

MTCE
1/10 ELECTRIC TOURING CAR

MUGEN
 **seiki**

ITEMS REQUIRED FOR OPERATION

- 2CH RADIO SET FOR RC CAR (TRANSMITTER, RECEIVER, SERVO)
- MOTOR
- PINION GEAR
- SPUR GEAR
- ESC (ELECTRONIC SPEED CONTROLLER)
- BATTERIES FOR RC CAR
- CHARGER
- BODYSHELL (190mm)
- TIRES/WHEELS/INSERTS
- SERVO HORN

TOOLS REQUIRED

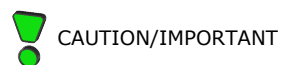
- HEXAGON WRENCHES (1,5mm/2mm/2,5mm)
- BOX WRENCH (7mm)
- NEEDLE NOSE PLIERS
- WIRE CUTTERS
- SHARP HOBBY KNIFE
- SCISSORS
- VERNIER CALIPERS
- SOLDER/SOLDERING IRON
- INSTANT GLUE
- TURNBUCKLE WRENCH

NEUTRAL SETTING OF TRANSMITTER

***BEFORE SETTING, READ THE INSTRUCTIONS ATTACHED TO THE TRANSMITTER AND ESC**

1. TURN ON THE TRANSMITTER
2. SET TRIMS OF TRANSMITTER
3. SET THROTTLE SIDE OF TRANSMITTER ACCORDING TO THE INSTRUCTION MANUAL ESC
4. TURN ON THE ESC ACCORDING TO THE INSTRUCTION MANUAL AND SET THE DEFAULT
5. CHECK THAT THE SERVO MOVES PROPERLY IN ACCORDANCE WITH THE CONTROL FROM TRANSMITTER
6. TURN OFF THE ESC
7. TURN OFF THE TRANSMITTER

SYMBOLS EXPLAINED



CAUTION/IMPORTANT



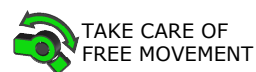
DETAILED VIEW



USED KIT BAG#



INFO



TAKE CARE OF FREE MOVEMENT



CHECK SETUP SHEET



ASSEMBLED CORRECTLY



ASSEMBLED WRONGLY

1 2 3 ASSEMBLE IN ORDER



RECOMMENDATION



BUILD SHOWN VALUE



USE GREASE



FRONT LEFT SIDE



REAR LEFT SIDE



USE SCREW LOCK



FRONT RIGHT SIDE



REAR RIGHT SIDE



USE SILICONE OIL

SCREW CHART

THESE ARE THE ACTUAL SIZES OF THE SCREWS & OTHER HARDWARE INCLUDED WITH THIS KIT

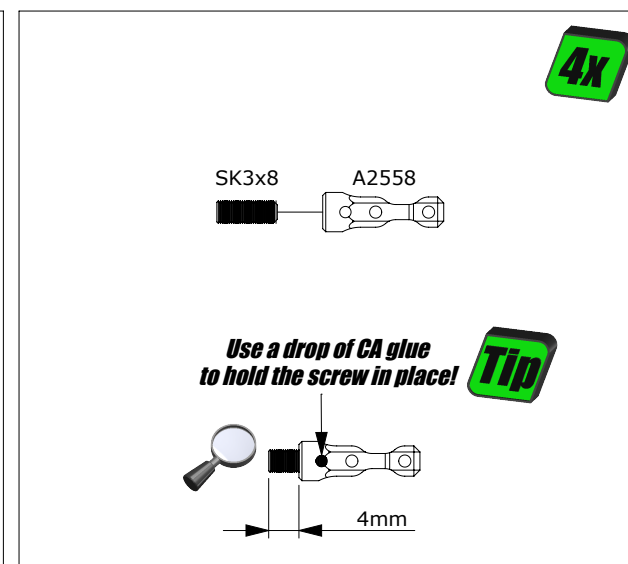
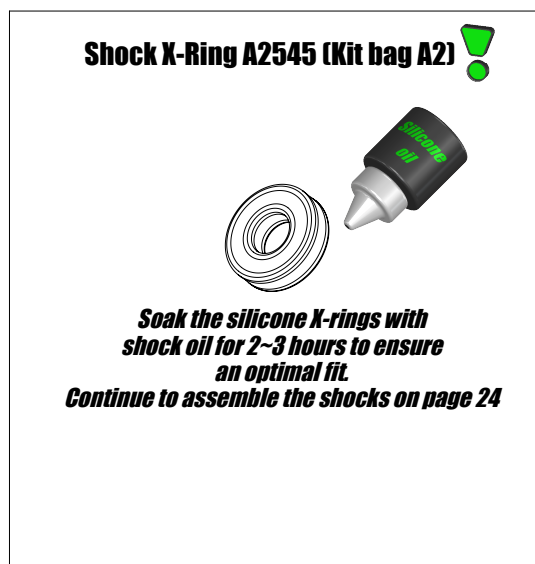
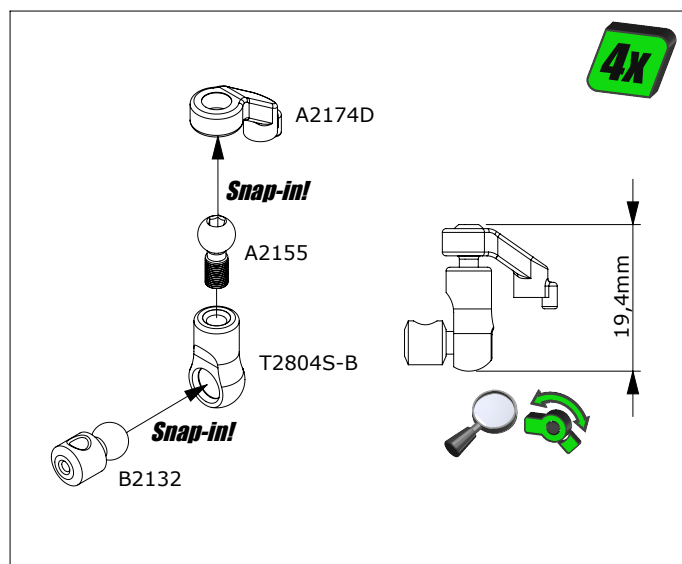
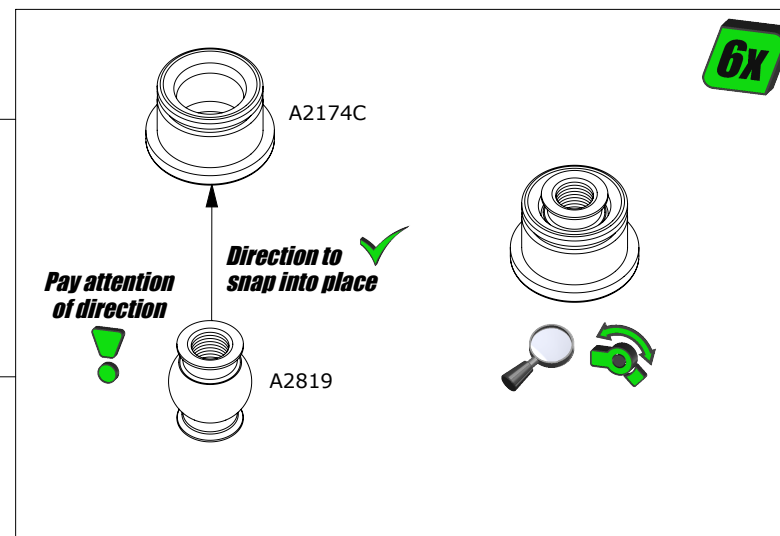
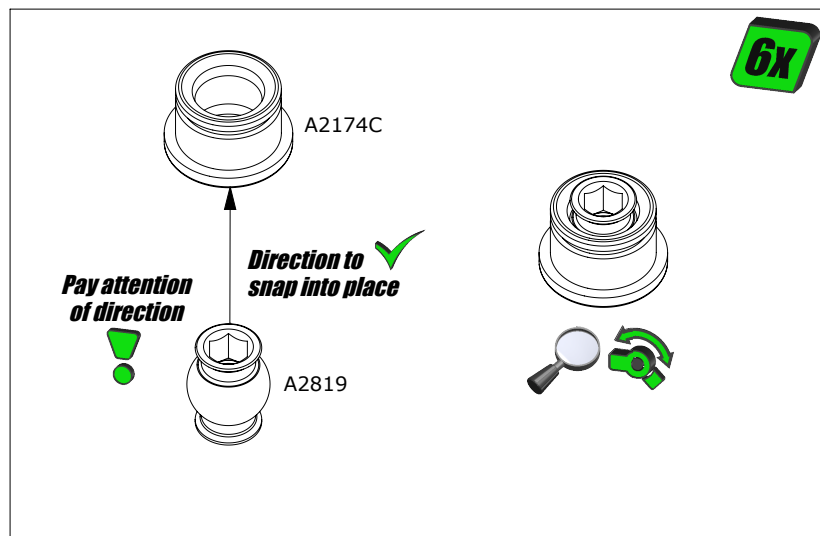
SiG2x3	SiG2x14	SiG3x8	SJG2x6	SJG3x6	SG3x12	SK3x5	CTW-28
SiG2x4	SiG3x4	SiG3x10	SJG2x8	SJG3x8	SG3x16	SK3x6	OE1.2
SiG2x6	SiG3x5	SiG3x12	SJG2x10	SJG3x10	SK3x2.6	SK3x8	OW3x5x0.2
SiG2x12	SiG3x6	SJG2x4	SJG3x5	SJG3x12	SK3x3	SK3x12	

SK3x8 4pcs.

Bag
A₁

Bag
A₂

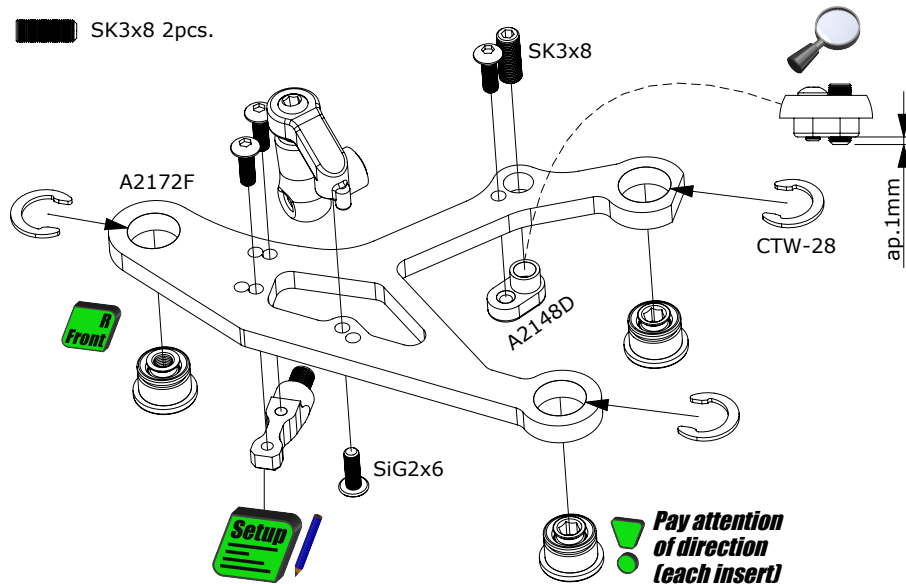
A2545
(X-Ring)
B0316Z
(Silicone oil)



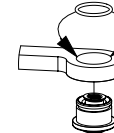
SiG2x6 8pcs.

CTW-28 6pcs.

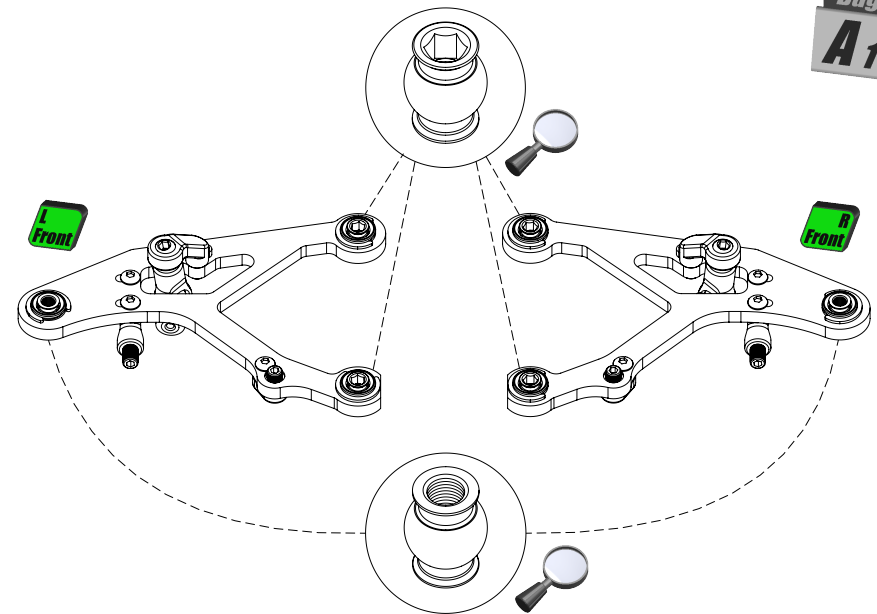
SK3x8 2pcs.



O-Ring OR4x1



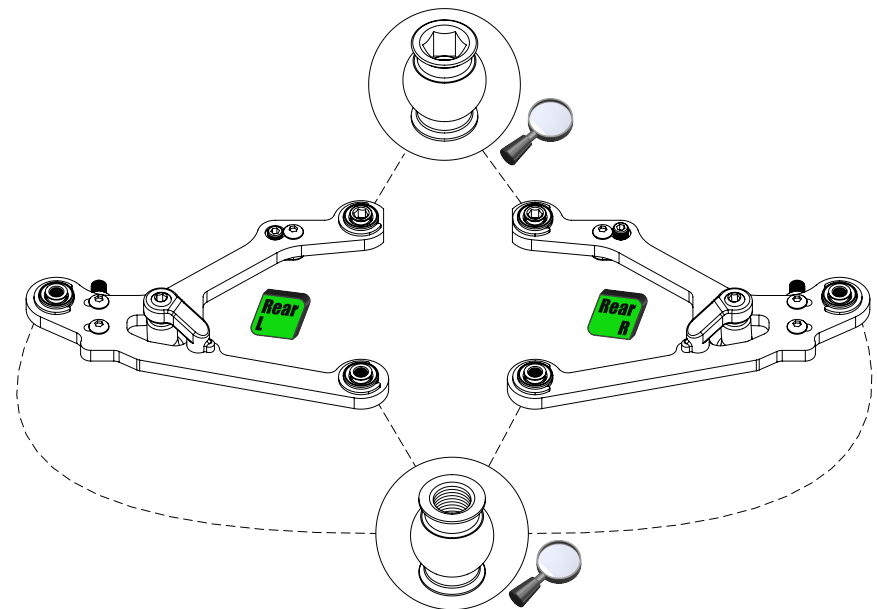
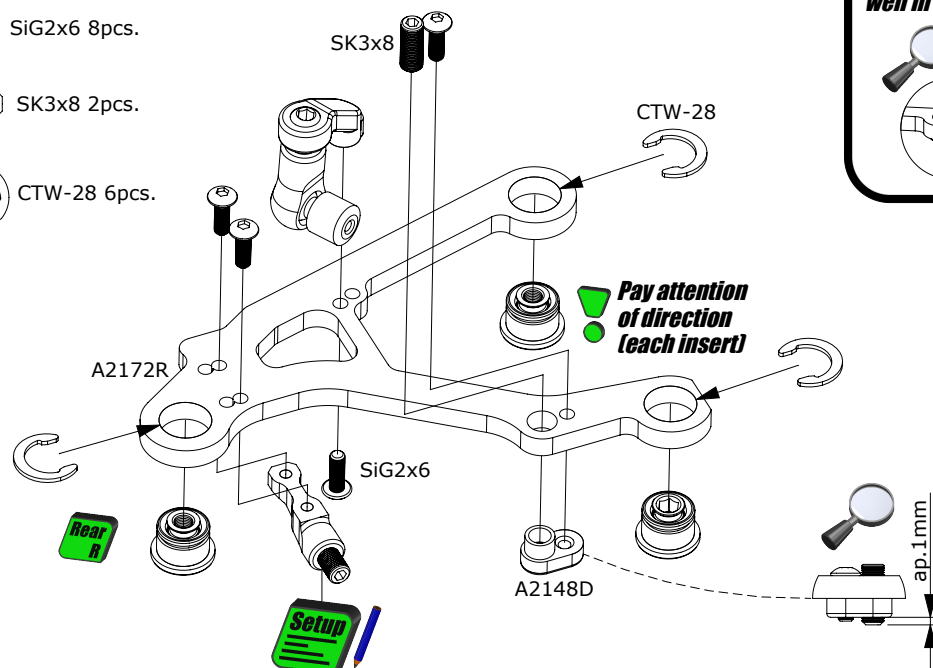
Be sure that the O-Ring is sitting well in the groove



SiG2x6 8pcs.

SK3x8 2pcs.

CTW-28 6pcs.



 OE1.2 2pcs.

 SiG2x6 2pcs.

 SiG3x8 4pcs. **Opt** included in A2820

Pay attention of direction 

A2806



**Pay attention
of direction** 



4mm

14,25mm

A2171A

A2171B

SiG3x8

SK3x2,6 **Laser engraving R**

Rear L
1x

Rear R
1x

OE1.2

1 Snap-in

***Use a bit of grease
to avoid loosing the
clip (OE1.2)***

Upperlink position



SK3x2,6 2pcs.

SJG3x5 4pcs.

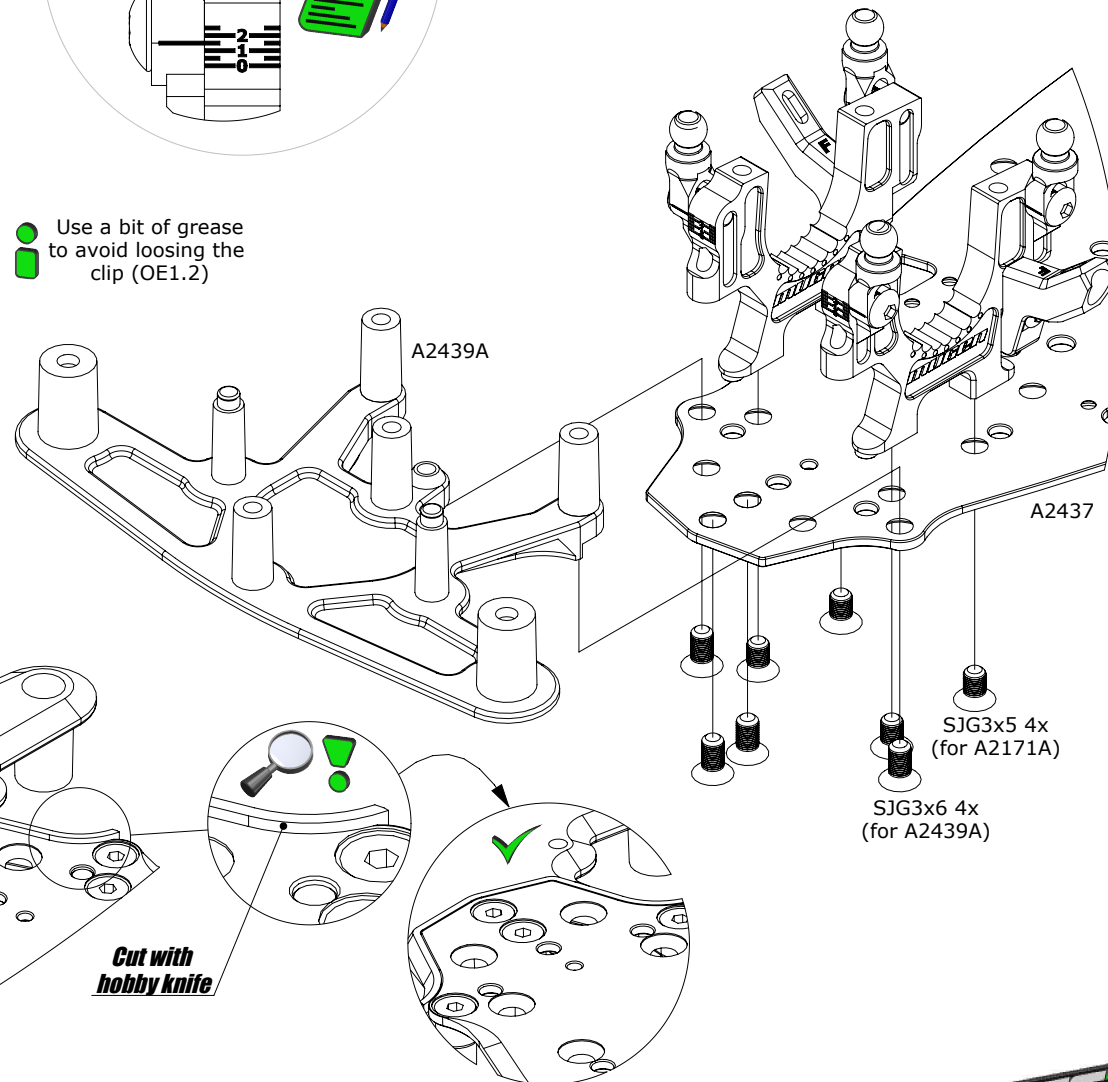
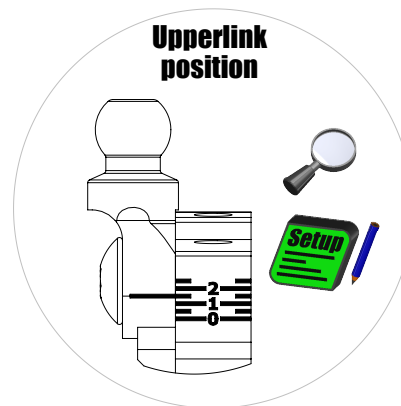
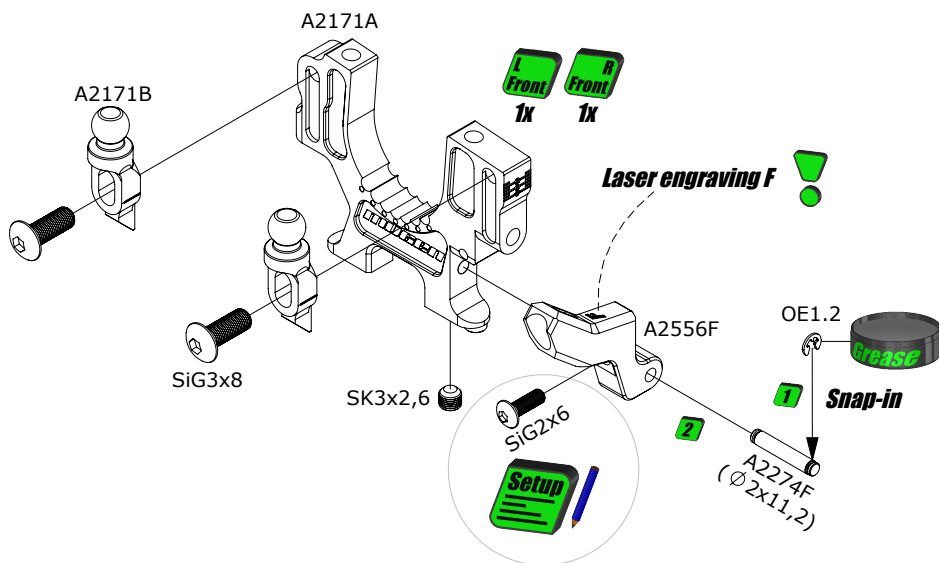
SiG2x6 2pcs.

SJG3x6 4pcs.

SiG3x8 4pcs. **Opt** Included in A2820

OE1.2 2pcs.

Bag
A1
Bag
Chassis



 SJG3x5 4pcs.

 SJG3x6 6pcs.

 SJG3x8 1pc. **Opt** included in A2820

 SiG3x8 2pcs. **Opt** included in A2820

Bag
A1

A2442

SJG3x8


**Pay attention
of direction**

A2439G

SiG3x8

SJG3x5

**Pay attention
of direction**

A2173F

SJG3x6

**Pay attention
of direction**

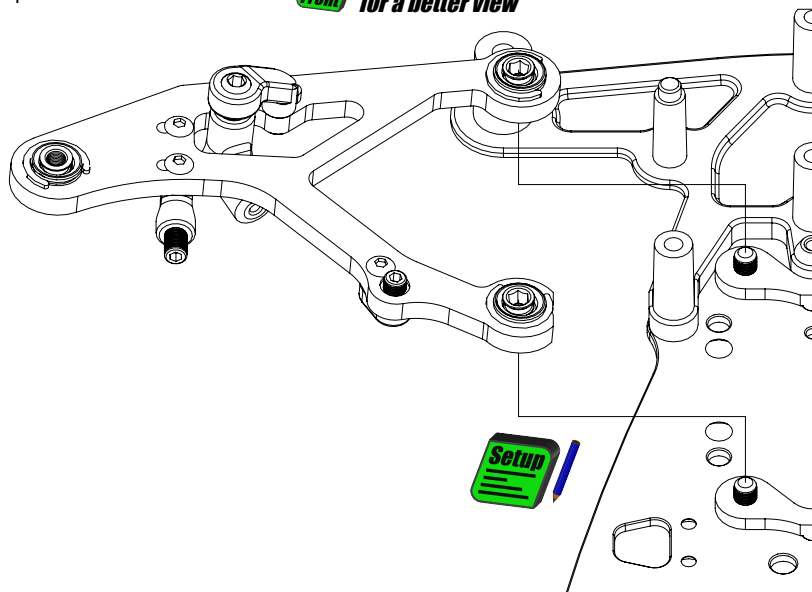
 (Bumper & left bulkhead
hidden for a better view)

 SJG3x10 2pcs.  **Opt** included in A2820

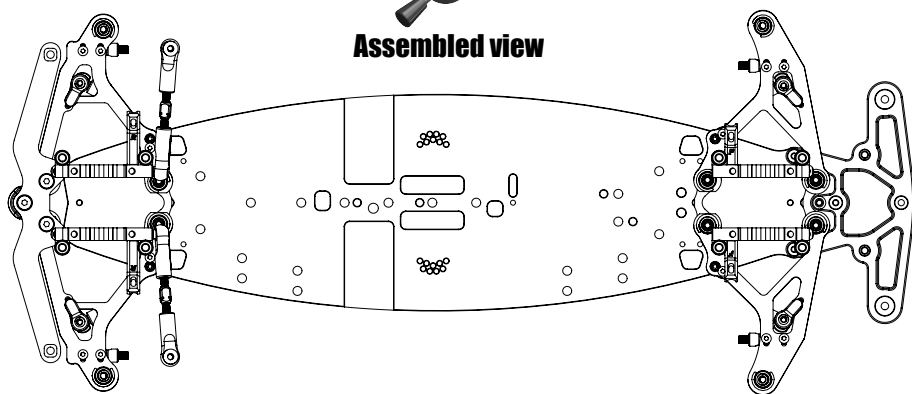
 A2811(0,5mm) 4pcs.

 A2804(2mm) 2pcs.

 **Front** Bulkhead hidden for a better view

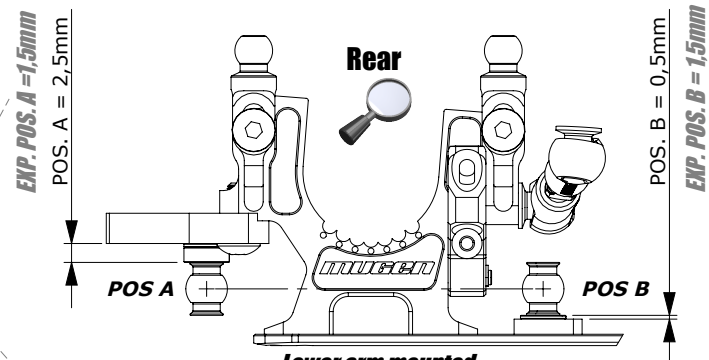
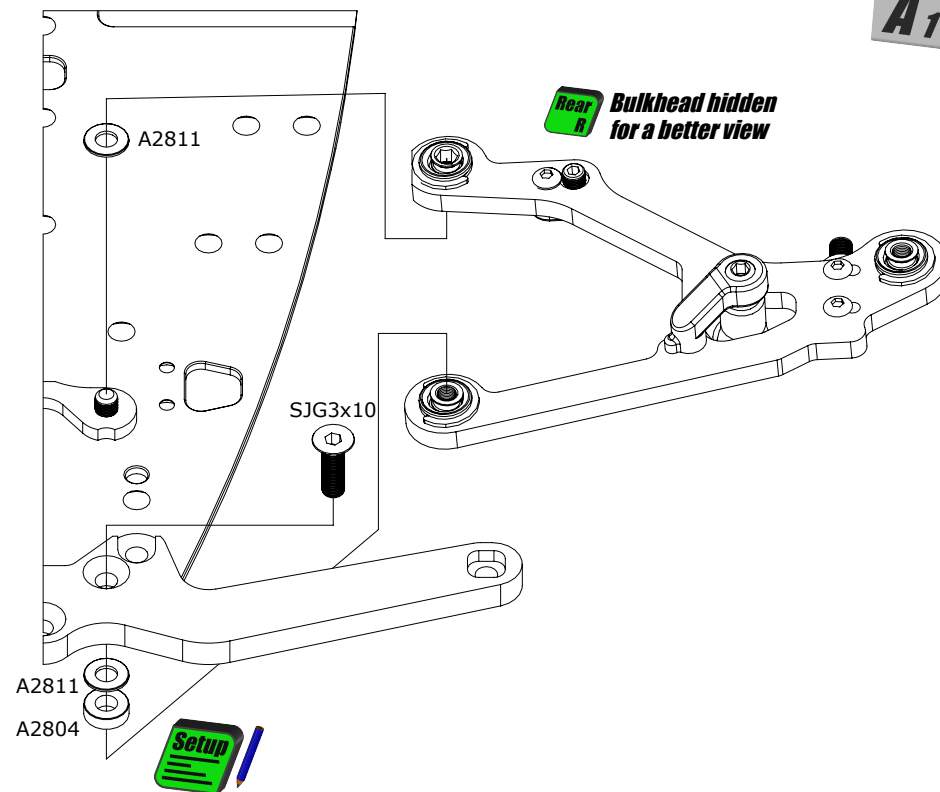


 **Assembled view**



Bag
A1

 **Rear** Bulkhead hidden for a better view



 **Lower arm mounted straight with the values shown above**

EXP. Raise lower arm height by 1mm

MTC3
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 SJG2x4 2pcs.

A2174E

A2601

A2122

ap. 90°

SK3x3

SJG2x4

1,2mm (front)
A2178/12



1,1mm (rear)
A2178/11

Bag
B₁

A2178/11
A2178/12
(ARB wire)

Bag
C₁

1

SK3x3

Lower arms must move freely

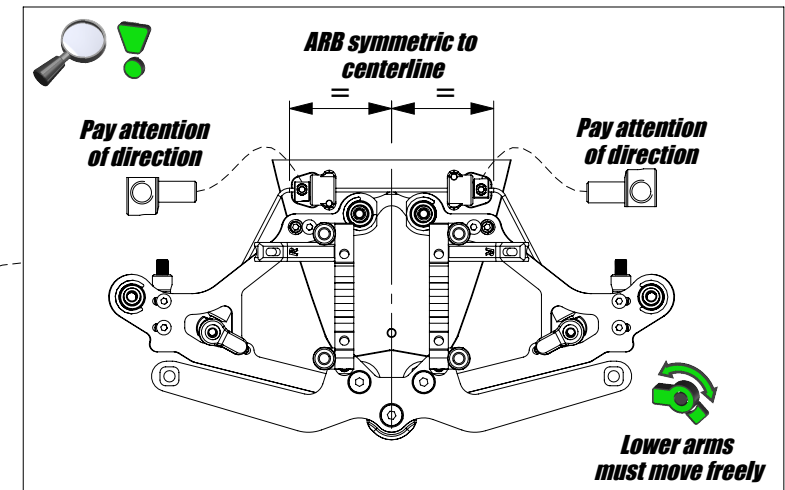
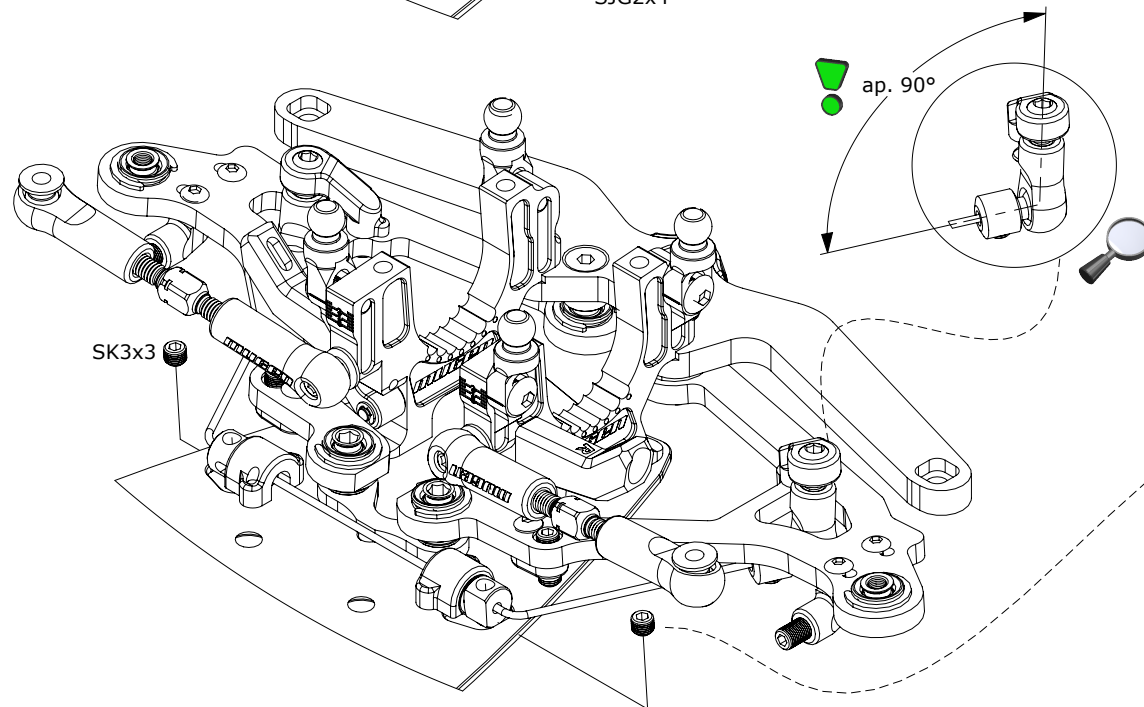
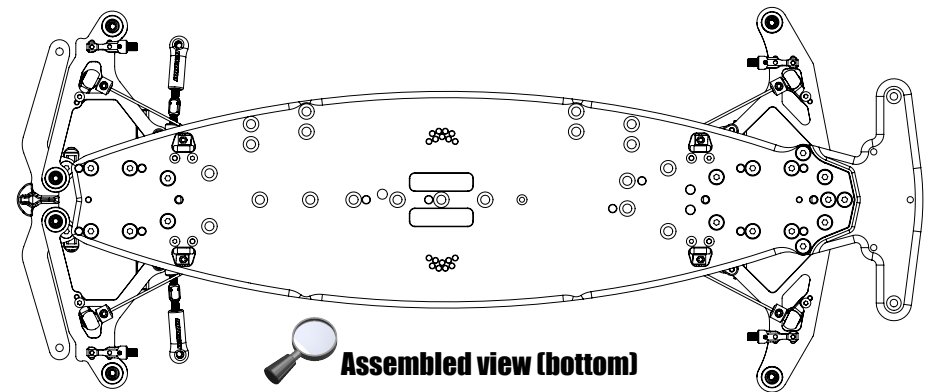
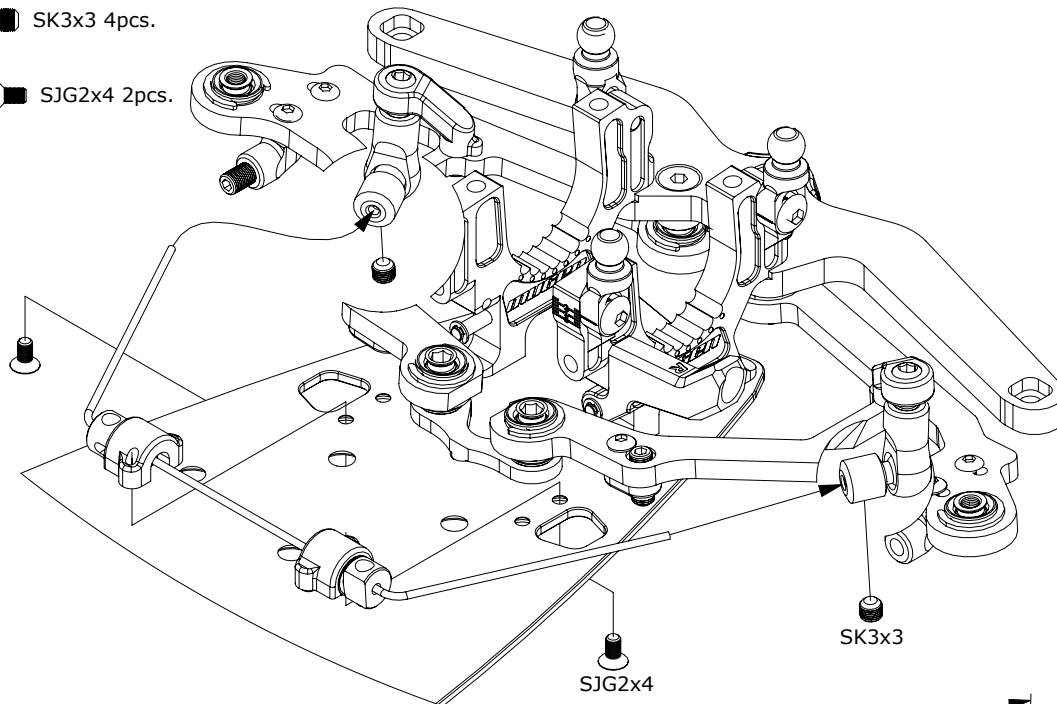
***Pay attention
of direction***

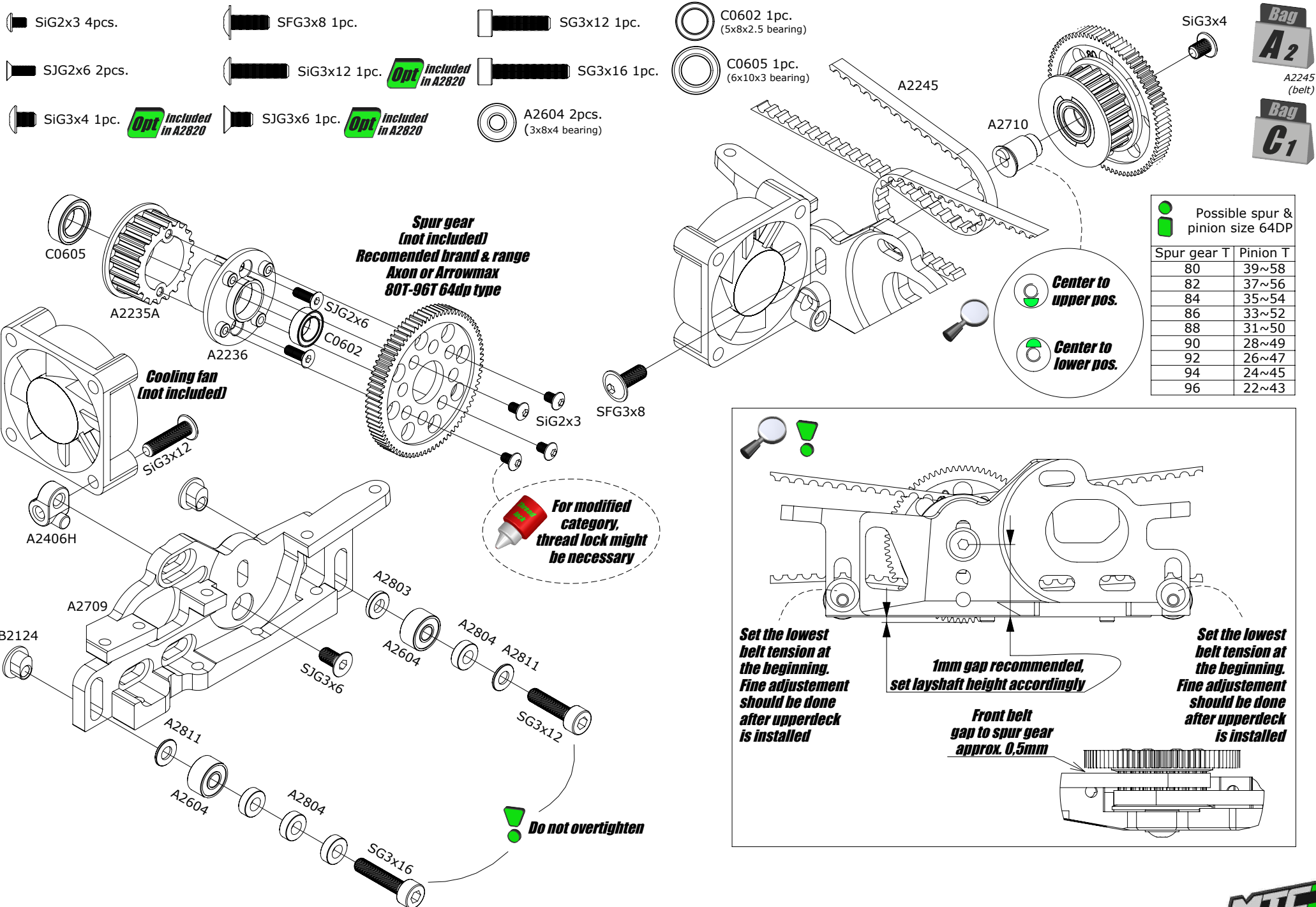
***Pay attention
of direction***

ARB symmetric to centerline

■ SK3x3 4pcs.

■ SJG2x4 2pcs.

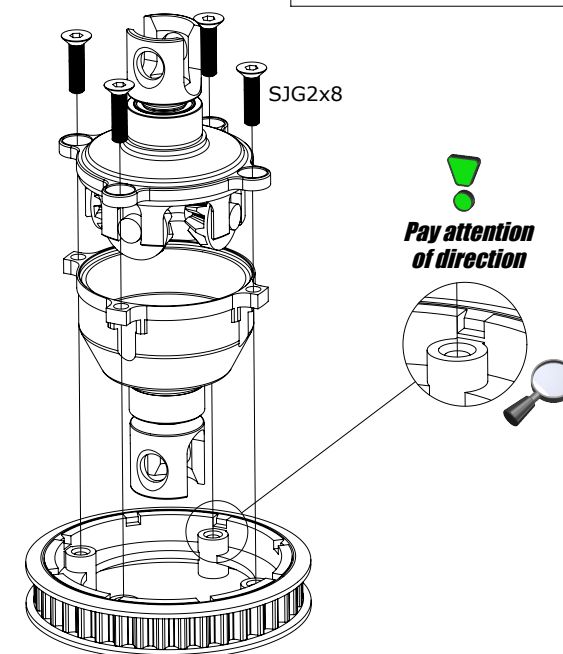
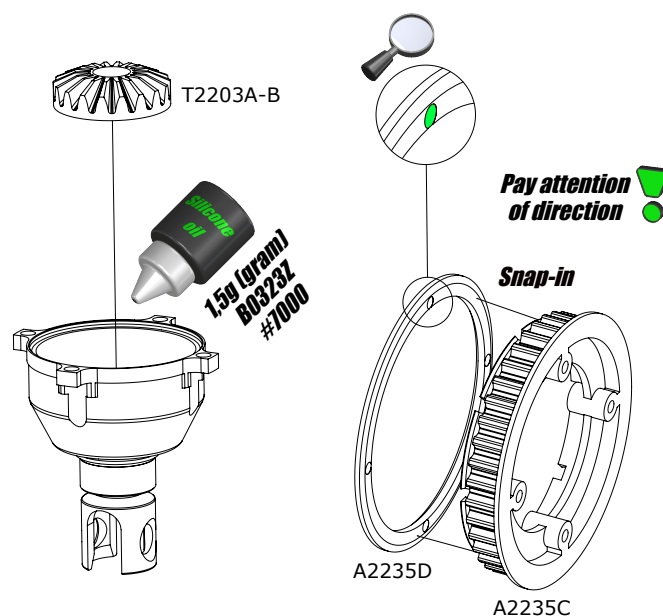
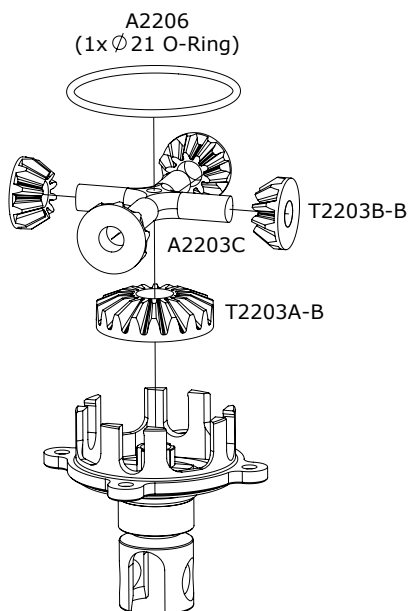
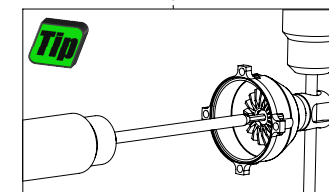
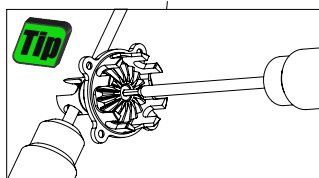
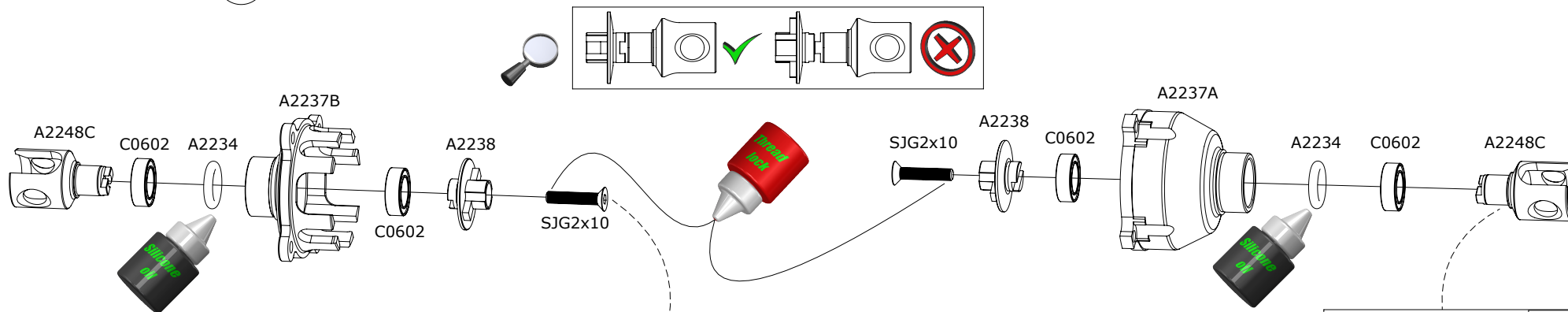




-  SJG2x8 4pcs.
 C0602 (5x8x2.5 bearing) 4pcs.
 SJG2x10 2pcs.
 A2234 2pcs. (S5 O-Ring red 50°)

 **Be sure everything fits together smoothly**

Bag
D1



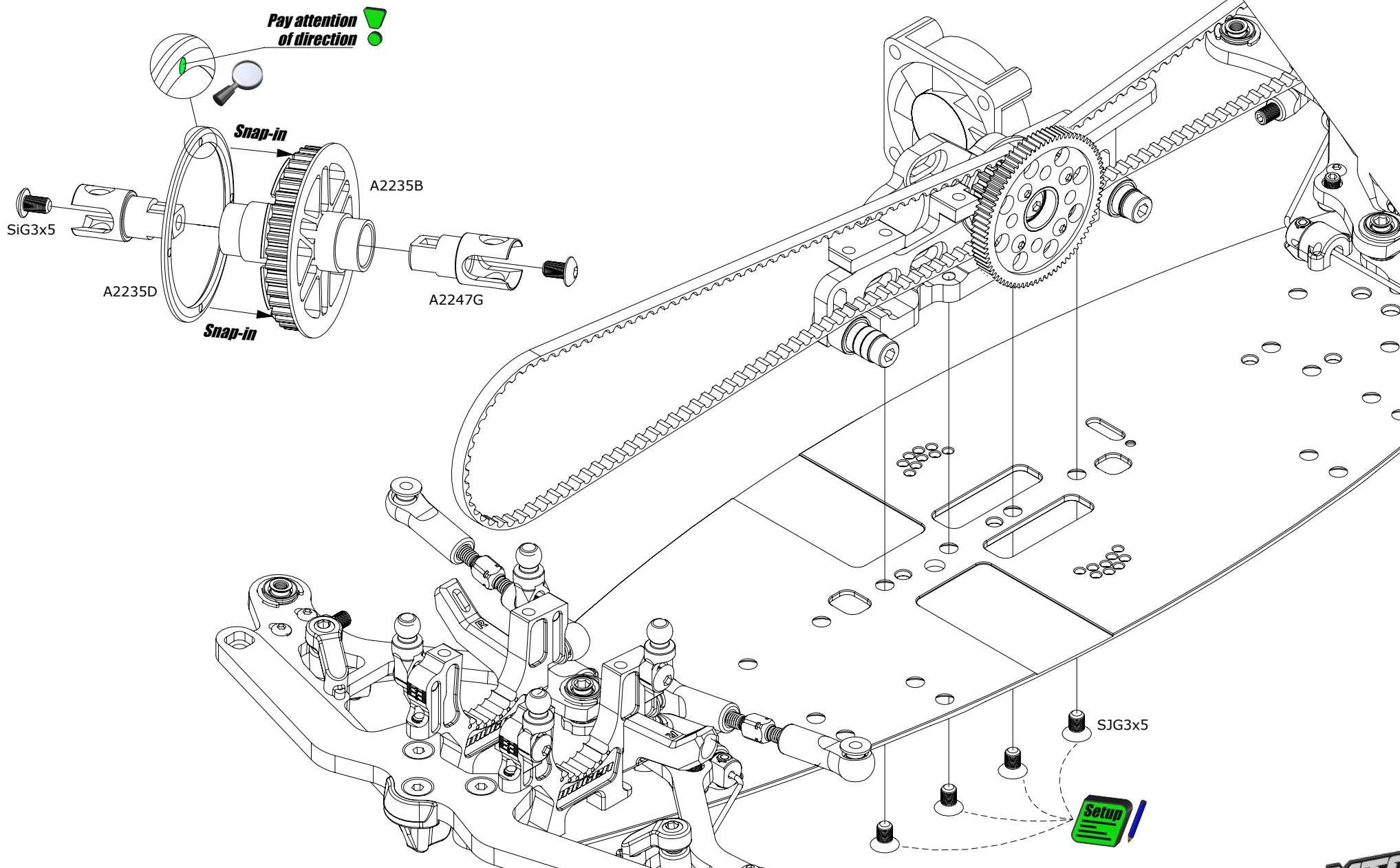
 **The spare part differential set A2249a contains OW3.5x7.5x0.2 washers. Please do not use these!!!**

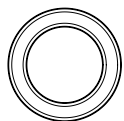
MTC3
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SiG3x5 2pcs. **Opt** included in A2820

SiG3x5 4pcs.

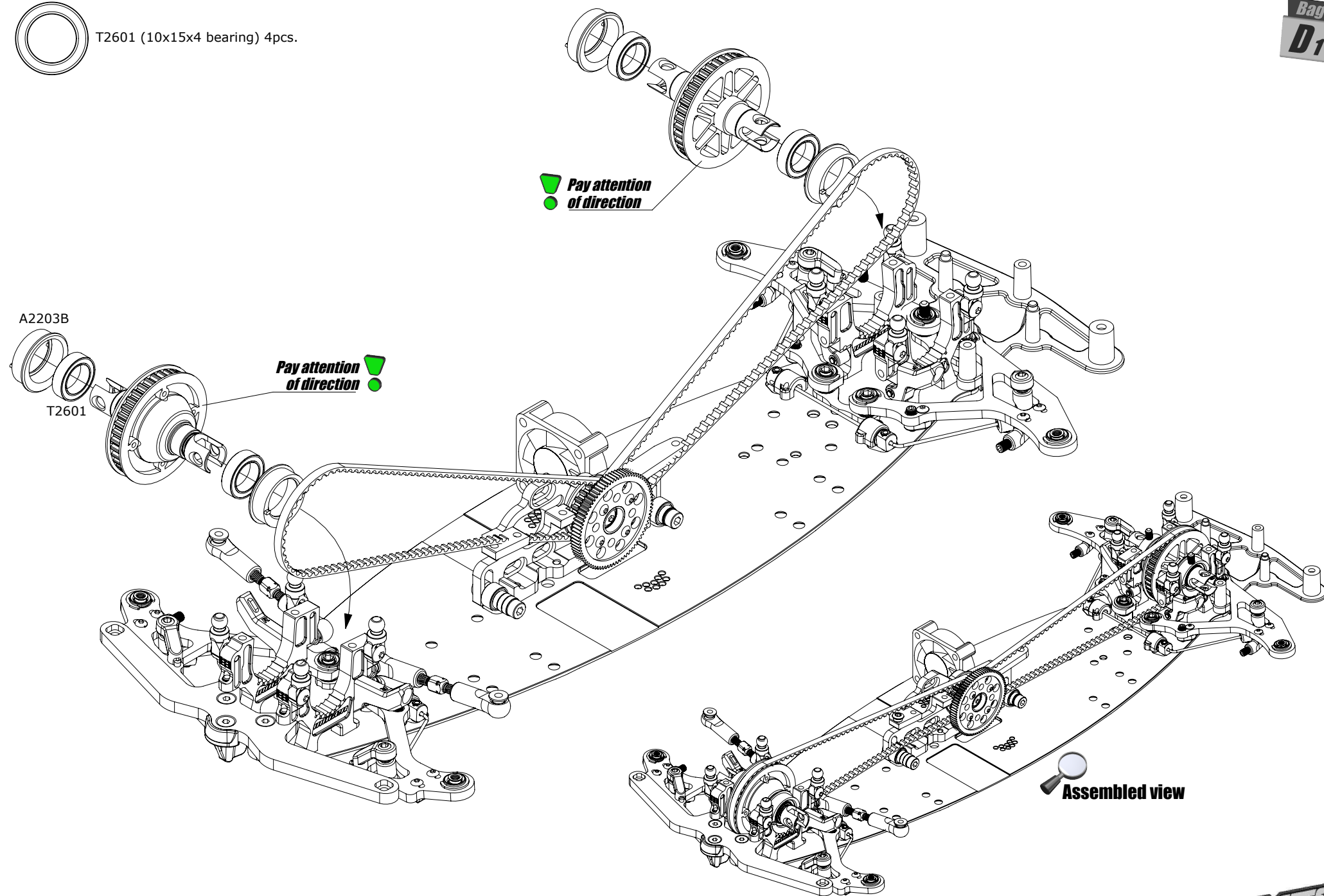
Bag
D1





T2601 (10x15x4 bearing) 4pcs.

Bag
D1



SK3x5 2pcs.

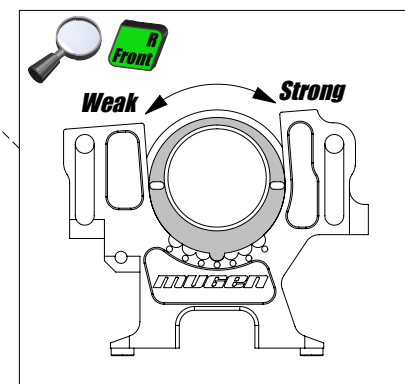
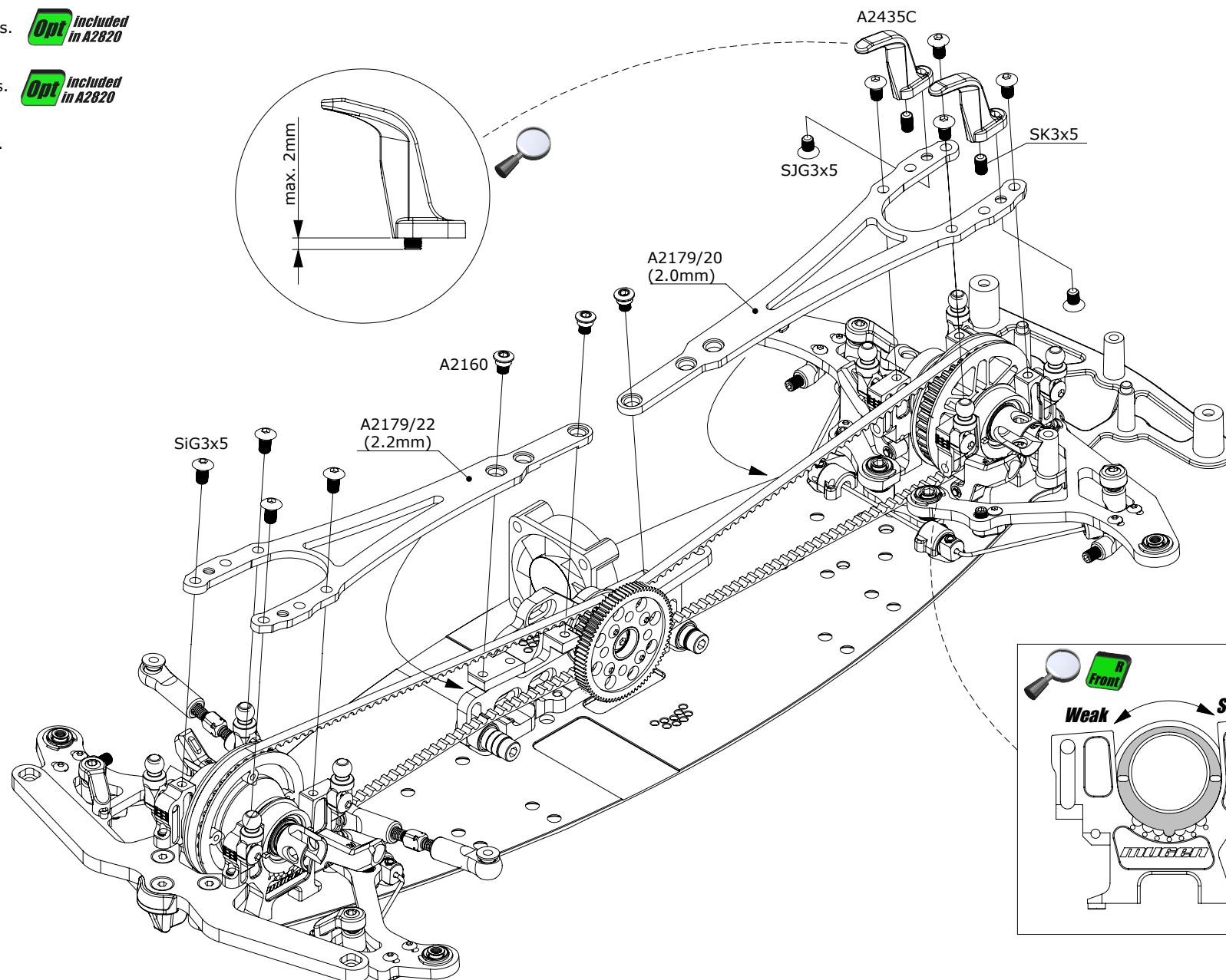
SiG3x5 8pcs. **Opt** Included in A2820

SJG3x5 2pcs. **Opt** Included in A2820

A2160 3pcs.



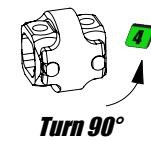
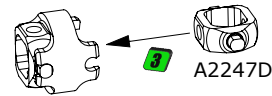
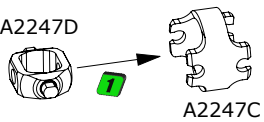
A2179/22
A2179/20
(upperdeck)



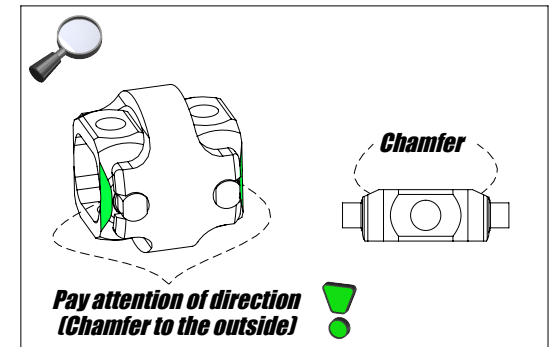
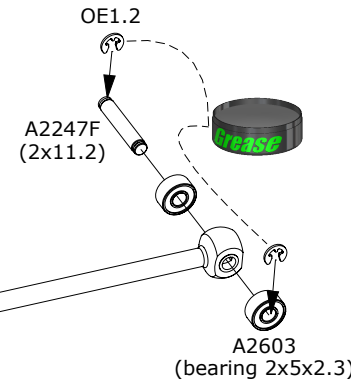
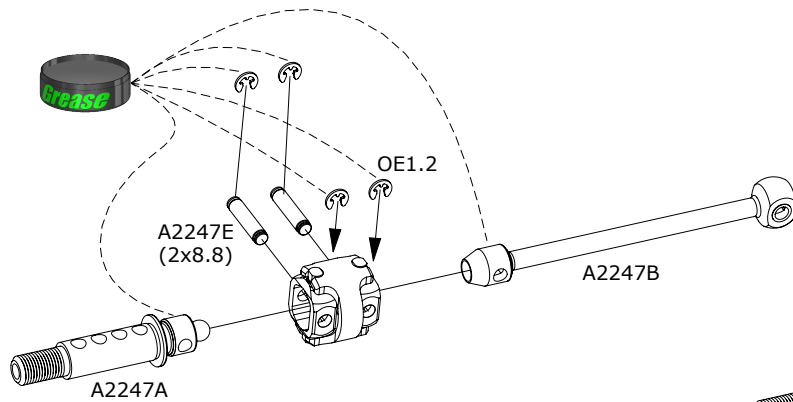
OE1.2 12x

A2603 4x
(bearing 2x5x2.3)

A2247D

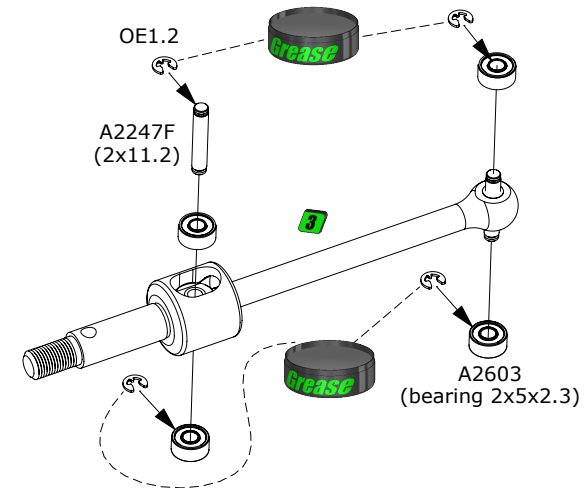
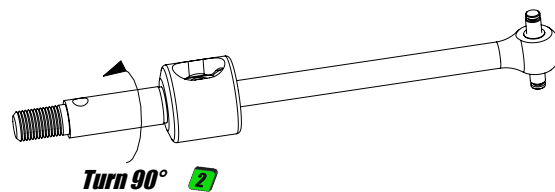
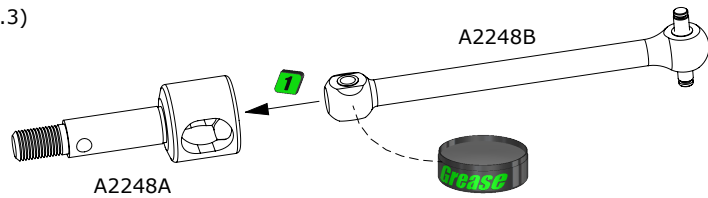


Bag
E1



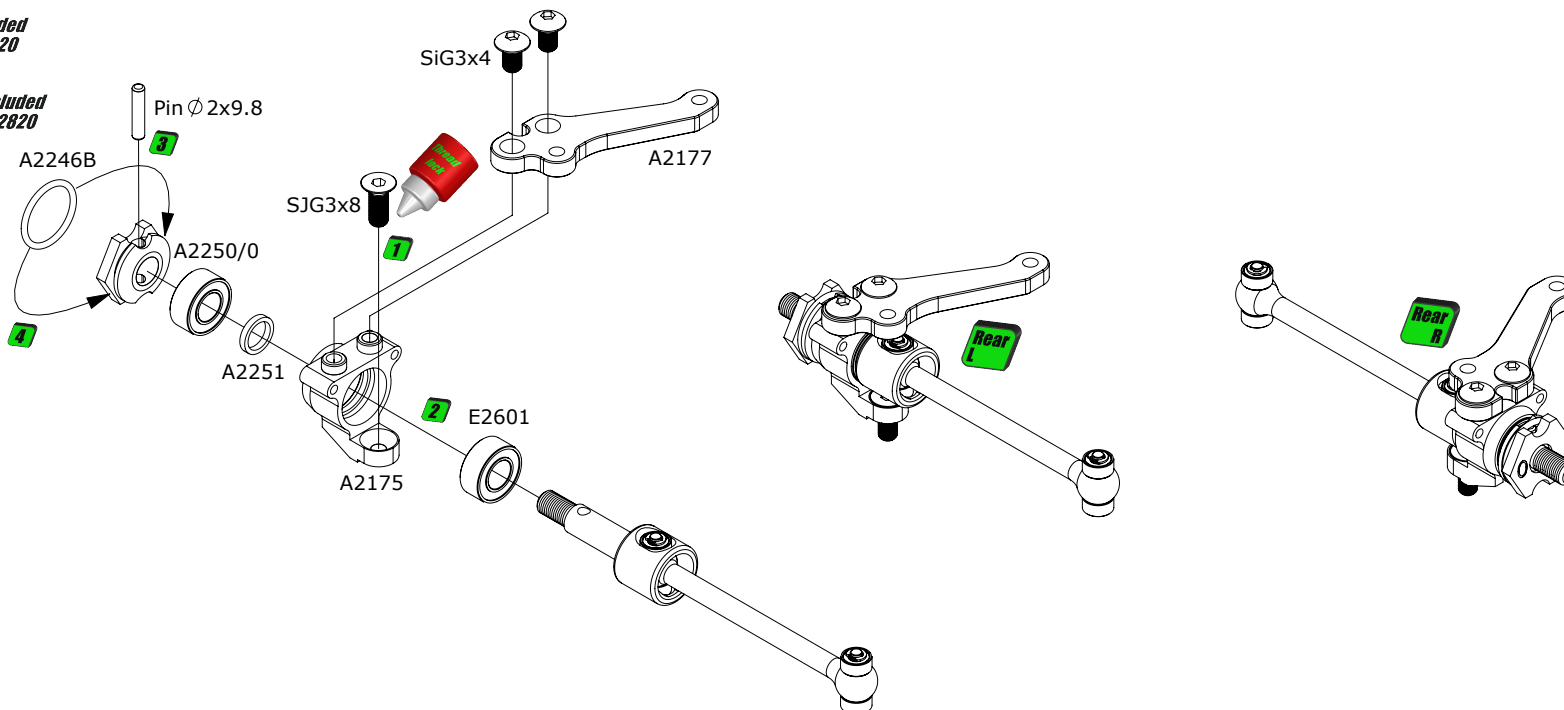
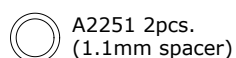
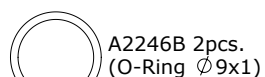
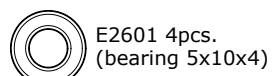
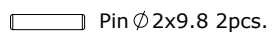
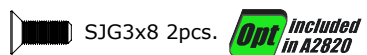
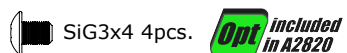
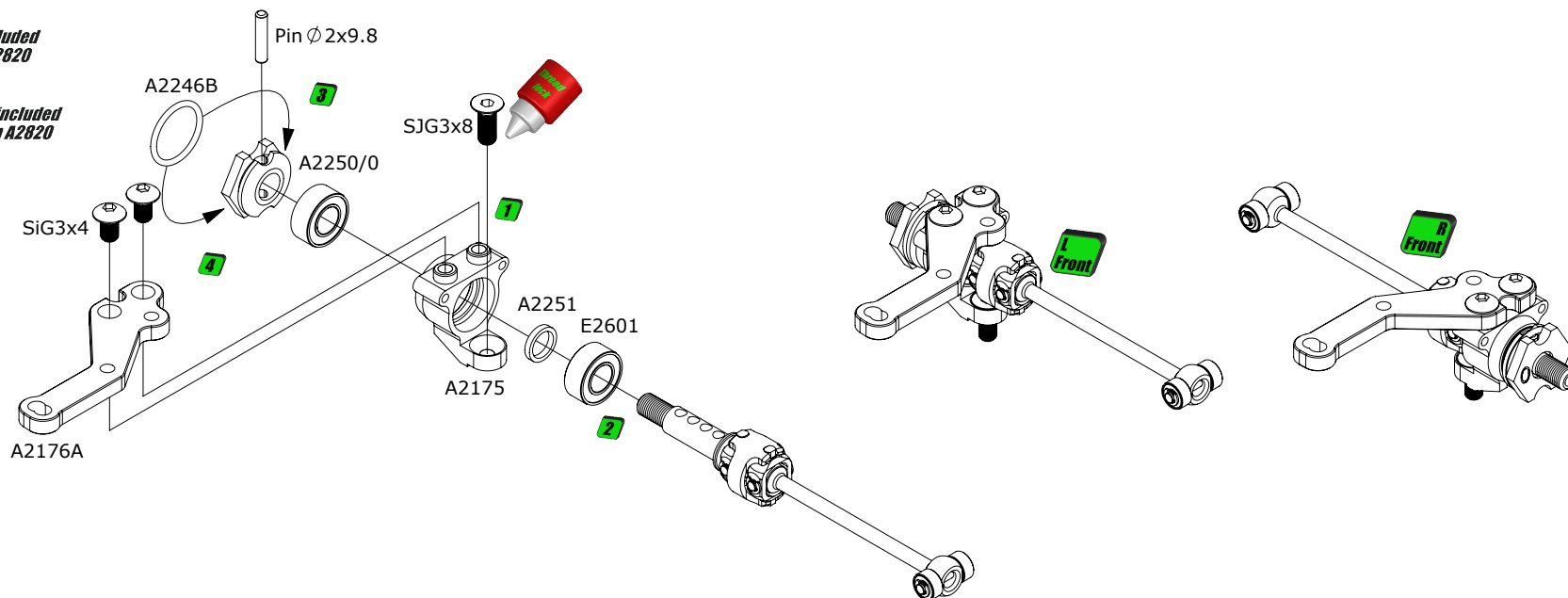
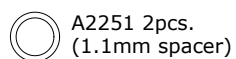
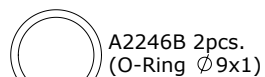
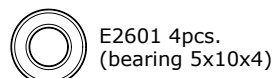
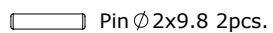
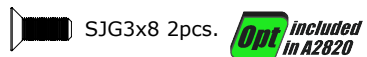
OE1.2 8x

A2603 8x
(bearing 2x5x2.3)



2x

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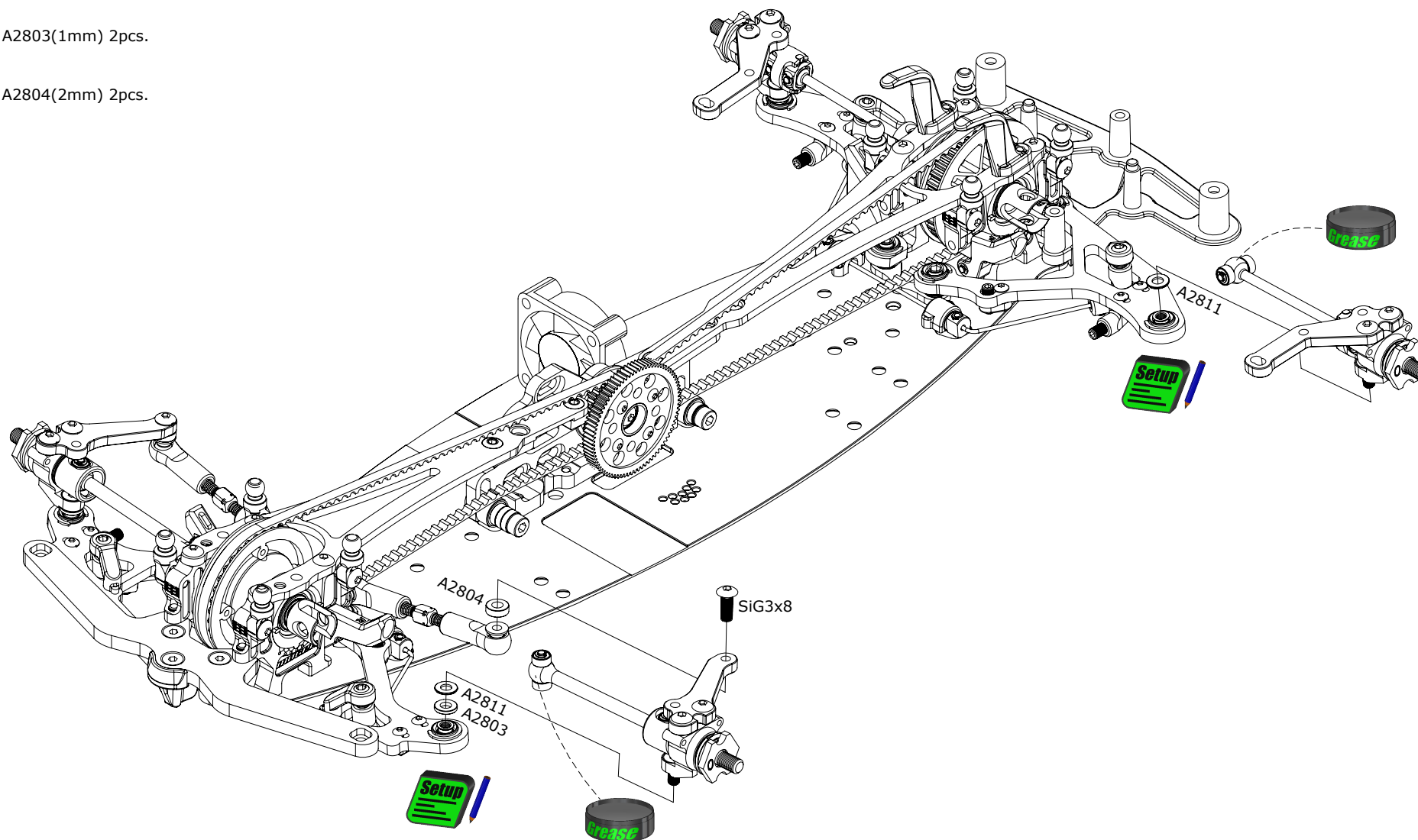
SiG3x8 2pcs.  Included
in A2820

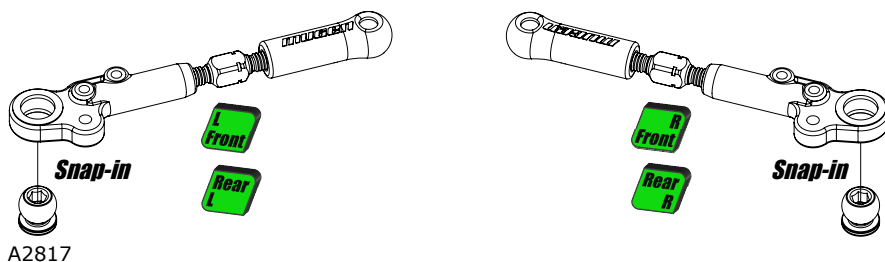
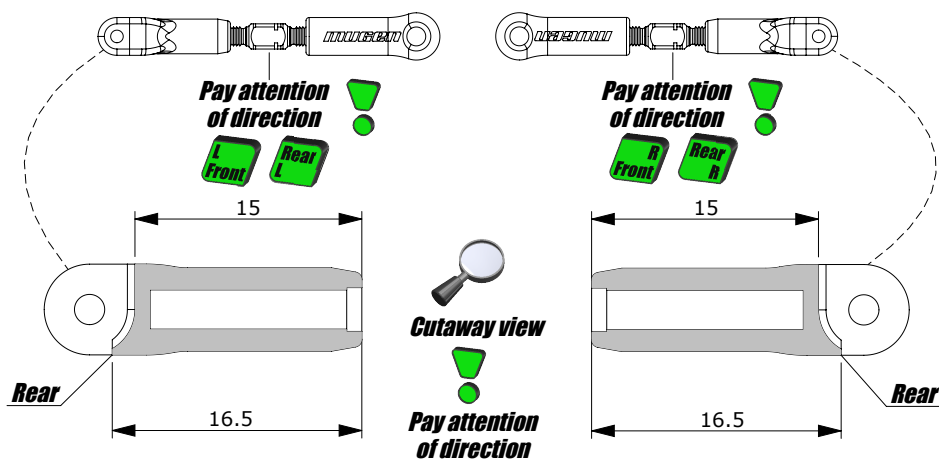
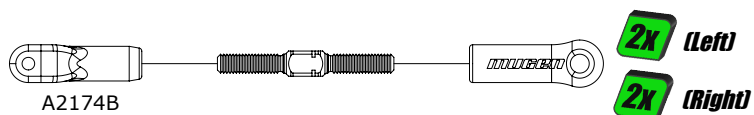
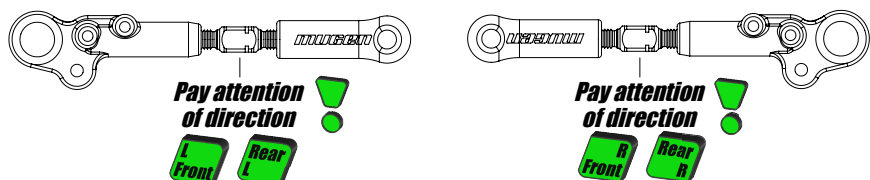
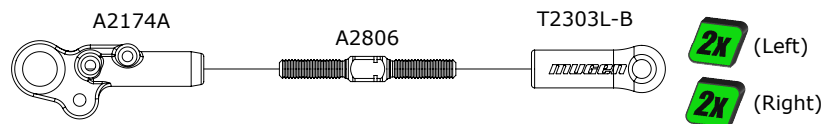
Bag
E1

 A2811(0,5mm) 4pcs.

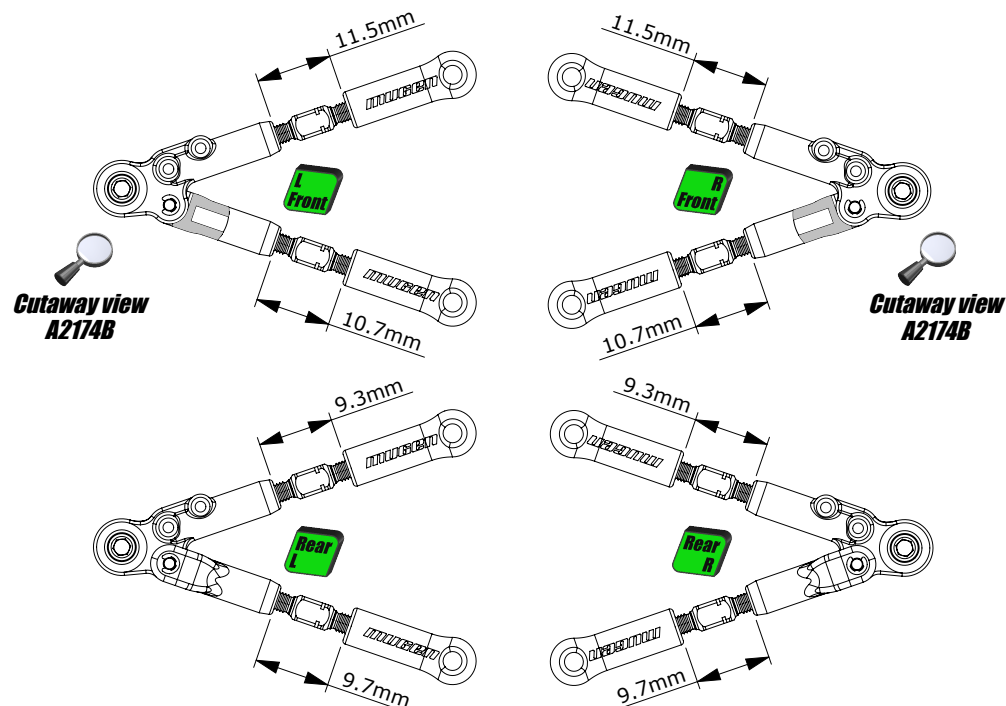
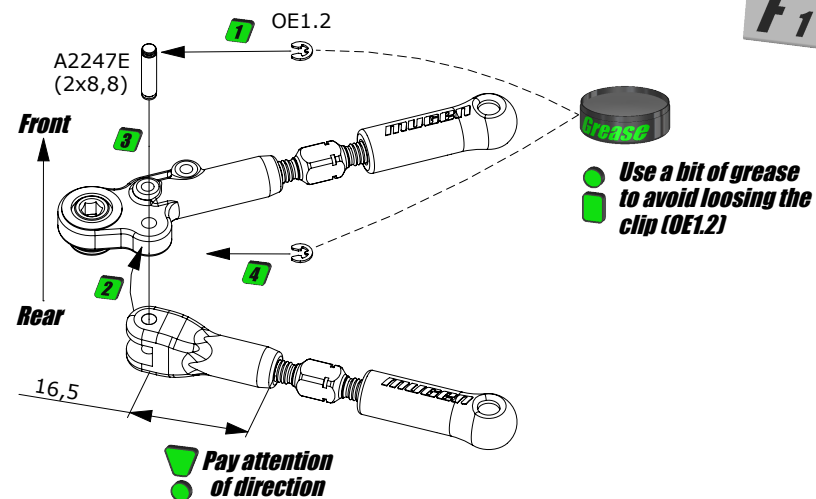
 A2803(1mm) 2pcs.

 A2804(2mm) 2pcs.





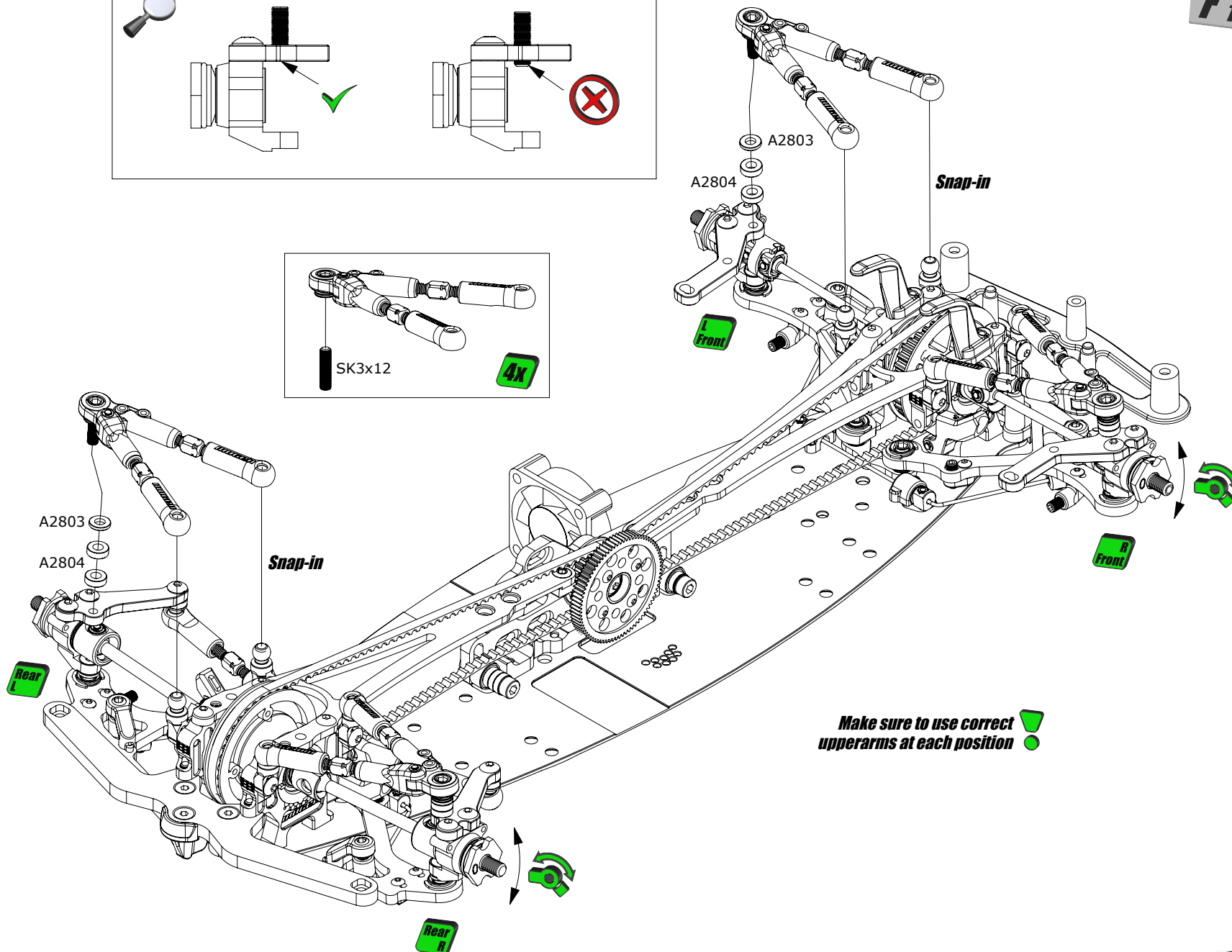
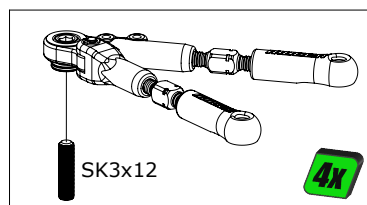
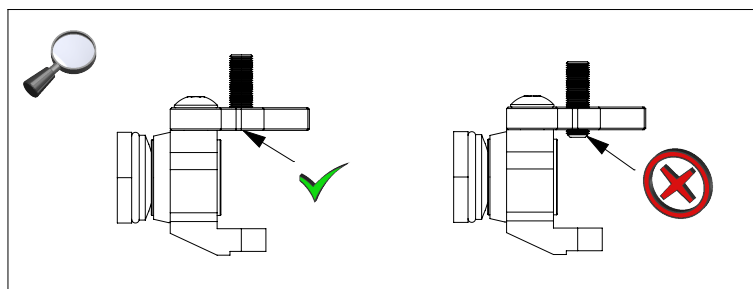
A2817



SK3x12 4pcs.

A2804(2mm) 8pcs.

A2803(1mm) 4pcs.



Make sure to use correct upperarms at each position

SK3x8 1pc.

SJG3x5 2pcs. **Opt** included in A2820

SJG3x12 2pcs. **Opt** included in A2820

SiG3x10 1pc. **Opt** included in A2820

SiG3x12 1pc. **Opt** included in A2820

SiG2x6 1pc.

SN3 3pcs.

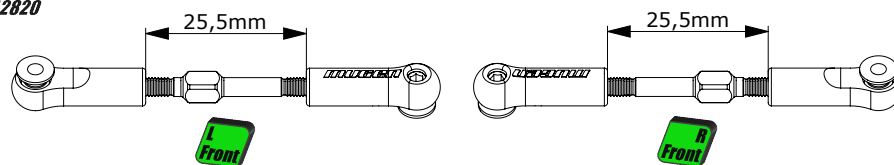
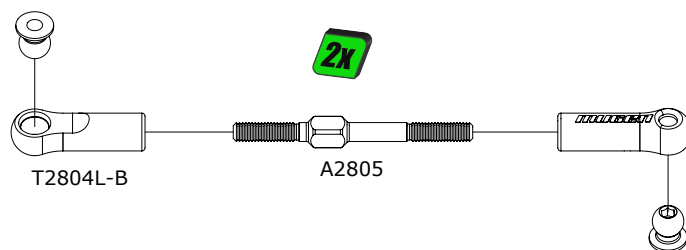
OW3x5x0,2 2pcs.

A2811(0,5mm) 1pc.

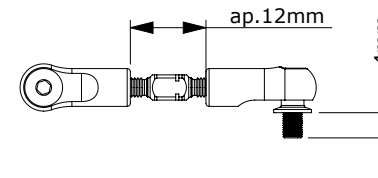
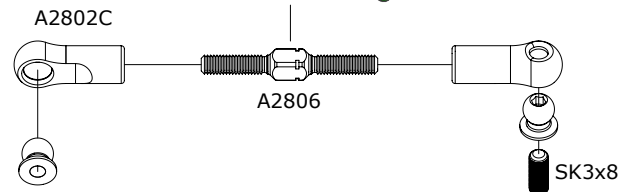
B2705 3x4,4x1 1pc.

A2601 2pcs.
(3x6x2,5 bearing)

A2813

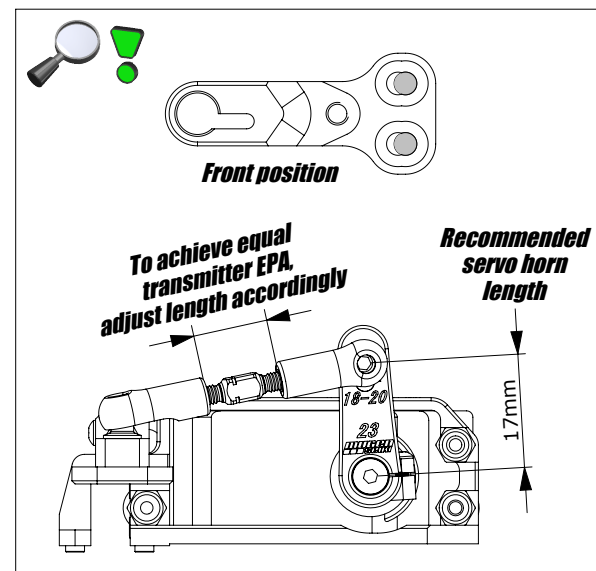
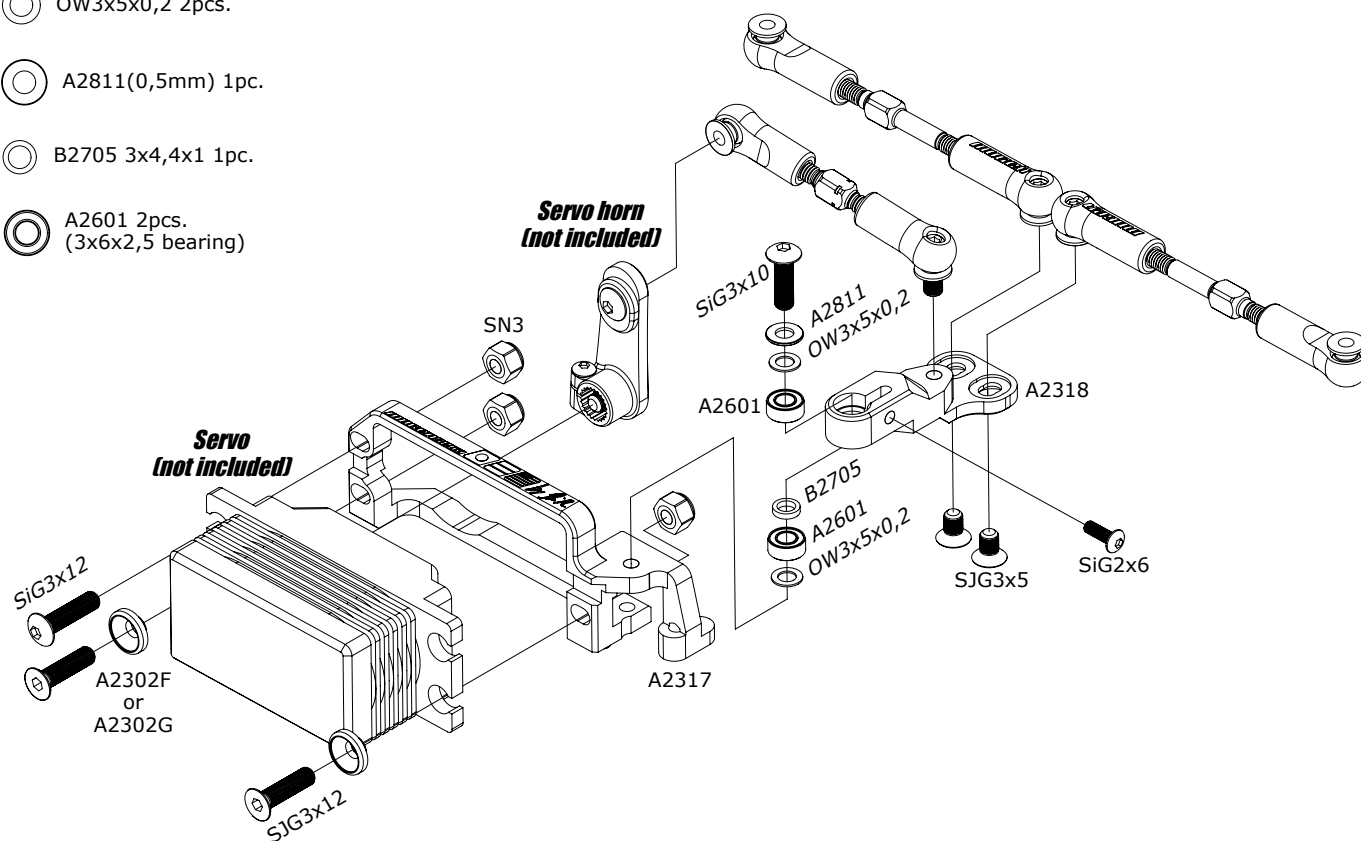


Pay attention of direction



Servo horn (not included)

Servo (not included)



Bag
F1

 SJG3x5 2pcs.

 SJG3x8 4pcs. **Opt** Included in A2820

 SJG3x10 2pcs. **Opt** Included in A2820

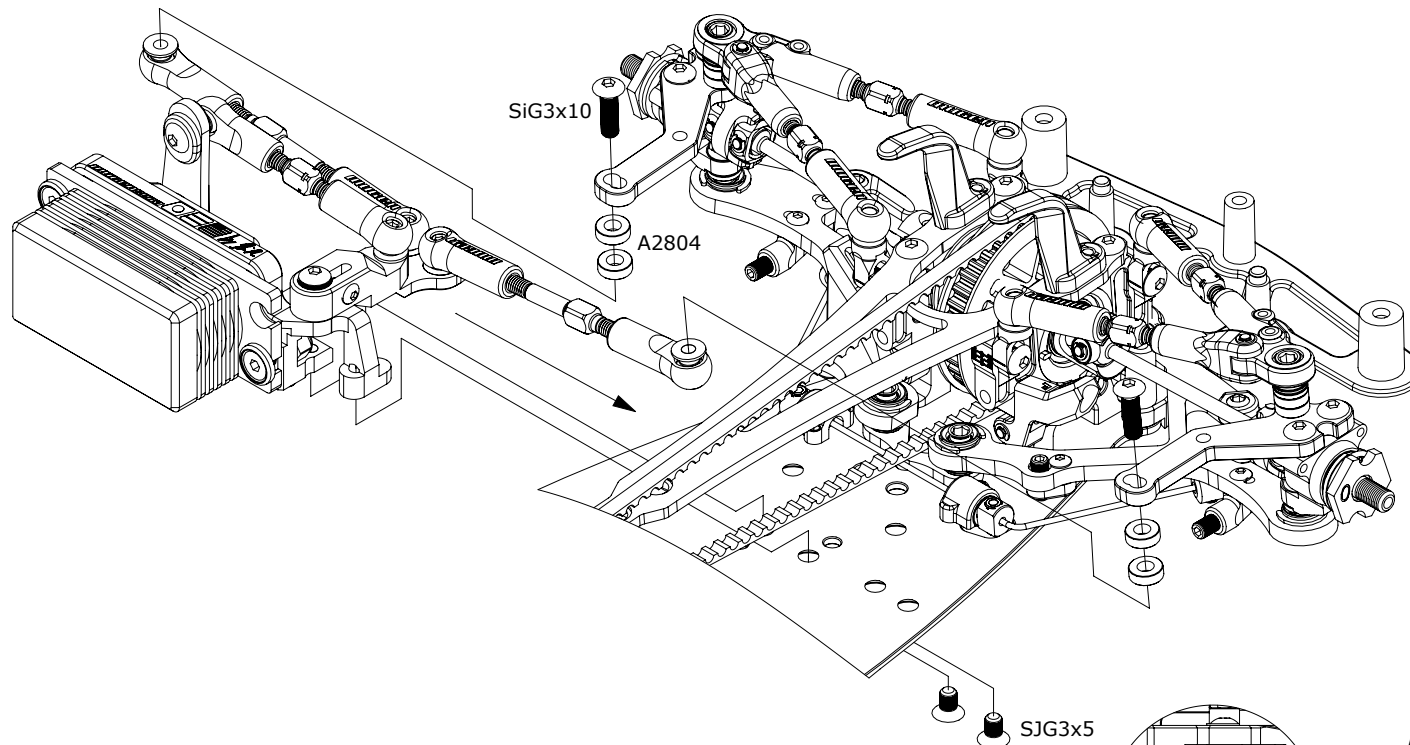
 SJG3x12 6pcs. **Opt** Included in A2820
 (A2820 contains only 2pcs. of SJG3x12T to attach A2406C)

 SiG3x10 2pcs. **Opt** Included in A2820

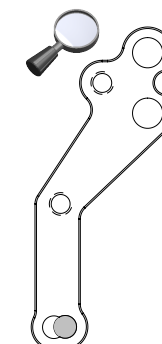
 A2803(1mm) 4pcs.

 A2811(0,5mm) 4pcs.

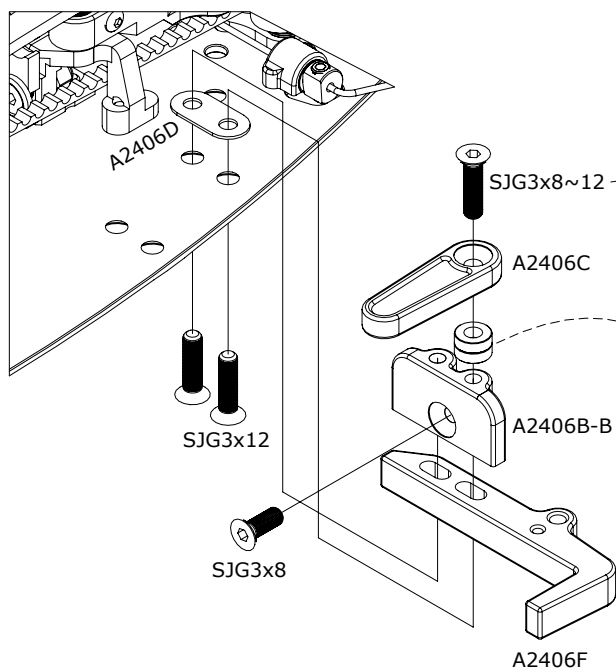
 A2804(2mm) 8pcs.



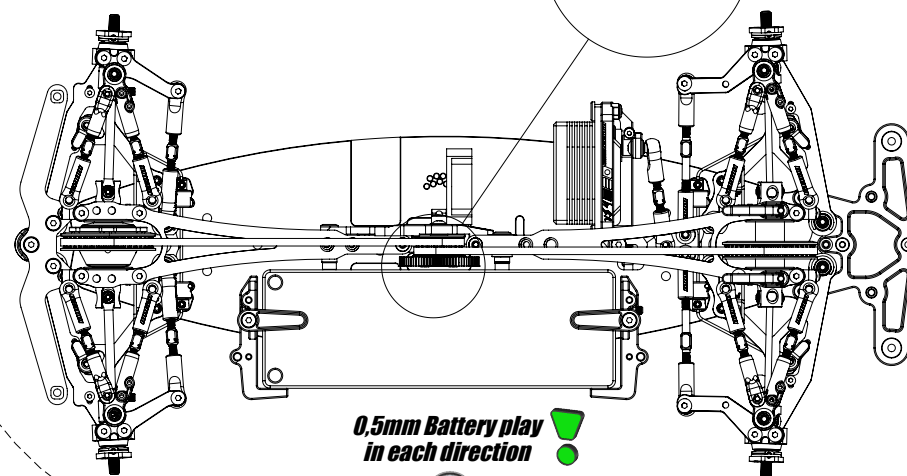
Bag
F1



Outside position



To achieve the recommended play
use the correct amount of shims
depending the battery height



Make sure that
the gap is big enough

0,5mm Battery play
in each direction

SK3x5 1pc.

SiG3x6 3pcs. **Opt** Included in A2820

SJG2x6 1pc.

Receiver & transponder (not included)

Install the receiver & transponder with B0406 double sided tape

Motor (not included)

ESC (not included)

Install ESC with B0406 double sided tape

Pinion (not included)
Recommended brand: Axon Arrowmax

Use all 3 screws

SiG3x6

Antenna mount

B0432

SJG2x6

E2808

SK3x5

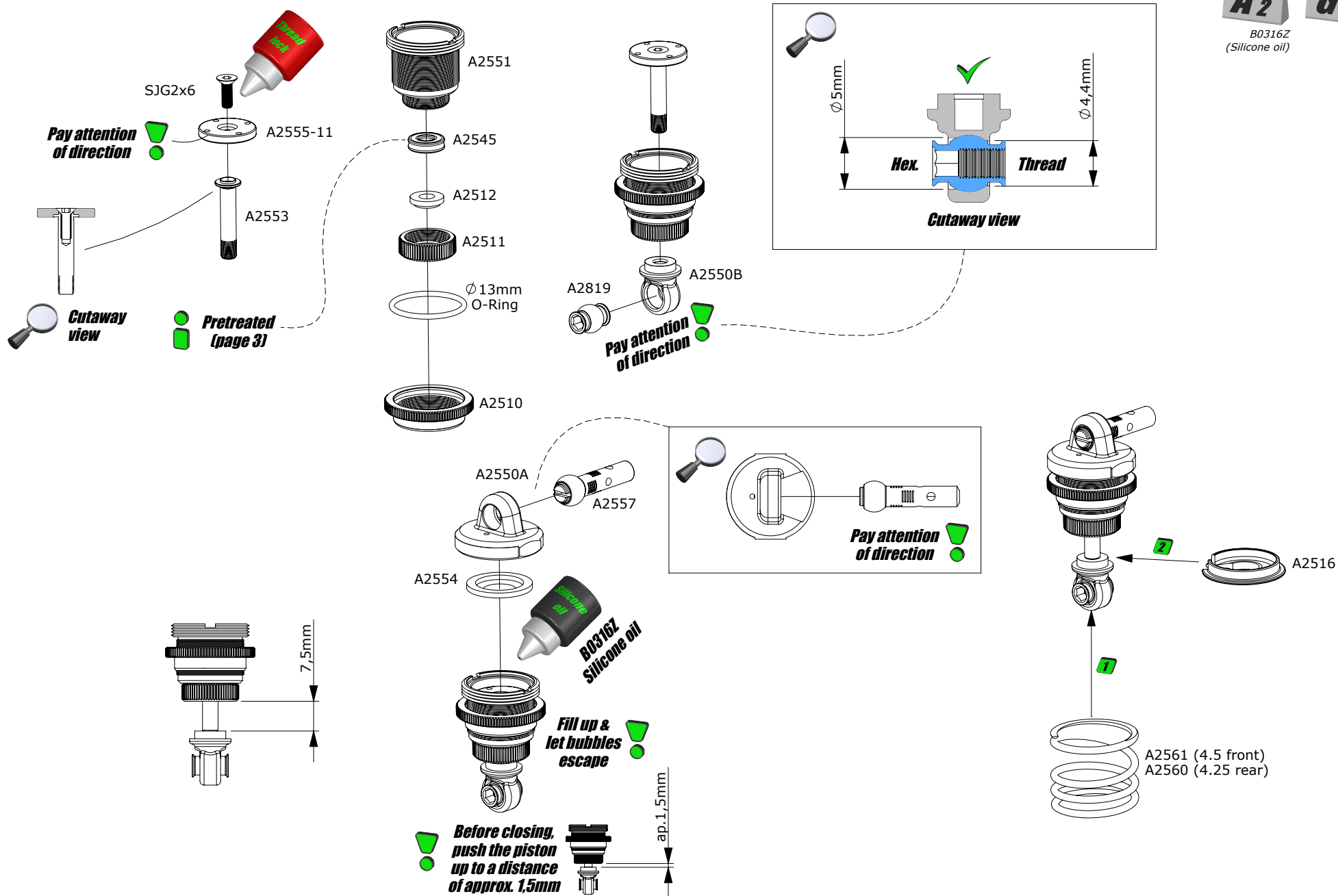
A2302H

Tighten the pinion from the bottom

Bag B1
Bag F1
B0406 (double sided tape)

■ SJG2x6 4pcs.

Bag A2 Bag G1
B0316Z
(Silicone oil)



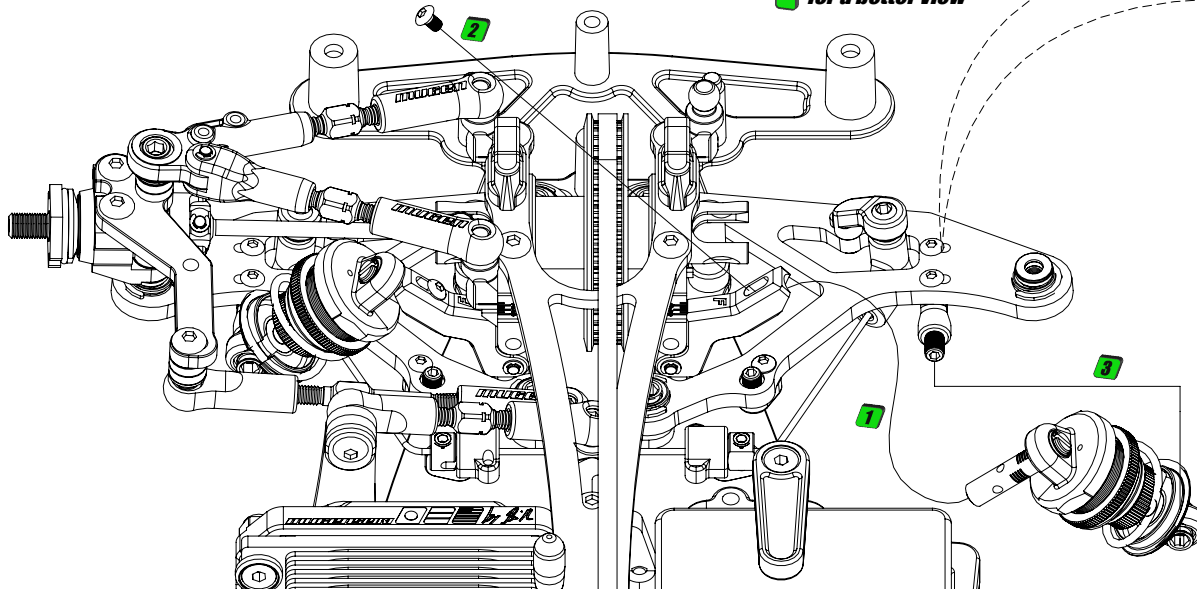
4x

SiG2x4 2pcs.

SiG2x4

Several parts hidden
for a better view

Bag
G1



Lower shock
pos. inside

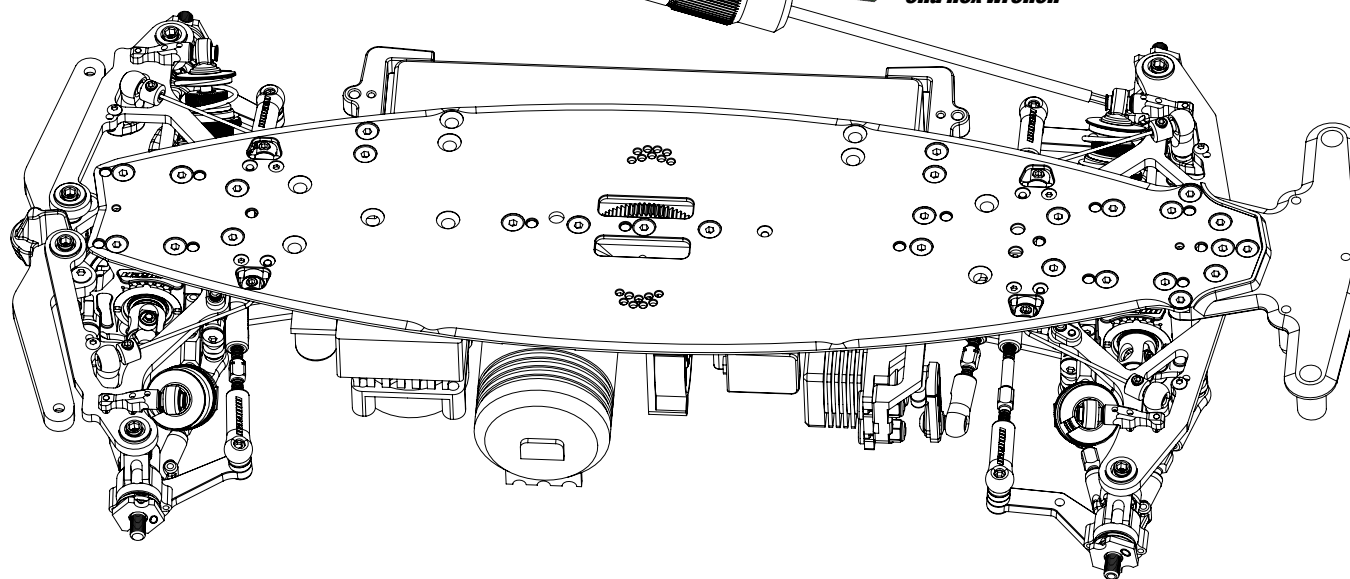
Lower shock
pos. outside

Horizontal only



Inside position = 0
Outside position = 3 (mm)
Default = 2 (mm)

Use a 2.5mm ball
end hex wrench



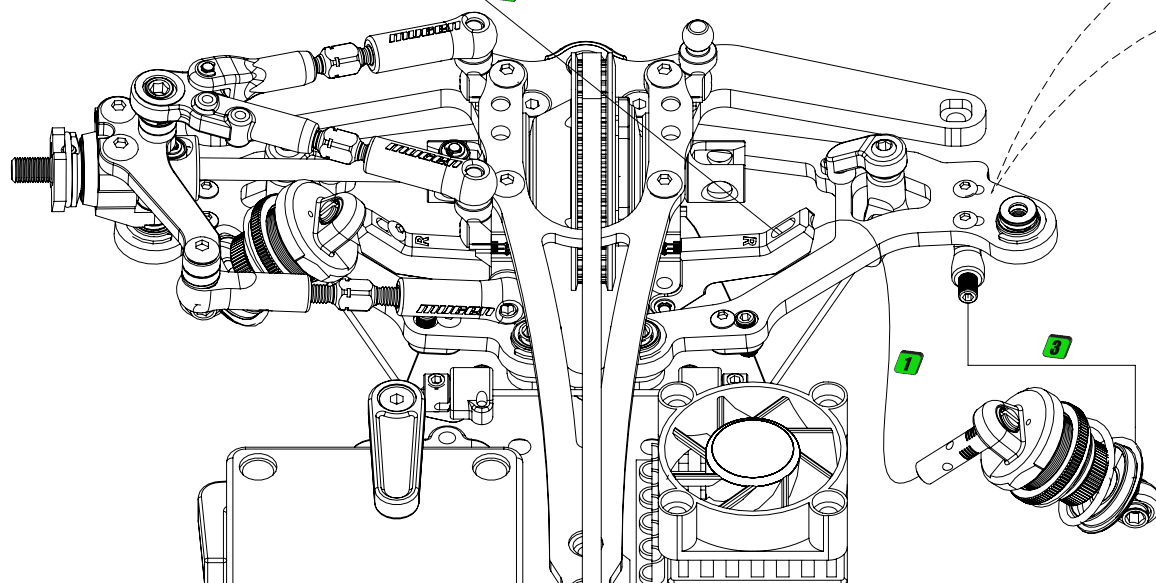
MTC3
1/10 ELECTRIC TOURING CAR

SiG2x4 2pcs.

SiG2x4

Several parts hidden
for a better view

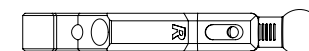
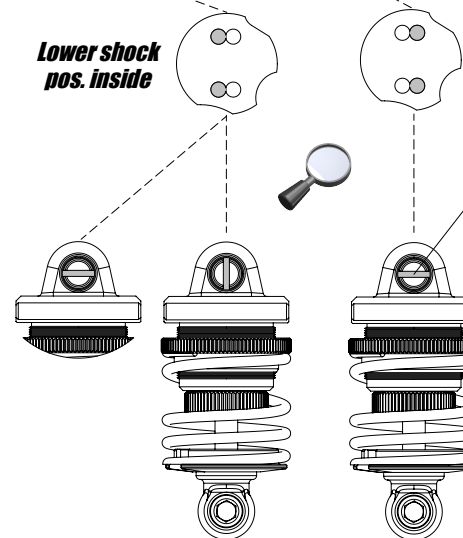
Bag
G1



Lower shock
pos. inside

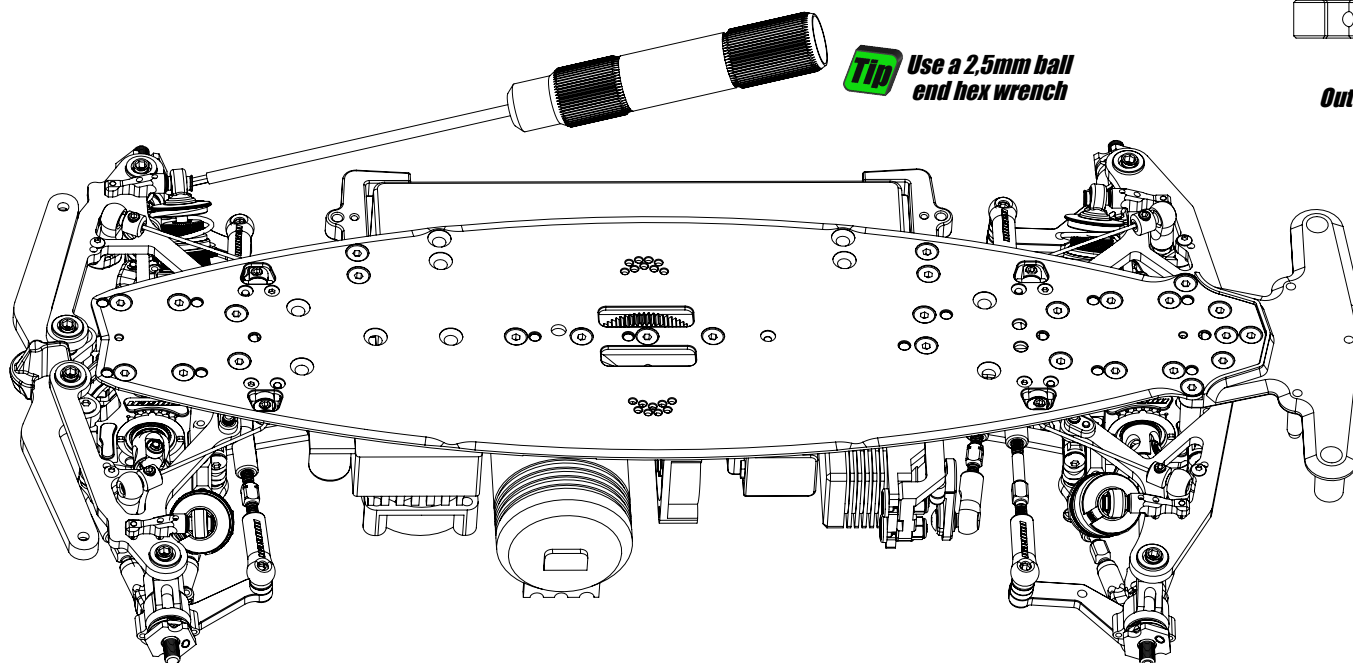
Lower shock
pos. outside

Horizontal only



Tip Use a 2.5mm ball
end hex wrench

Inside position = 0
Outside position = 3 (mm)
Default = 2,5 (mm)



SK3x6 2pcs.

SiG2x6 2pcs.

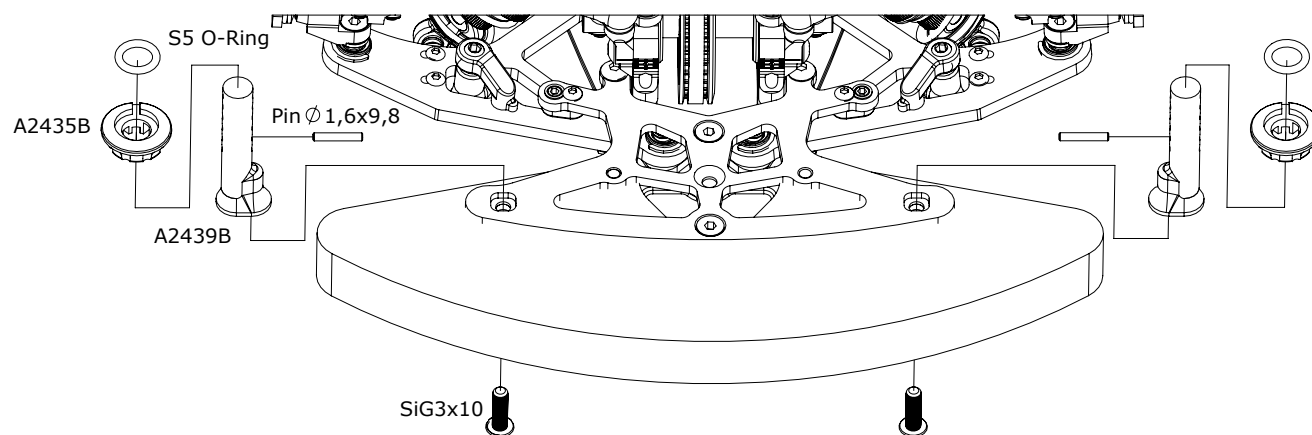
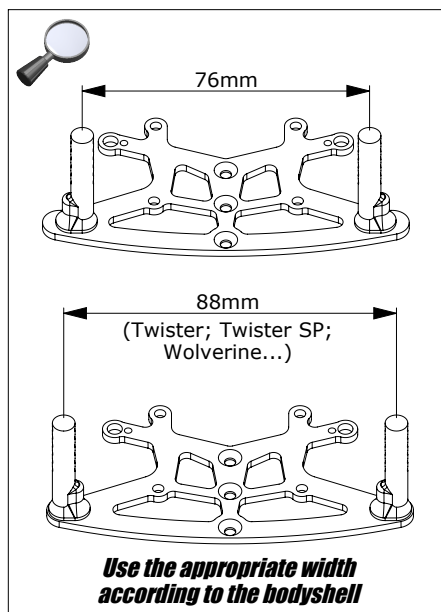
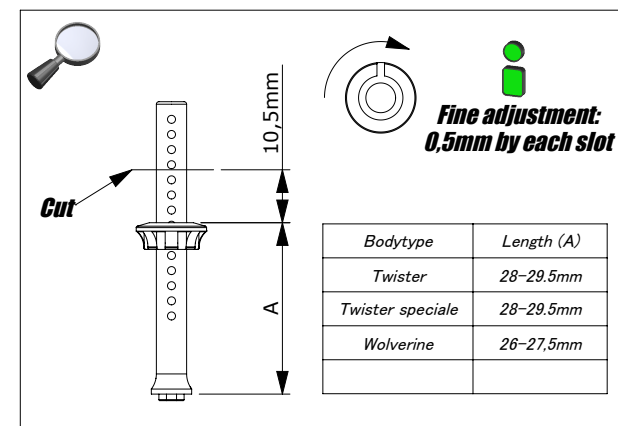
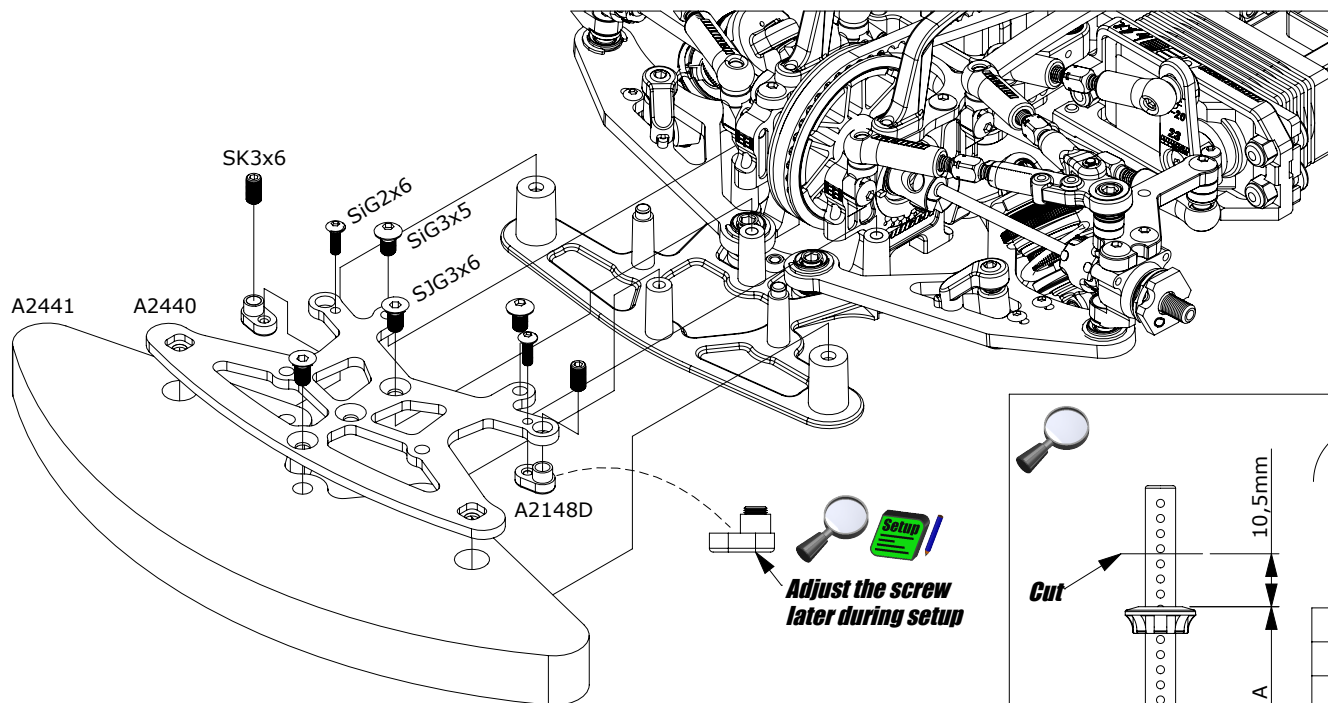
SiG3x5 2pcs. **Opt** included in A2820

SiG3x10 2pcs. **Opt** included in A2820

SiG3x6 2pcs. **Opt** included in A2820

S5 (O-Ring) 2pcs.

Ø 1,6x9,8 (pin) 2pcs.



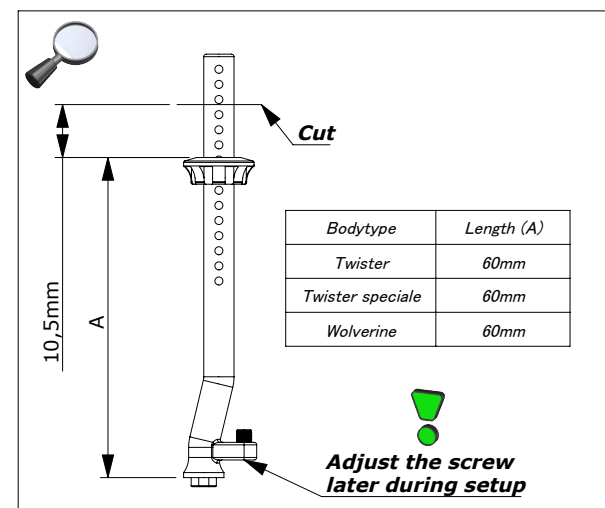
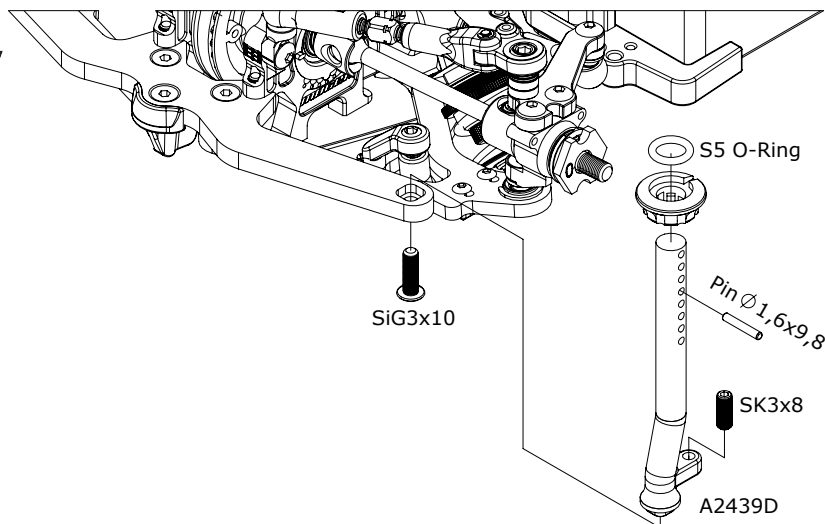
SK3x8 2pcs.

SiG3x10 2pcs. **Opt** Included in A2820

S5 (O-Ring) 2pcs.

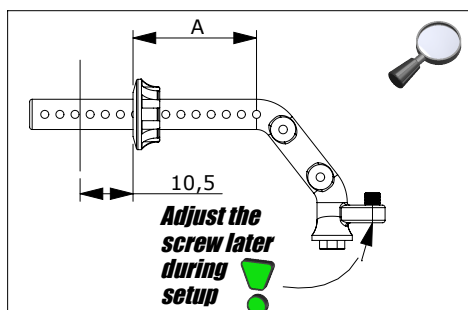
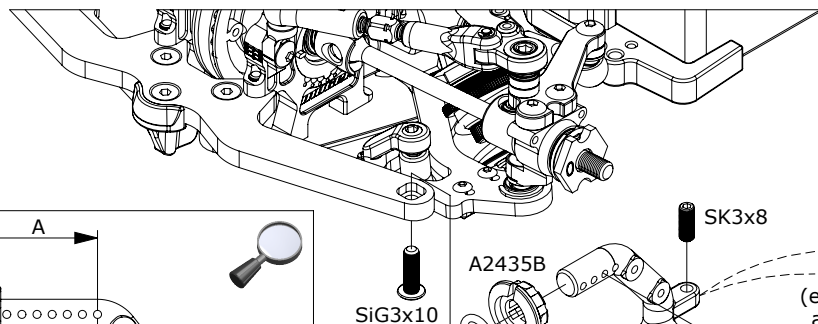
Pin $\varnothing 1,6 \times 9,8$ (pin) 2pcs.

Vertical



Bag
H1

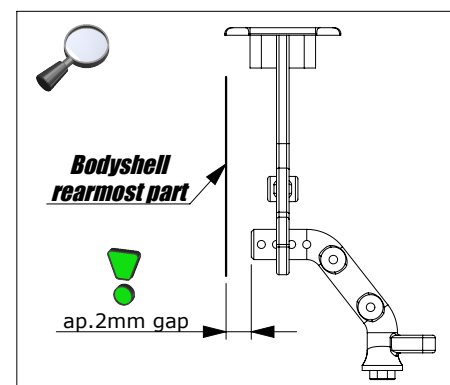
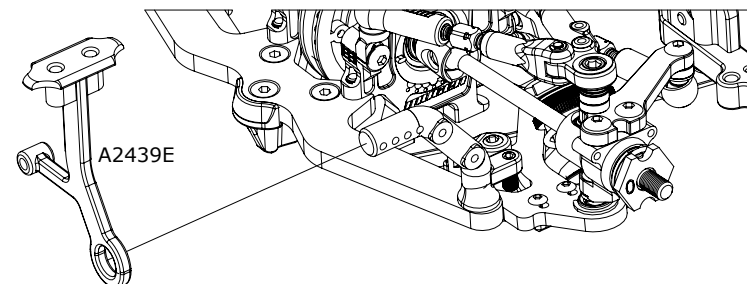
Horizontal



Bodytype	Length (A)	Length (A) with A2439E	Cutting line
Twister	14mm	3,5mm	+10,5mm
Twister speciale	14mm	3,5mm	+10,5mm
Wolverine	14mm	3,5mm	+10,5mm

In combination with A2439E please use the following distances:
Small: Twister; Twister speciale...
Large: Wolverine....

Horizontal + A2439E



Find more info on next page!

SiG3x6 2pcs. **Opt** Included in A2820

SJG3x6 4pcs. **Opt** Included in A2820

SiG3x6

A2803/04/11
according to bodyshell
(not included)

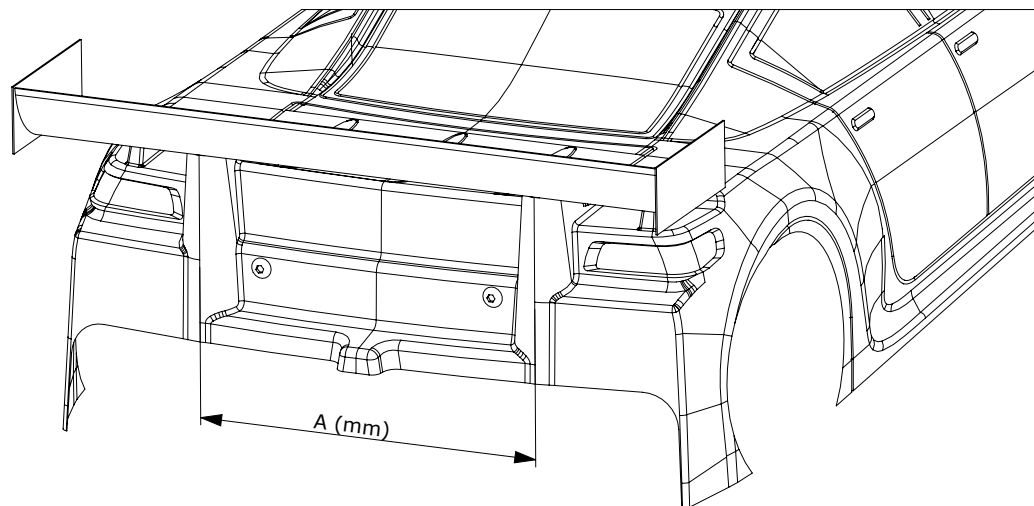
A2439E

H0181A-G
H0181B-G
H0181C-G
H0181D-G
according to preferred
bodyshell height
(not included)

**1mm with Twister
or Twister speciale
is a good starting
point.**

A2439F

SJG3x6



A=97mm
116mm

**116mm
Twister; Twister SP;
...**

A2439C-L

A2439C-R

A=100mm
119mm

**119mm
Wolverine...**

A2439C-R

A2439C-L

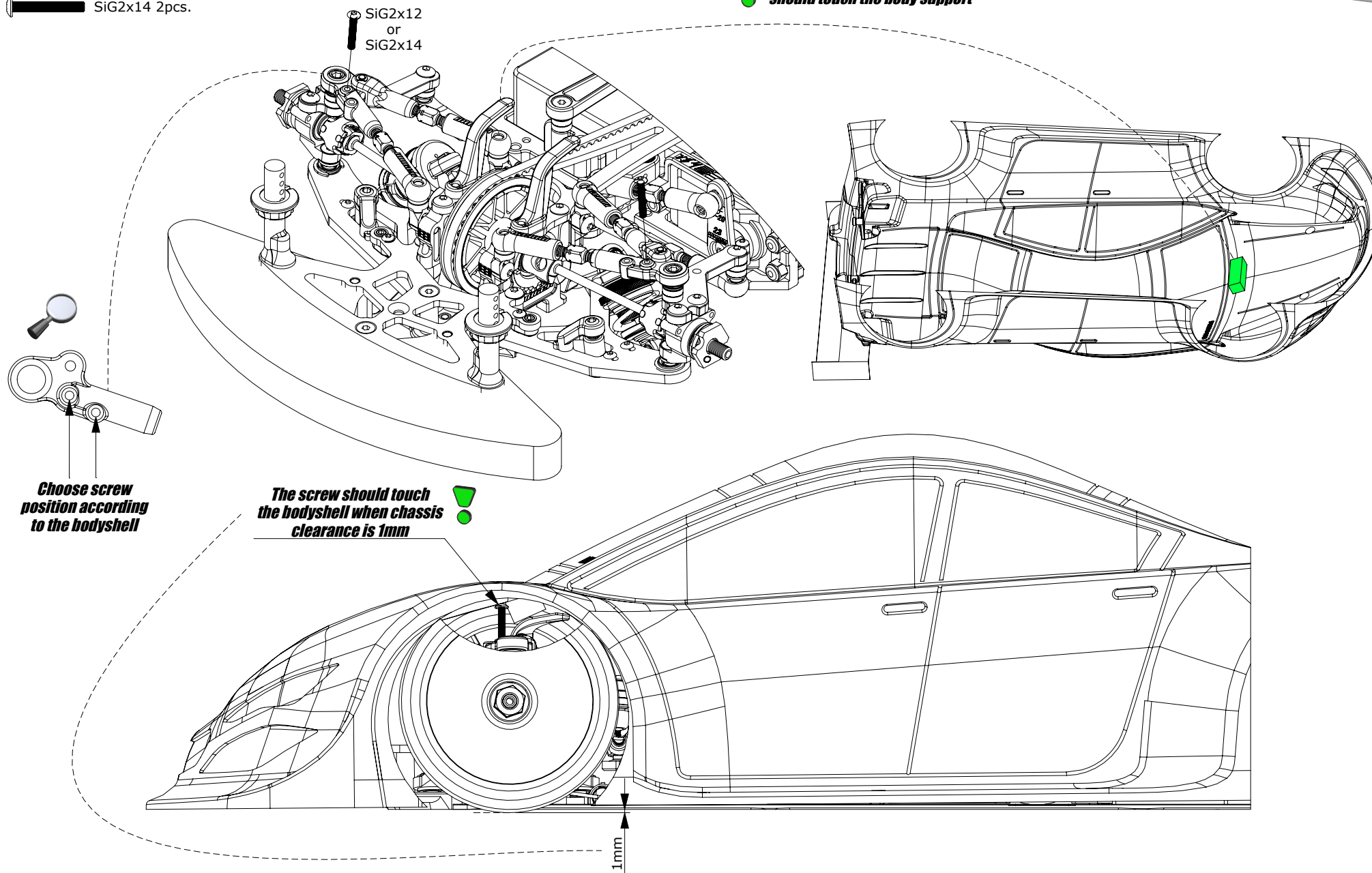
Bag
H1

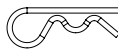
SiG2x12 2pcs.

SiG2x14 2pcs.

 **The foam taped to the bodyshell
should touch the body support**

Bag
H1

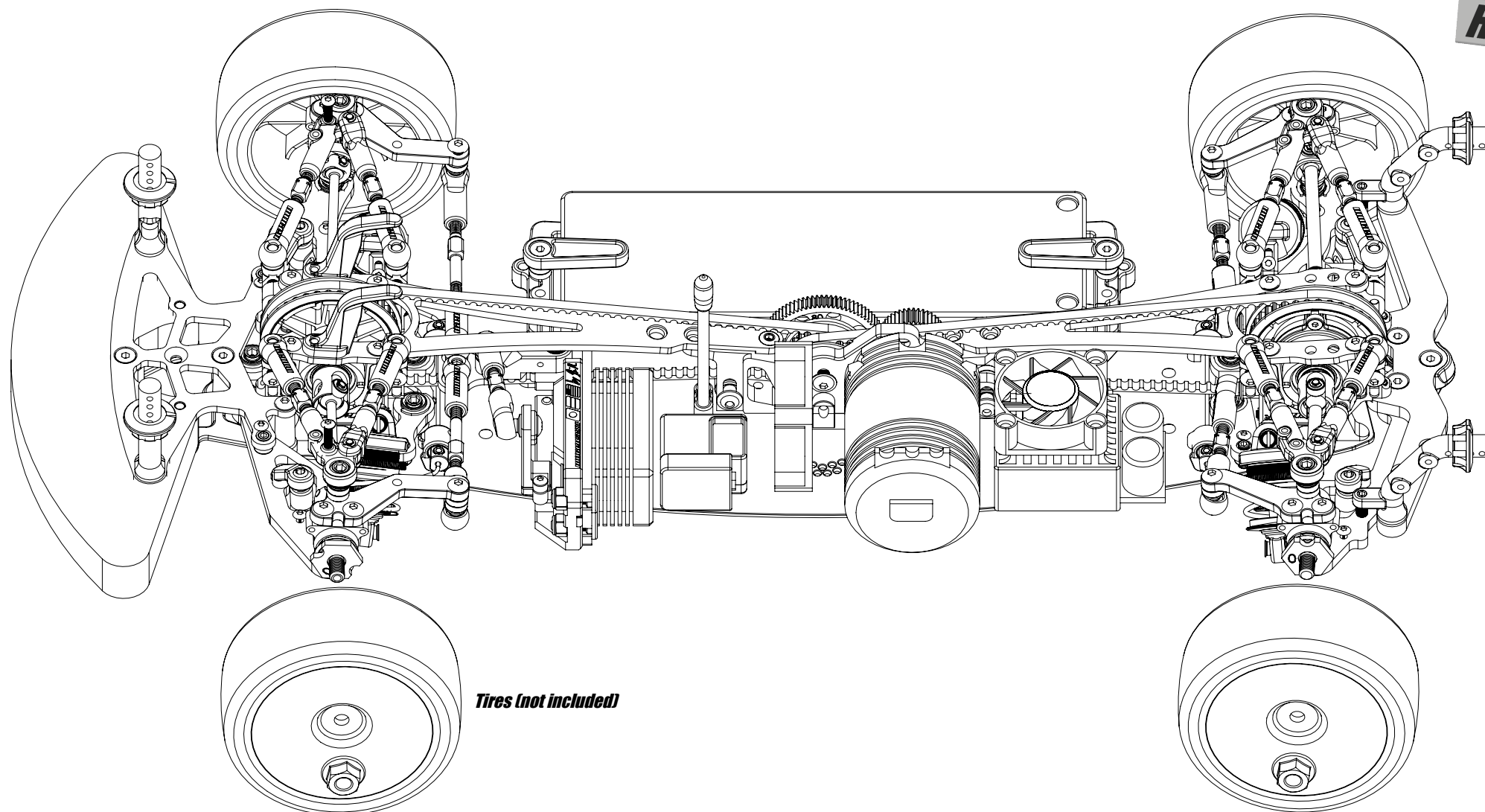


 B0422 4pcs.

 B0716 4pcs.

Bag
A₂

Bag
H₁



Tires (not included)

B0716