STX 1.5

new generation rc car

1/10 SCALE ELECTRIC TOURING CAR



INSTRUCTION MANUAL

world racing car

www.wrc-racing.com

INTRODUCTION

STX is a new generation high quality 1/10 scale touring car.
STX is supplied in a box equipped with Instruction Manual.
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 WRC 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

WRC 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 compnents 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 moistur, improper use or no maintenance or user modifications which compromise the integrity of components.
Warranty will not cover compnents that are considered consumable on RC model car.
WRC doesn't pay nor refund on any component sent from WRC or its distributor for warranty.
WRC reserves the right to make final determination of the warranty status of any component or part
Use only original WRC spare part:

CUSTOMER SUPPORT

Please don't hesitate to contact WRC support at info@wrc-racing.com for any problem or question.
Also kindly visit our website www.wrc-racing.com to find last updates, set-up information, option parts and other information.

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Via Meucci, 23/B
36040 Brendola (VI)
ITALY

Phone: 0039 0 444 401138
fax: 0039 0 444 401139
E-mail: info@wrc-racing.com
Website: www.wrc-racing.com

TECHNICAL INFORMATION

- TRANSMISSION: 4 DRIVE WHEELS
- BODY: TOURING MODEL (NOT INCLUDED)
- ADJUSTABLE FRONT TOE, CAMBER AND CASTER
- ADJUSTABLE REAR TOE AND CAMBER
- BUMPER /FRONT BACKSTOP
- CARBON CHASSIS
- FULL BALL BEARING
- DIFFERENTIAL GEAR

TECHNICAL DATA

- LENGHT ..... 373 MM.
- WIDTH .....187 MM.
- ADJUSTABLE WHEEL BASE .....MIN. 250 MM. - MAX 256 MM.
- WEIGHT CHASSIS..... 515 GR.

REQUIRED BUT NOT INCLUDED IN THE KIT

ADDITIONAL ITEMS NEEDED FOR COMPLETION



LIPO BATTERY 7.4 V.



ELECTRIC MOTOR
PINION GEAR



TRANSMITTER



RECEIVER



SPEED CONTROLLER



LOW PROFILE STEERING SERVO



AA ALKALINE BATTERIES
FOR TRANSMITTER



WHEEL - TYRES - INSERTS



LIPO BATTERY TAPE



LEXAN BODY

TOOLS REQUIRED

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

SOCKET:
5.5 MM
7.0 MM



ALLEN :
1.5 MM
2.0 MM
3.0 MM





RING PLIERS



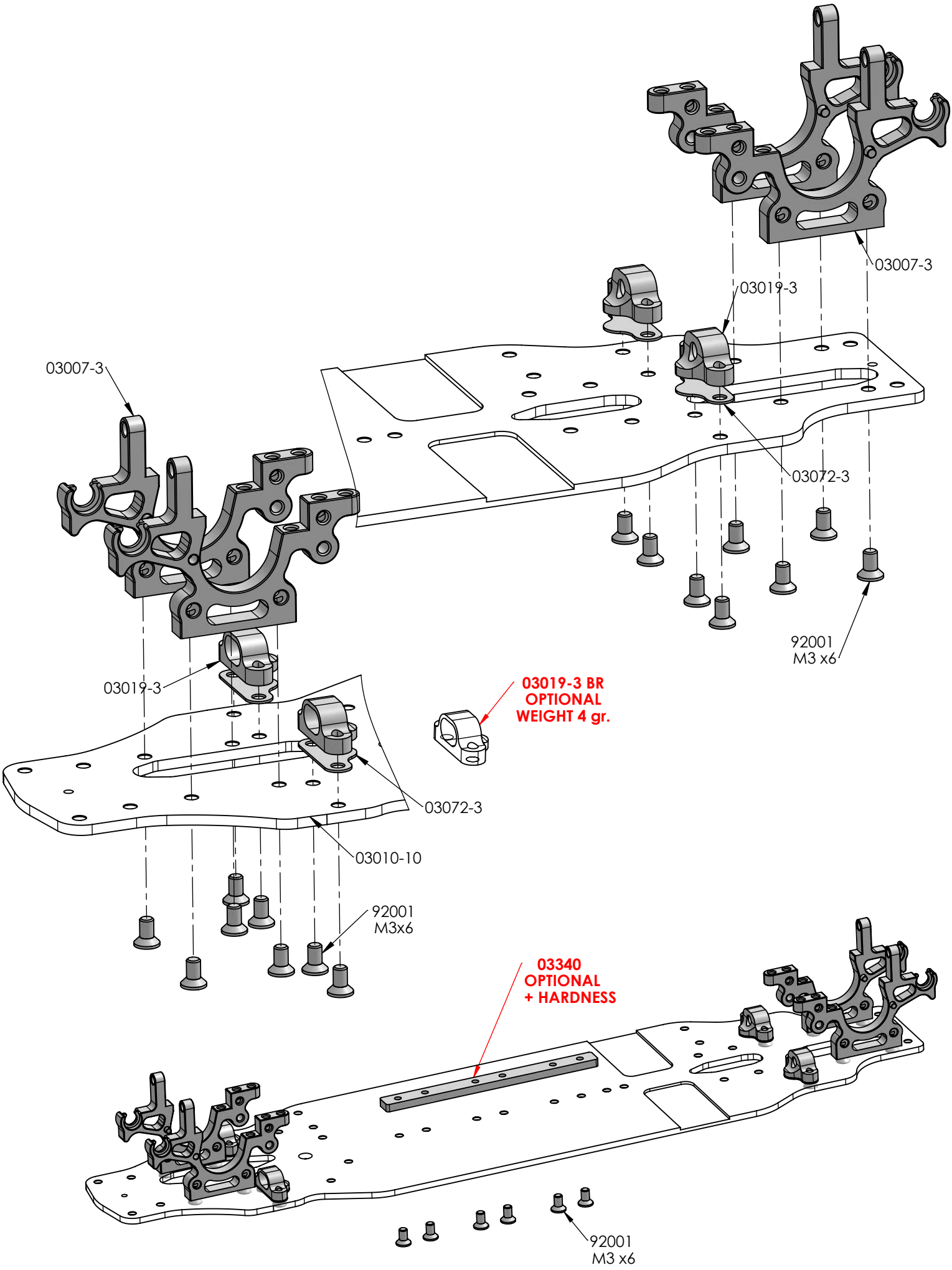
SIDE CUTTER



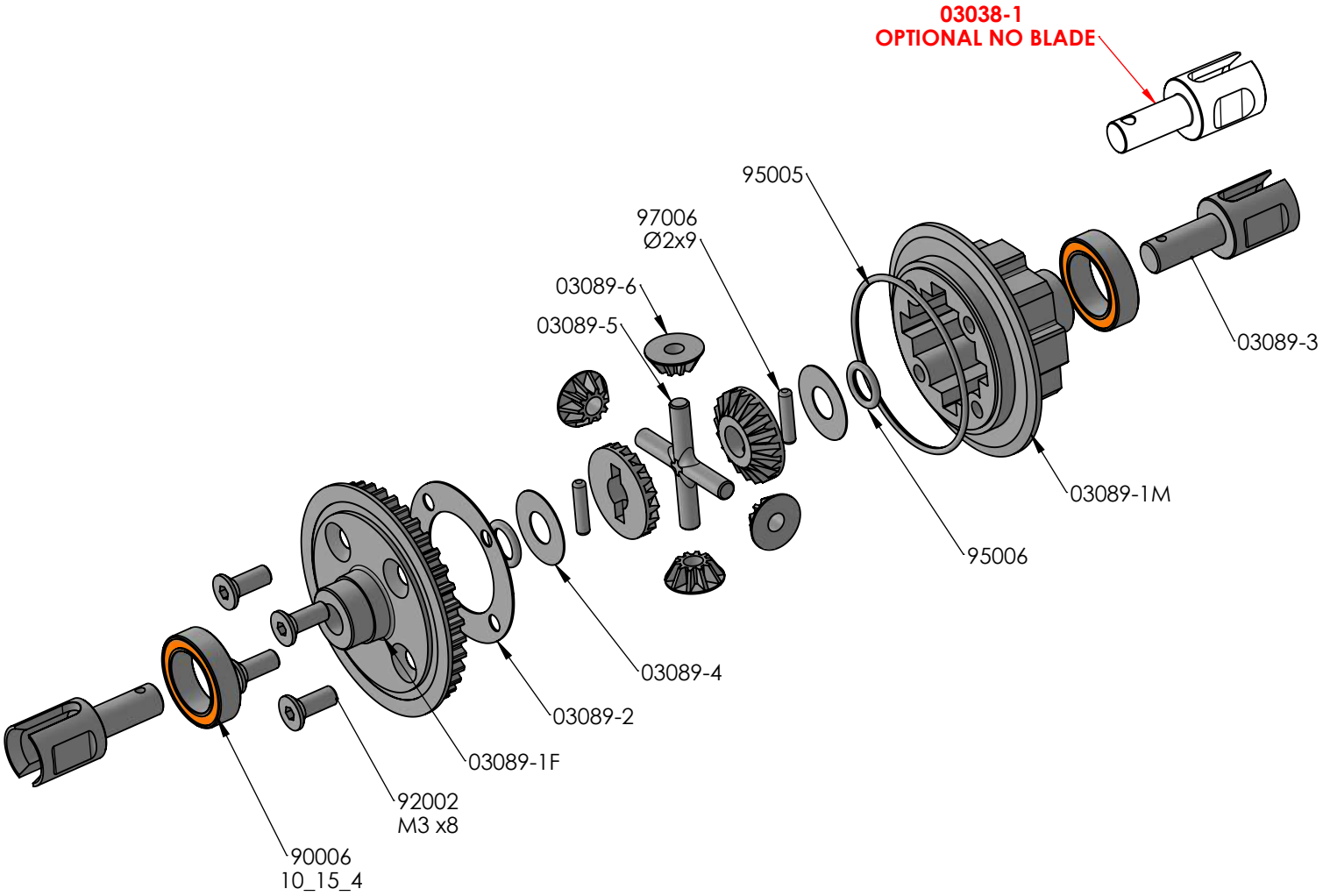
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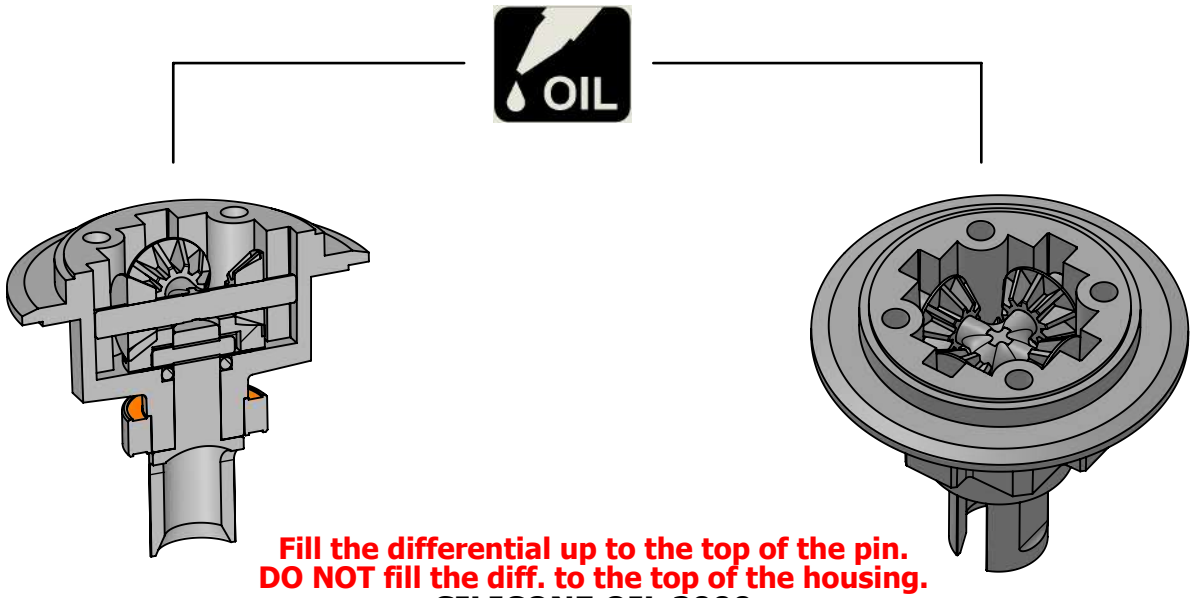
NOTICE:

THE FOLOWING ITEMS ARE NEEDED FOR COMPLETION PF THE STX; THEY ARE NOT INCLUDED IN THIS KIT (UNLESS NOTED)
AND SHOULD BE OBTEINED FROM YOUR LOCAL HOBBY SHOP.
BE SURE TO READ THE INSTRUCTION COMPLETELY PRIOR TO ASSEMBLY


03007-3
03019-3
03007-3
03072-3
92001
M3 x6
03019-3
03019-3 BR
OPTIONAL
WEIGHT 4 gr.
03072-3
03010-10
92001
M3x6
03340
OPTIONAL
+ HARDNESS
92001
M3 x6

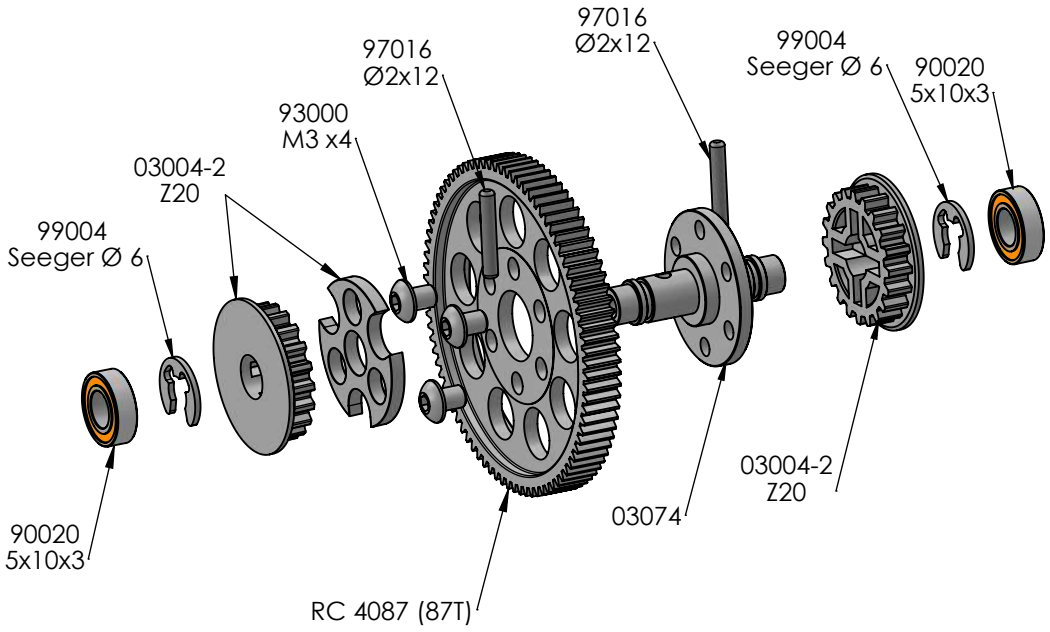
REAR DIFFERENTIAL GEAR

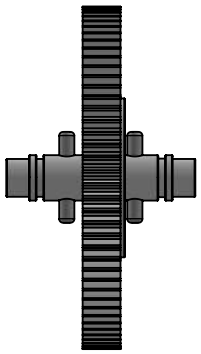




Fill the differential up to the top of the pin.
DO NOT fill the diff. to the top of the housing.
SILICONE OIL 2000

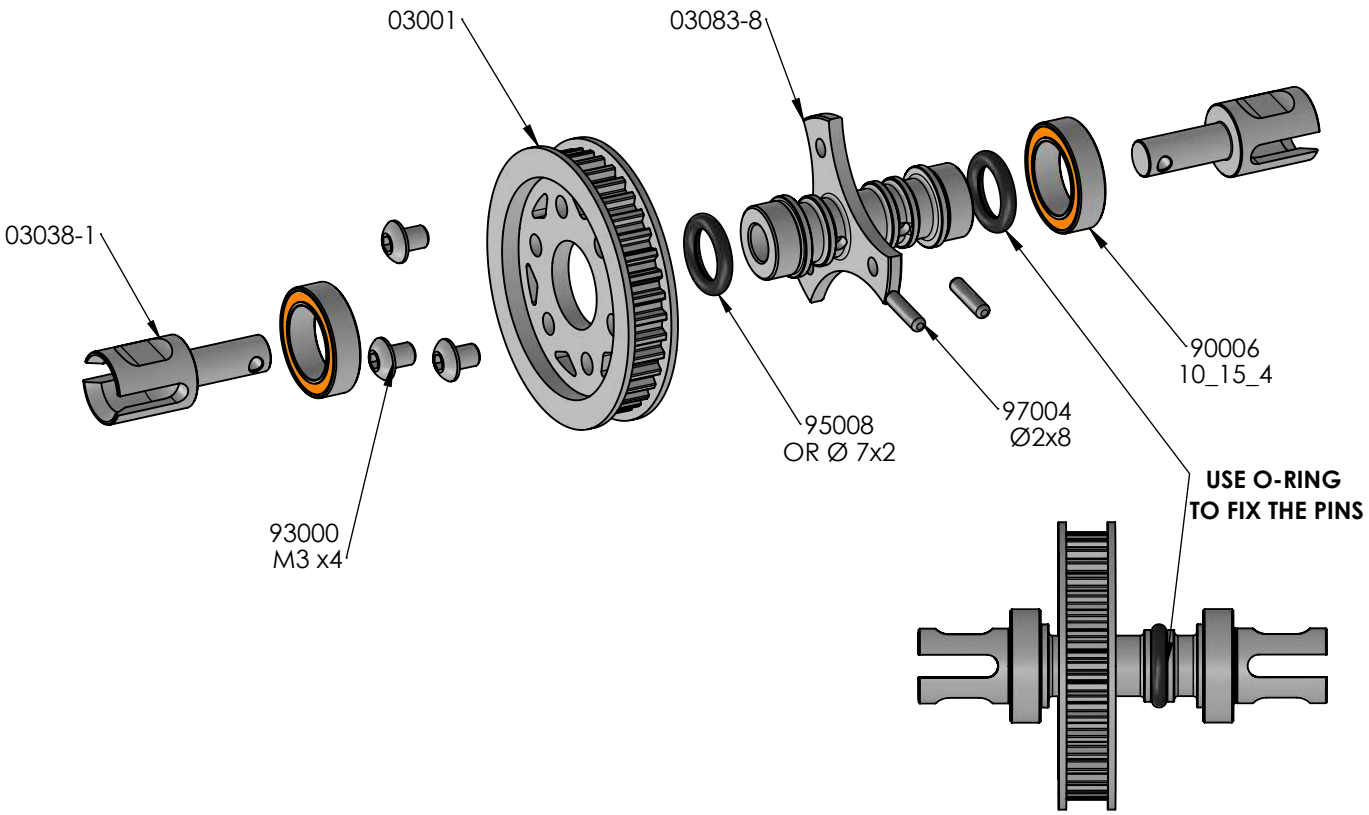
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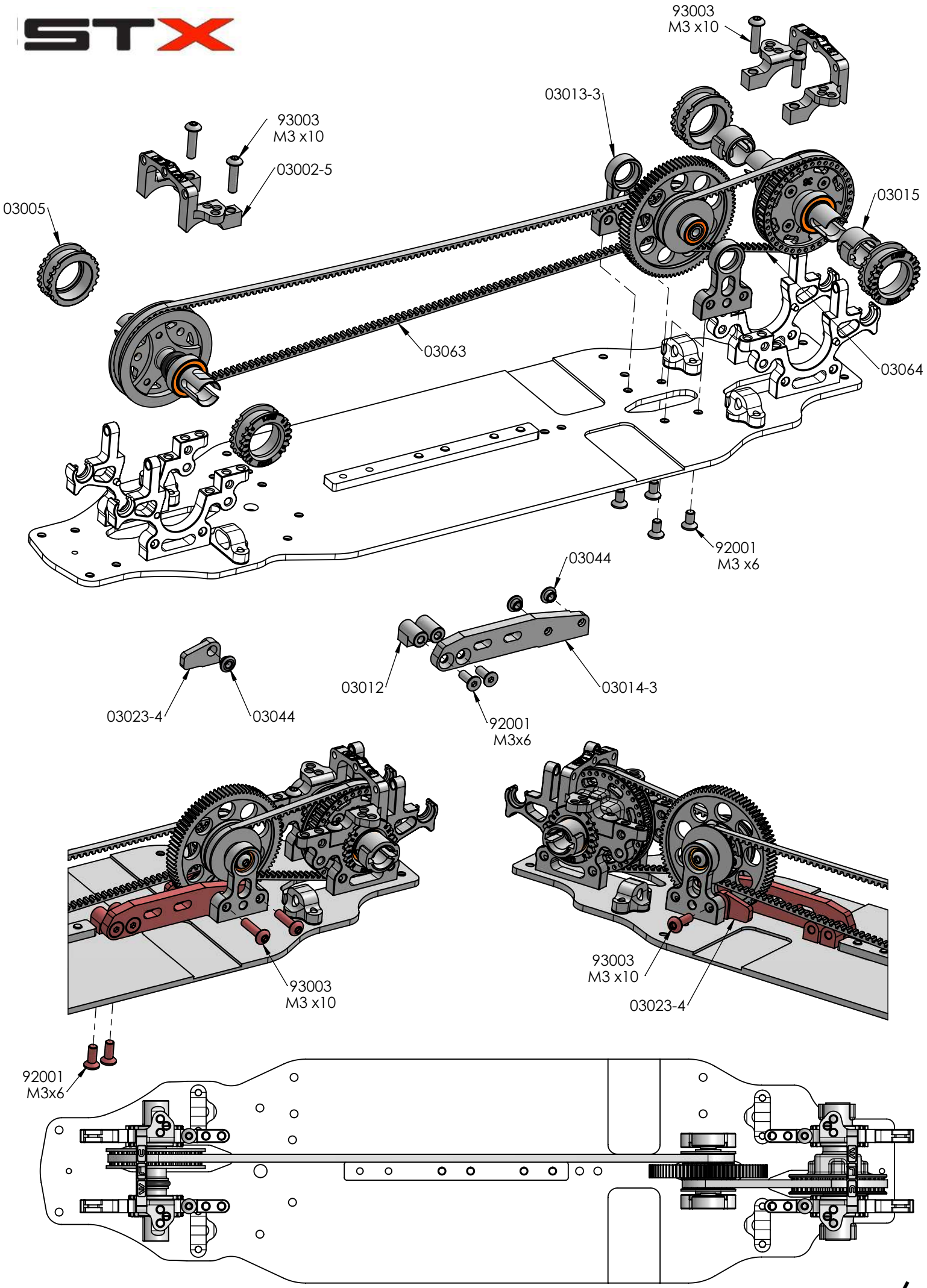


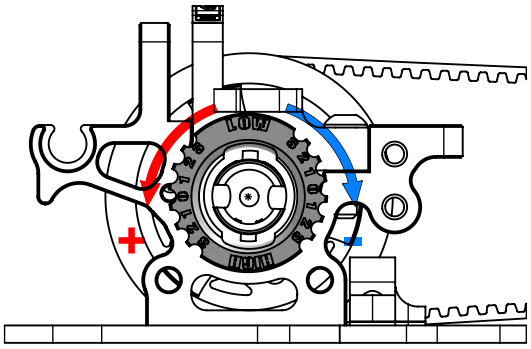


SPUR GEAR P48	
RC4078	78 T
RC4084	84 T
RC4087	87 T
SPUR GEAR P64	
RC6092	92 T
RC6096	96 T
RC60100	100 T
RC60104	104 T
RC60106	106 T
RC60108	108 T
RC60110	110 T
RC60112	112 T
RC60114	114 T
RC60116	116 T
RC60118	118 T

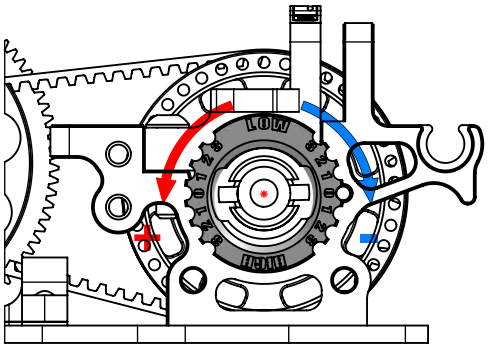
SOLID FRONT AXEL




93003
M3 x10
03013-3
93003
M3 x10
03002-5
03005
03015
03063
03064
92001
M3 x6
03044
03012
03014-3
03023-4
03044
92001
M3x6
93003
M3 x10
93003
M3 x10
03023-4
92001
M3x6



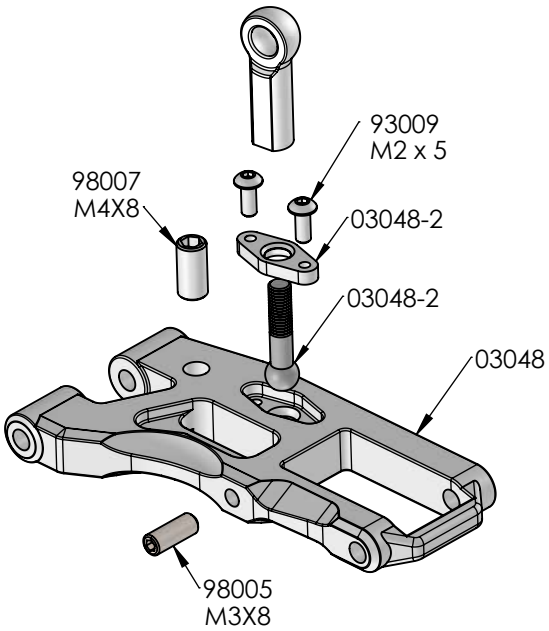
FRONT BELT ADJUSTMENT

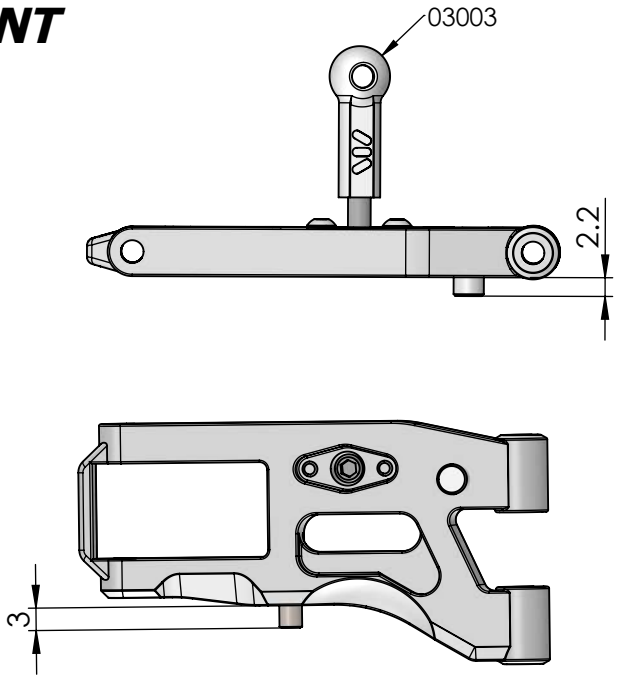


REAR BELT ADJUSTMENT

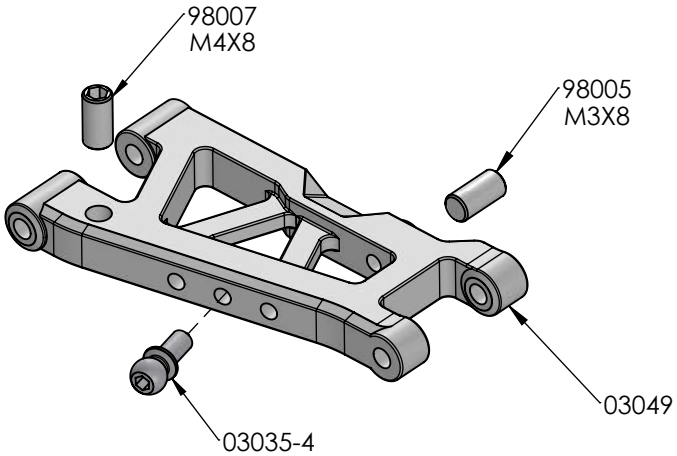
BAG 3

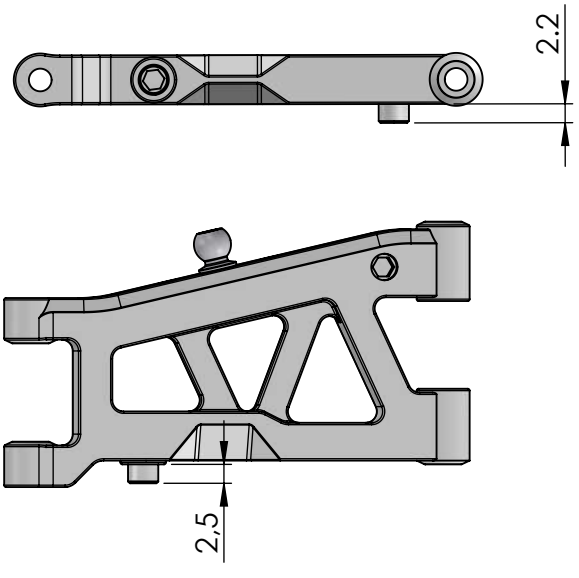
FRONT

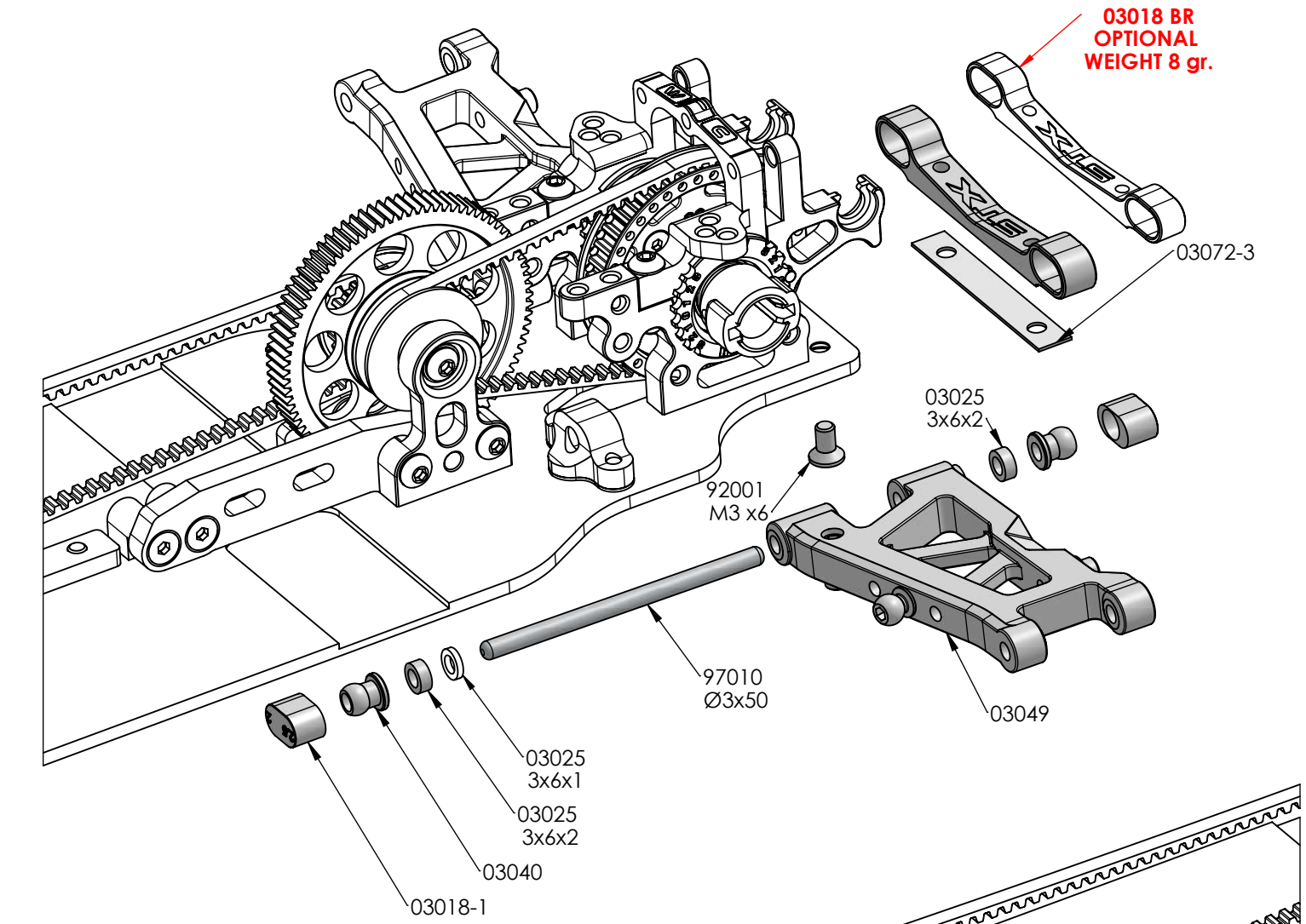


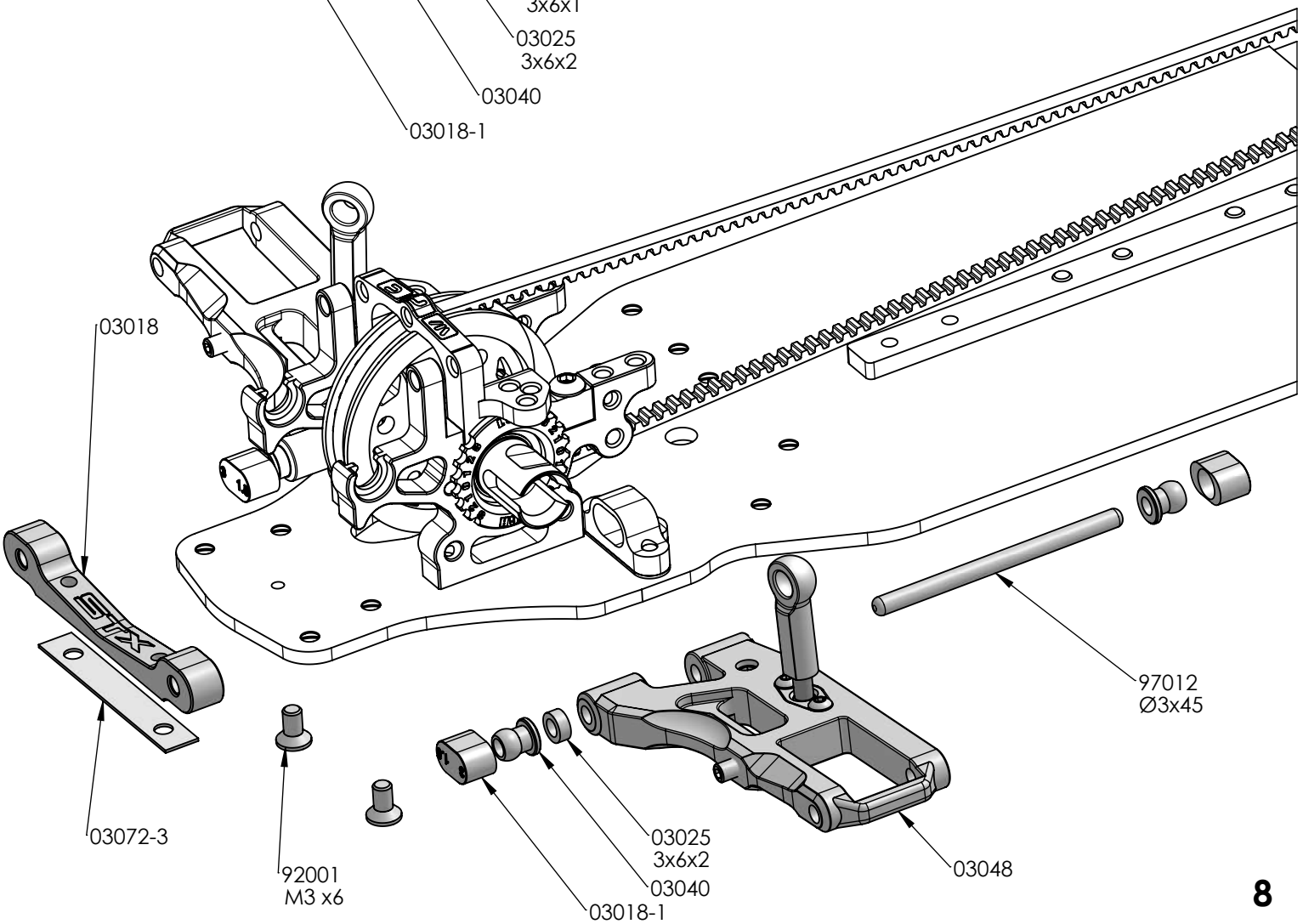


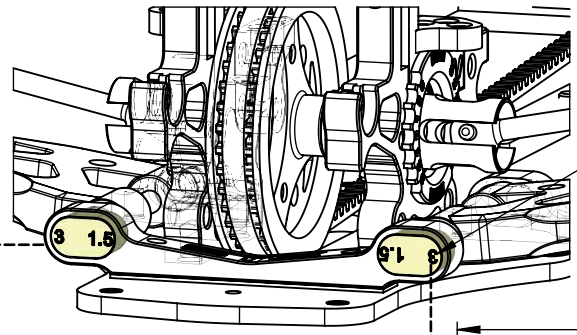
REAR






03018 BR
OPTIONAL
WEIGHT 8 gr.
03072-3
03025
3x6x2
92001
M3 x6
97010
Ø3x50
03049
03025
3x6x1
03025
3x6x2
03040
03018-1


03018
03072-3
92001
M3 x6
03018-1
03025
3x6x2
03040
03048
97012
Ø3x45



PLEASE SEE
EXTERNAL NUMBER

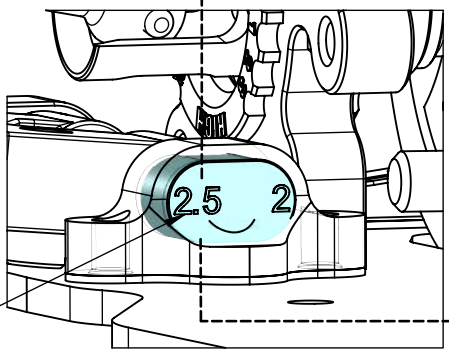
FRONT

ANGLE °
SEE TABLE

WHIDT 170 mm

FRONT-REAR	
	2.5
FRONT-FRONT 2.5	0°
3	+ 0.5°

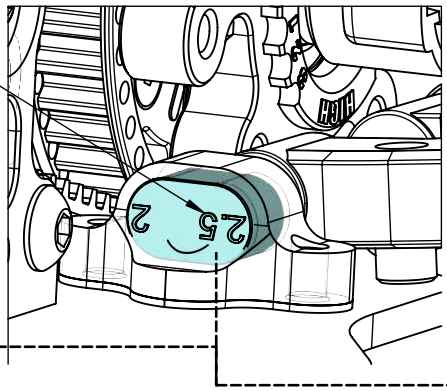
FRONT-FRONT



PLEASE SEE
EXTERNAL NUMBER

FRONT-REAR

PLEASE SEE
EXTERNAL NUMBER



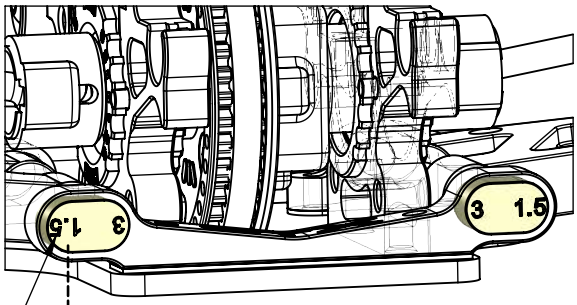
REAR-FRONT	
	2.5
REAR-REAR 1	-1°
1.5	-1.5°
2	-2°
2.5	-2.5°
3	-3°
3.5	-3.5°

REAR-FRONT

ANGLE °
SEE TABLE

WHIDT 168 mm

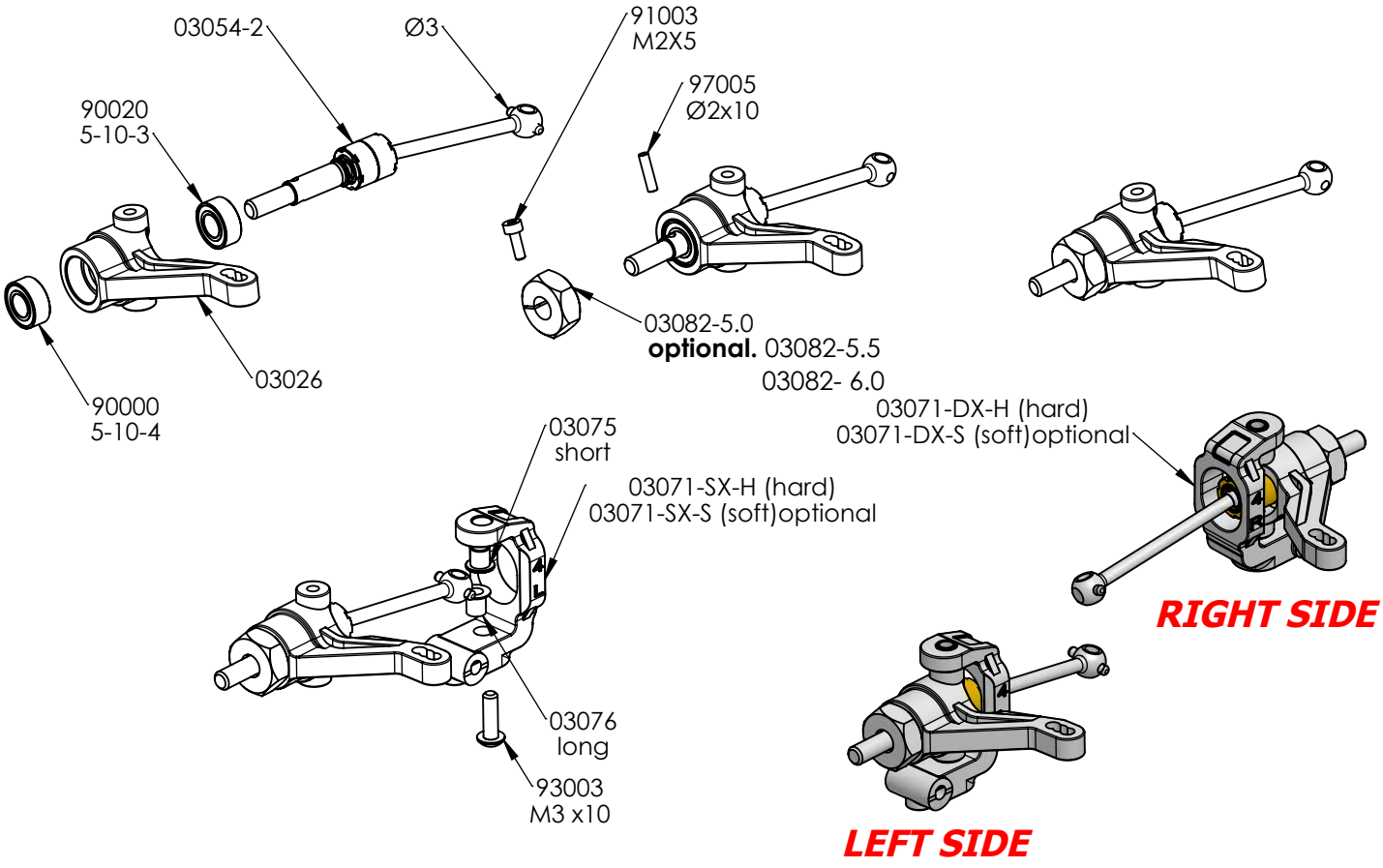
REAR



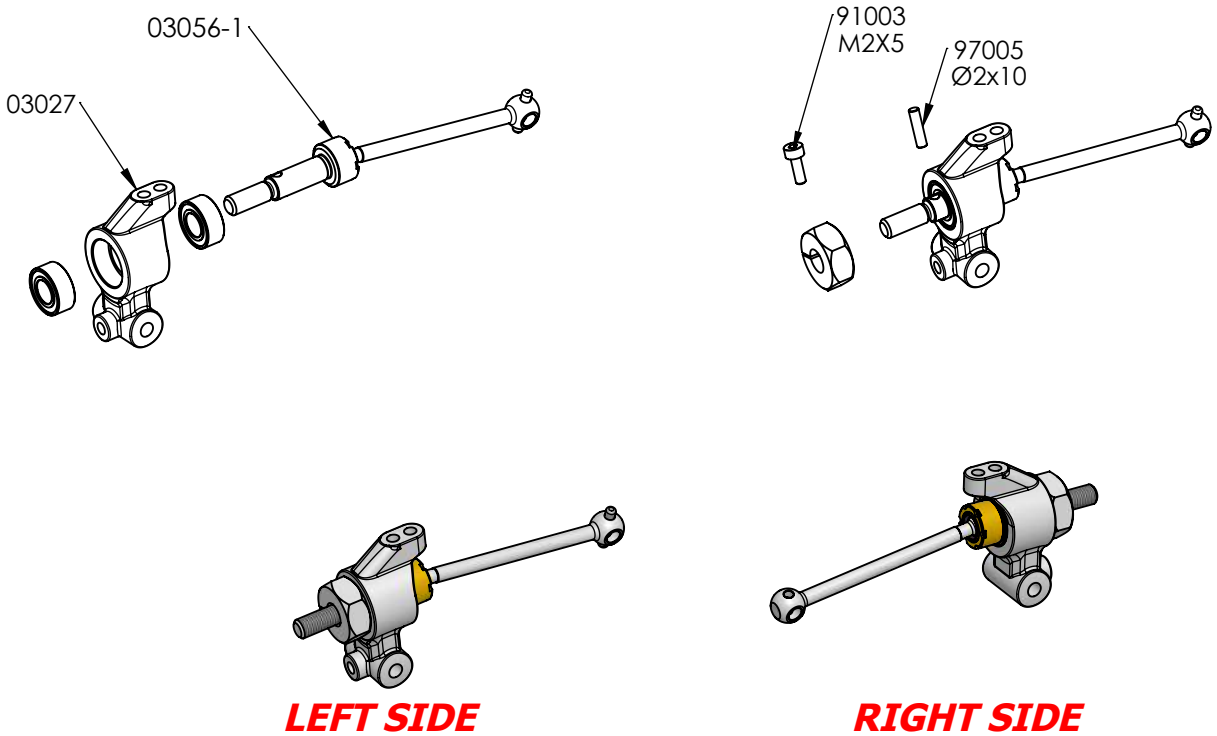
PLEASE SEE
EXTERNAL NUMBER

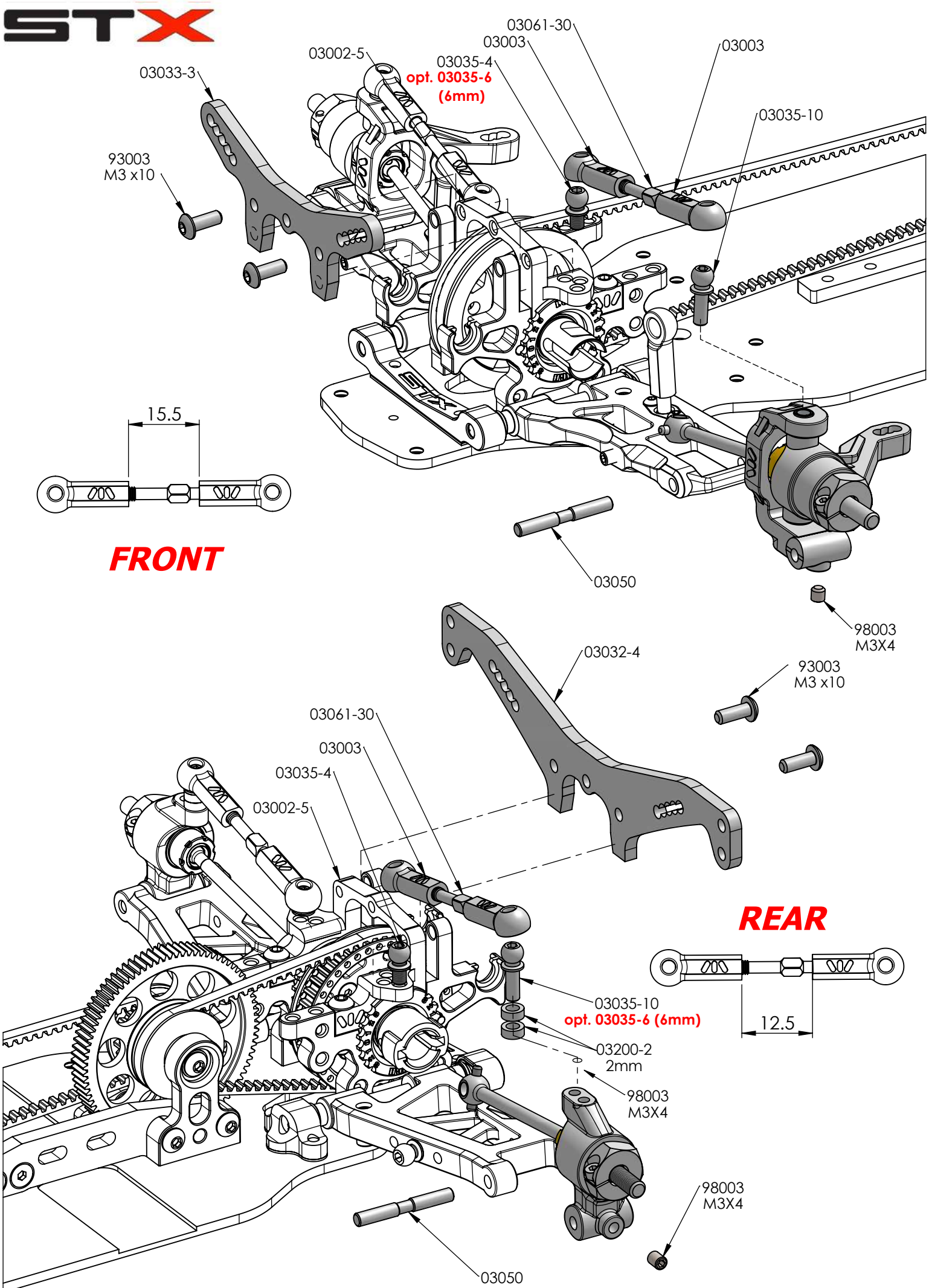
REAR-REAR

LEFT - RIGHT FRONT SUSPENSION

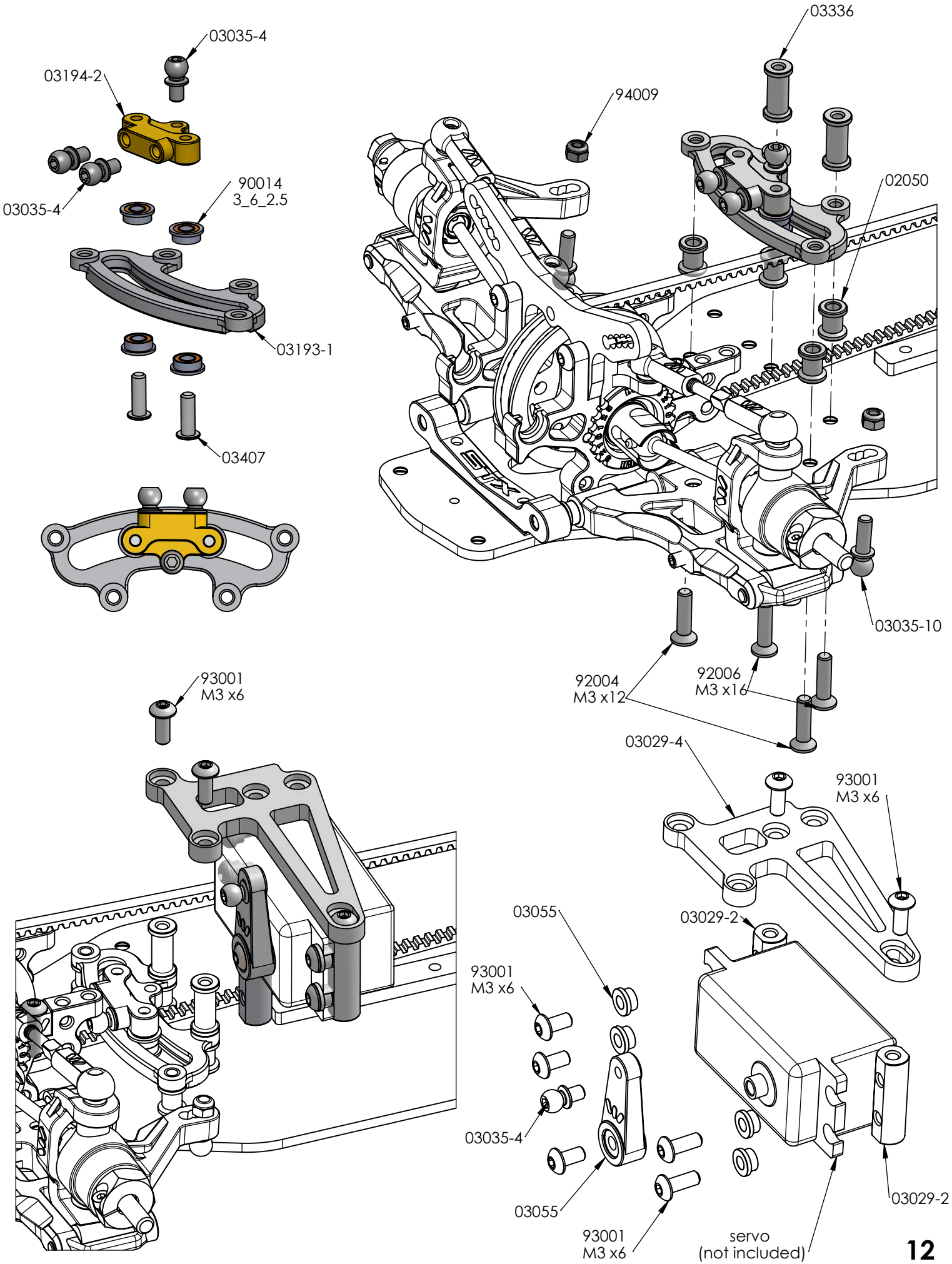


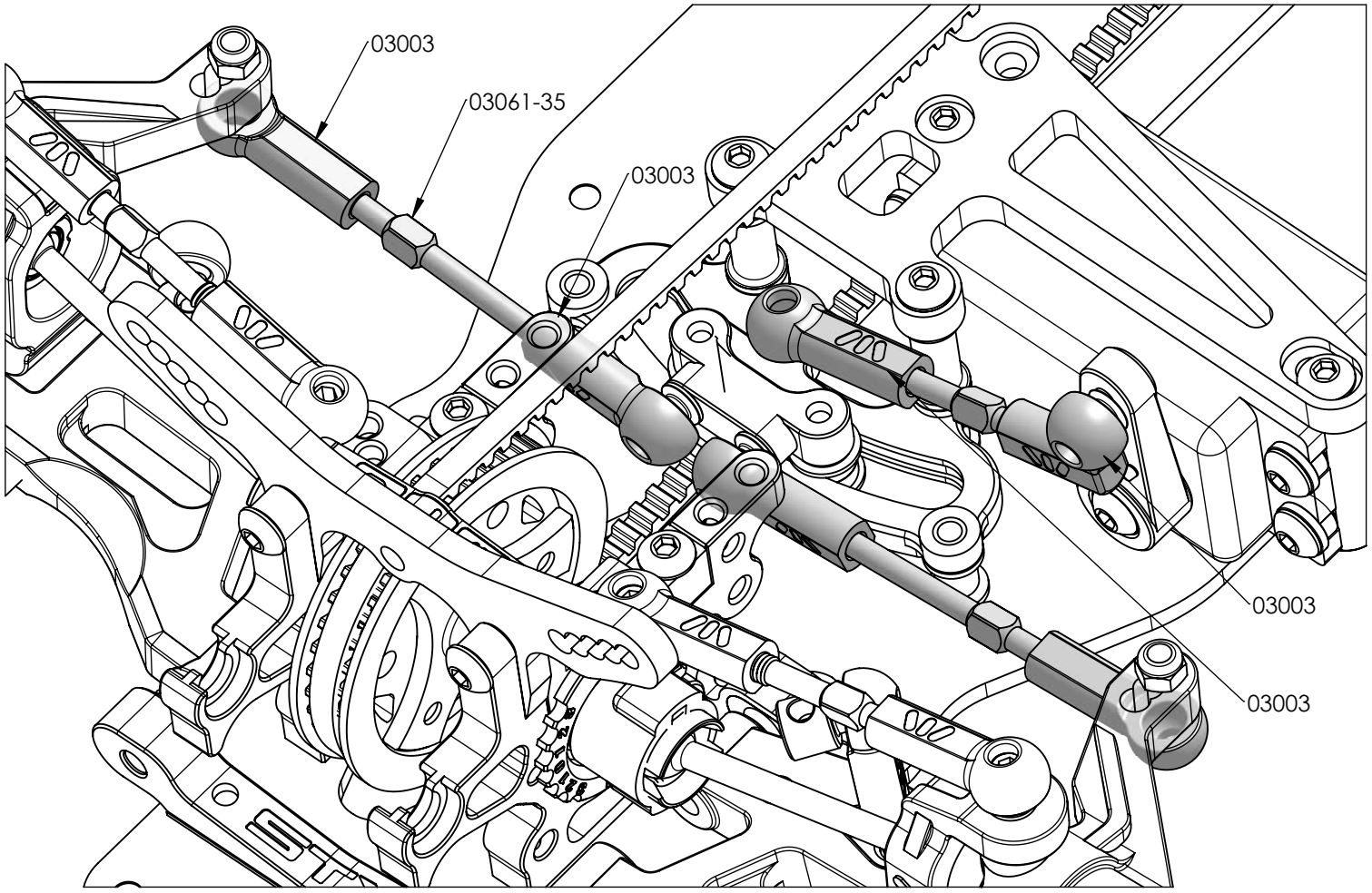
LEFT - RIGHT REAR SUSPENSION



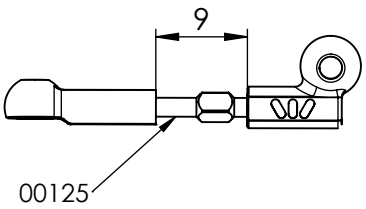

03033-3
03002-5
03061-30
03003
03035-4
opt. 03035-6
(6mm)
03003
03035-10
93003
M3 x10
15.5
FRONT
03050
98003
M3X4
03032-4
93003
M3 x10
03061-30
03003
03035-4
03002-5
REAR
03035-10
opt. 03035-6 (6mm)
12.5
03200-2
2mm
98003
M3X4
98003
M3X4
03050

DYNAMIC STERRING RAIL

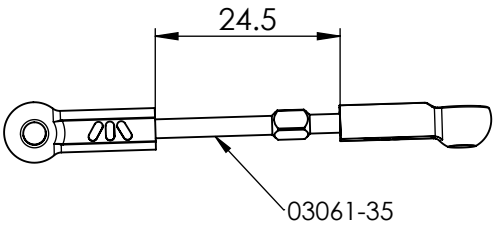


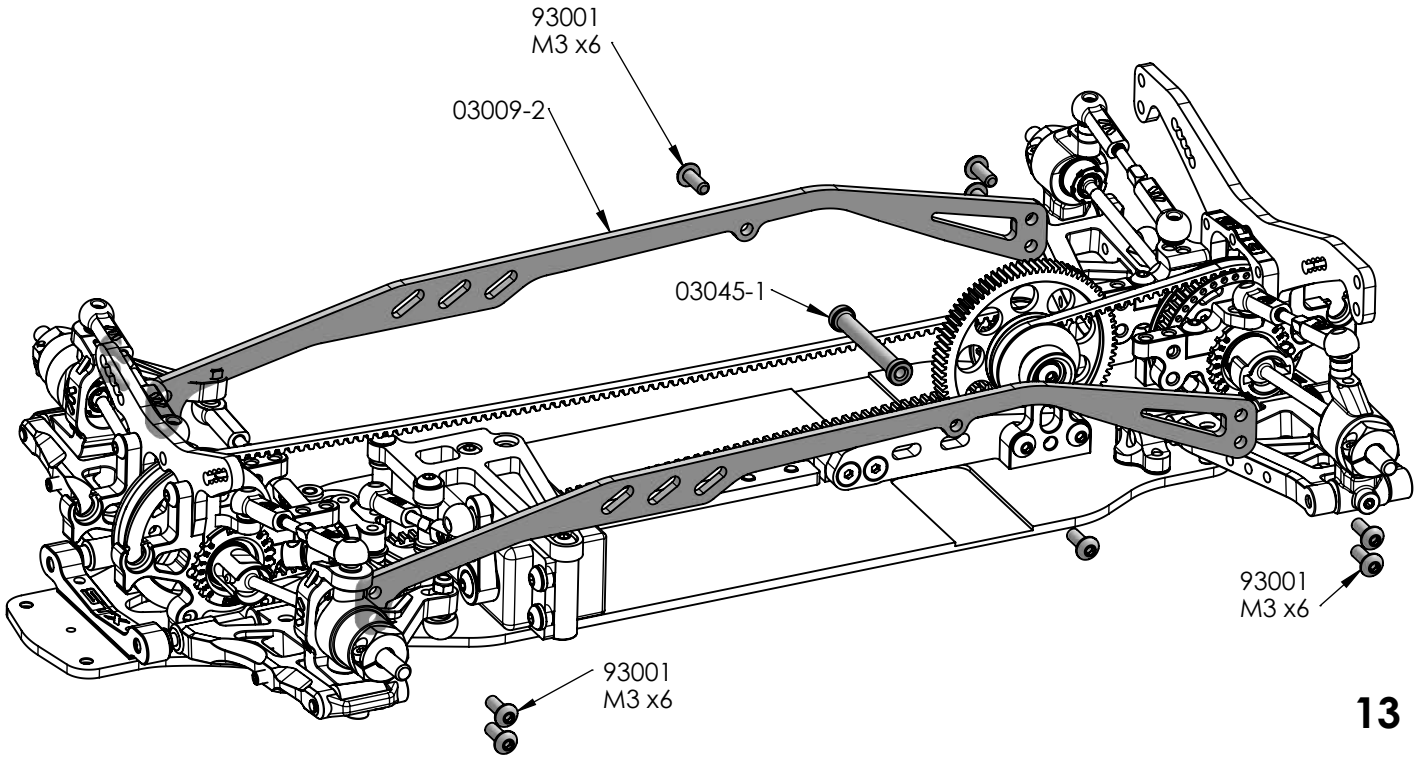


SERVO BRACKET

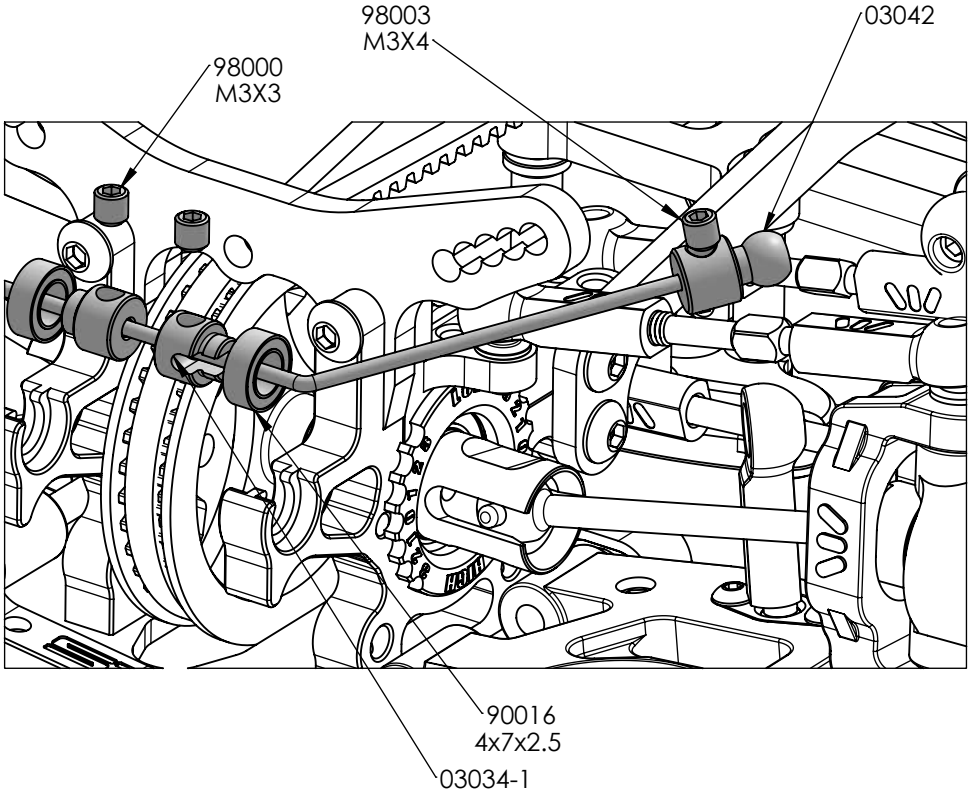


STERRING BRACKET



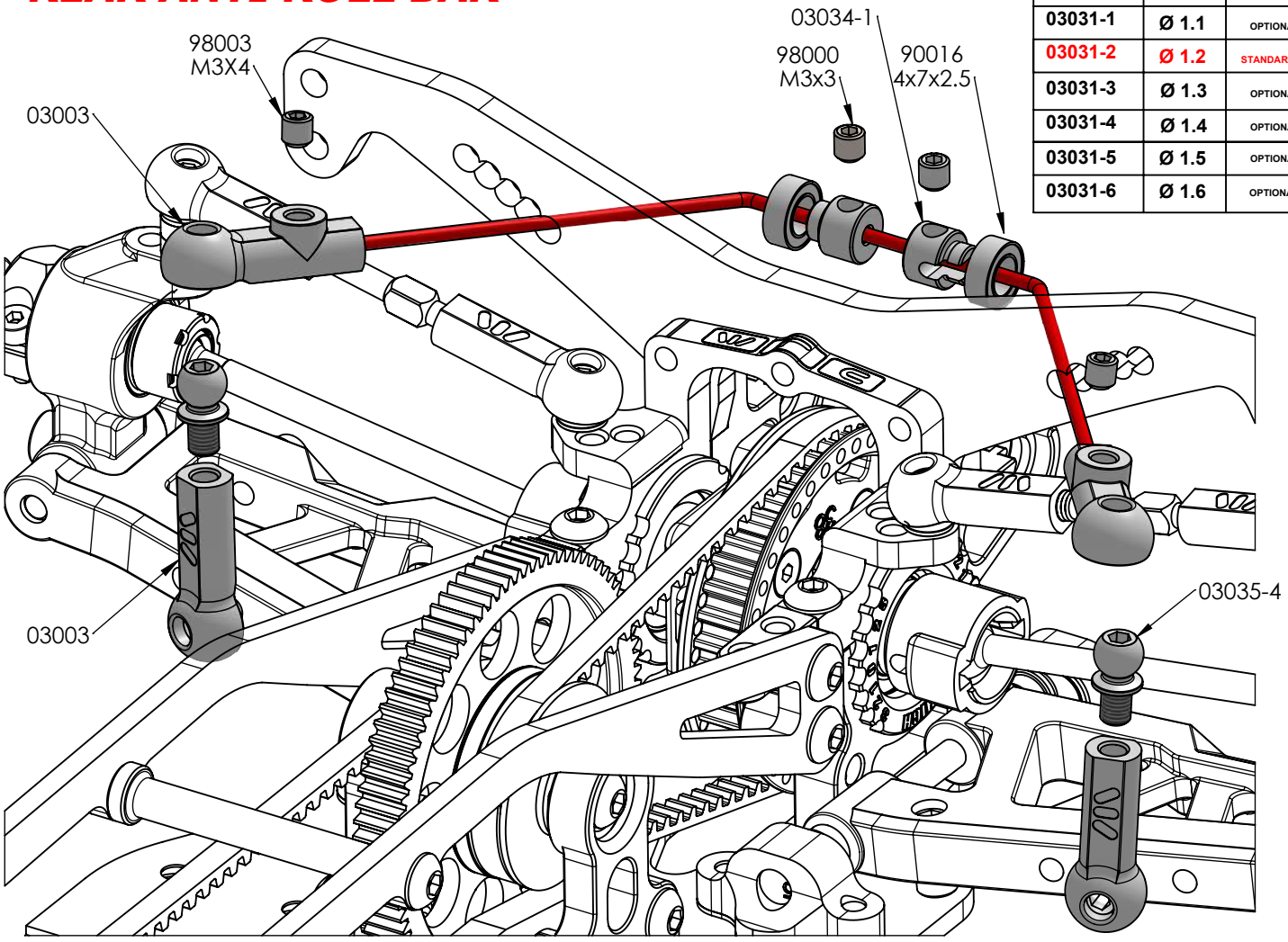


FRONT ANTI ROLL BAR



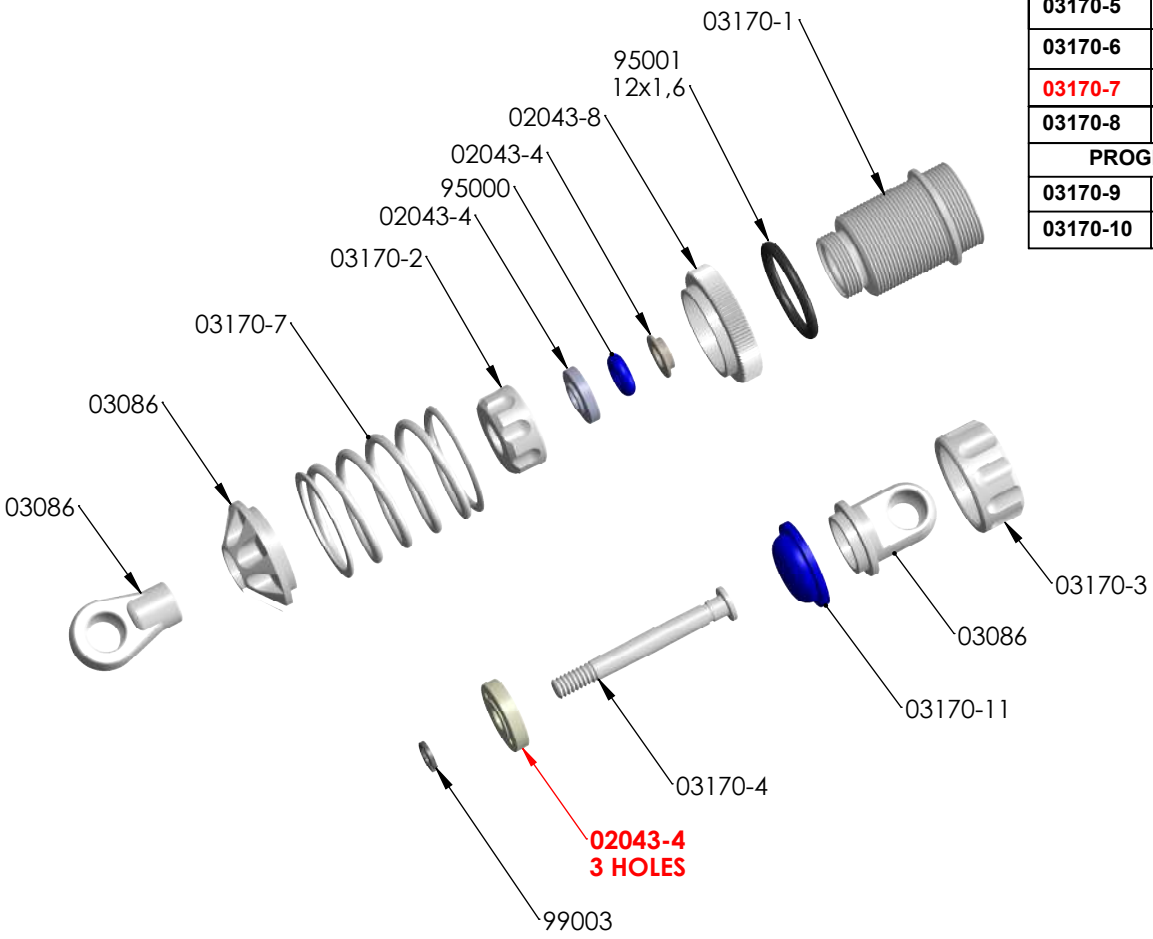
ANTI ROLL BAR		
COD	Ø	
03031-2	Ø 1.2	OPTIONAL
03031-3	Ø 1.3	STANDARD IN KIT
03031-4	Ø 1.4	OPTIONAL
03031-5	Ø 1.5	OPTIONAL
03031-6	Ø 1.6	OPTIONAL

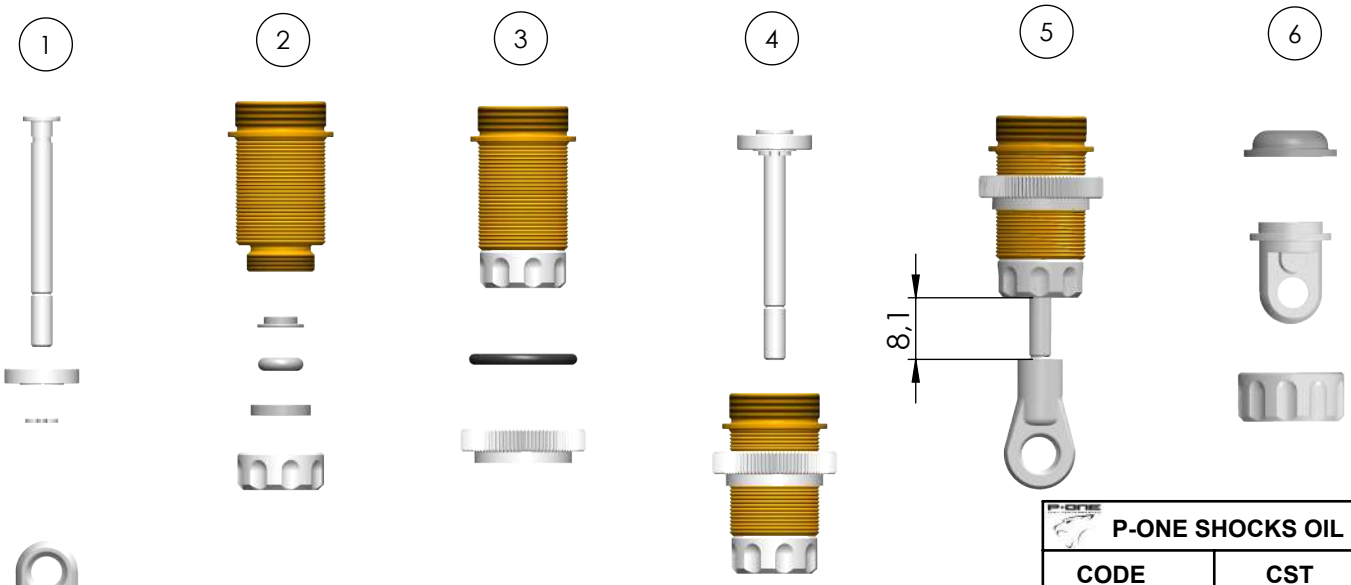
REAR ANTI ROLL BAR

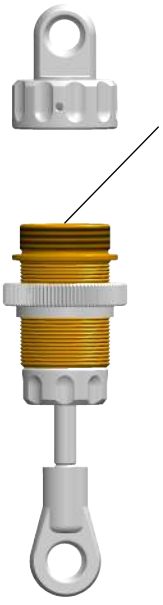


ANTI ROLL BAR		
COD	Ø	
03031-1	Ø 1.1	OPTIONAL
03031-2	Ø 1.2	STANDARD IN KIT
03031-3	Ø 1.3	OPTIONAL
03031-4	Ø 1.4	OPTIONAL
03031-5	Ø 1.5	OPTIONAL
03031-6	Ø 1.6	OPTIONAL

SPRINGS		
COD	Force (lb)	COLOUR
03170-5	2.1	BLACK
03170-6	2.2	YELLOW
03170-7	2.3	RED IN KIT
03170-8	2.6	BLUE
PROGRESSIVE SPRINGS		
03170-9	1.3-2.9	FUCHSIA
03170-10	1.4-3.5	GREEN





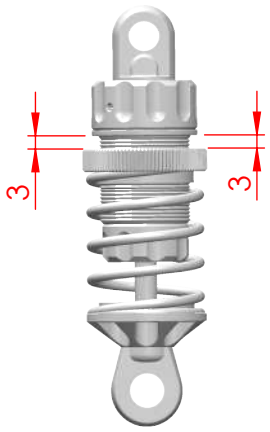


OIL

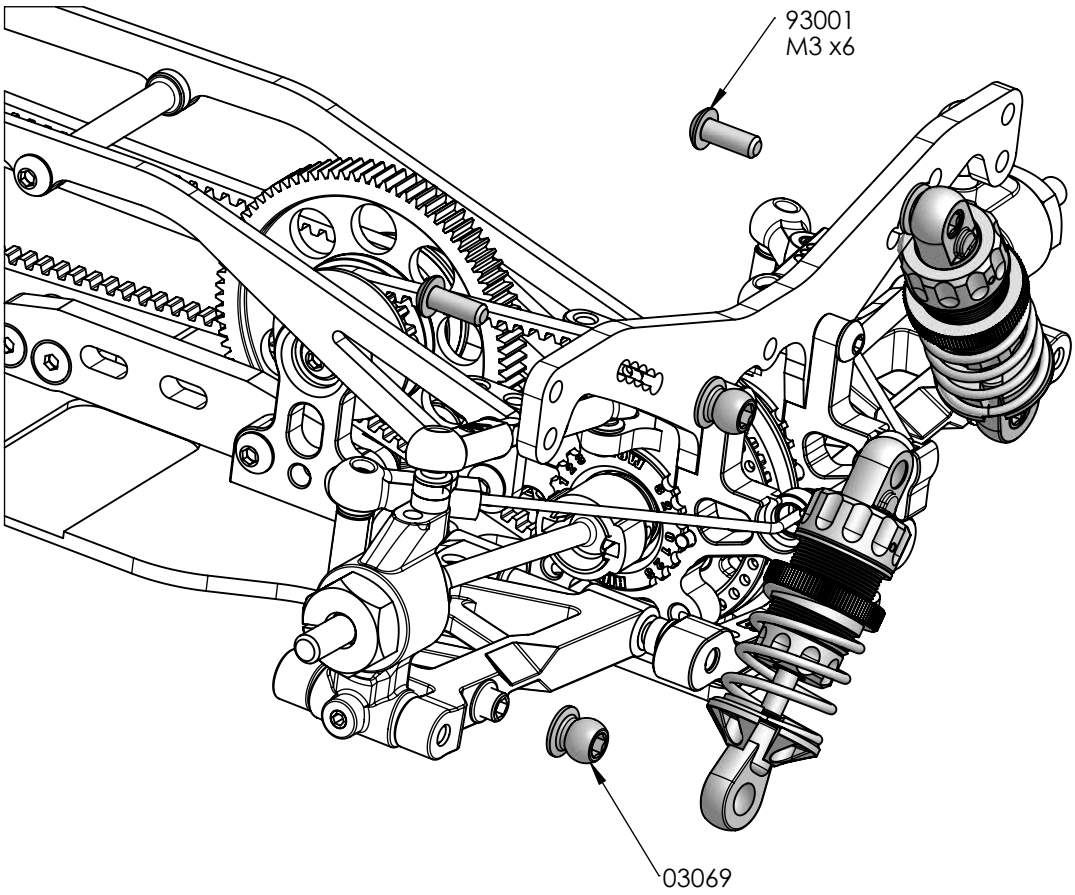
SHOCK FILLING

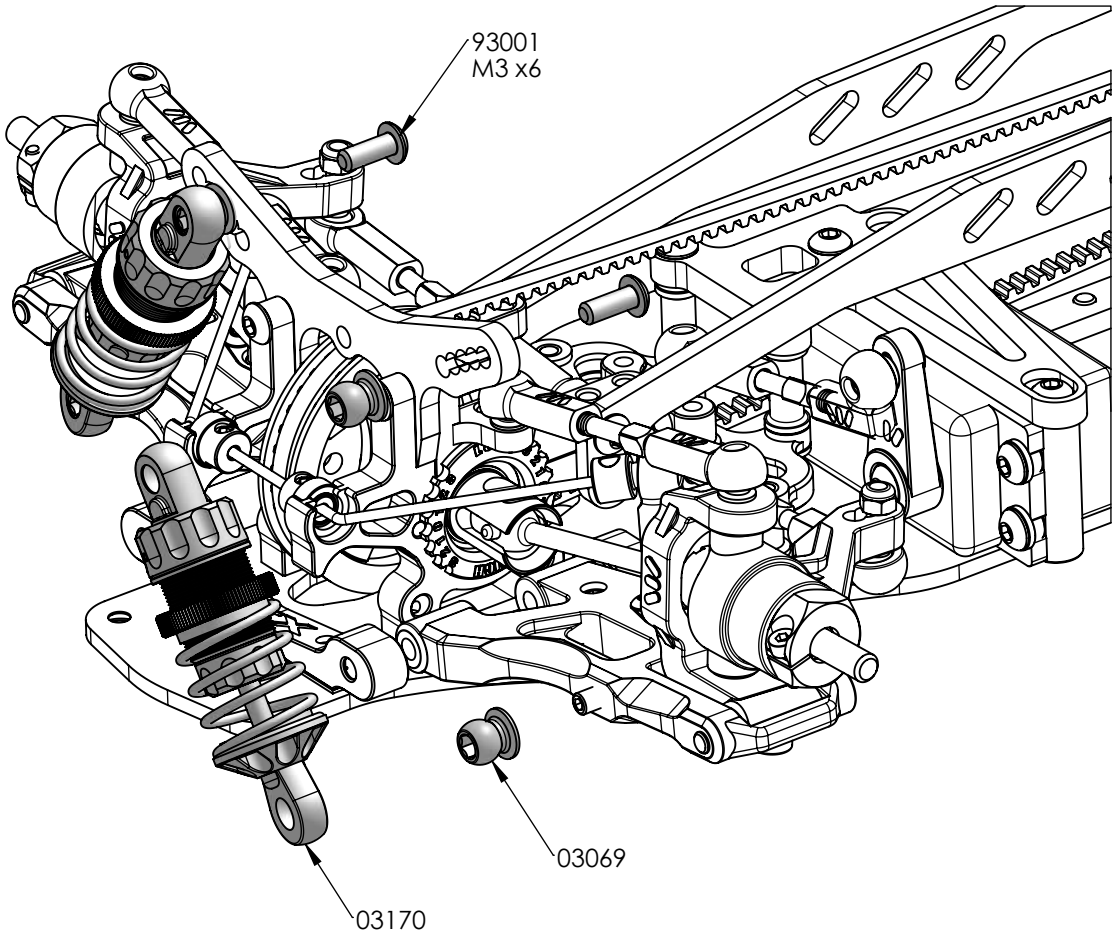
Fully extend the piston rod so the piston is at the bottom of the shock body.
Hold the shock upright and fill the shock body with shock oil as in the picture.
Let the oil settle and allow air bubbles to rise to the top.
Slowly move the piston up and down until no more air bubbles appear.
Add shock oil 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.

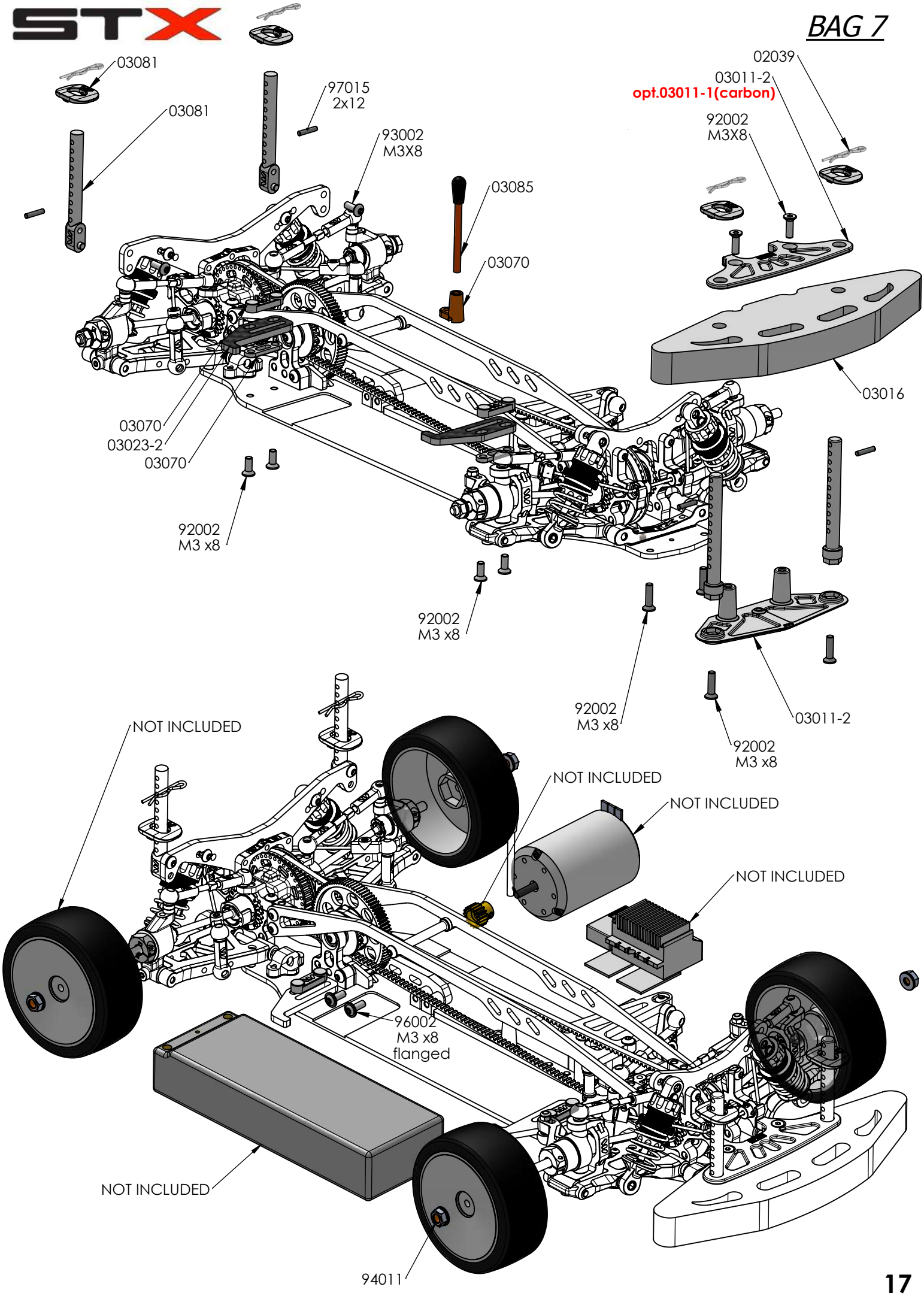
FRONT - REAR



P-ONE SHOCKS OIL	
CODE	CST
SO-350	350
SO-400	400(IN KIT)
SO-450	450
SO-500	500
SO-550	550
SO-600	600
SO-650	650
SO-700	700
SO-800	800


93001
M3 x6
03069


93001
M3 x6
03069
03170


03081
03081
97015
2x12
93002
M3X8
03085
03070
02039
03011-2
opt.03011-1(carbon)
92002
M3X8
03016
03070
03023-2
03070
92002
M3 x8
92002
M3 x8
92002
M3 x8
03011-2
92002
M3 x8
NOT INCLUDED
NOT INCLUDED
NOT INCLUDED
NOT INCLUDED
96002
M3 x8
flanged
NOT INCLUDED
94011

STX

NAME
DATE
TRACK ASPHALT

TRACK CONDITION

SURFACE	☐ SMOOTH	■ MEDIUM	☐ BUMPY
SIZE	☐ TIGHT	■ MEDIUM	☐ FAST
TRACTION	☐ LOW	■ MEDIUM	☐ HIGH

TRANSIMISSION

FRONT	■	SOLID AXLE	OIL
	☐	DIFFERENTIAL	
REAR	■	DIFFERENTIAL	2000

PINION		SPUR GEAR	
FINAL DRIVE RATIO			

SHOCKS

SPRINGS:	COLOUR	
FRONT	RED	
REAR	RED	
OIL:	400	400
PISTON:	3 HOLE	3 HOLE
LENGHT /mm		

ANTI-ROLL BAR

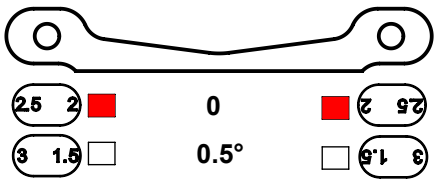
FRONT	1.3 mm
REAR	1.2 mm
BODY	WING

ROLL CENTER

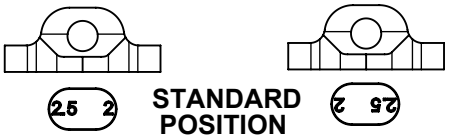
FRONT	0.5 mm
REAR	0.5 mm

ECCENTRIC BUSHINGS

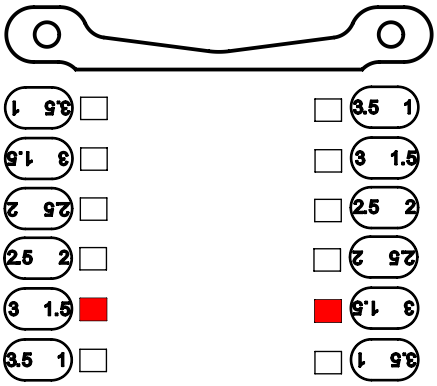
FRONT - FRONT



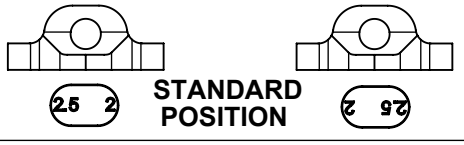
REAR - FRONT

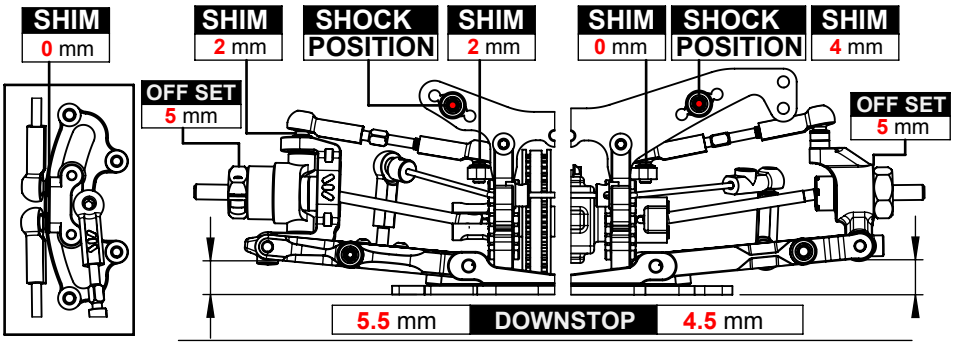


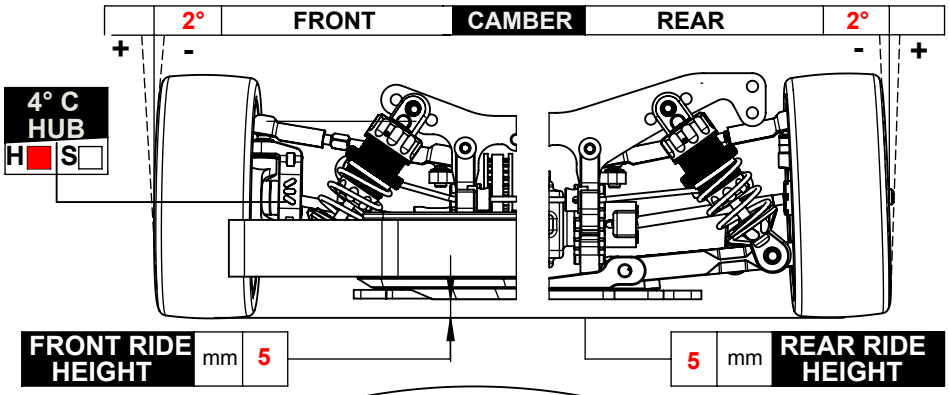
REAR - REAR

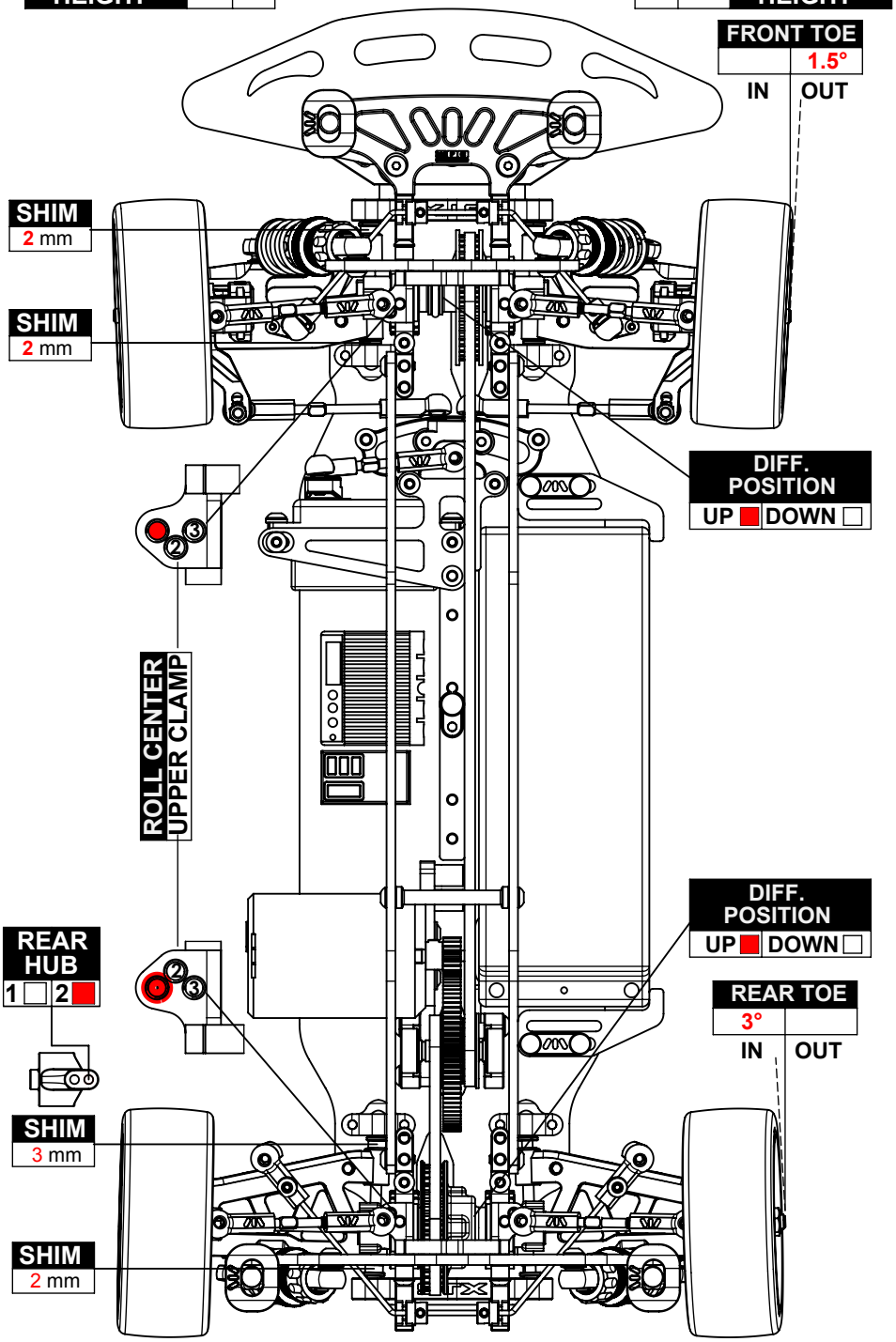


REAR - FRONT











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