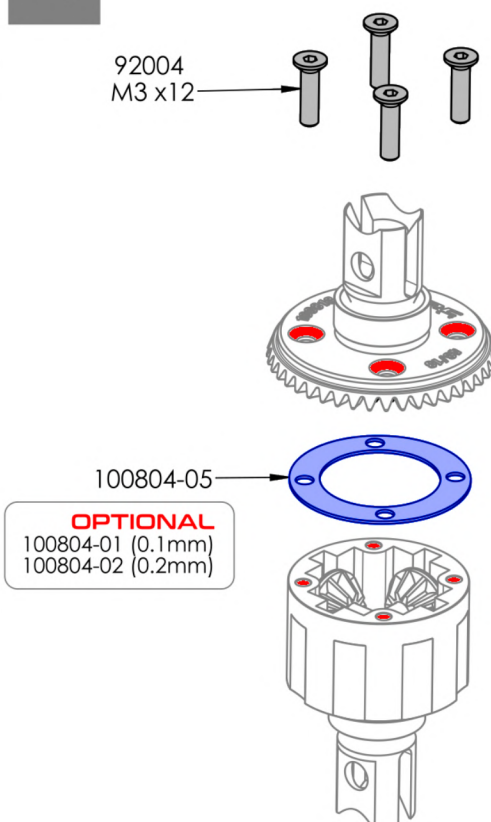


Fill the differential up to the top of the pin. **DO NOT** fill the diff. to the top of the housing.

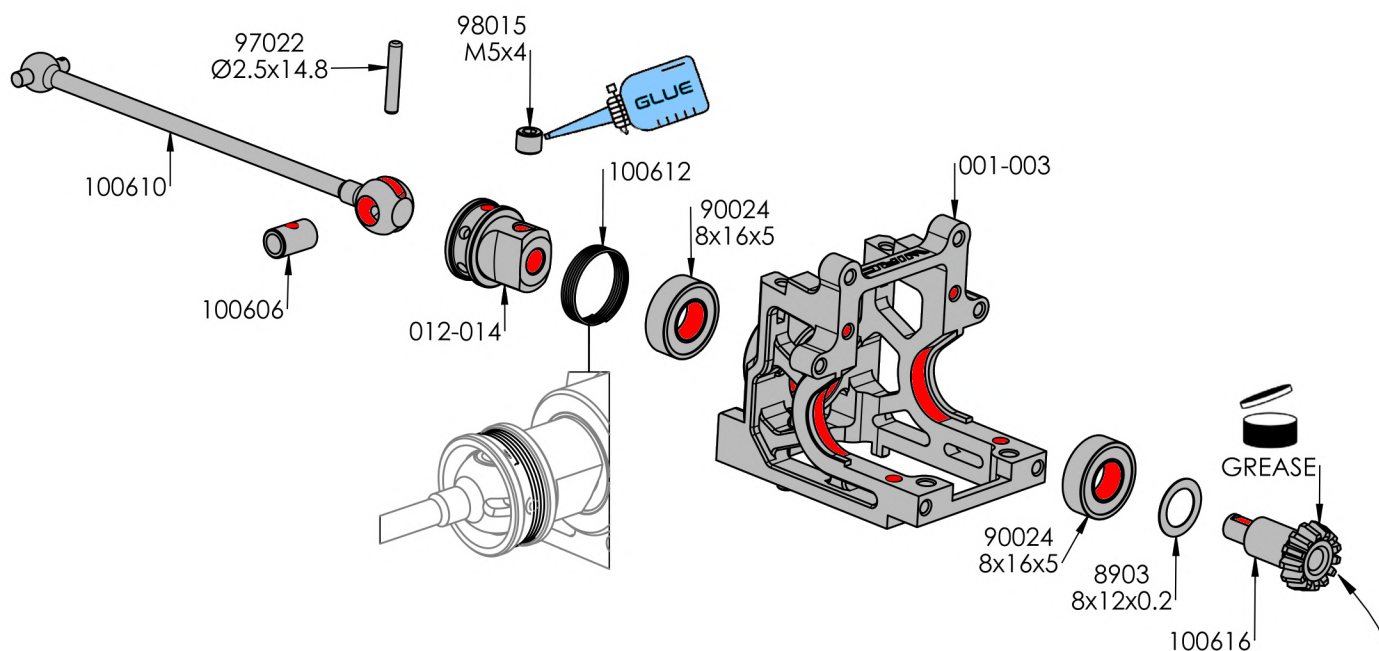
3



4

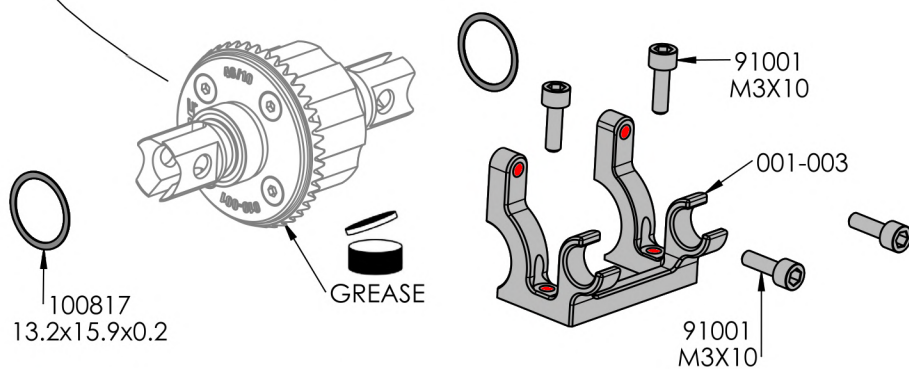


Front Transmission



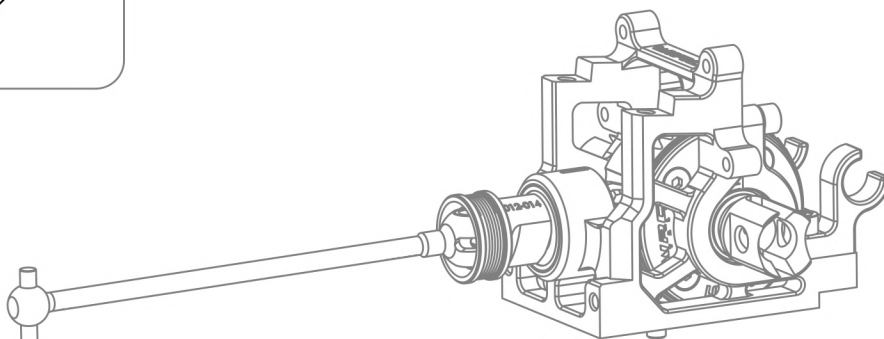
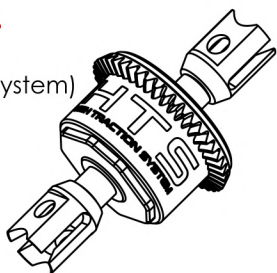
Use shims to adjust play
between diff. and housing

Leave 0.2mm of free play!

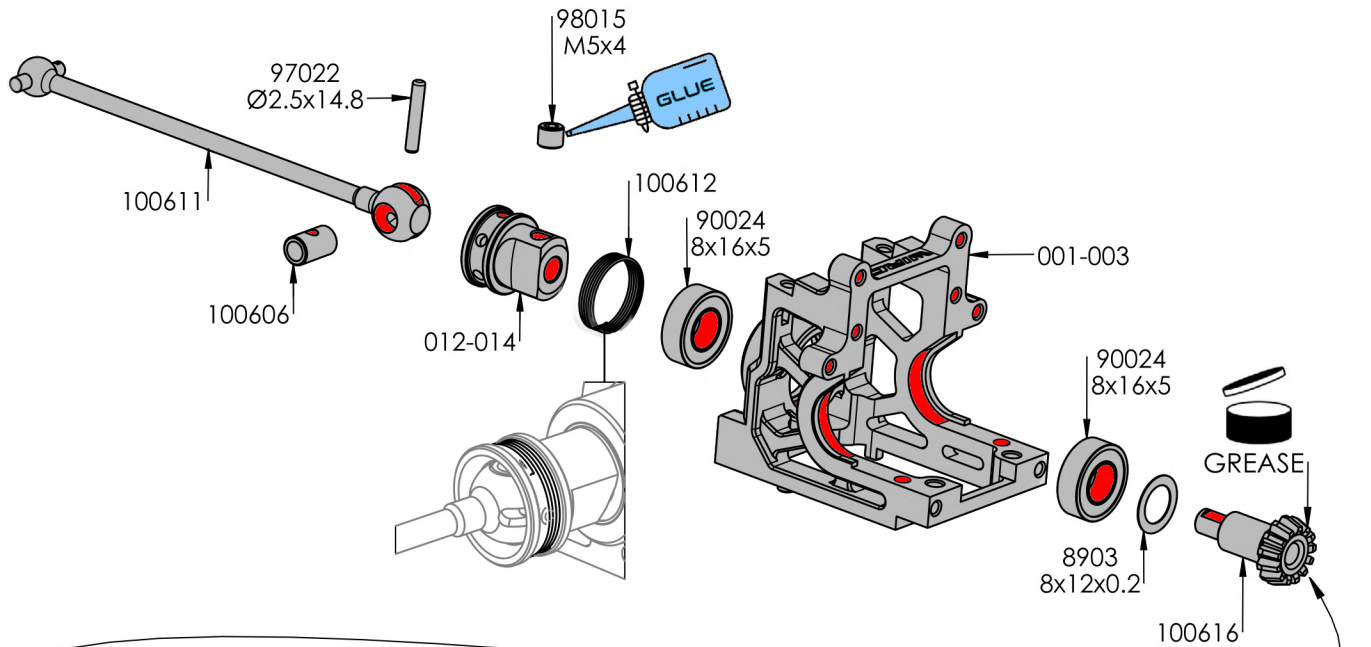


OPTIONAL

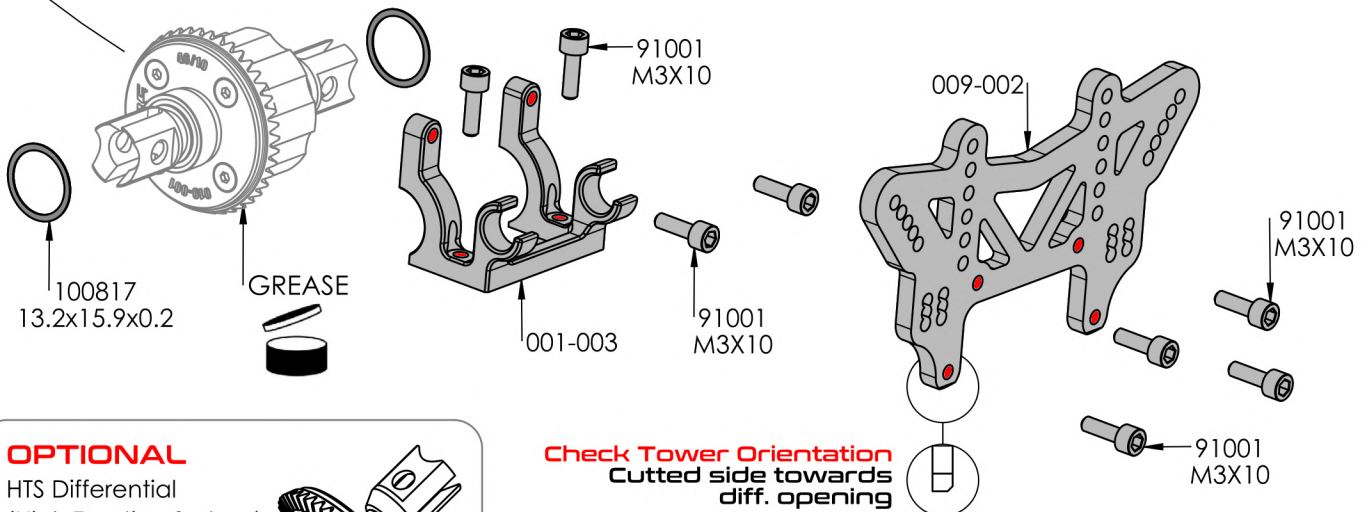
HTS Differential
(High Traction System)
018-000



Rear Transmission

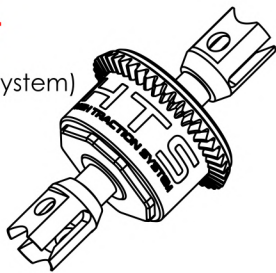


Use shims to adjust play
between diff. and housing
Leave 0.2mm of free play!

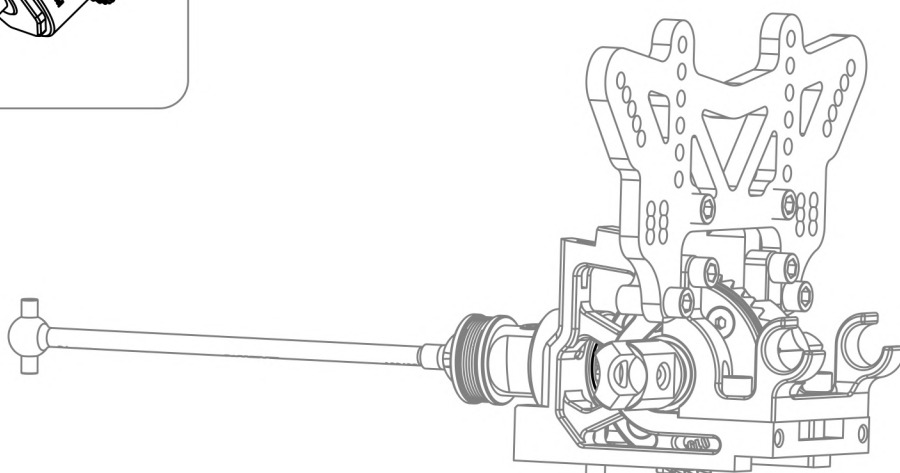


OPTIONAL

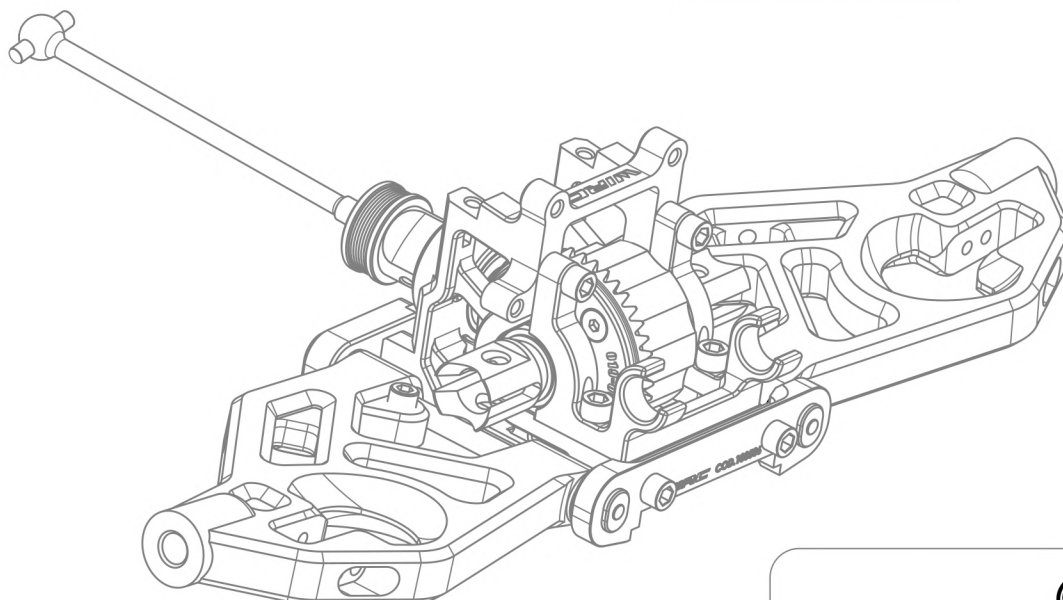
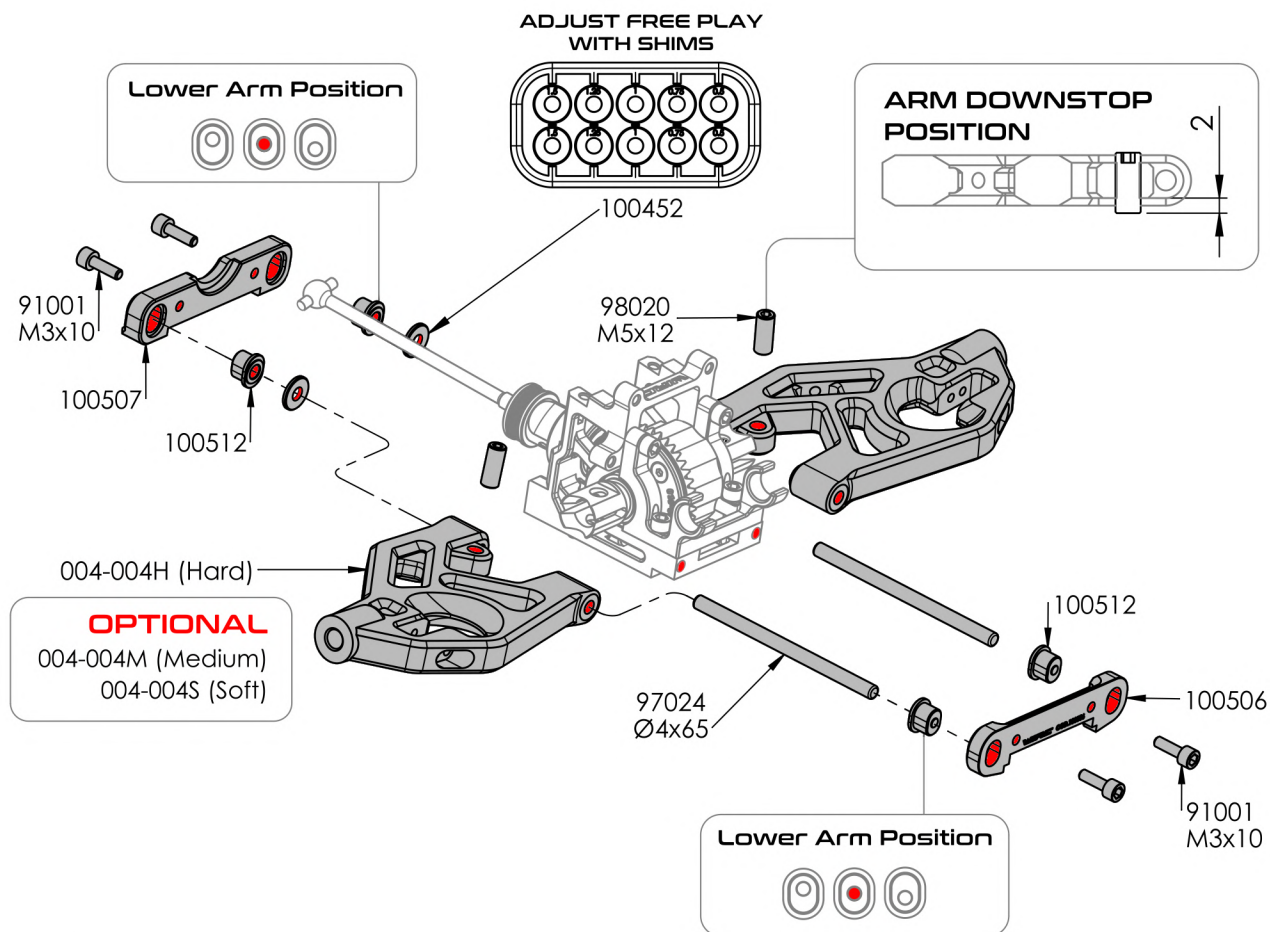
HTS Differential
(High Traction System)
018-000



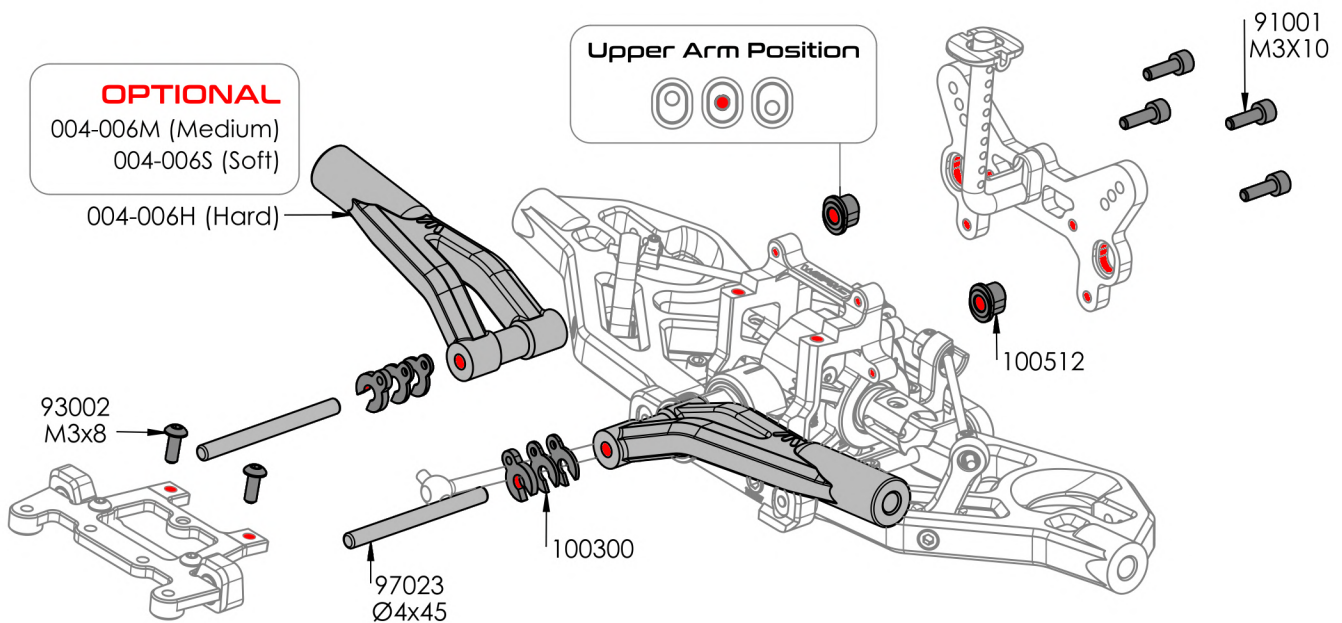
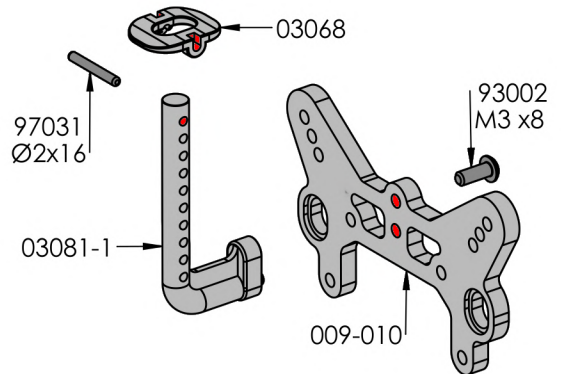
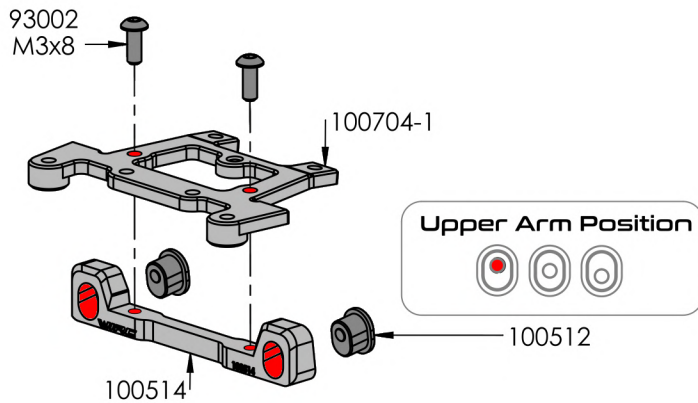
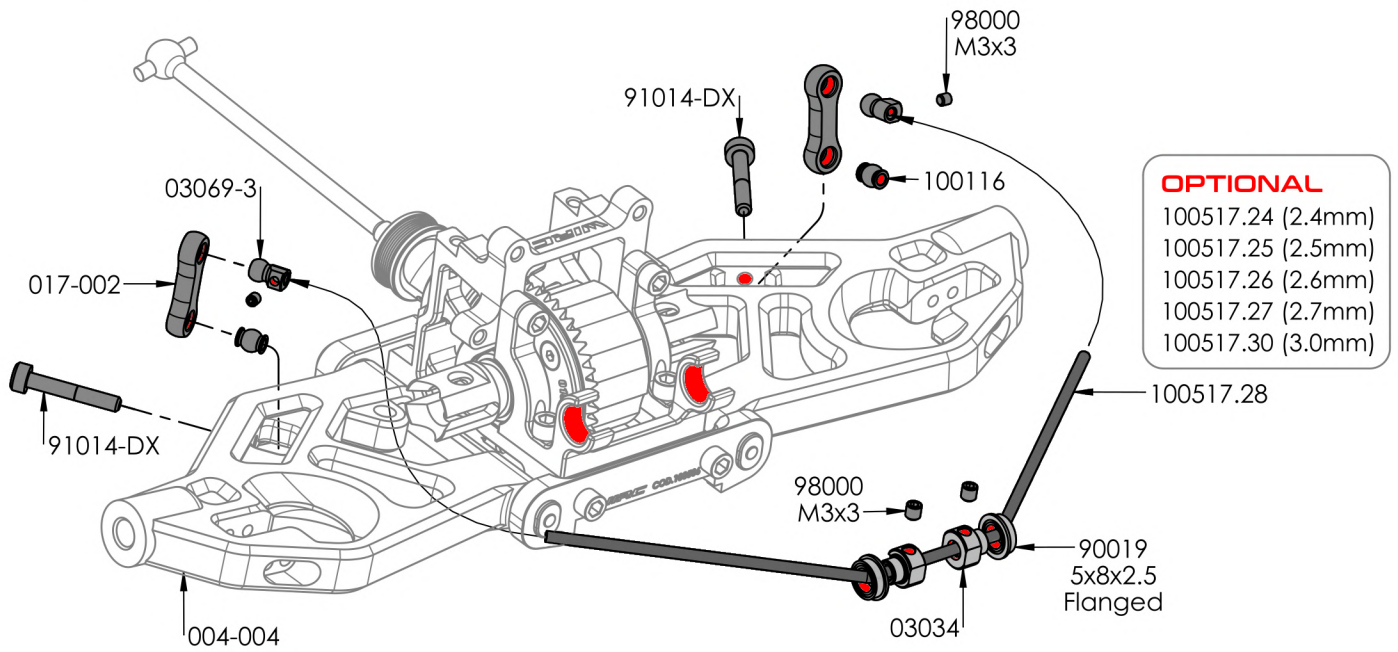
Check Tower Orientation
Cutted side towards
diff. opening



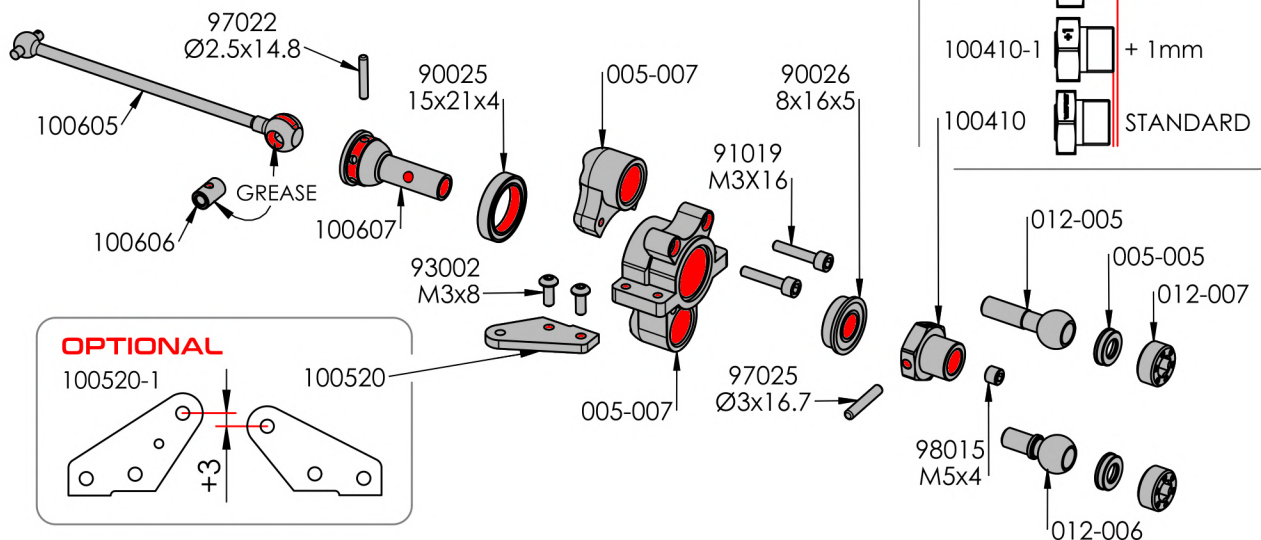
Front Suspension



Front Suspension

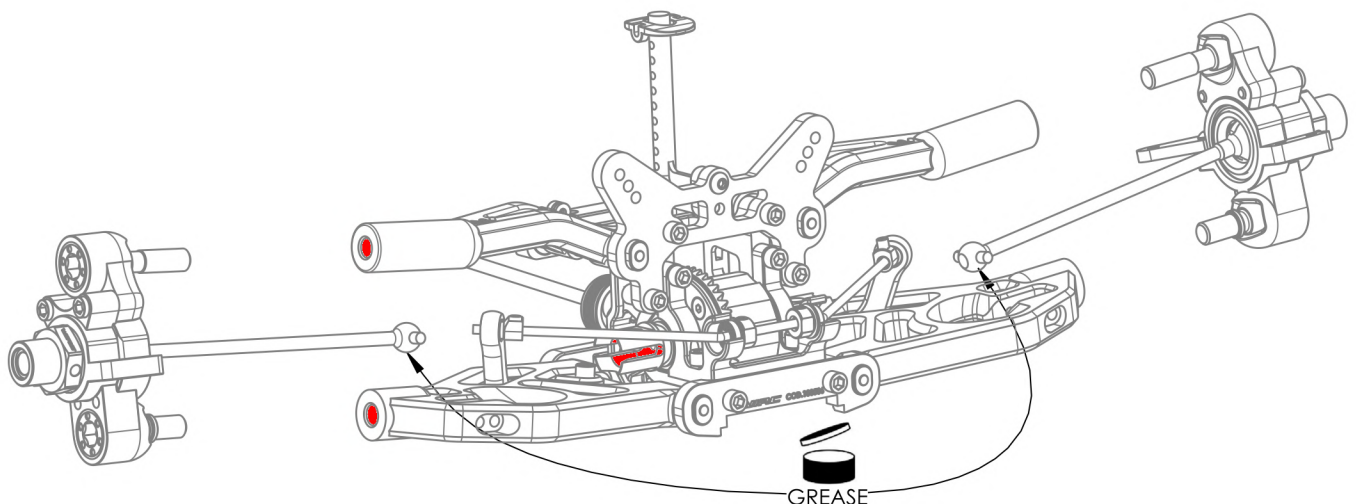
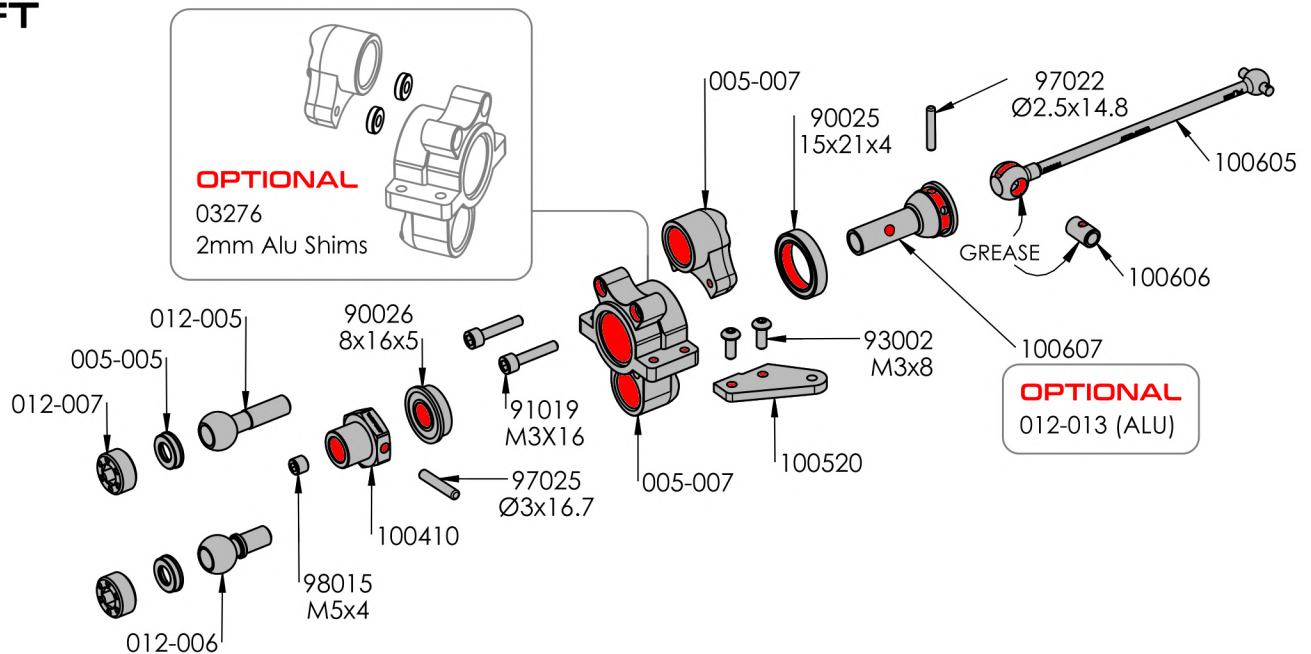


Front Upright

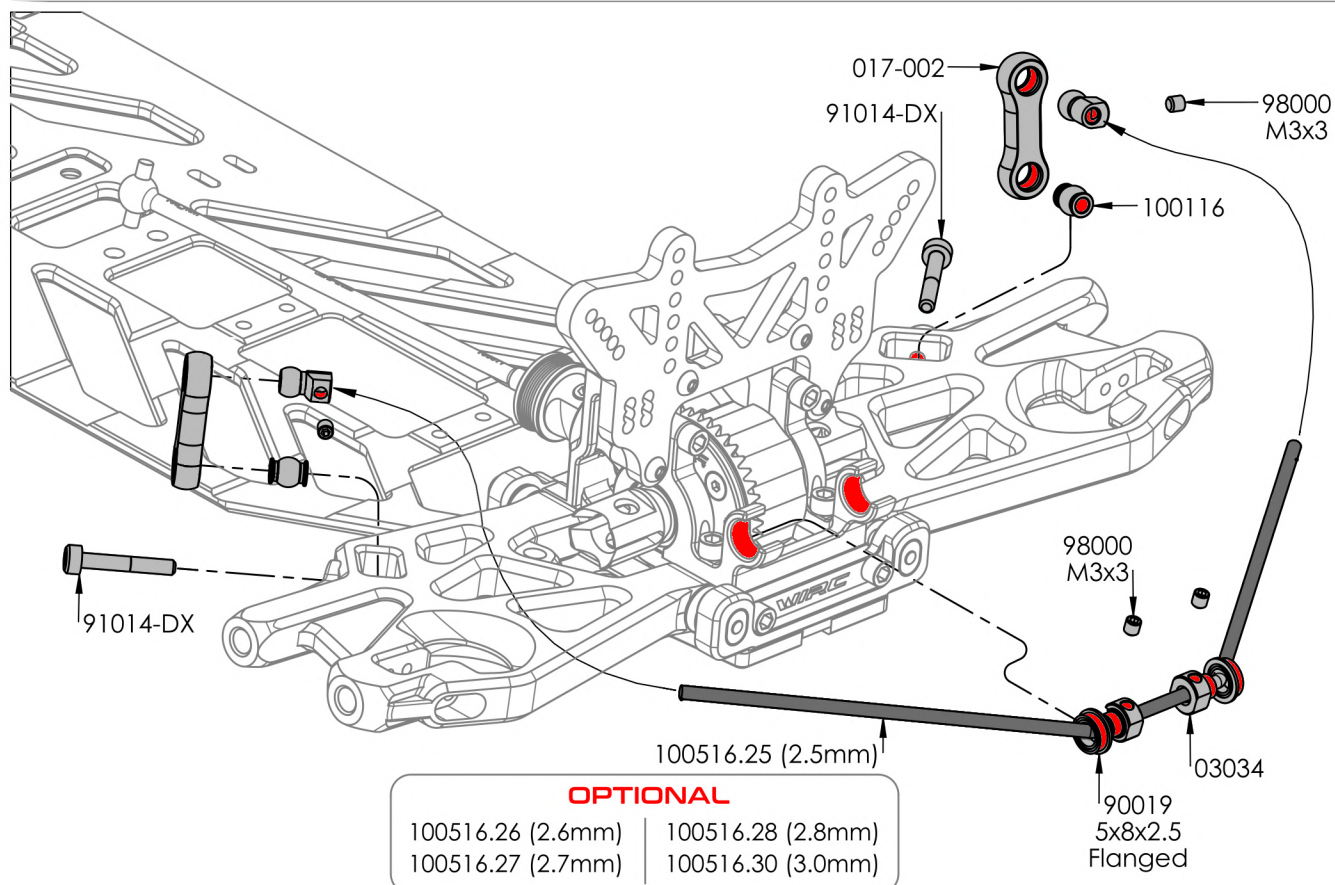
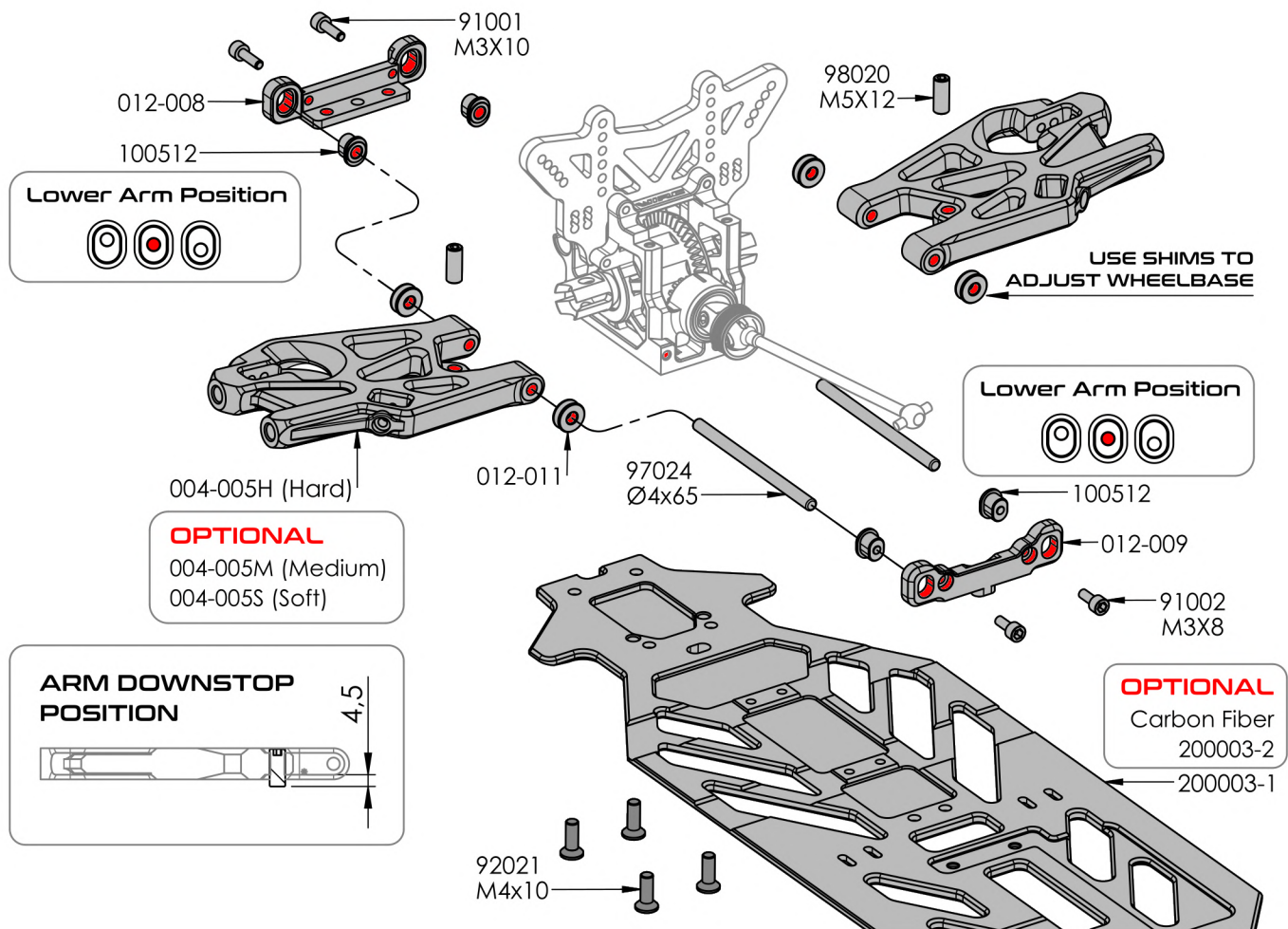


RIGHT

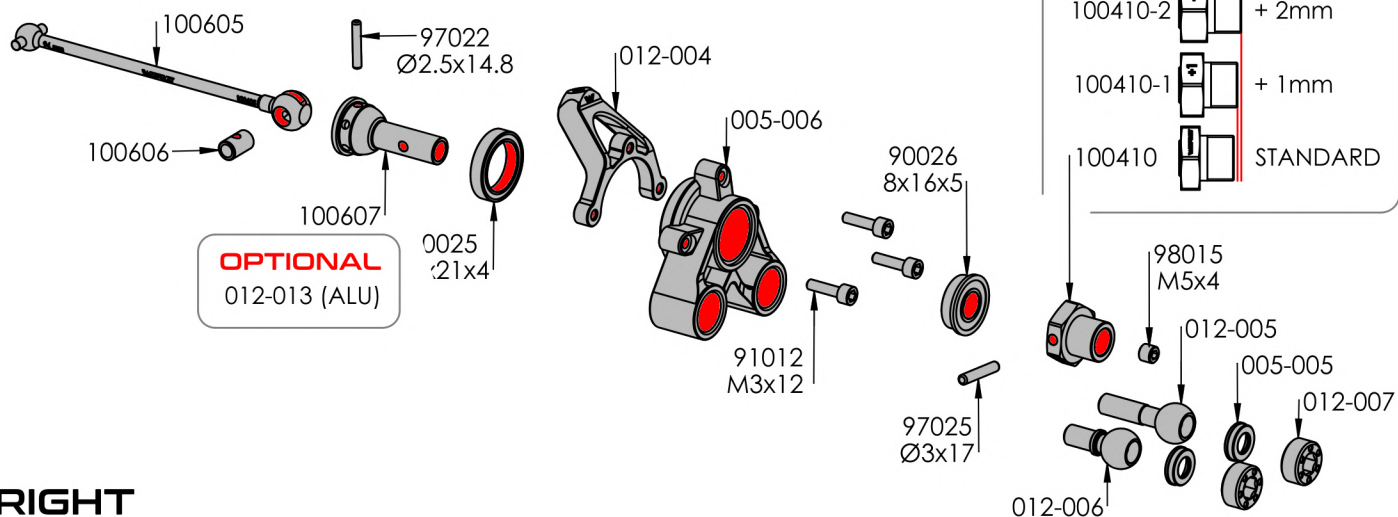
LEFT



Rear Suspension

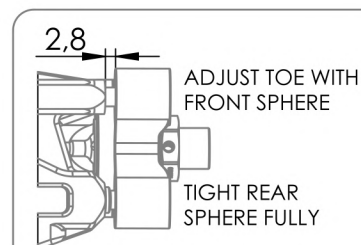
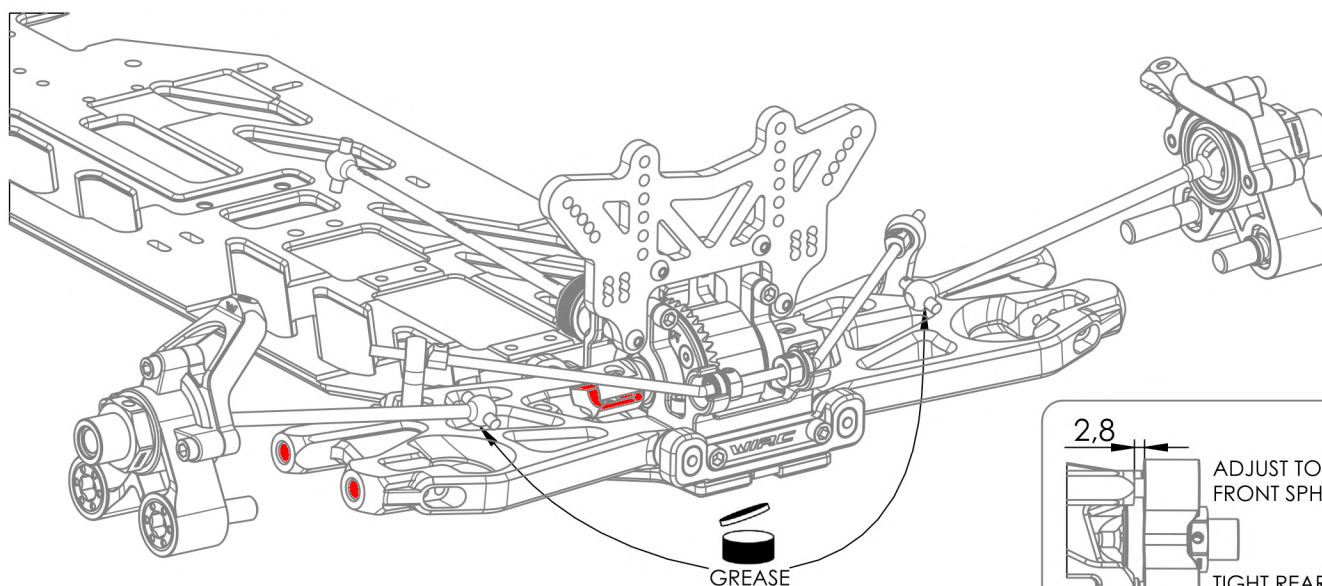
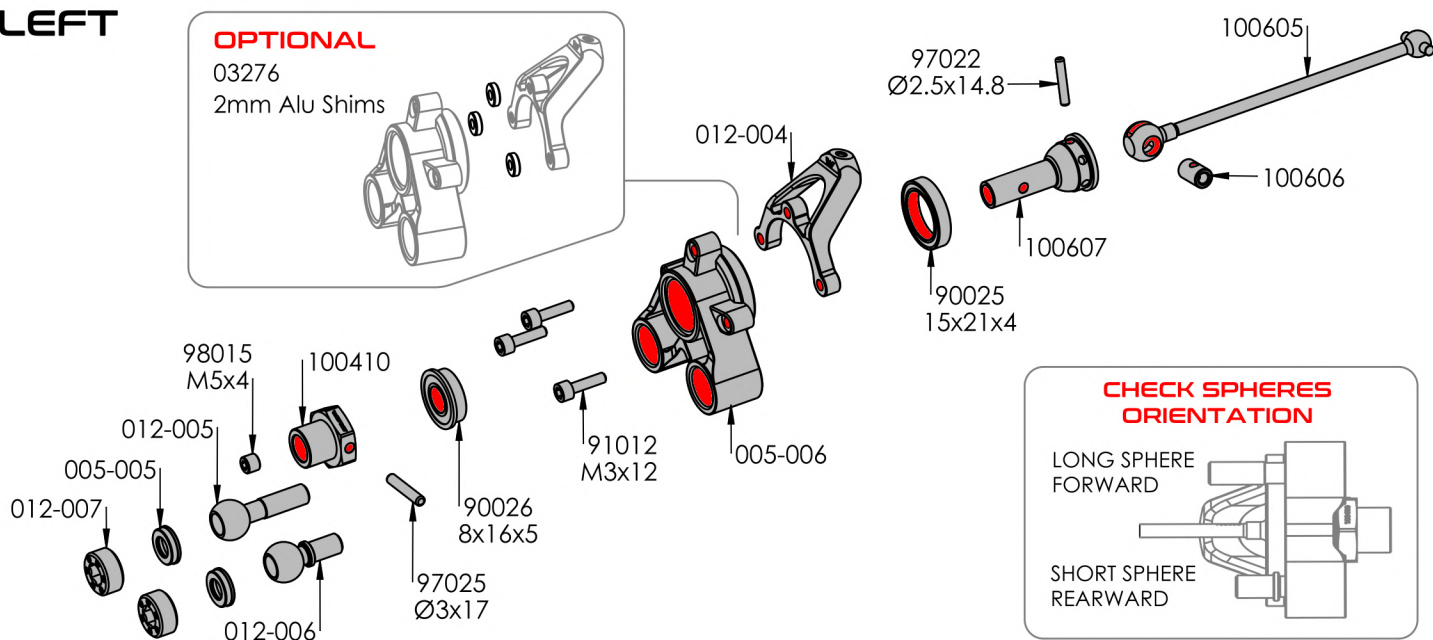


Rear Suspension

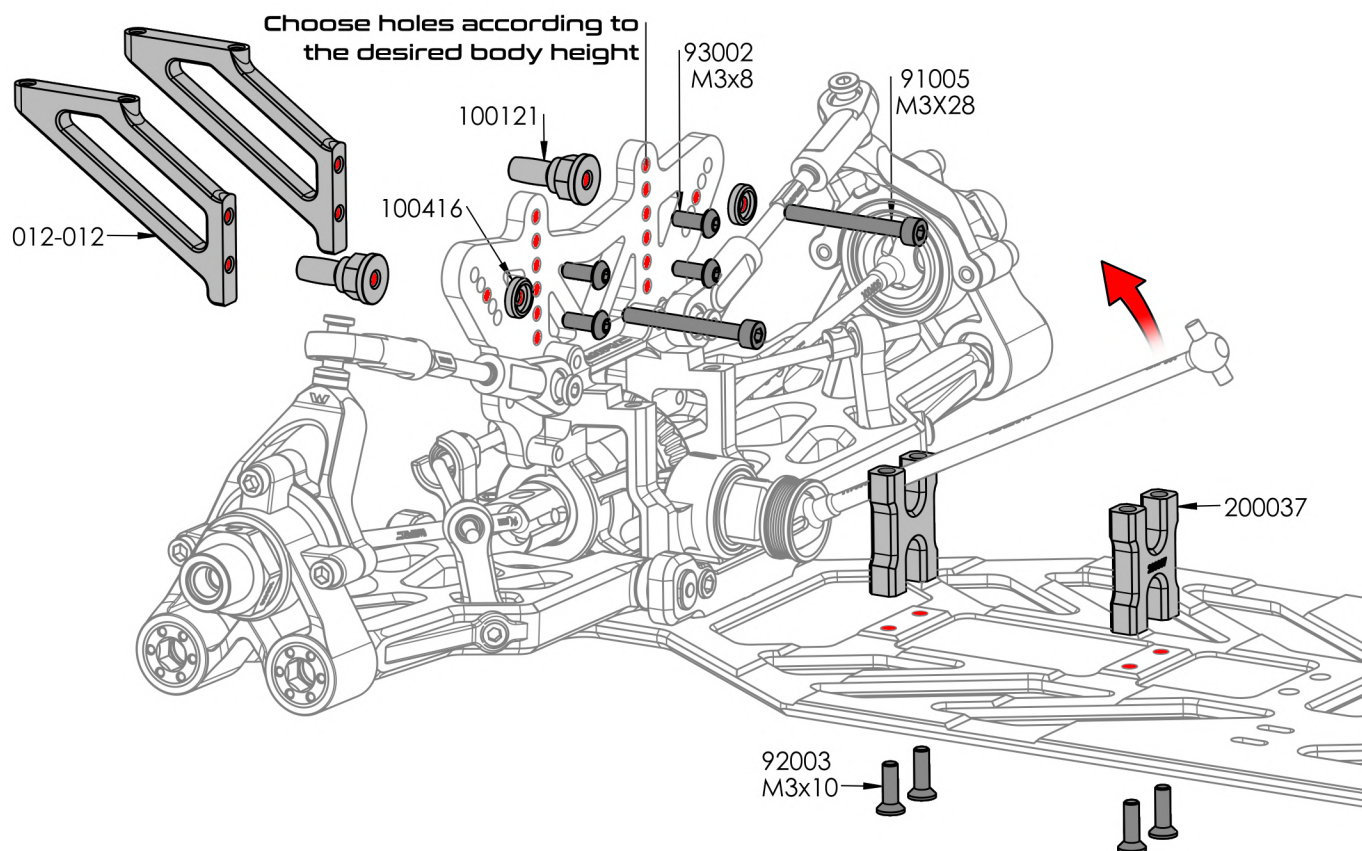
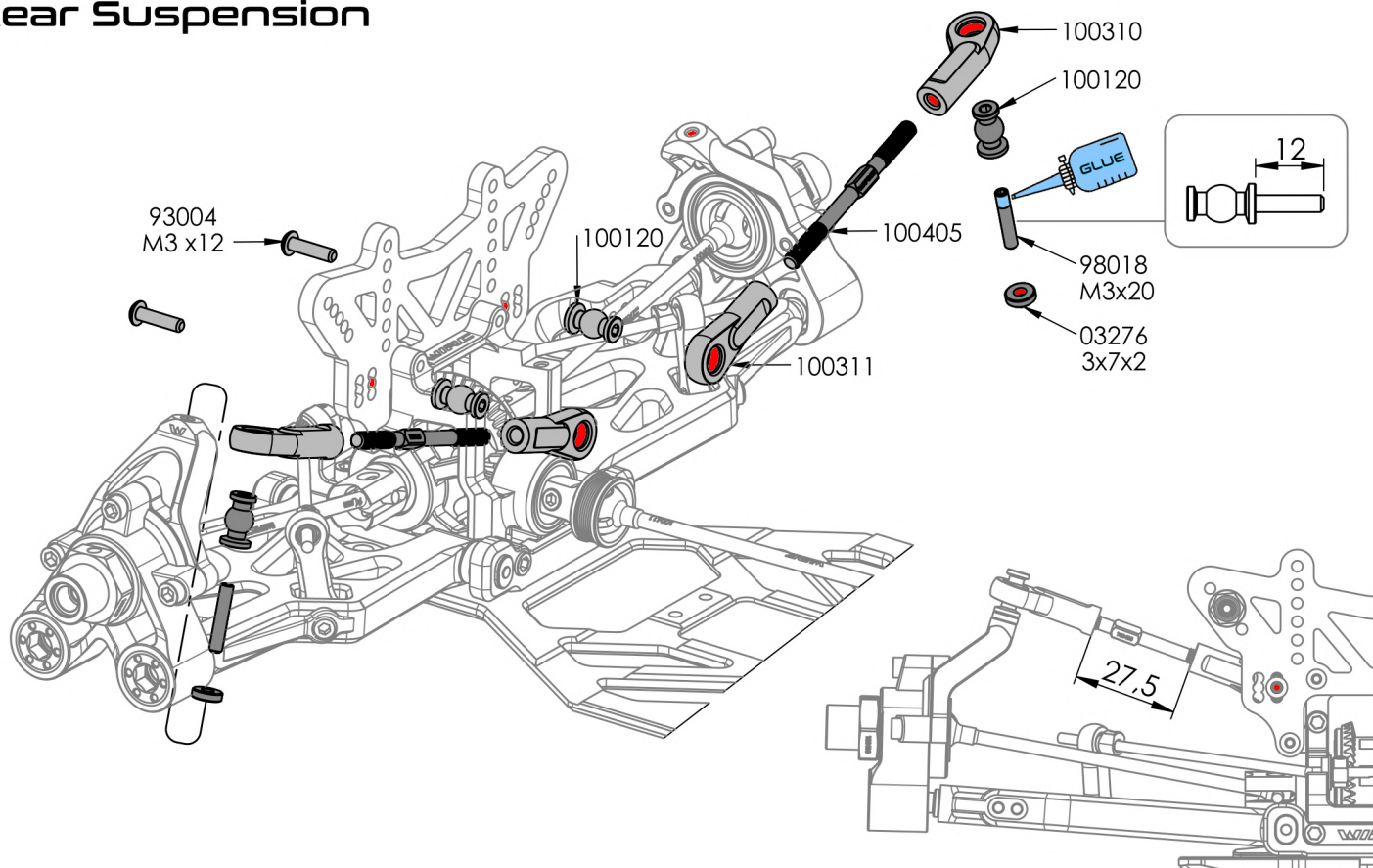


RIGHT

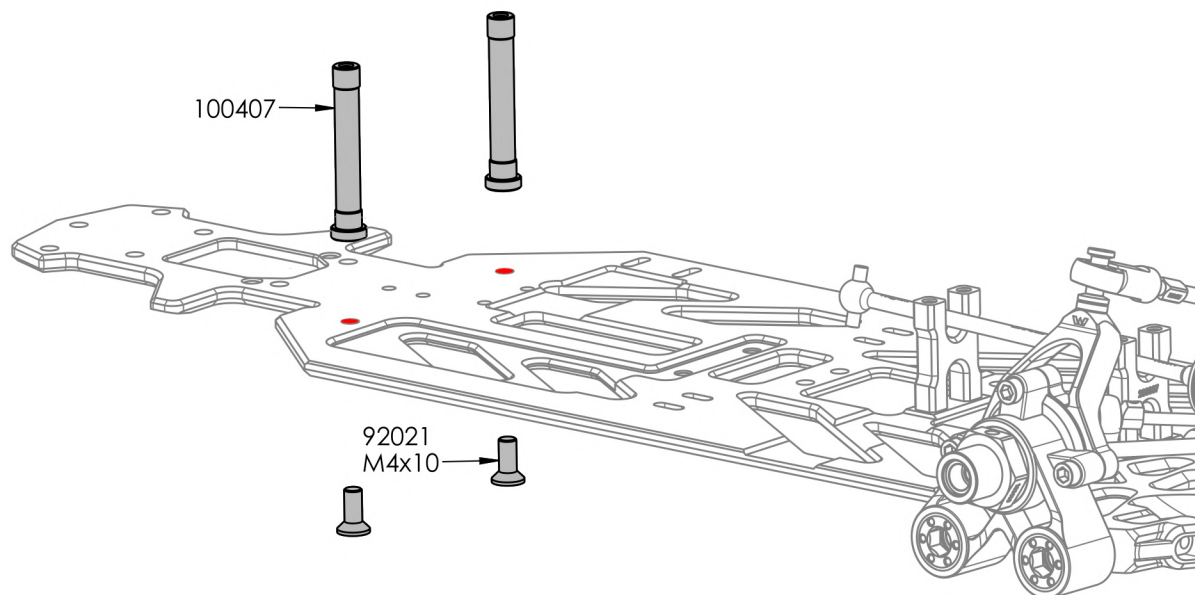
LEFT



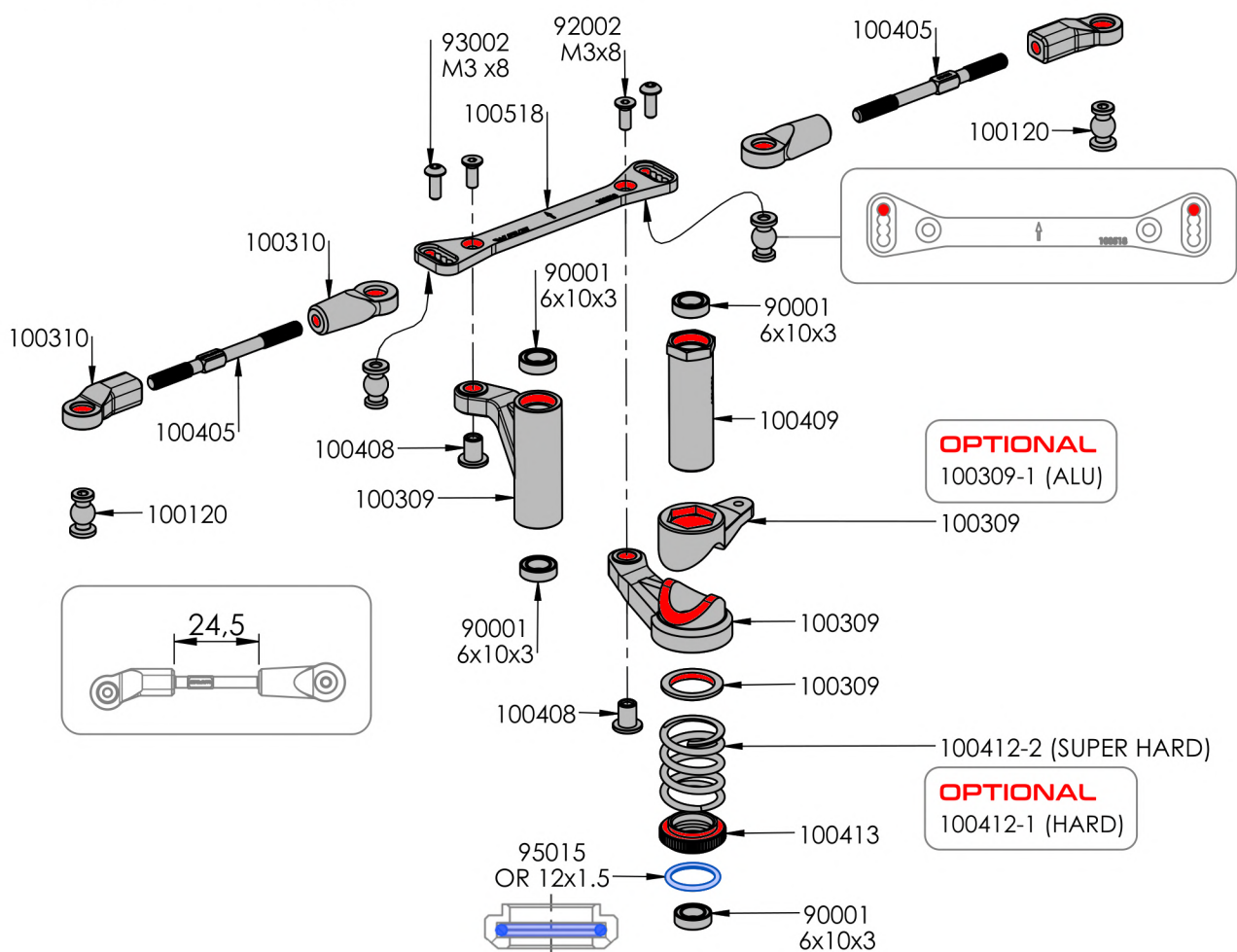
Rear Suspension



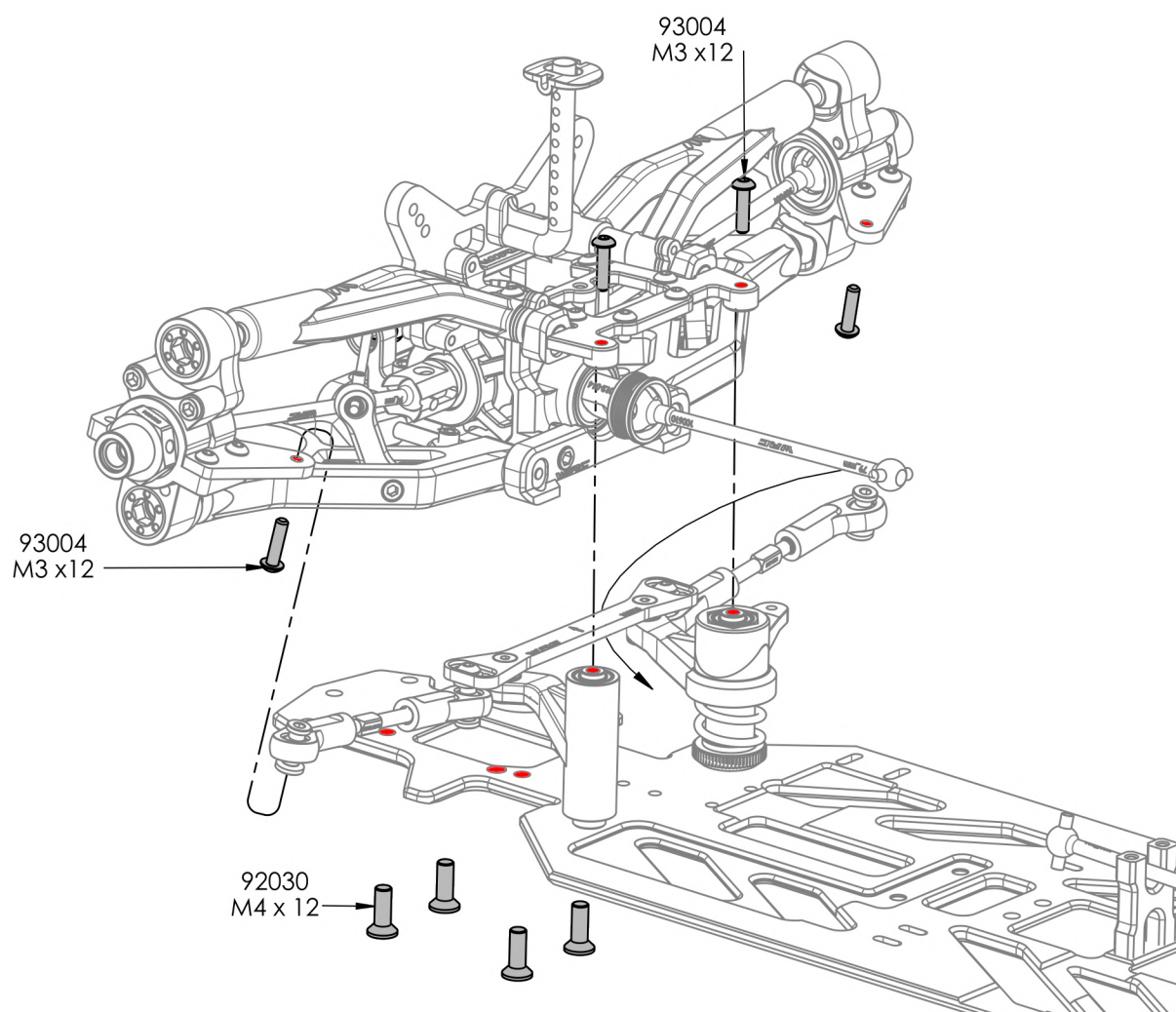
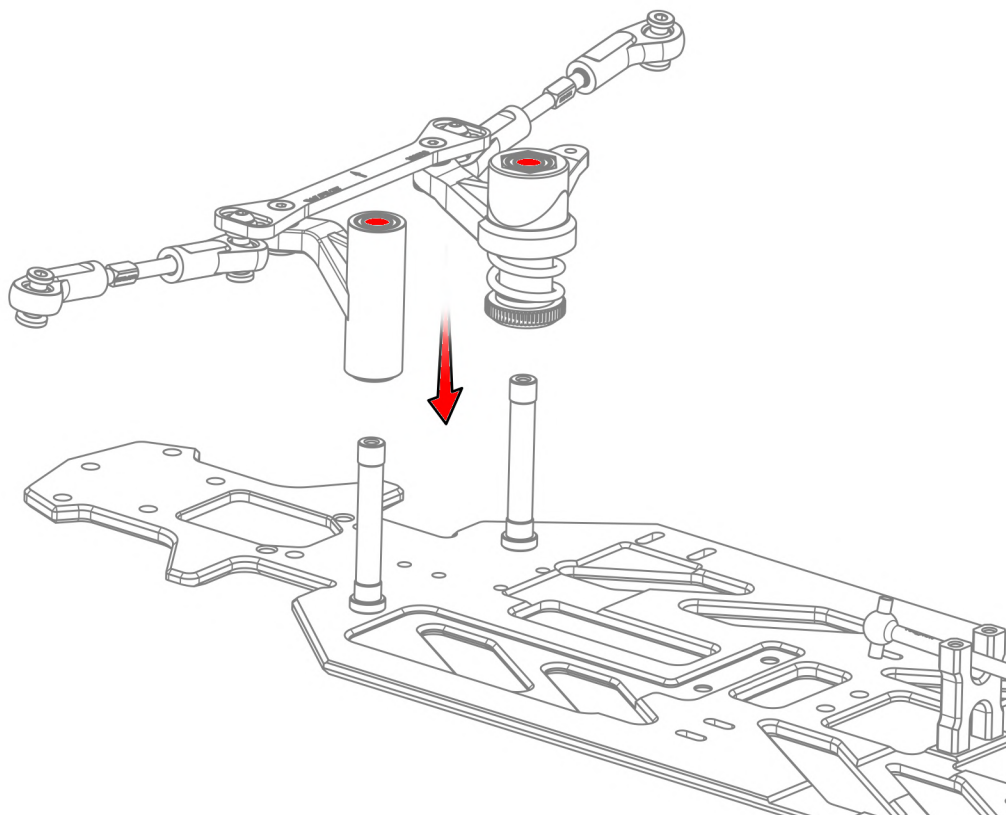
Front Assembly



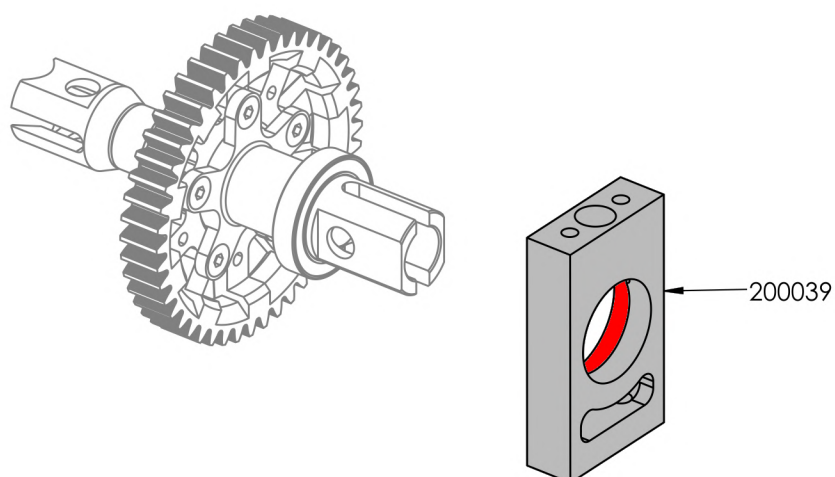
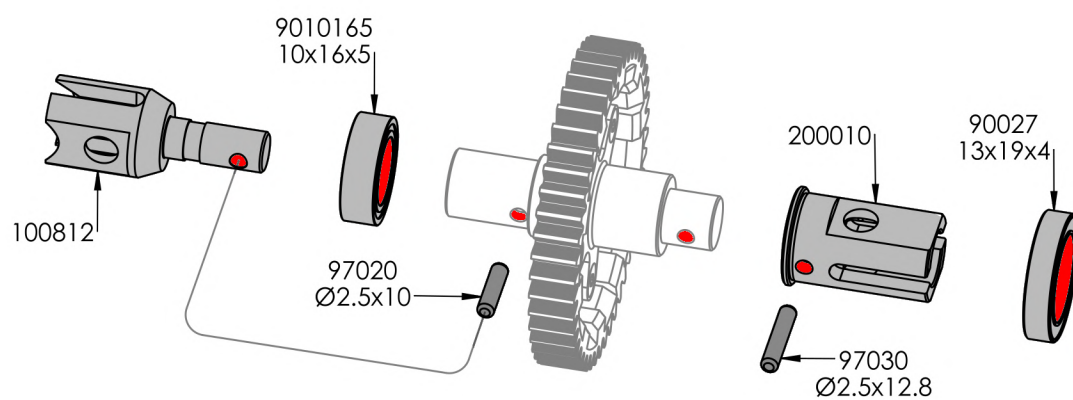
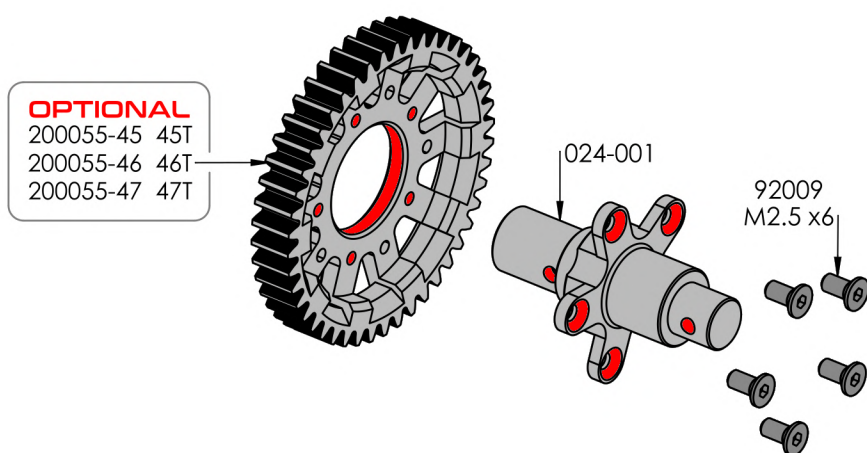
Steering Assembly

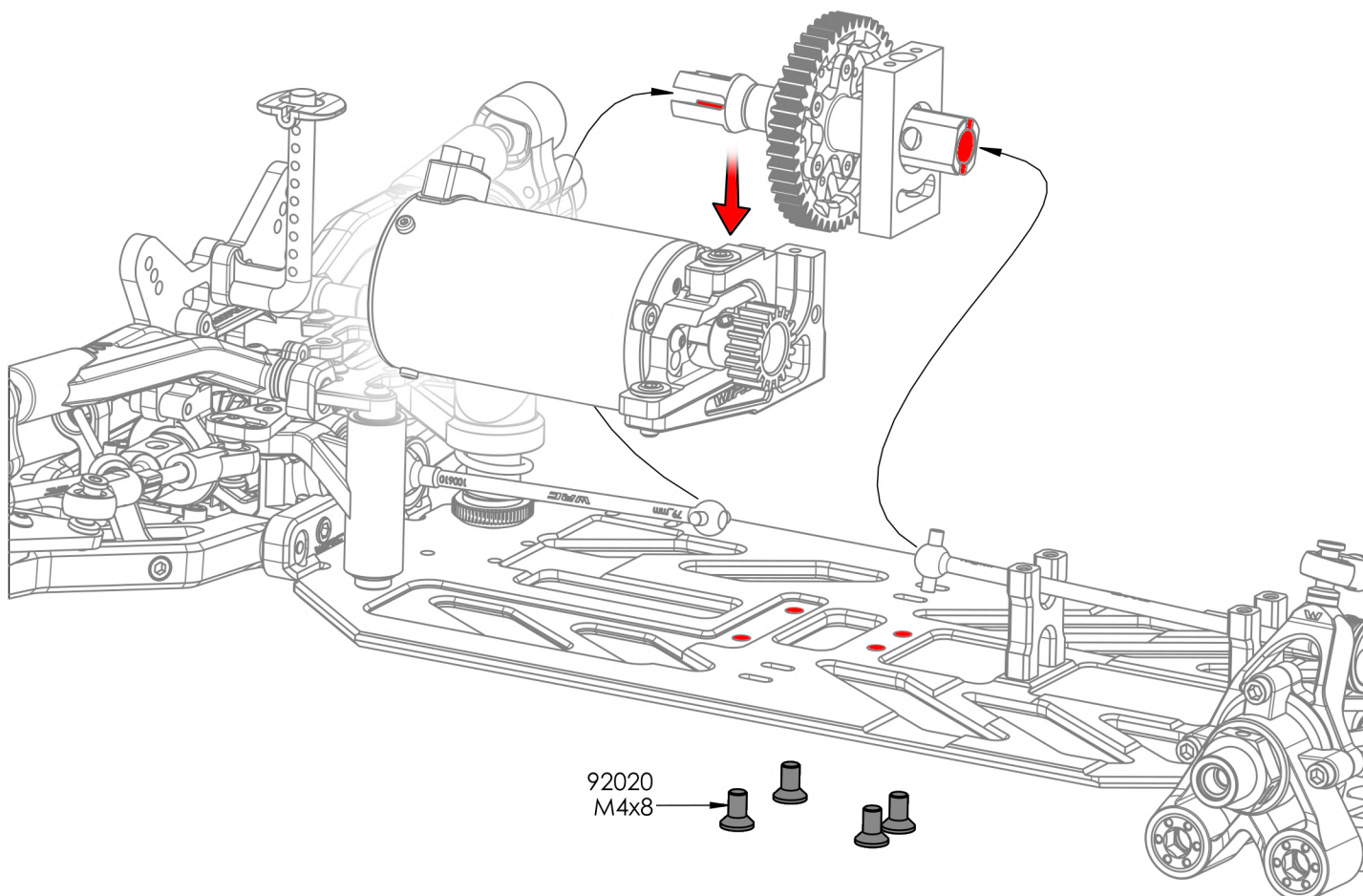
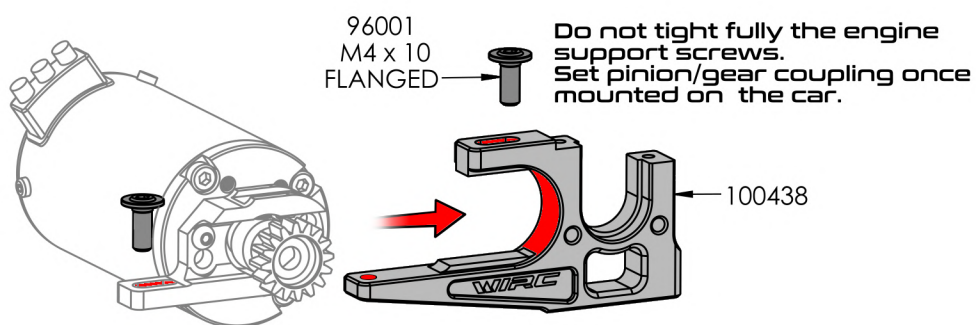
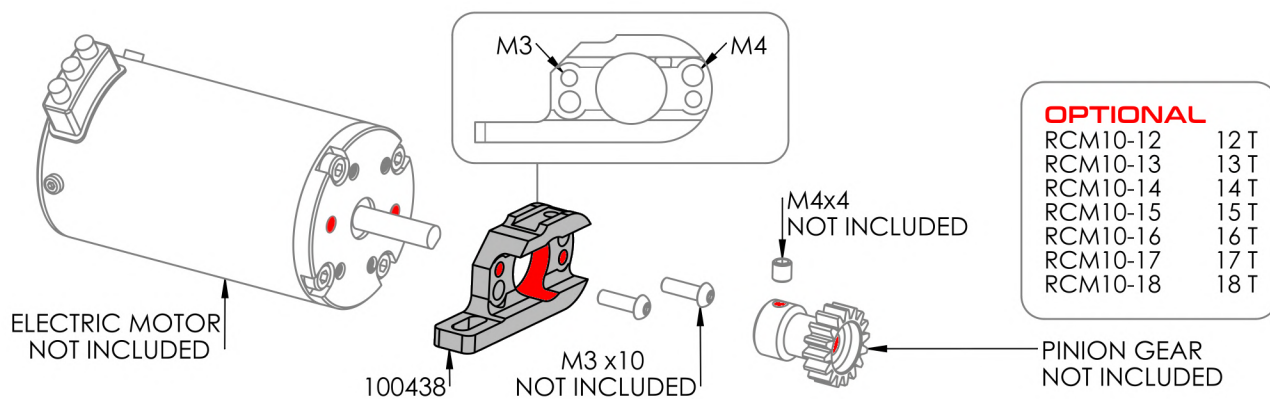


Front Assembly

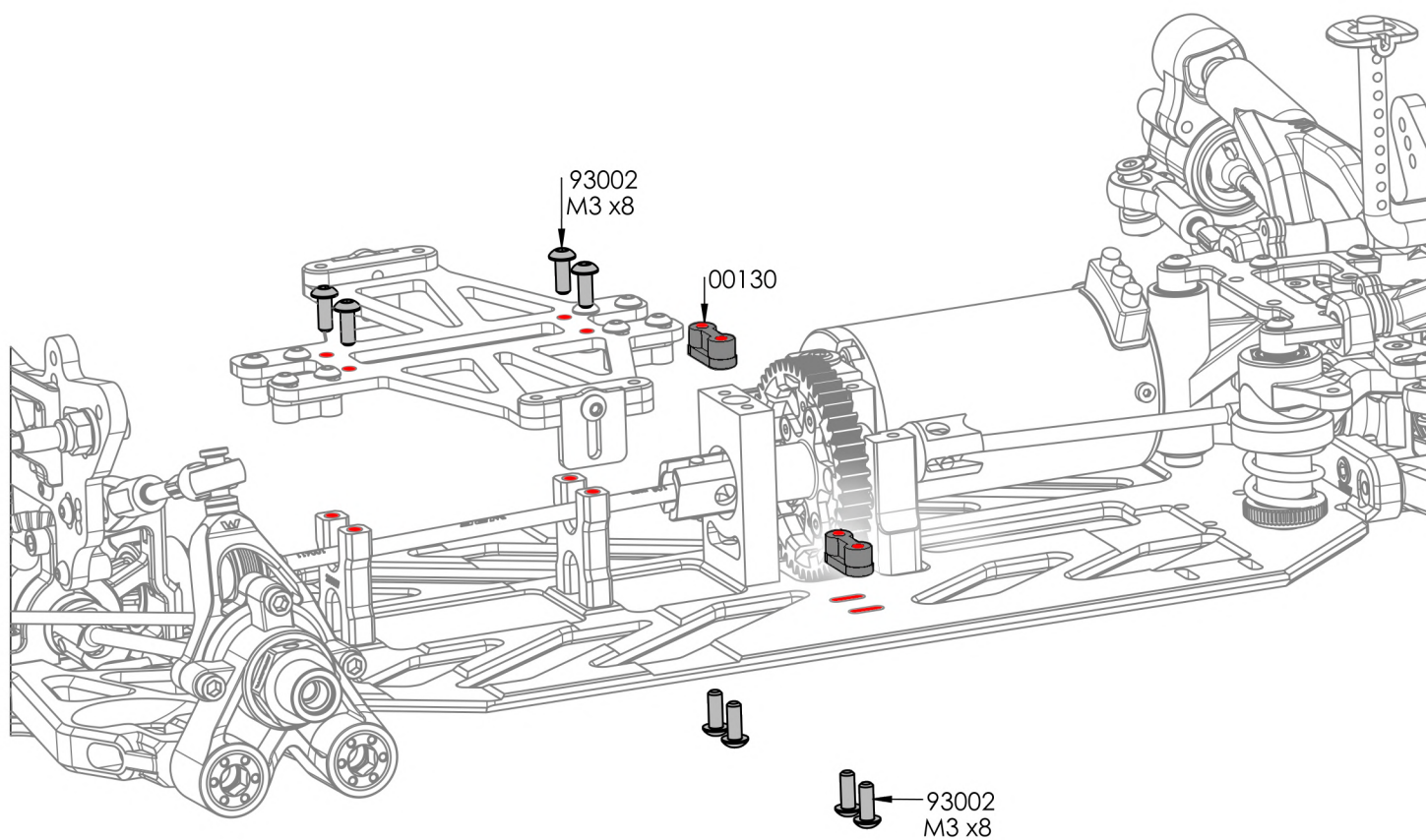
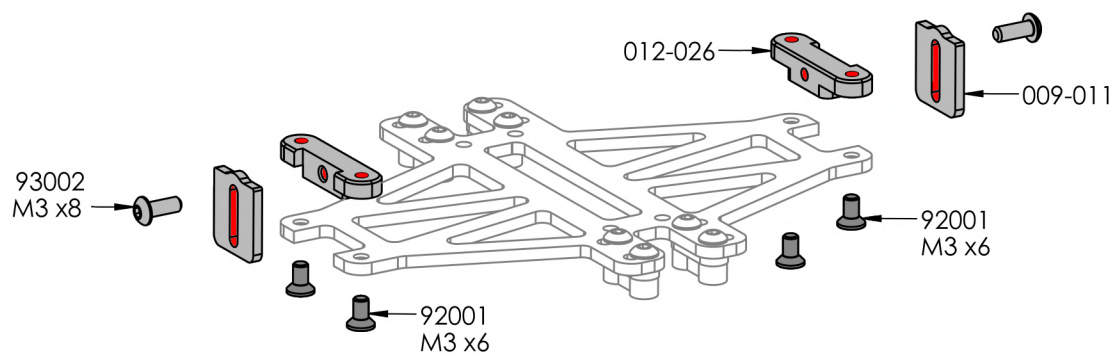
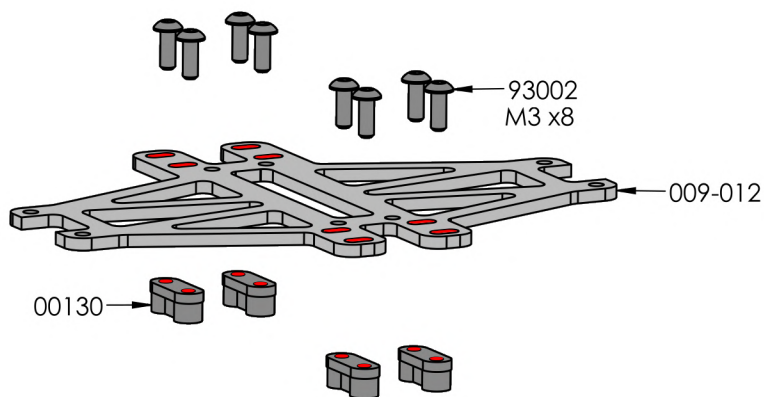


Central Transmission

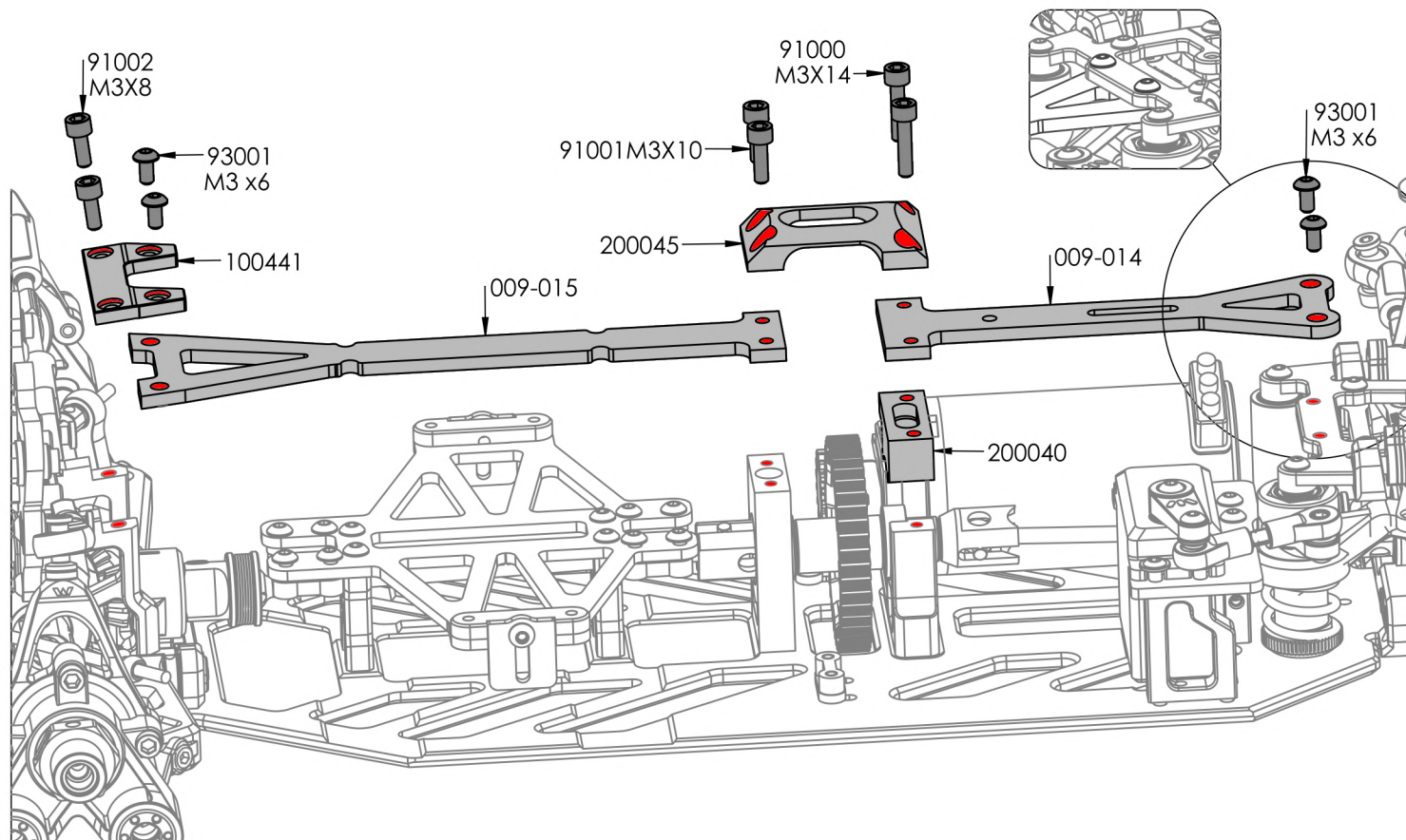
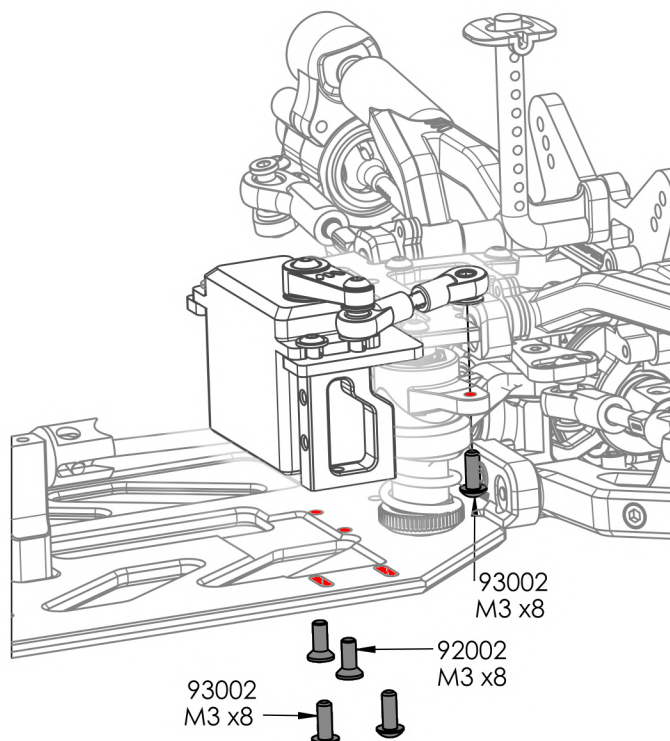
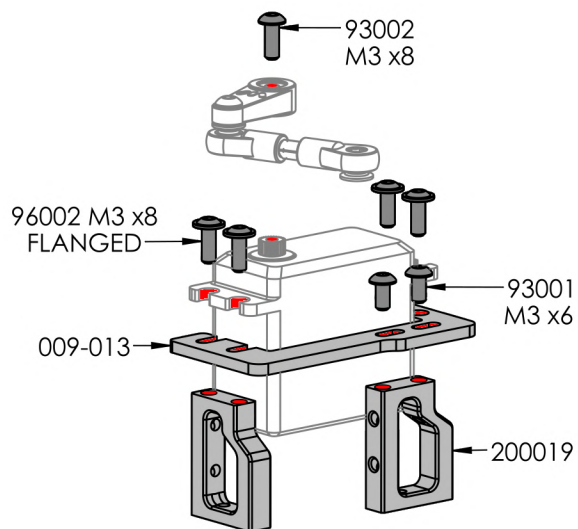
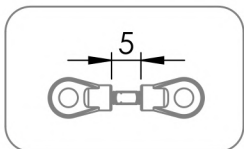
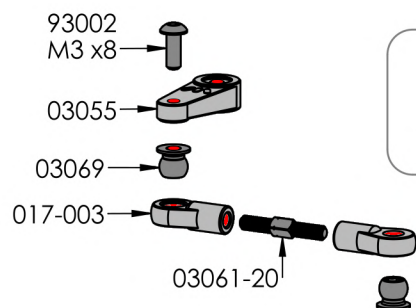




Battery Holder



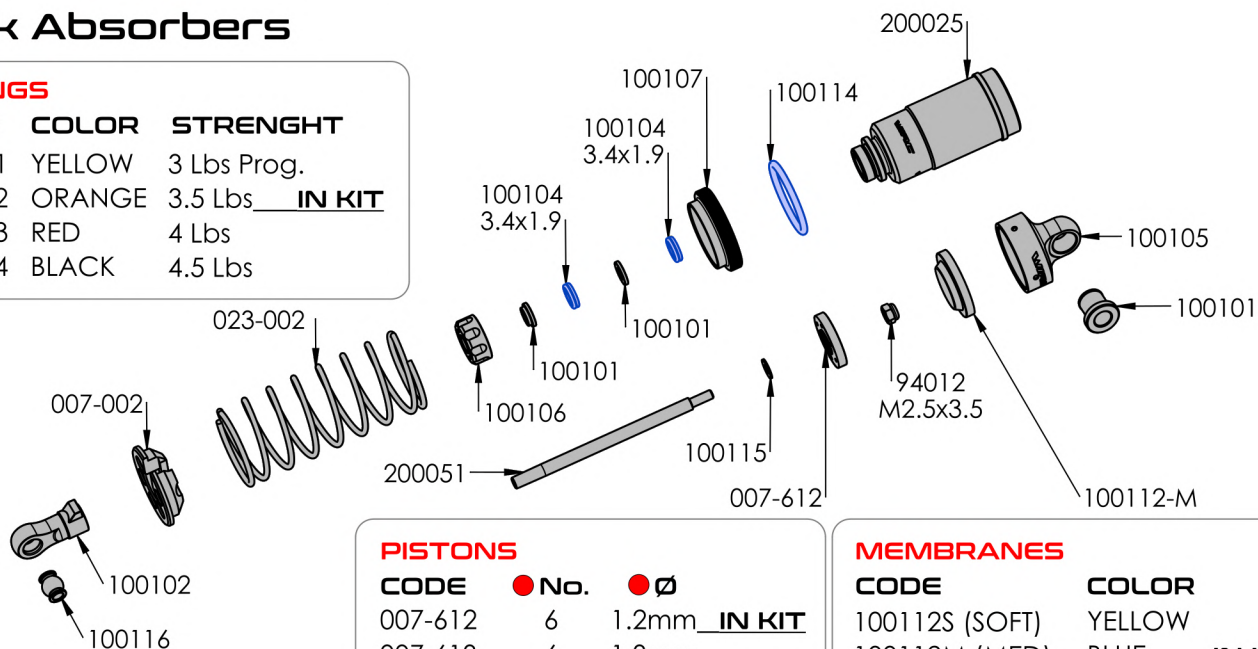
Steering Servo & Upperdeck



Shock Absorbers

SPRINGS

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



PISTONS

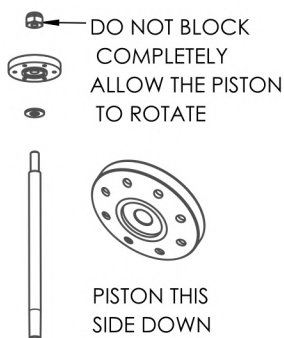
CODE	● No.	● Ø
007-612	6	1.2mm <u>IN KIT</u>
007-613	6	1.3mm
007-812	8	1.2mm
007-813	8	1.3mm

MEMBRANES

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

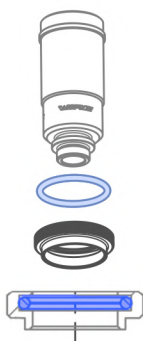
ASSEMBLE 4 SETS

1



PISTON THIS
SIDE DOWN

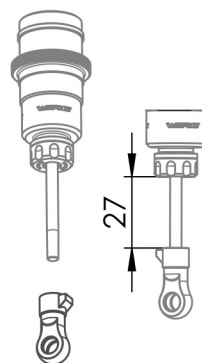
2



4



5



27

6



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.

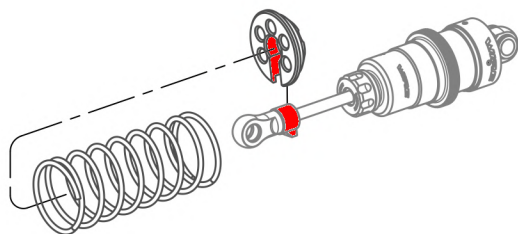
Pull the piston rod most of the way out of the shock bod. Let the shock rest for 5 minutes to allow the air bubbles to scape.

P-ONE SHOCKS OIL

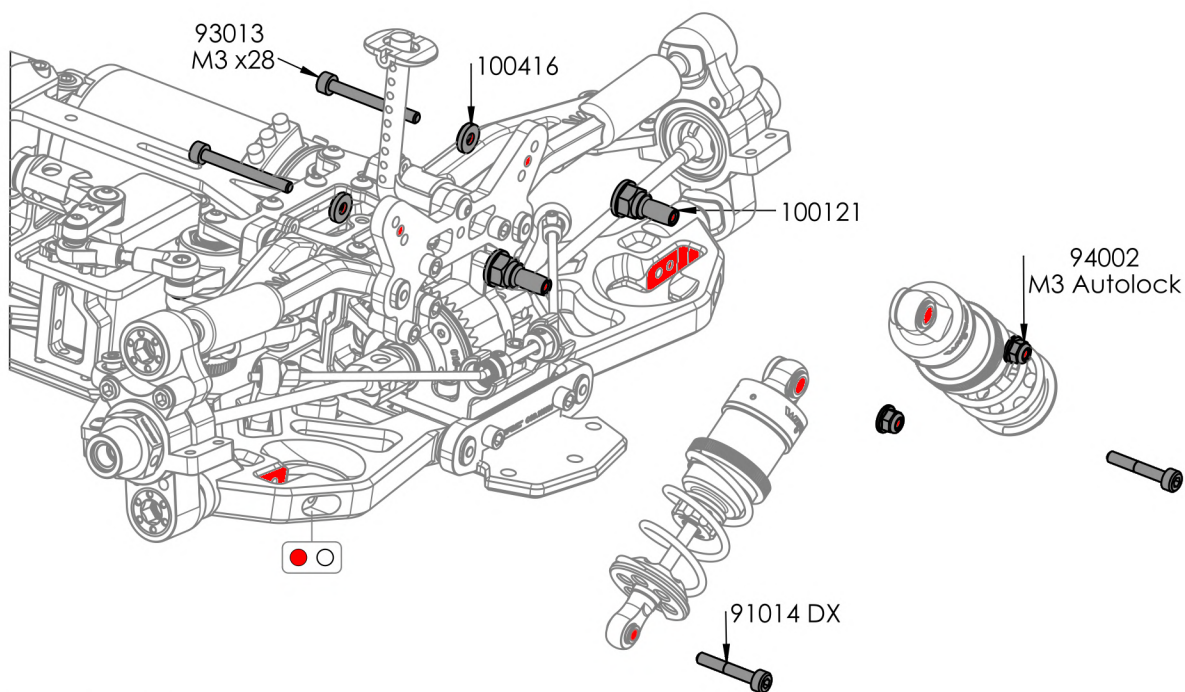
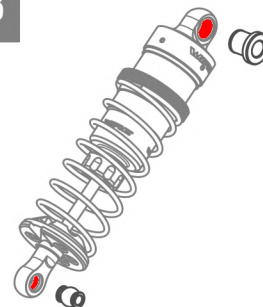
CODE	CST
SO-400	400
SO-500	500
SO-600	600
SO-700	700
SO-800	800
SO-900	900 <u>IN KIT</u>
SO-1000	1000

Shock Absorbers

7

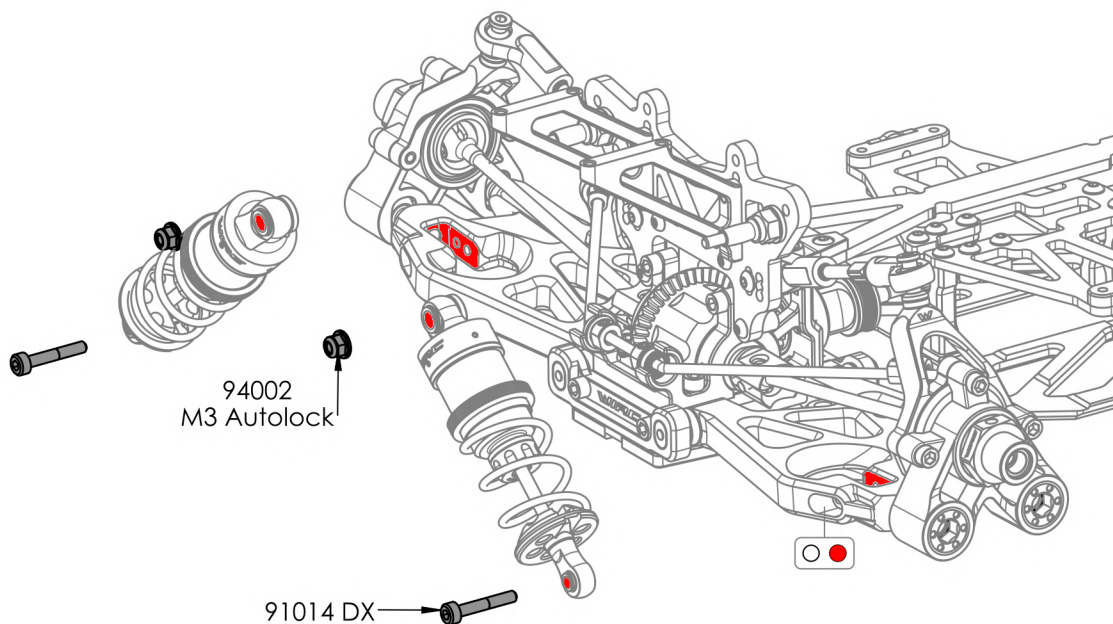


8

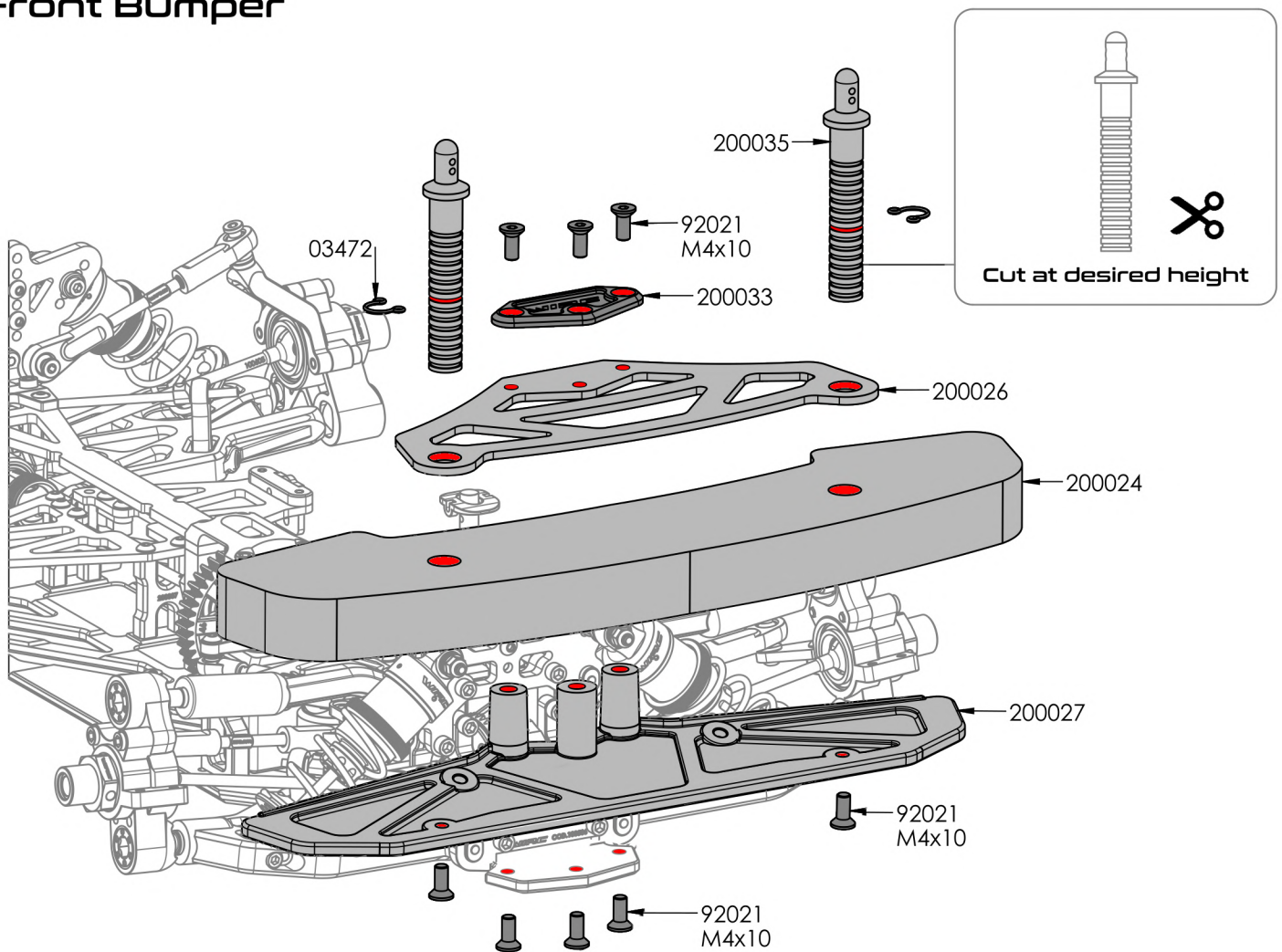


FRONT

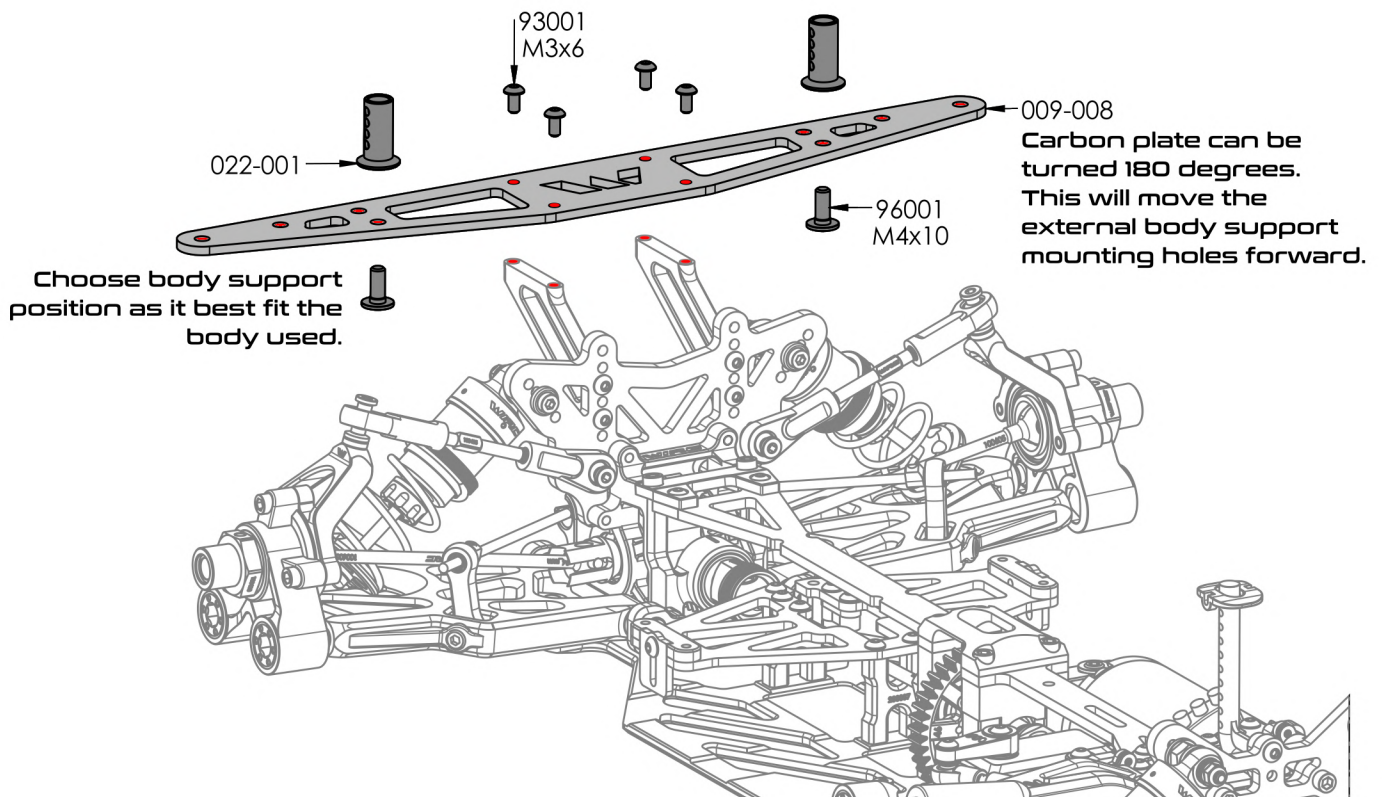
REAR

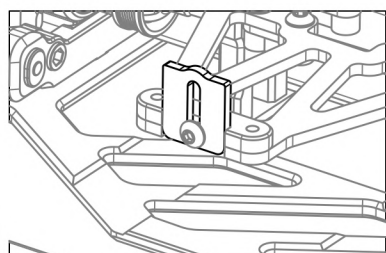
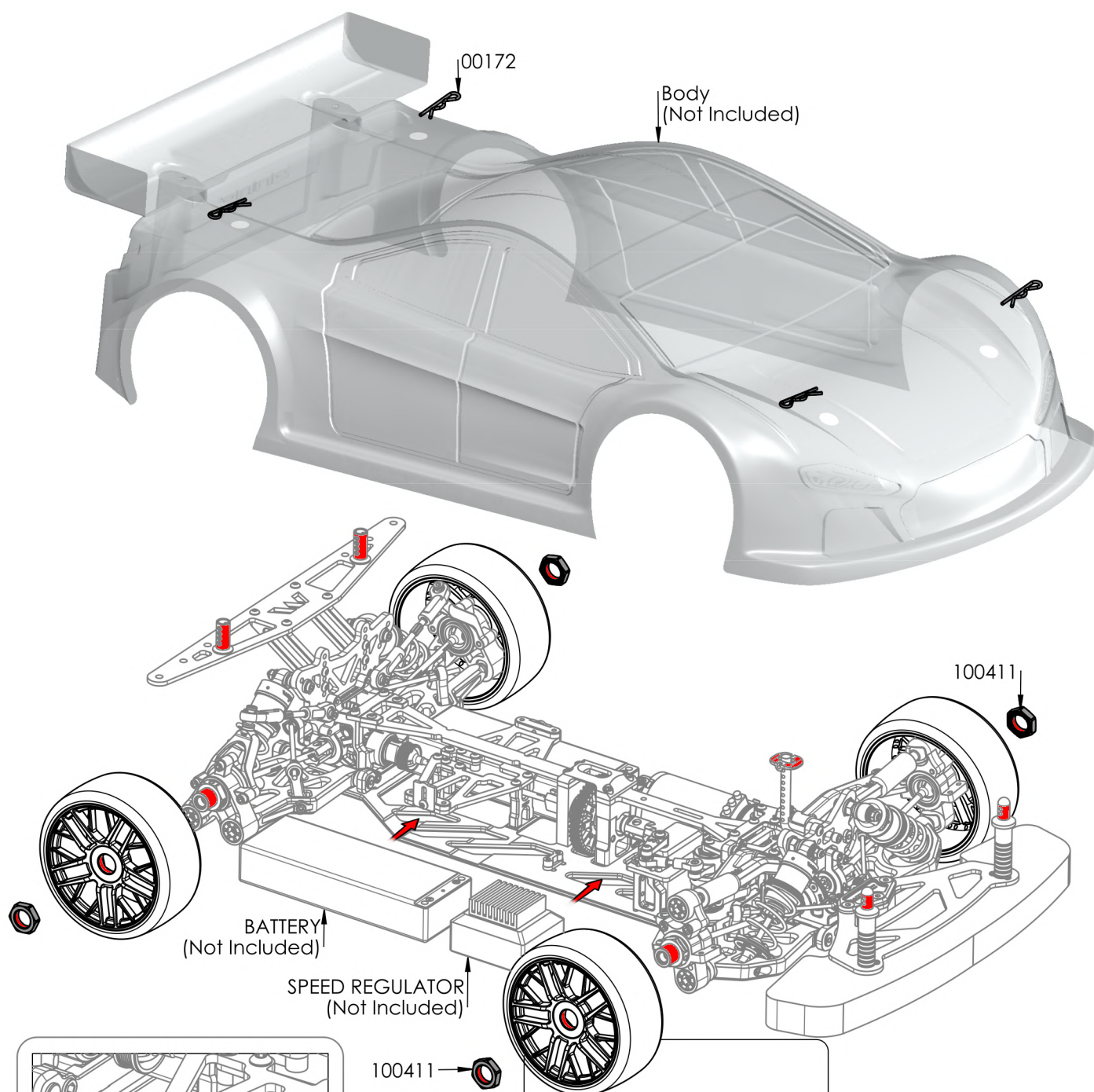


Front Bumper



Rear Body Support





SLIDE THE CARBON PLATE UP TO INSERT THE BATTERY. ONCE BATTERY IS IN PLACE SLIDE THE PLATE BACK IN POSITION AND TIGHT THE SCREW.

100411

TYRES NOT INCLUDED

P·ONE
HIGH PERFORMANCES

P-ONE PGT

TYRES AVAILABLE
SEPARATELY IN 3
DIFFERENT COMPOUNDS

SETUP SHEET

NAME _____
DATE _____
TRACK _____

TRACK CONDITION

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

GEARING

PINION	15
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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TYRES

BRAND / TYPE:	
COMPOUND:	FL FR RL RR

ELECTRONICS

MOTOR:	
SPEEDO:	
BATTERY:	

BODY

BRAND / TYPE:	
WING HEIGHT:	/mm

CAR WEIGHT

COMMENTS

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is a vertical margin line on the left side, creating a narrow left margin. The paper appears to be from a notebook or a standard ruled sheet of paper.

The diagram illustrates the measurement of camber and ride height on a vehicle chassis. A vertical line on the left indicates the camber angle, with a curved arrow showing the wheel's tilt. A horizontal line at the top of the wheel assembly is labeled "CAMBER" with a value of "1.5". Below this, the chassis components are shown in detail. A vertical line on the right indicates the ride height, with a curved arrow showing the chassis's tilt. A horizontal line at the bottom of the chassis is labeled "RIDE HEIGHT" with a value of "9 /mm".

FRONT

The diagram illustrates the rear suspension assembly with various adjustment points labeled with callouts:

- KING PIN SHIMS**: A callout points to the shims between the king pin and the lower control arm. The adjustment range is 0 to 6 mm.
- UPPER SHOCK POS.**: A callout points to the upper shock absorber mounting. The adjustment range is 0 to 6 mm.
- OFFSET**: A callout points to the lower control arm. The adjustment range is 0 to +2 mm.
- LOWER SHOCK POS.**: A callout points to the lower shock absorber mounting. The adjustment range is 0 to 6 mm.
- DROOP**: A callout points to the rear axle assembly. The adjustment range is 0 to 6 mm.

3 CAMBER

11 /mm RIDE HEIGHT

REAR

ROLL CENTER

UPPER SHOCK POS.

UPRIGHT ROLL CENTER SHIMS

TOP: 2 /mm

SIDE: 0 /mm

LOWER SHOCK POS.

DROOP

59 /mm

OFFSET

0

+1

+2

The diagram illustrates the front and rear suspension systems of a vehicle. Key components labeled include the 'STEERING PLATE', 'ACKERMANN', 'CASTER SHIMS', 'FRONT TOE', and 'REAR TOE'. The front suspension features a steering knuckle, ball joint, and a steering plate. The rear suspension includes a steering knuckle, ball joint, and a steering plate. The diagram also shows the front and rear axles, control arms, and the steering rack. Callouts provide specific settings for the steering plate, ackermann, caster shims, and toe settings.

FRONT TOE 1.5

STEERING PLATE
☒ Std. ☐ +3mm

ACKERMANN

CASTER SHIMS
 5 /mm
 (Measure Front Shims)

REAR TOE 3

FRONT UPPER ROLL CENTER

▲ FORWARD



FRONT LOWER ROLL CENTER

FORWARD ▲

The diagram illustrates the front lower roll center adjustment. It consists of two rows of three circles each, representing the roll center position. The top row has the middle circle filled, and the bottom row has the left circle filled. To the right of each row is a WAGNER shock absorber. An upward-pointing arrow labeled 'FORWARD' is on the left.

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

WEIGHTS	
FRONT:	/g
REAR:	/g

WHEELBASE

☐ SHORT (-3mm)

☒ MEDIUM

☐ LONG (+3mm)

**REAR LOWER
ROLL CENTER**

FORWARD ▲

SETUP SHEET

NAME _____
DATE _____
TRACK _____

TRACK CONDITION

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

GEARING

PINION	
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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TYRES

BRAND / TYPE:					
COMPOUND:	FL				FR
	RL				RR

ELECTRONICS

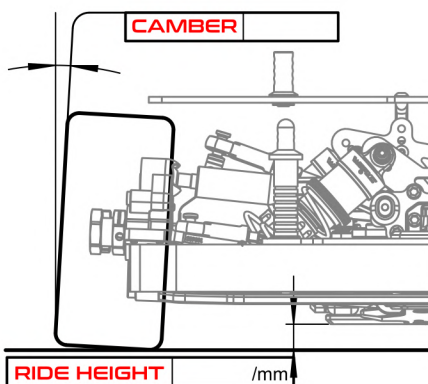
MOTOR:	
SPEEDO:	
BATTERY:	

BODY

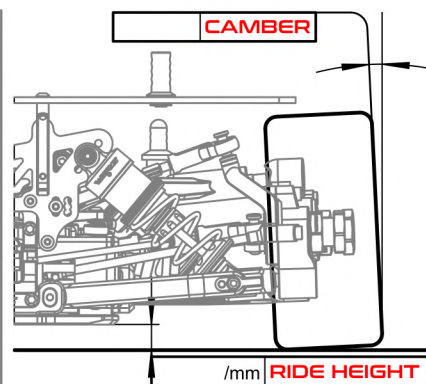
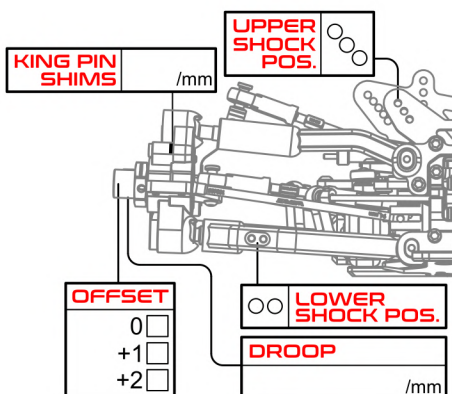
BRAND / TYPE:	
WING HEIGHT:	/mm

CAR WEIGHT

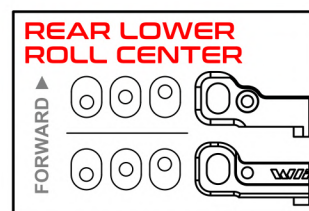
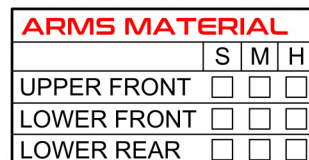
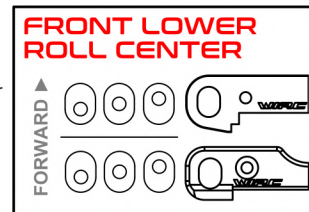
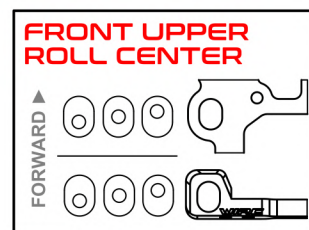
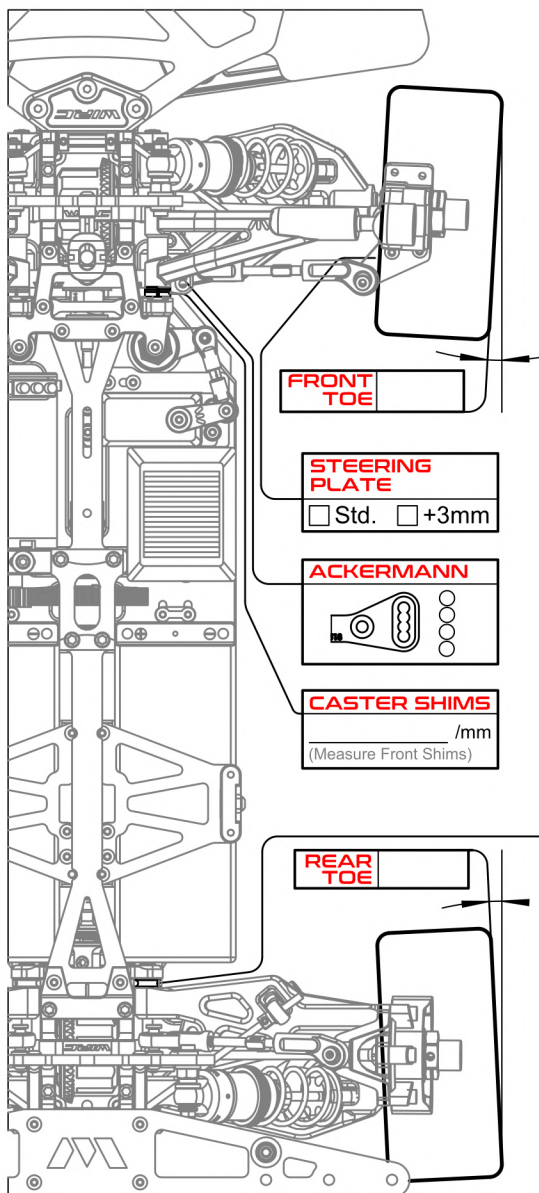
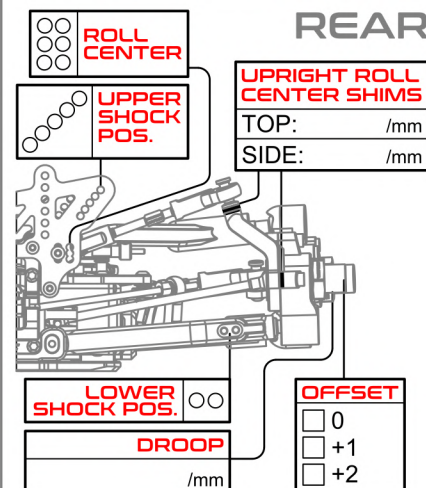
COMMENTS

[illegible]

FRONT



REAR





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