

agama

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A215



Instruction Manual

**1/8 SCALE 4WD
NITRO OFFROAD TRUGGY**

Agama vehicles fit a wide range of skilled drivers. Pros and Beginners alike can experience Agama products with great results!
Agama products are designed with quality and precision in mind.

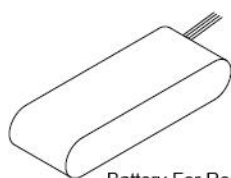
Made in Taiwan

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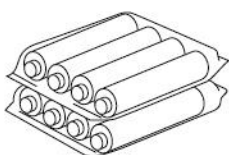
CompetitionX

Notice: The following items are needed for completion of the PRO KIT, They are not included with this kit (unless noted), and should be obtained from your local hobby shop.
Be sure to read the instructions completely prior to assembly.

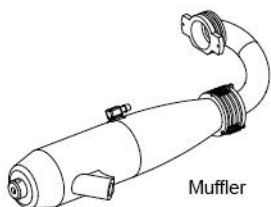
ADDITIONAL ITEMS NEEDED FOR COMPLETION



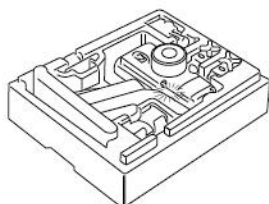
Battery For Receiver



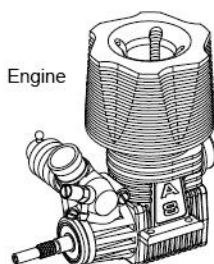
Battery For Transmitter



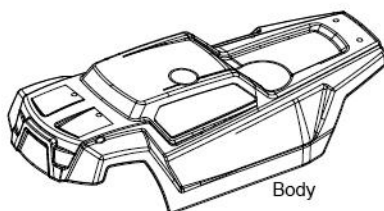
Muffler



2 Channel Radio



Engine

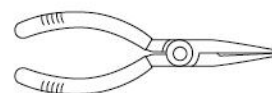


Body

TOOLS NEEDED TO ASSEMBLE



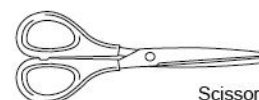
Hex Wrenches



Needle Nose Pliers



Phillips Type Screw Driver



Scissors



Box Wrench(5.5mm / 7mm / 10mm)



Hobby Knife



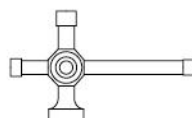
Instant Glue



Pliers



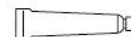
Screw (Sement)



Utility Wrench

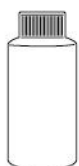


Glass or Vinyl Tape



Rubber Glue

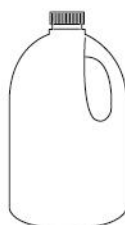
ADDITIONAL ITEMS NEEDED FOR STARTING



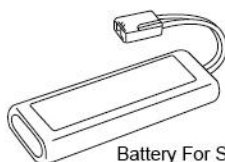
Air Filter Oil



Fuel Pump



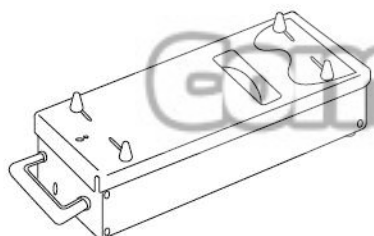
Fuel



Battery For Starter Box

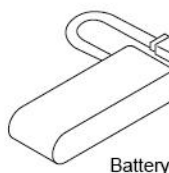


Glow Plug Ignitor



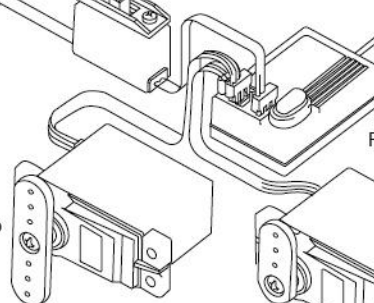
Starter Box

ITEMS NEEDED TO CONTROL CAR



Battery

Switch



Receiver

Engine Control Servo

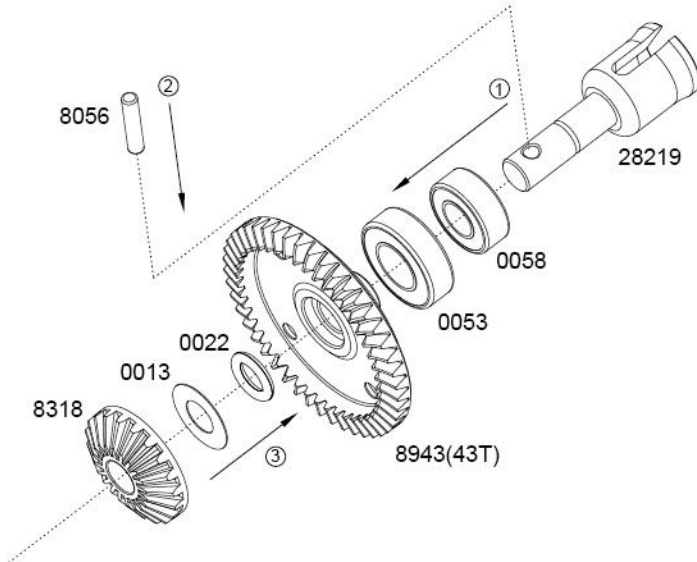
Steering Servo



Transmitter

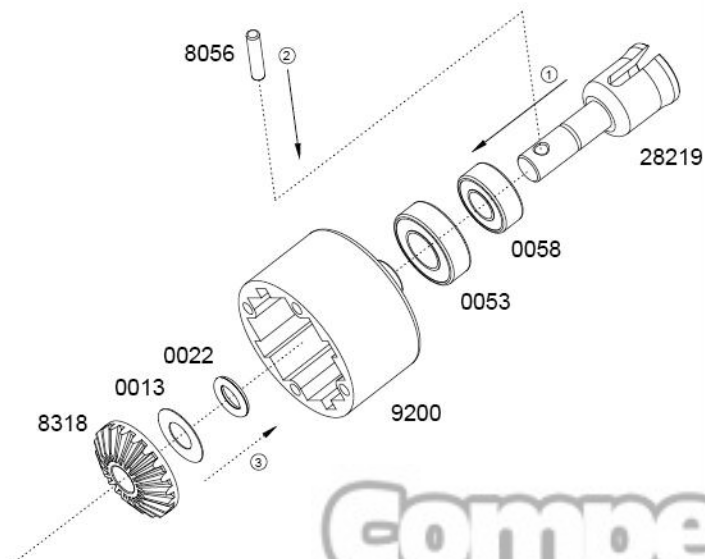
STEP A - 1

Front Diff Ring Gear Assembly



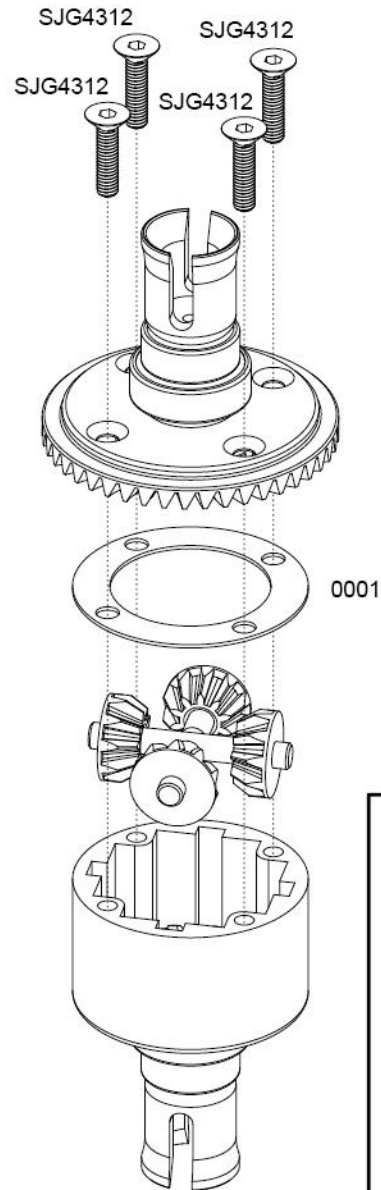
STEP A - 2

Front Diff Case Assembly

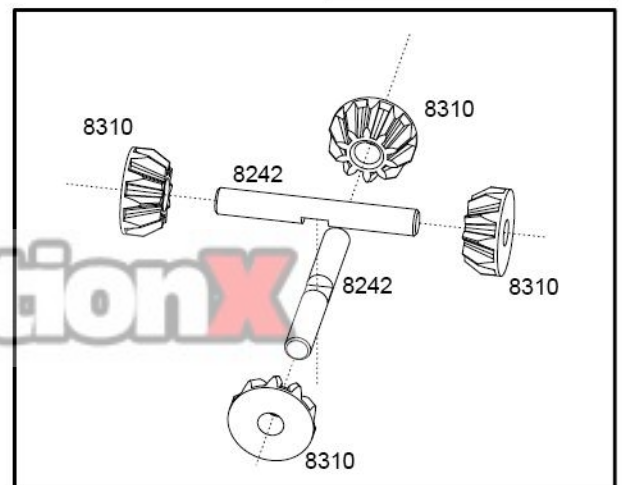
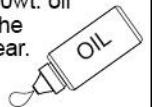


STEP A - 3

Complete Front Diff Assembly

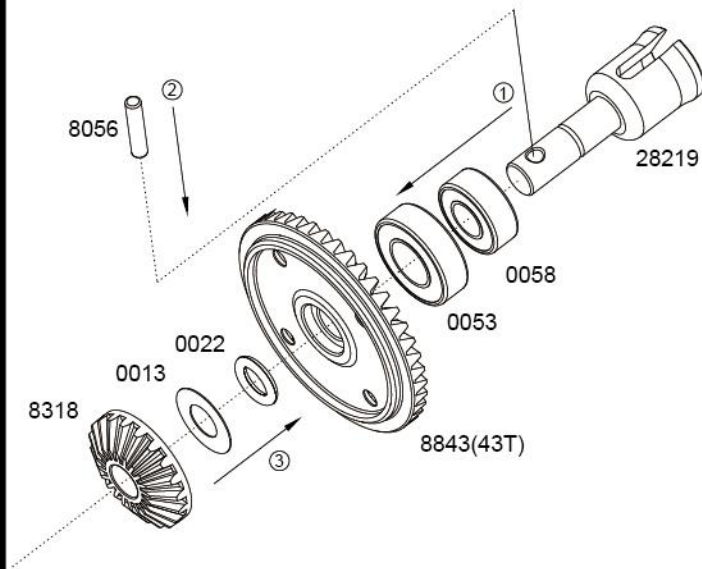


Fill with 7000wt. oil just above the planetary gear.



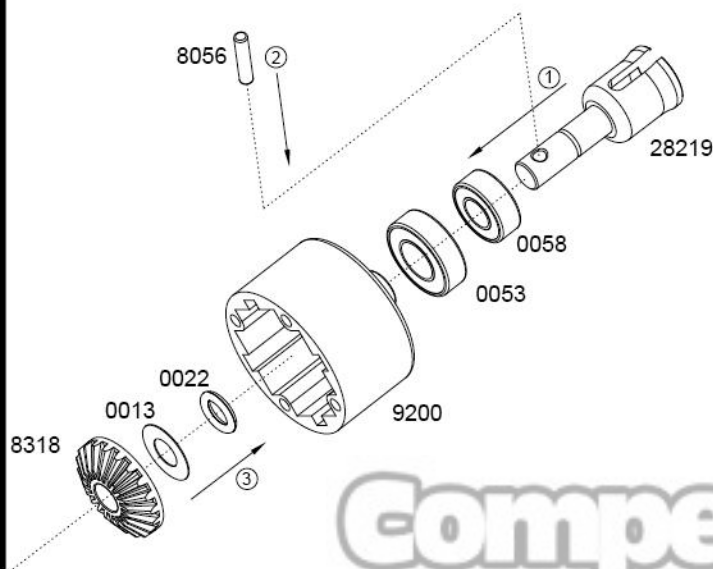
STEP A - 4

Rear Diff Ring Gear Assembly



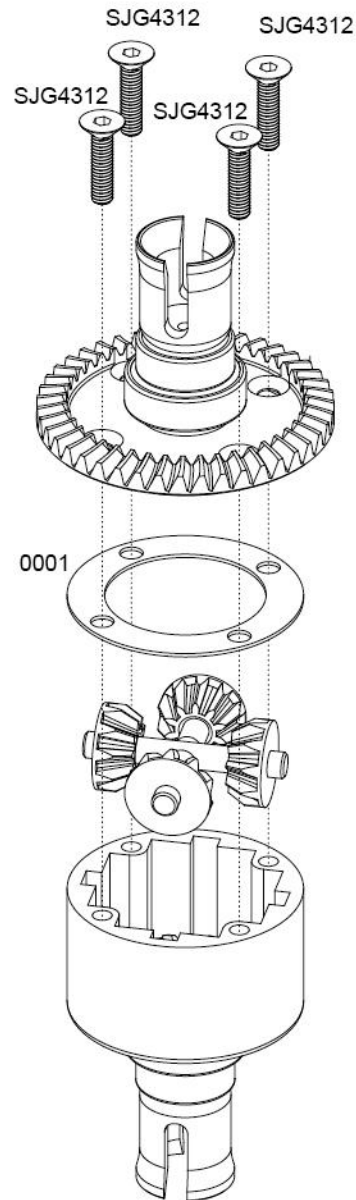
STEP A - 5

Rear Diff Case Assembly

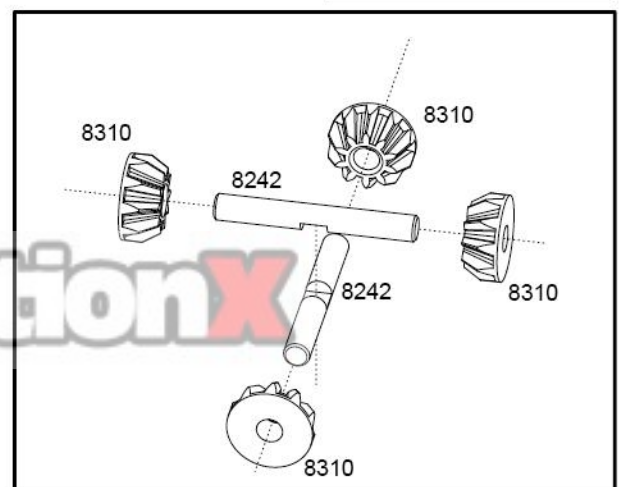
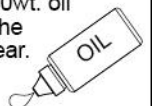


STEP A - 6

Complete Rear Diff Assembly

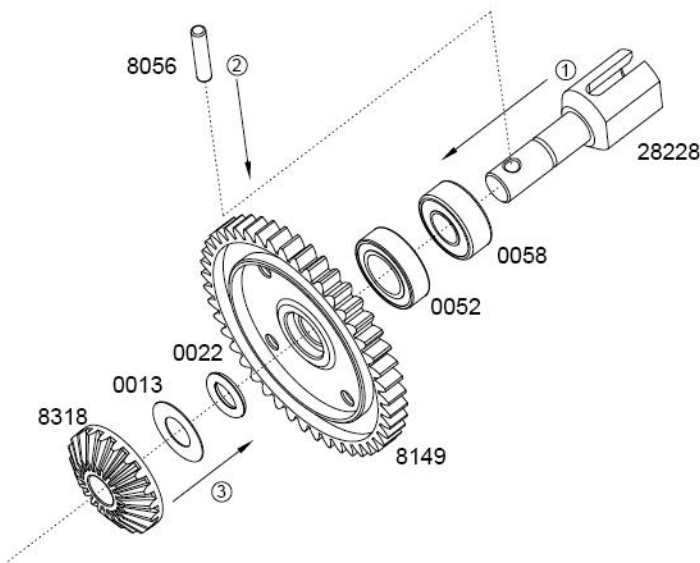


Fill with 3000wt. oil just above the planetary gear.



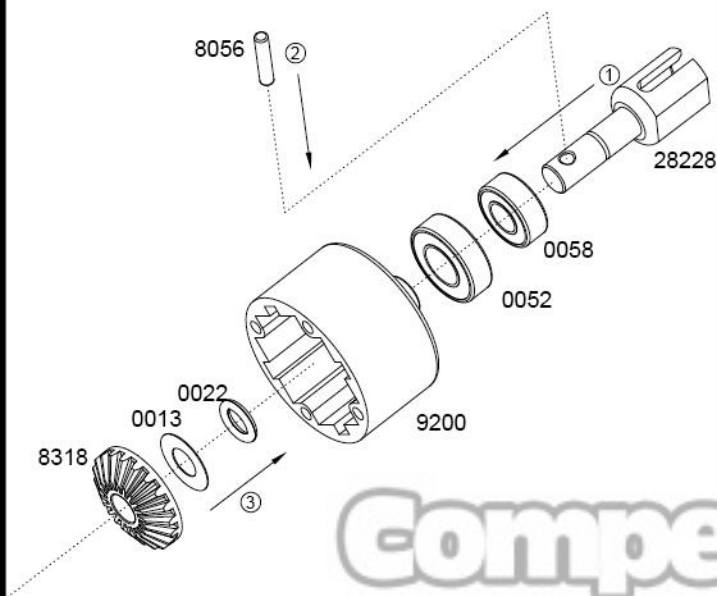
STEP A - 7

Center Diff Ring Gear Assembly



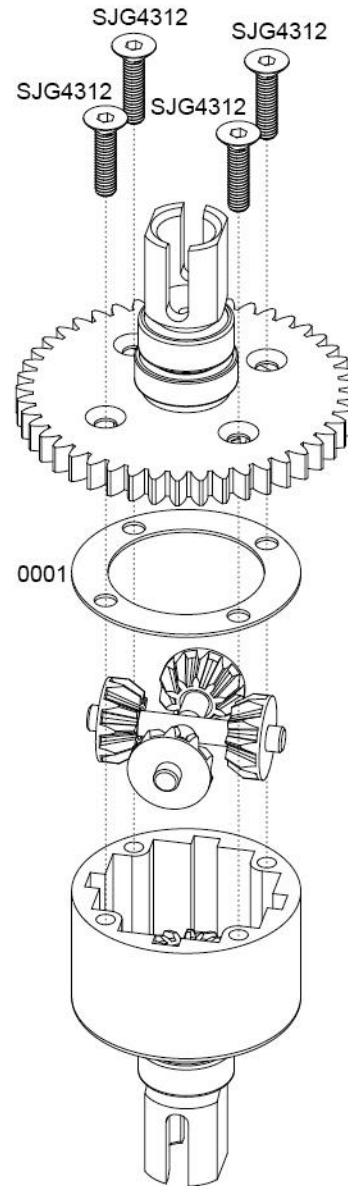
STEP A - 8

Center Diff Case Assembly

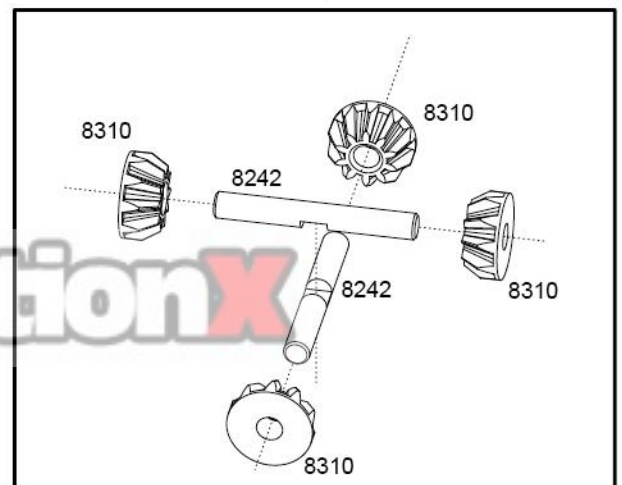
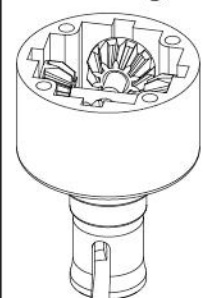
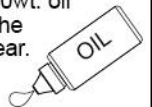


STEP A - 9

Complete Center Diff Assembly

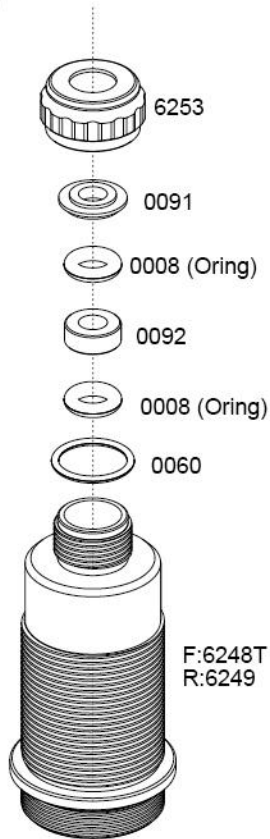


Fill with 7000wt. oil just above the planetary gear.



STEP B - 1

Shock Assembly (Front & Rear)



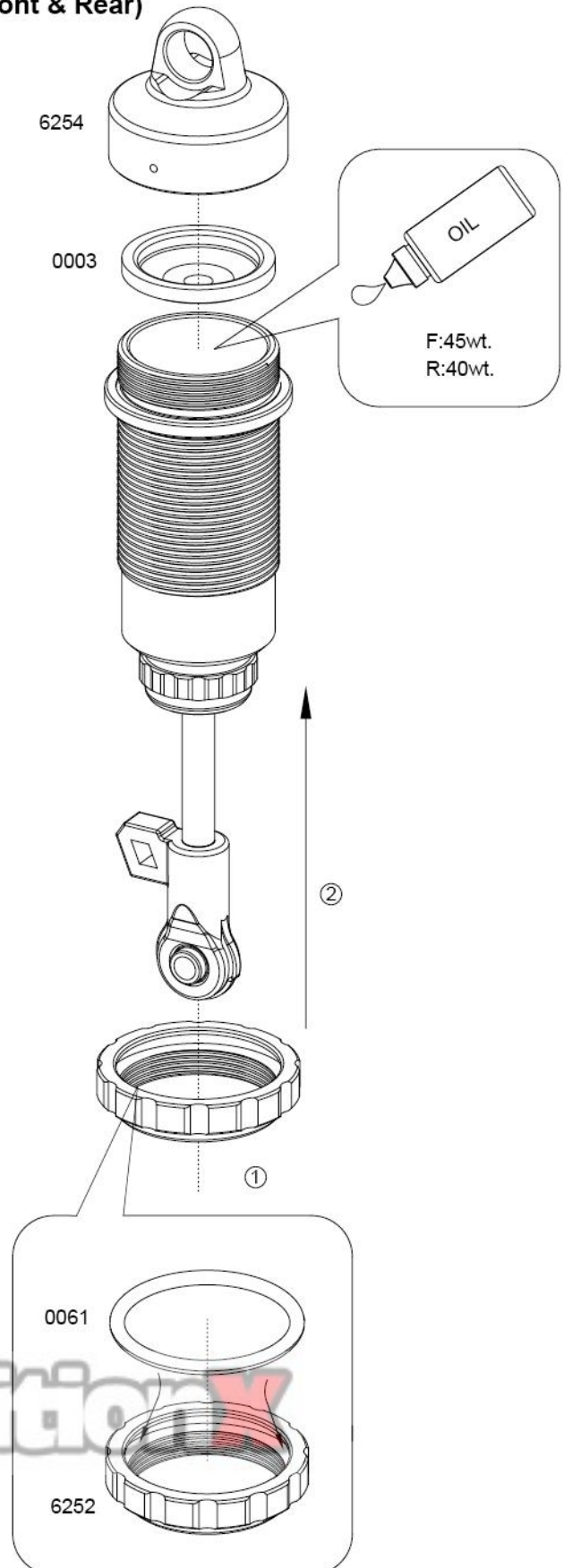
STEP B - 2

Shock Assembly (Front & Rear)



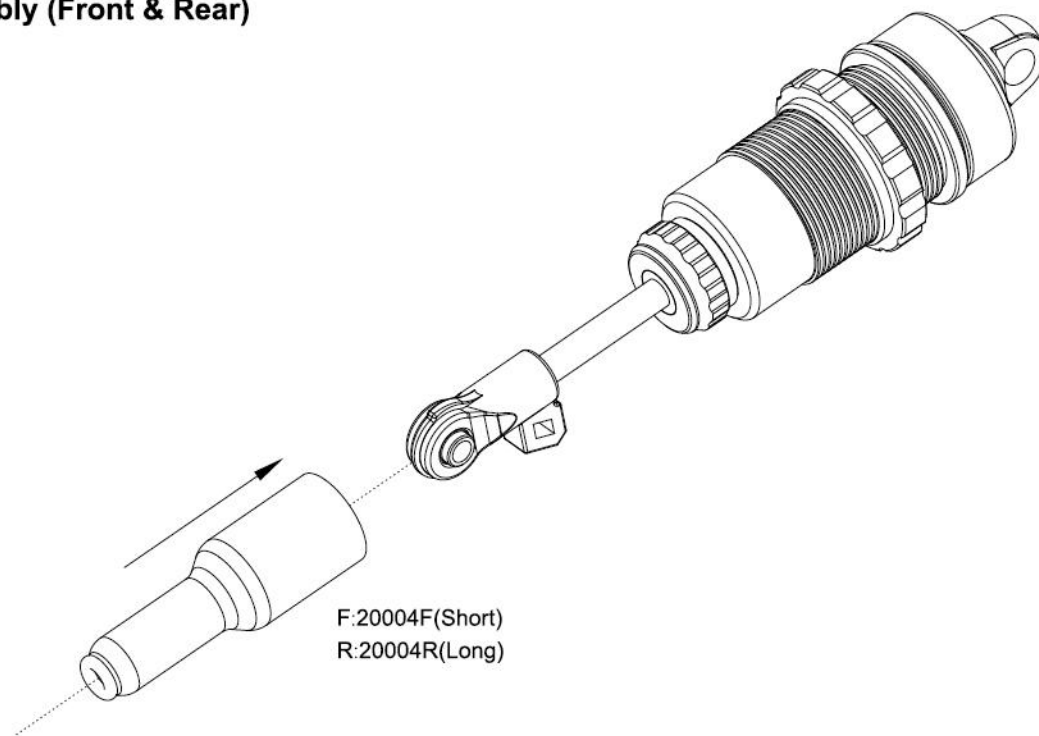
STEP B - 3

Shock Assembly (Front & Rear)



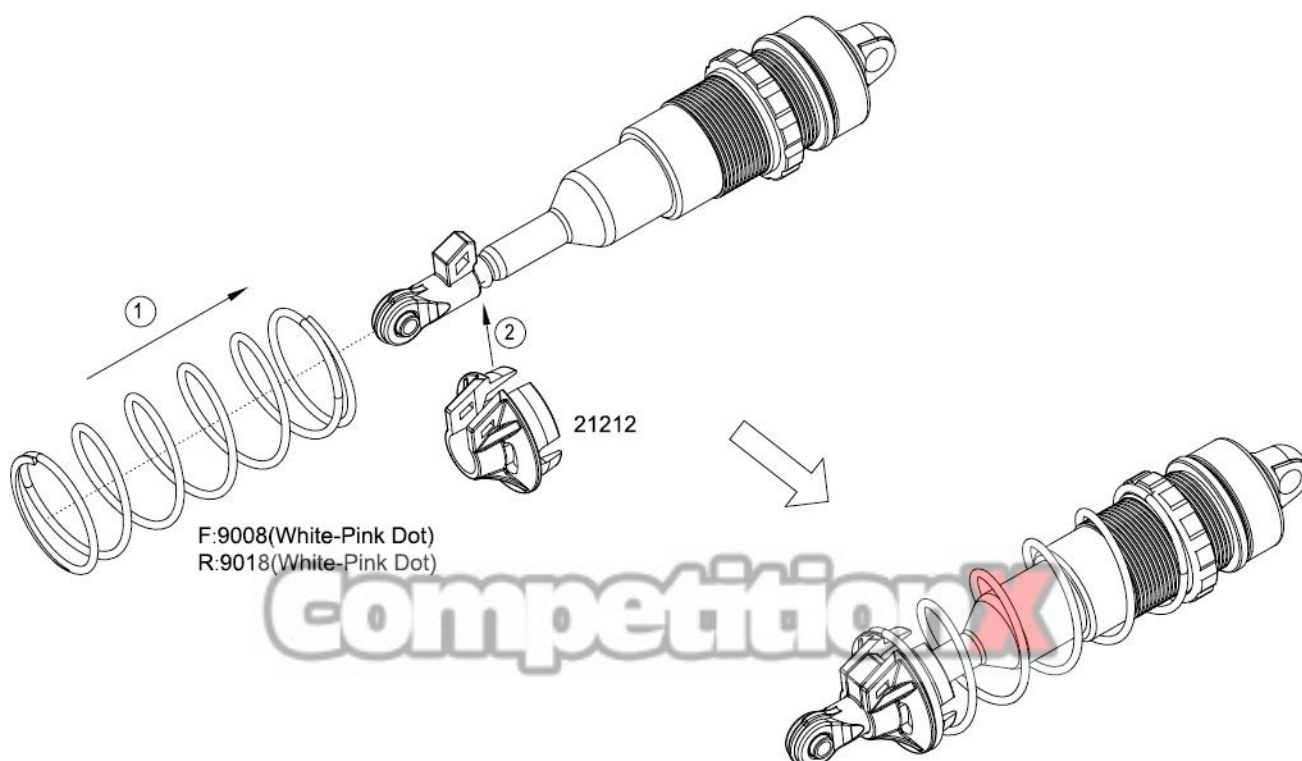
STEP B - 4

Shock Assembly (Front & Rear)



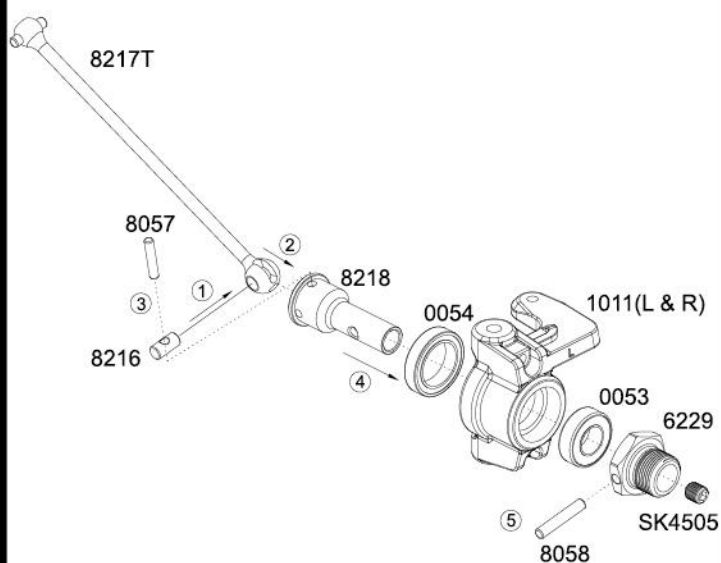
STEP B - 5

Shock Assembly (Front & Rear)



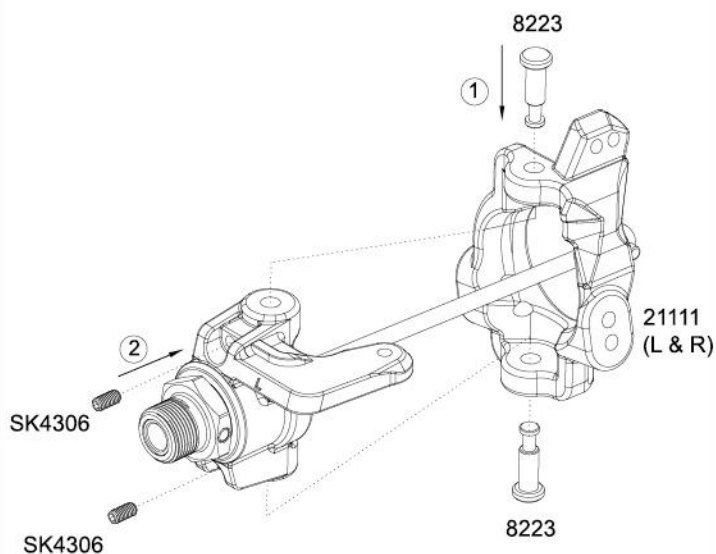
STEP C - 1

Front Spindle & CVD Assembly (Left/Right)



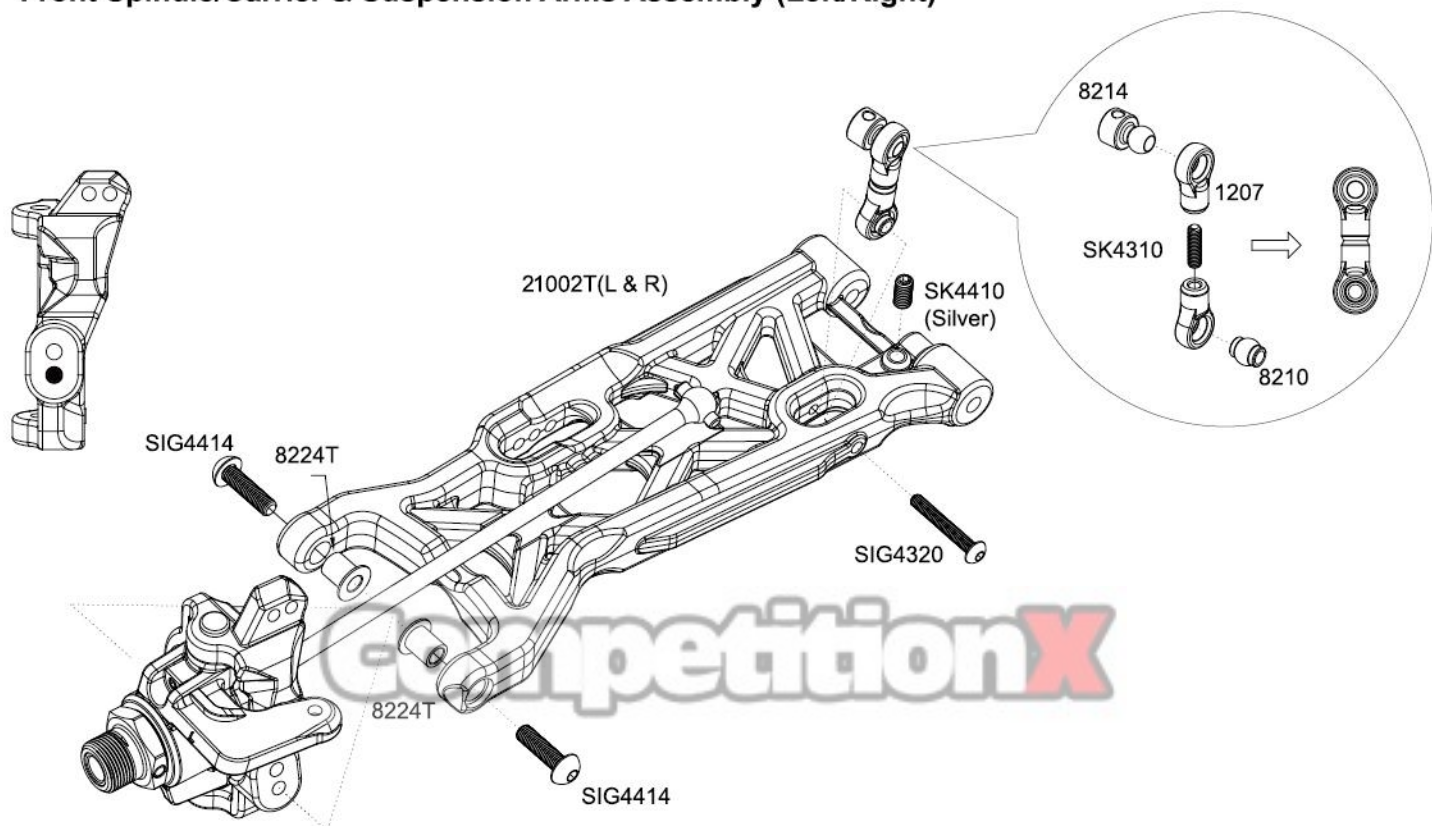
STEP C - 2

Front Spindle & Carrier Assembly (Left/Right)



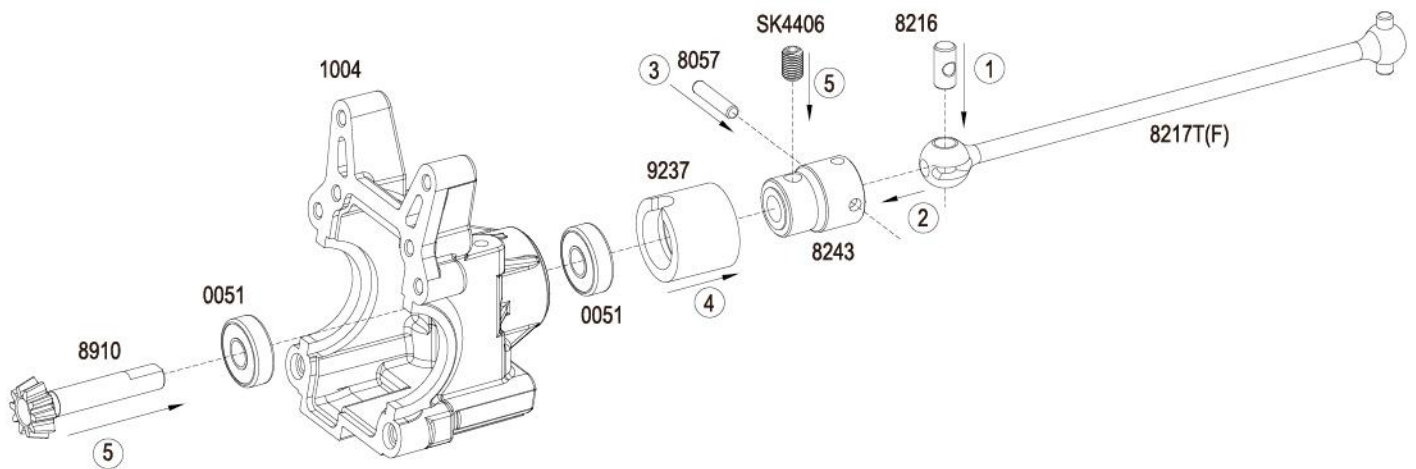
STEP C - 3

Front Spindle/Carrier & Suspension Arms Assembly (Left/Right)



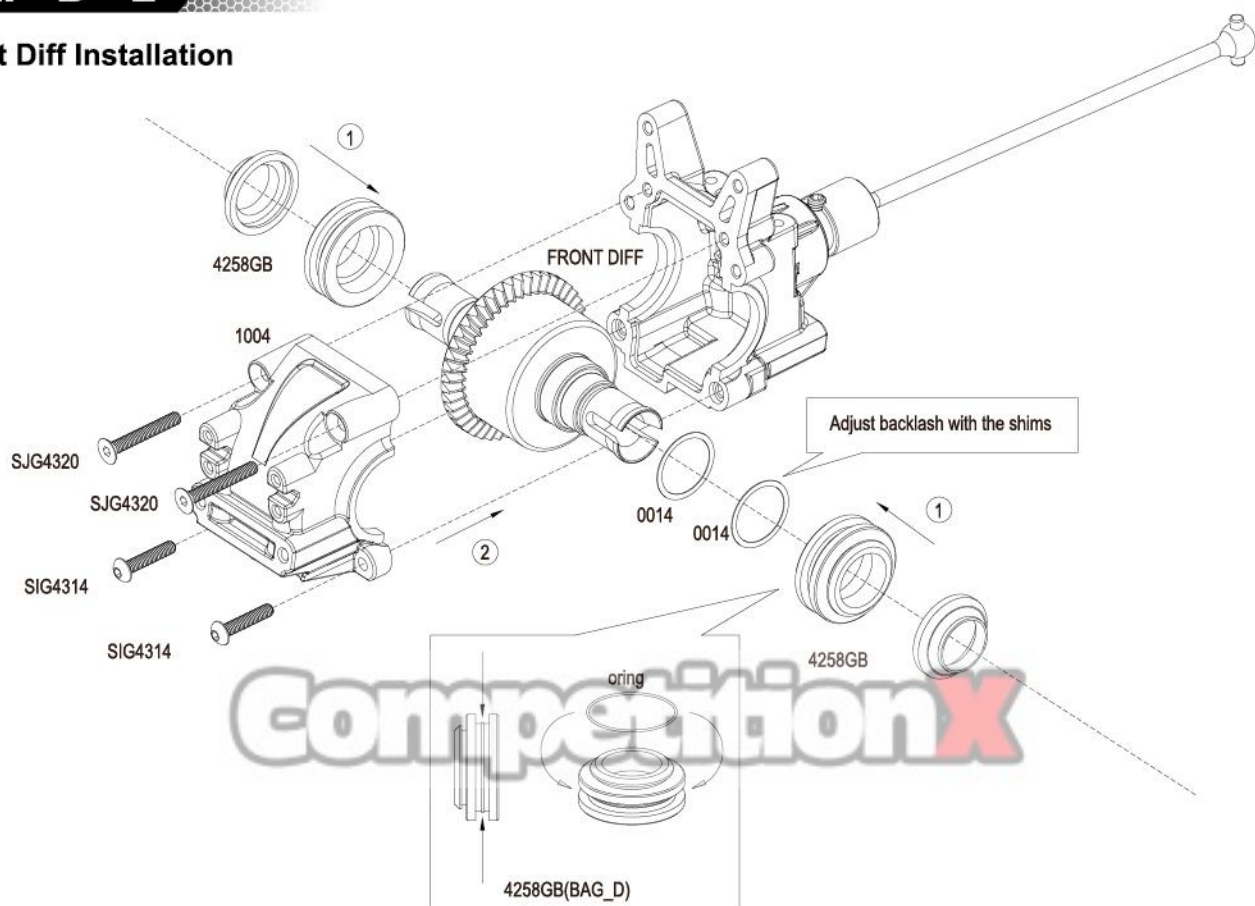
STEP D - 1

Front Diff Case & CVD Assembly



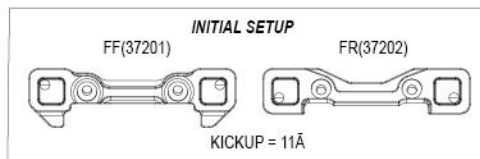
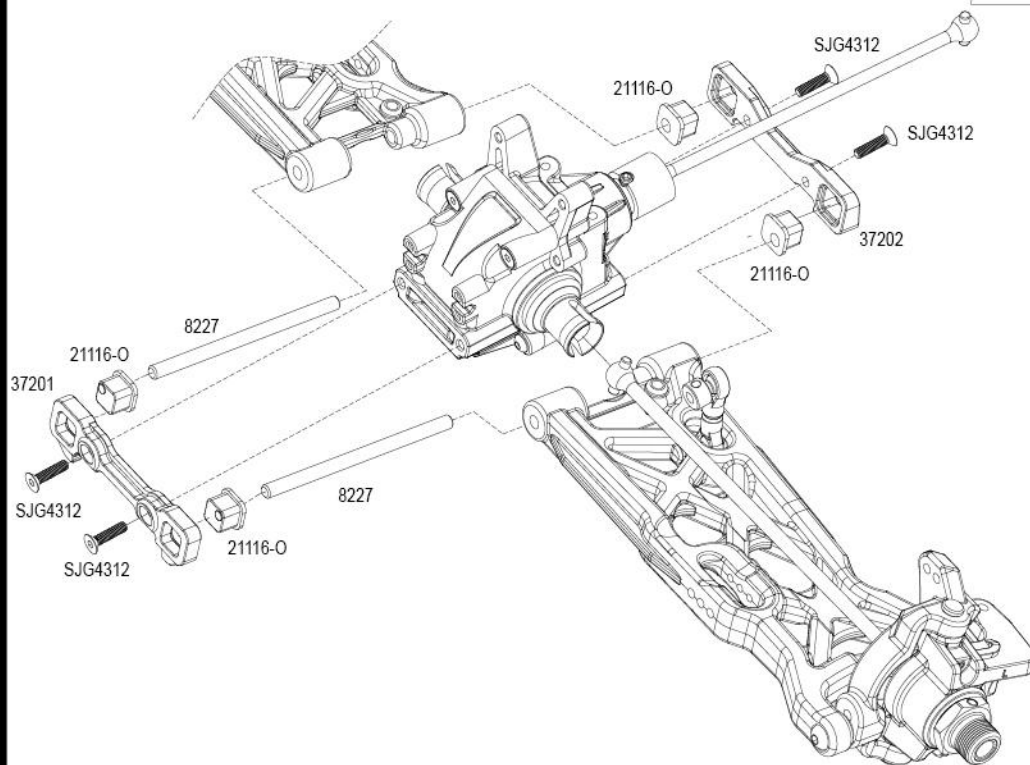
STEP D - 2

Front Diff Installation

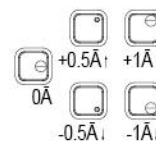


STEP D - 3

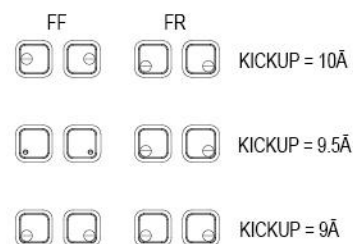
Front Suspension Arm Assembly



FRONT SUSPENSION KICKUP INSERTS CHART

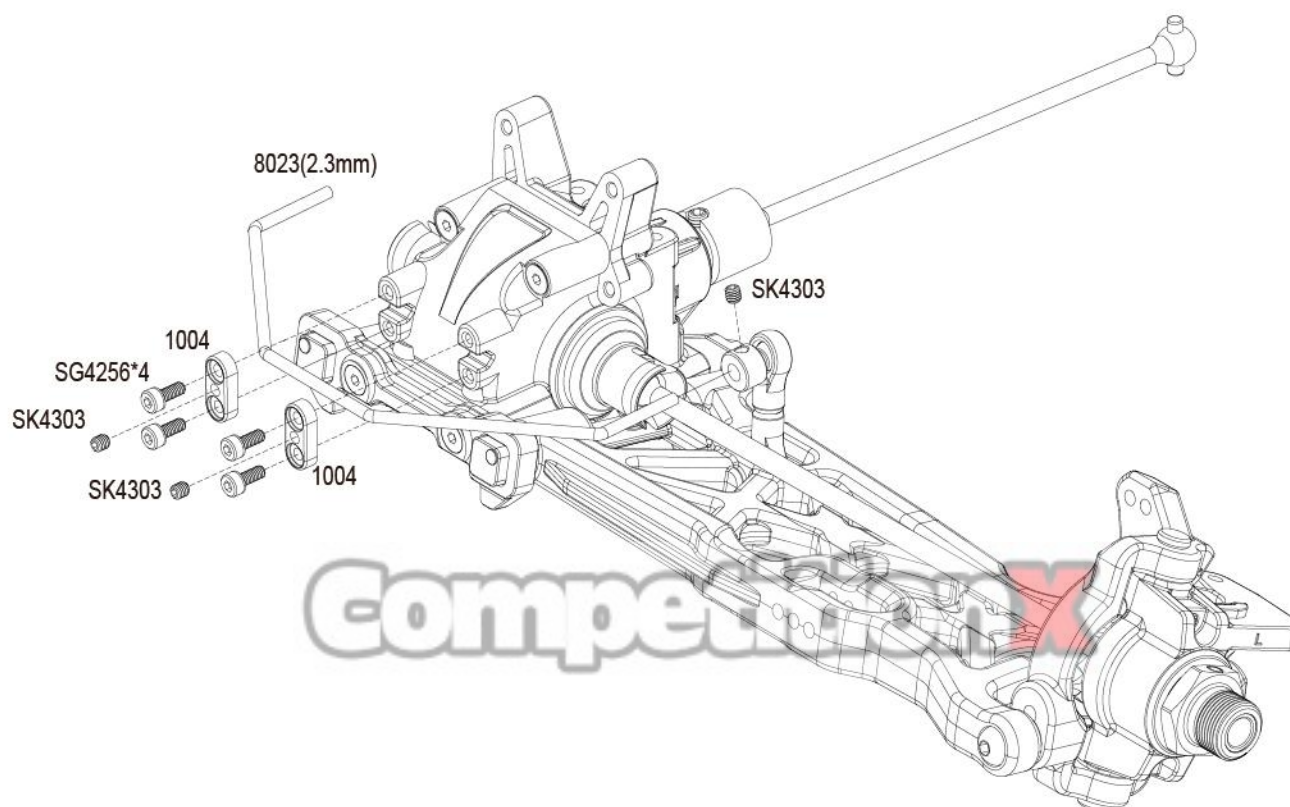


OTHER SETTING EXAMPLES



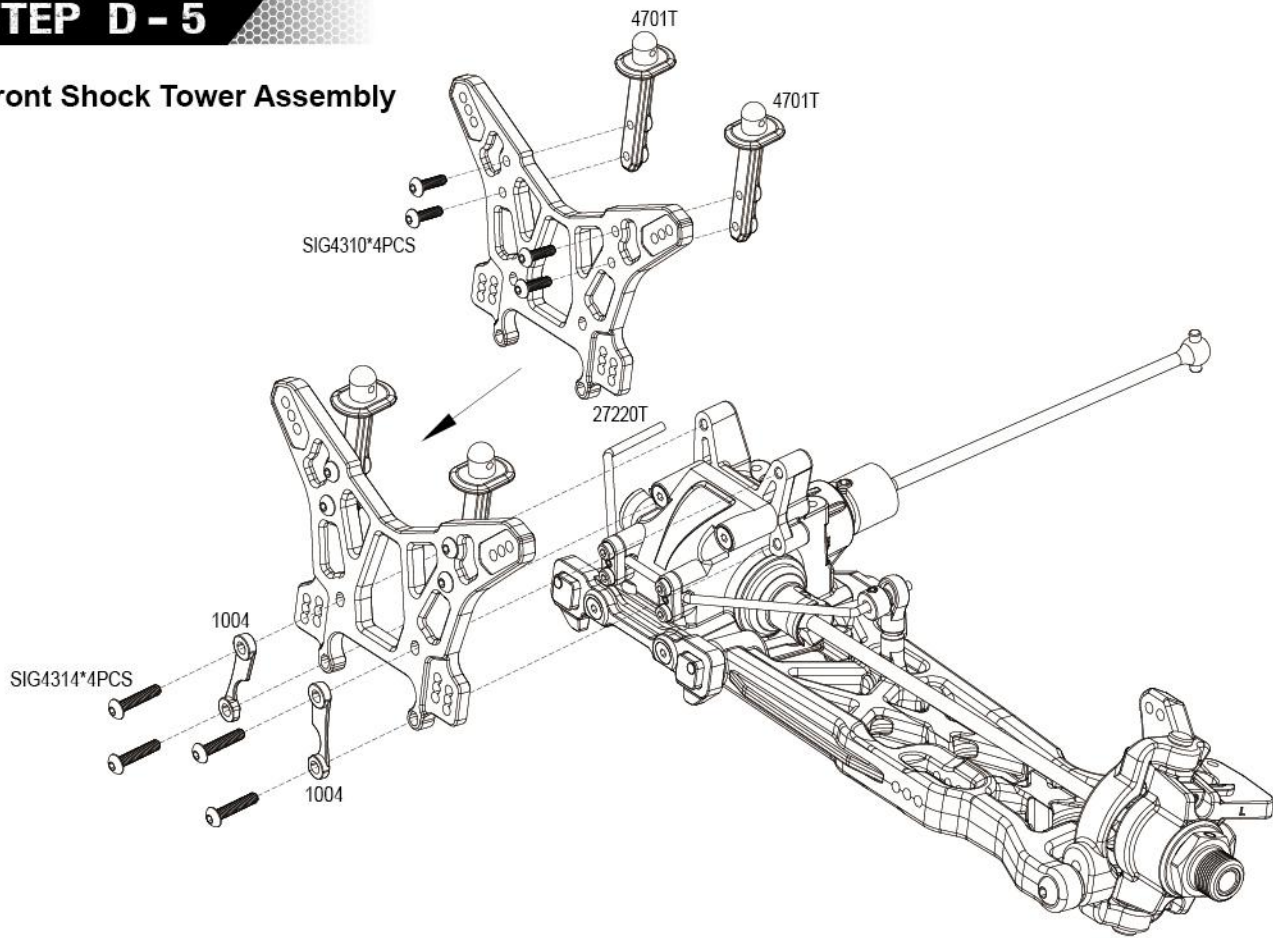
STEP D - 4

Front Swaybar Assembly



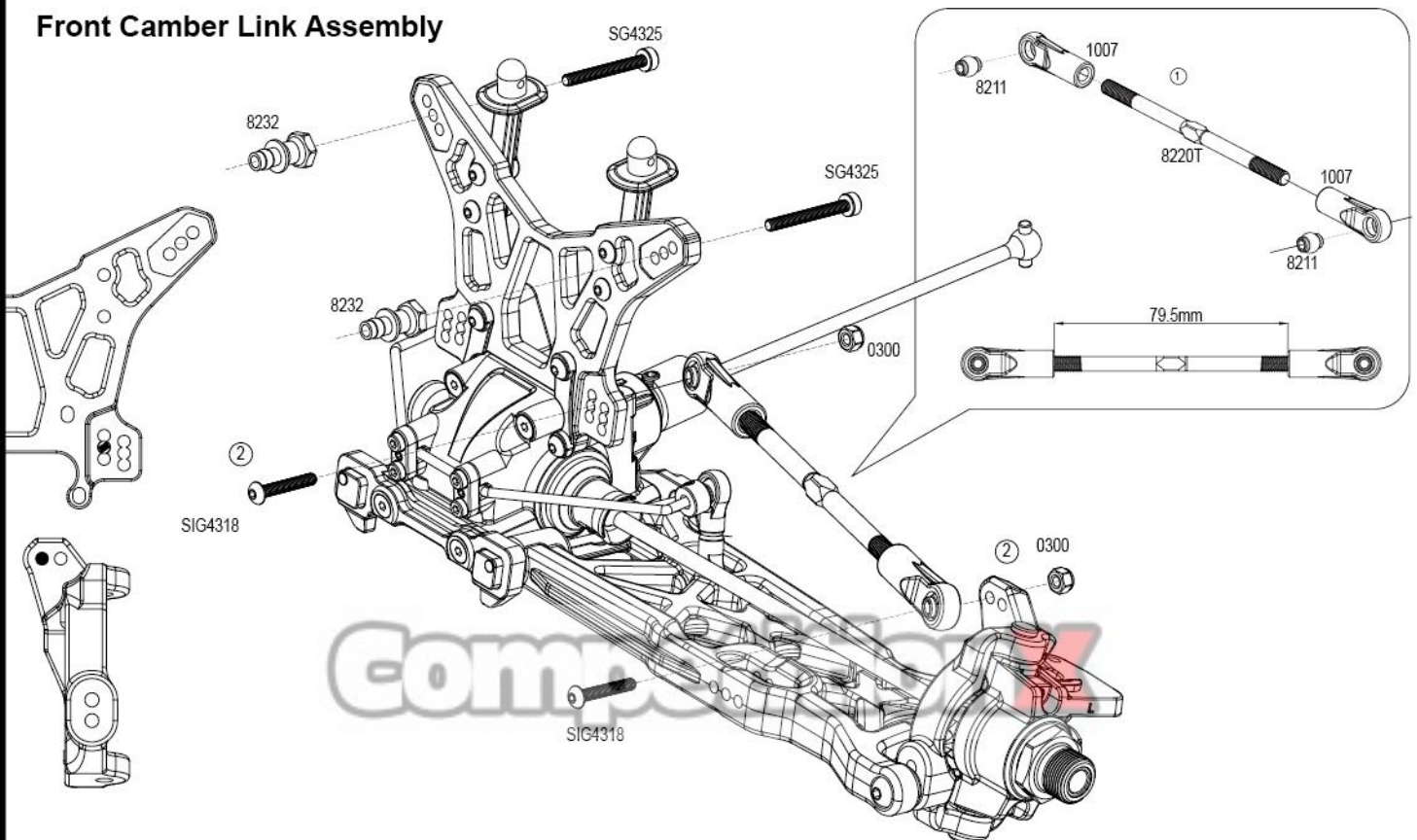
STEP D - 5

Front Shock Tower Assembly



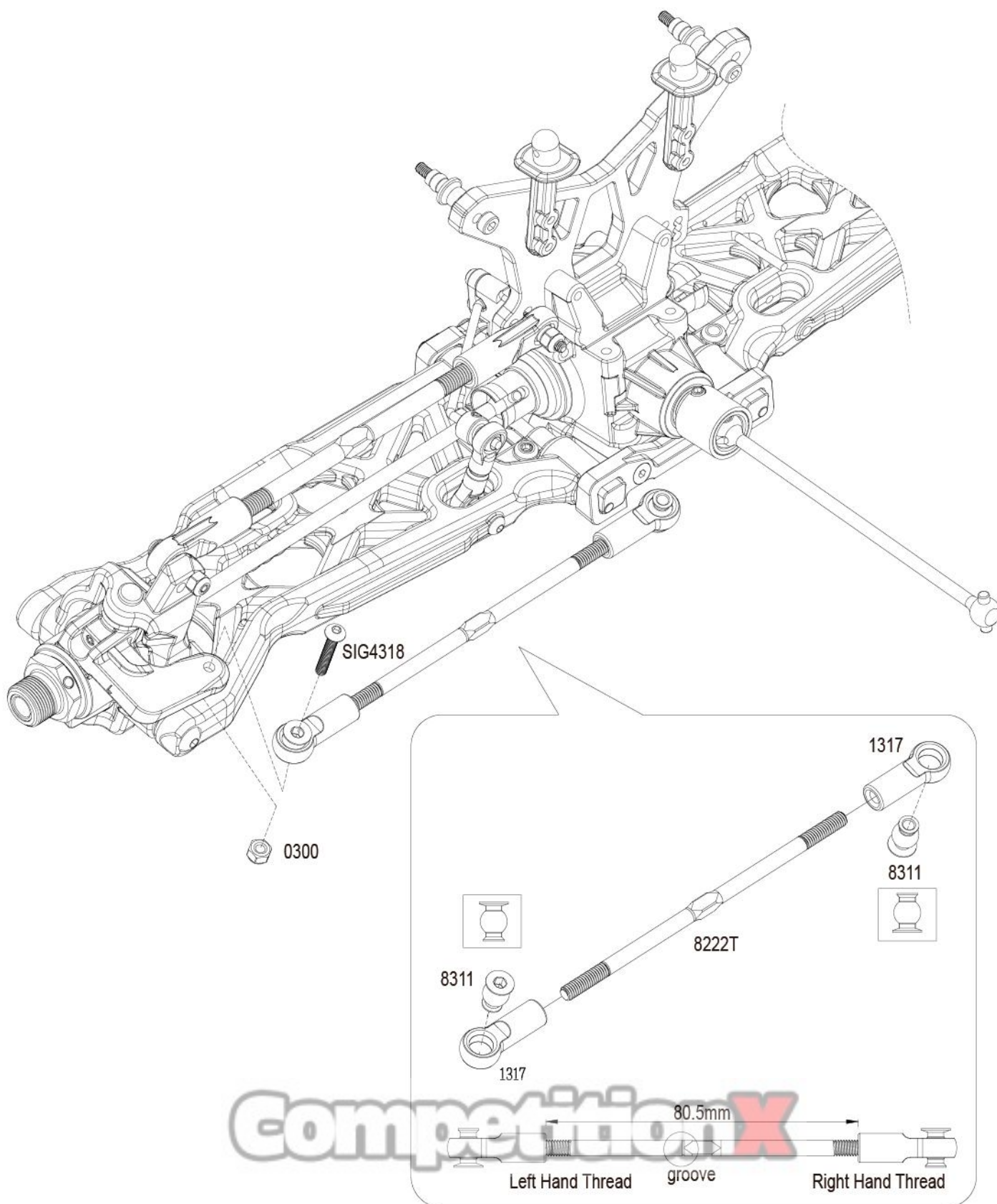
STEP D - 6

Front Camber Link Assembly



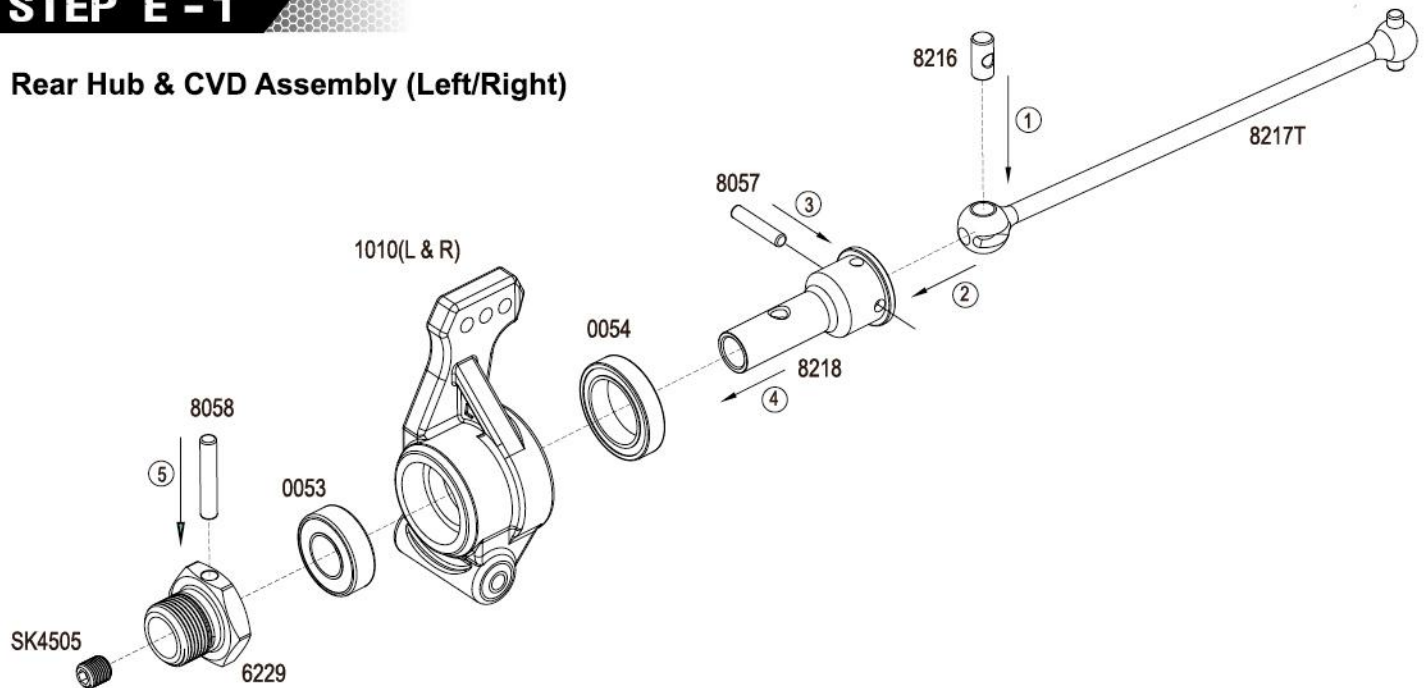
STEP D-7

Front Steering Link Assembly



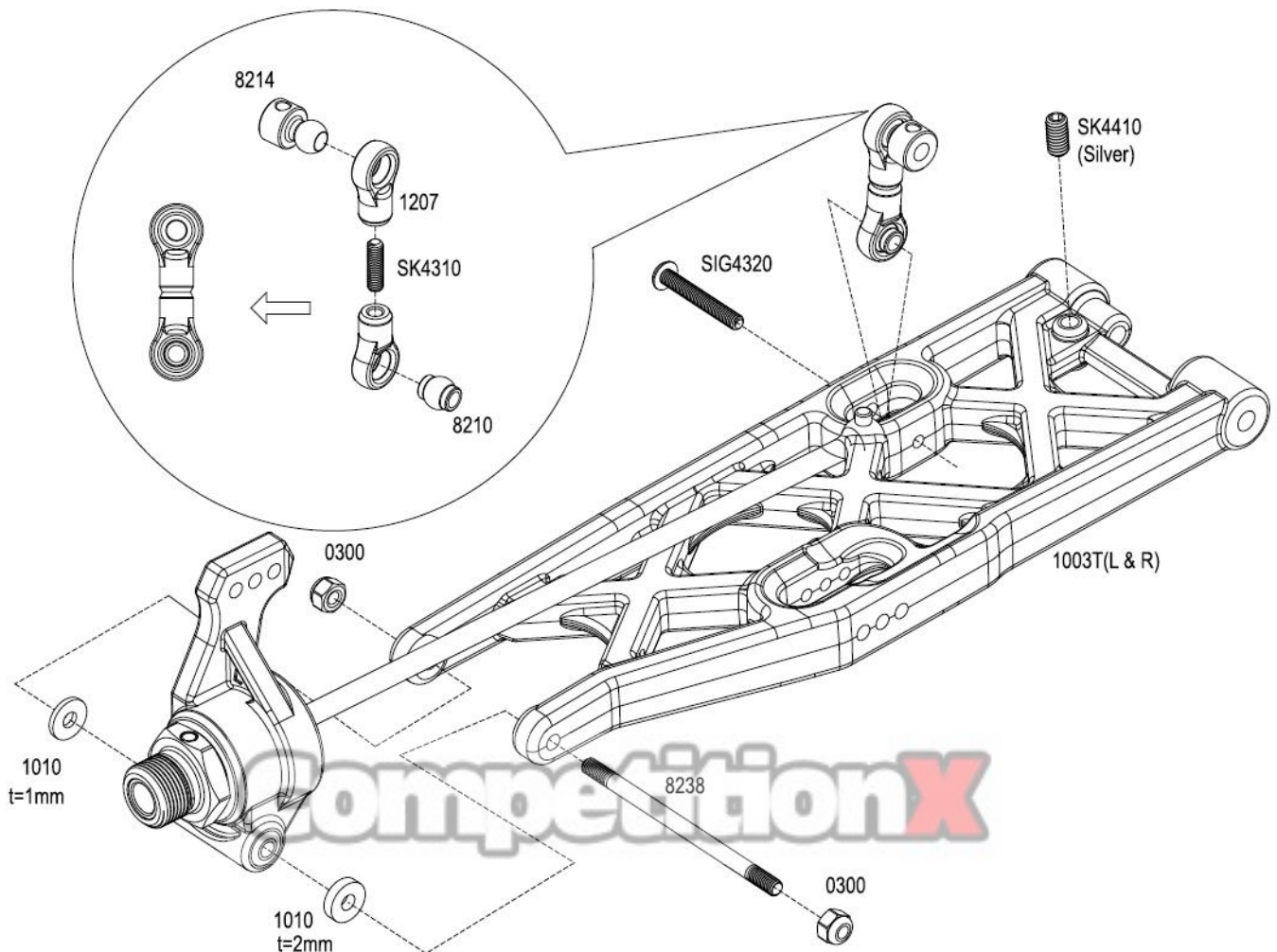
STEP E - 1

Rear Hub & CVD Assembly (Left/Right)



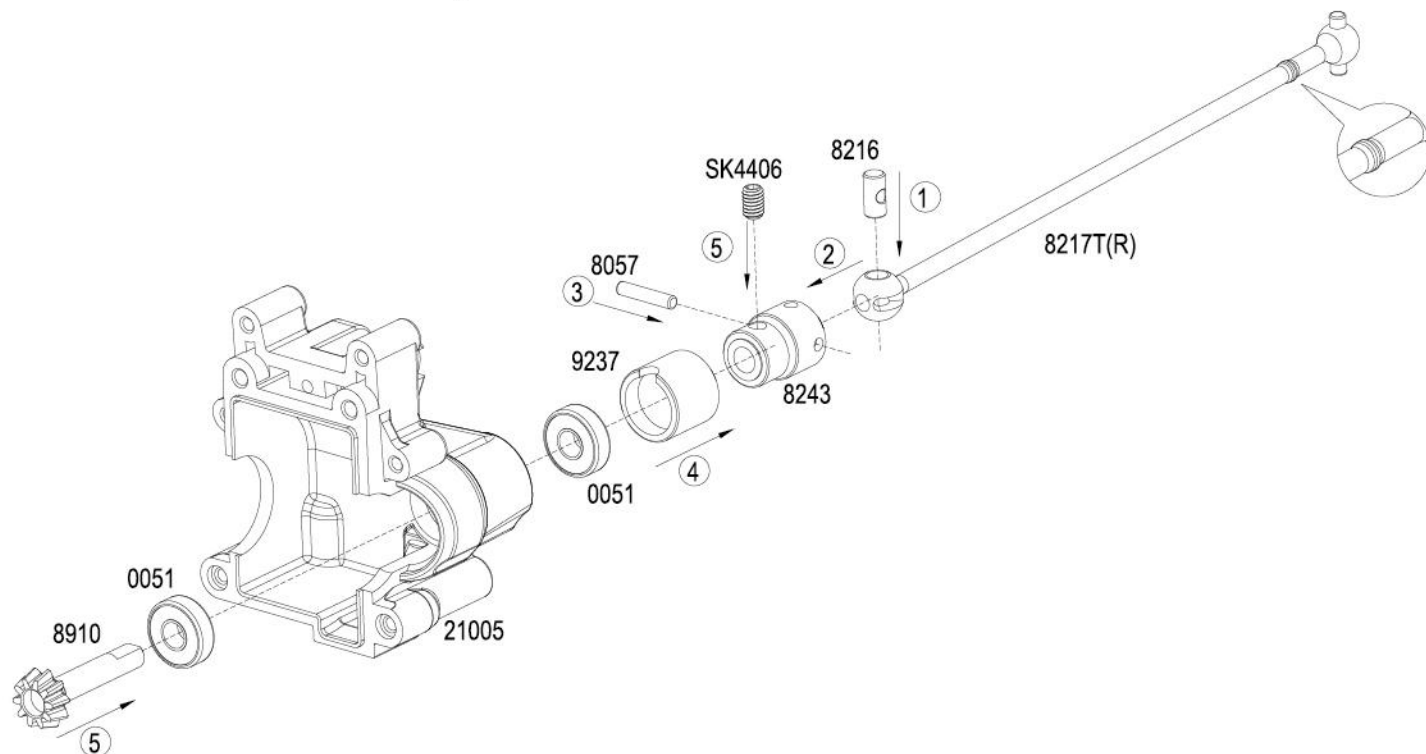
STEP E - 2

Rear Hub & CVD Assembly (Left/Right)



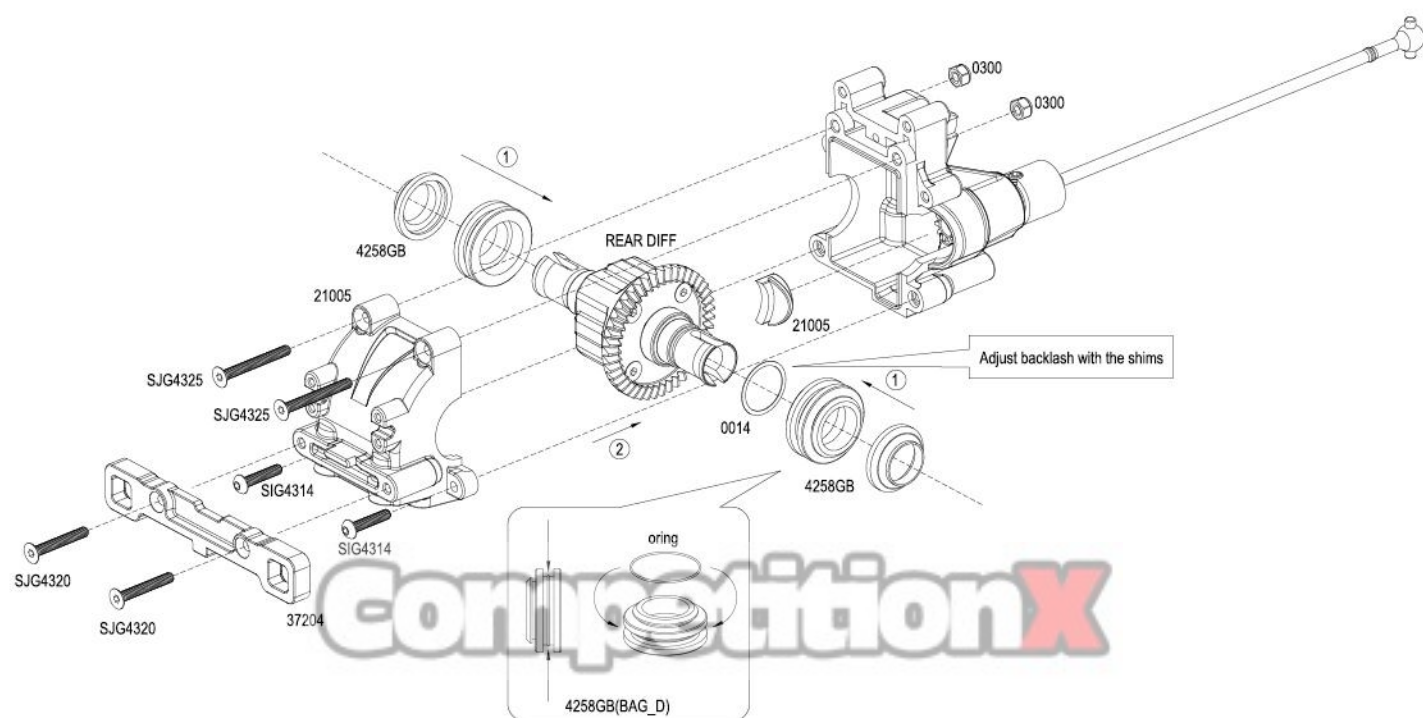
STEP F - 1

Rear Diff Case & CVD Assembly



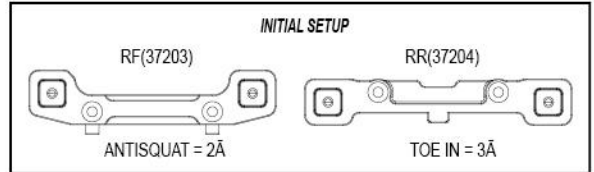
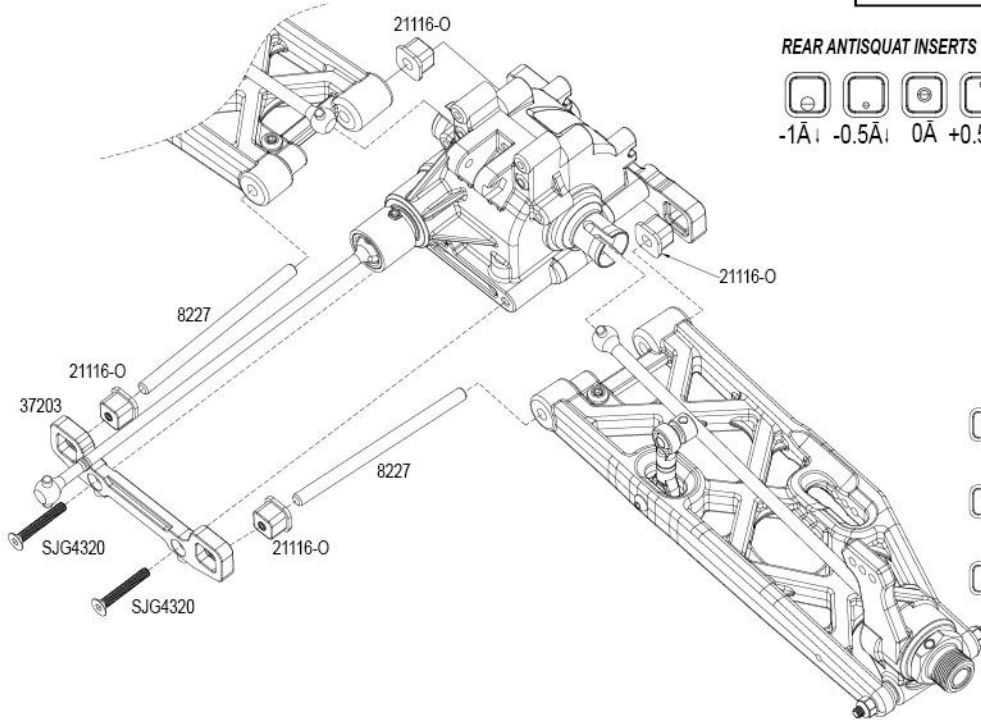
STEP F - 2

Rear Diff Install



STEP F - 3

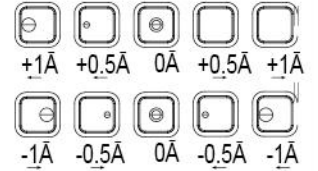
Rear Hubs & Suspension Arm Assembly (Left/Right)



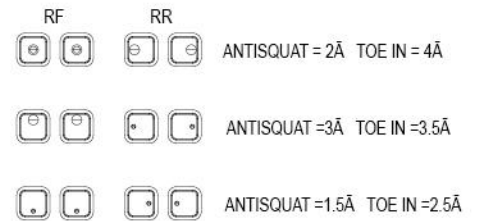
REAR ANTISQUAT INSERTS CHART(RF)



REAR TOE IN INSERTS CHART(RR)

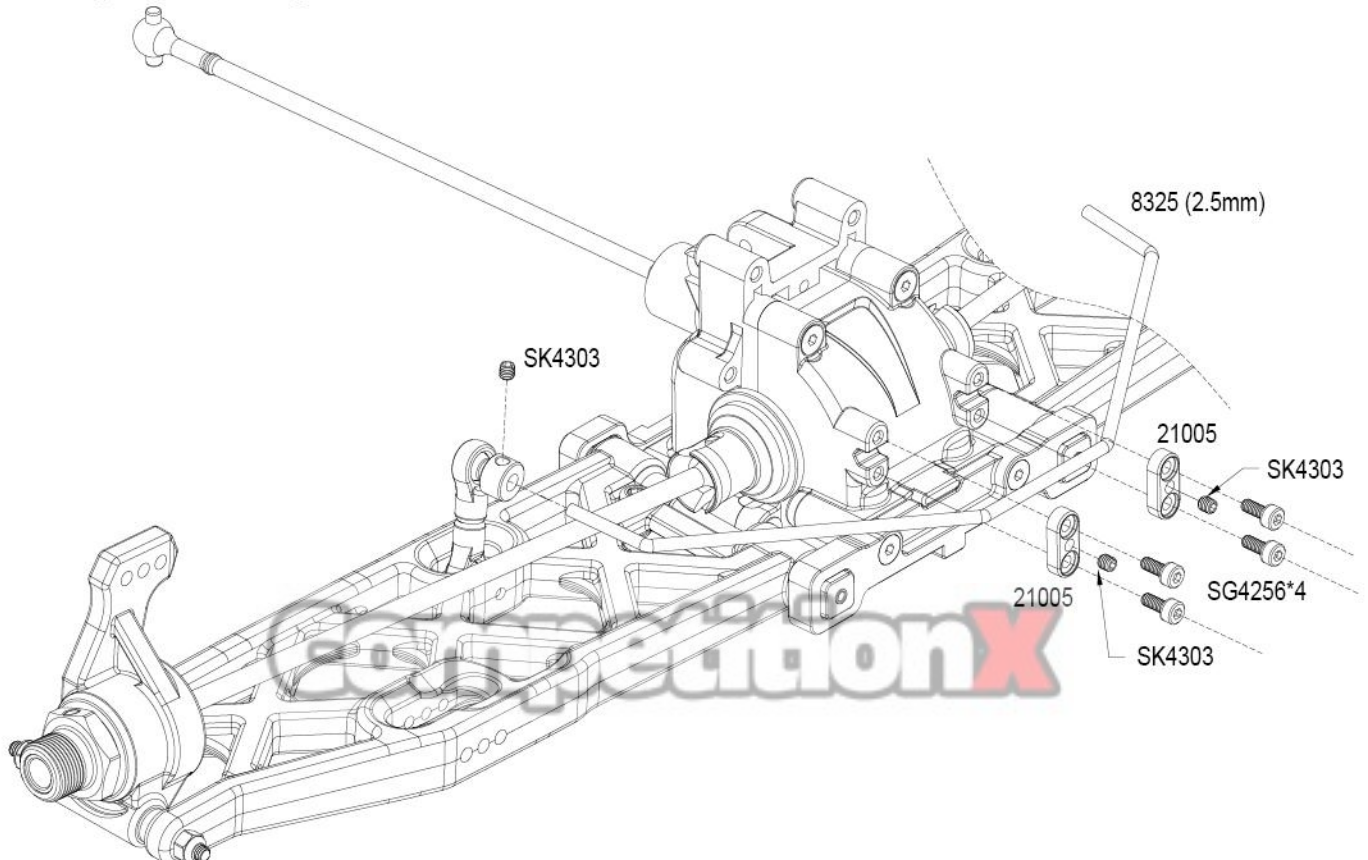


OTHER SETTING EXAMPLES



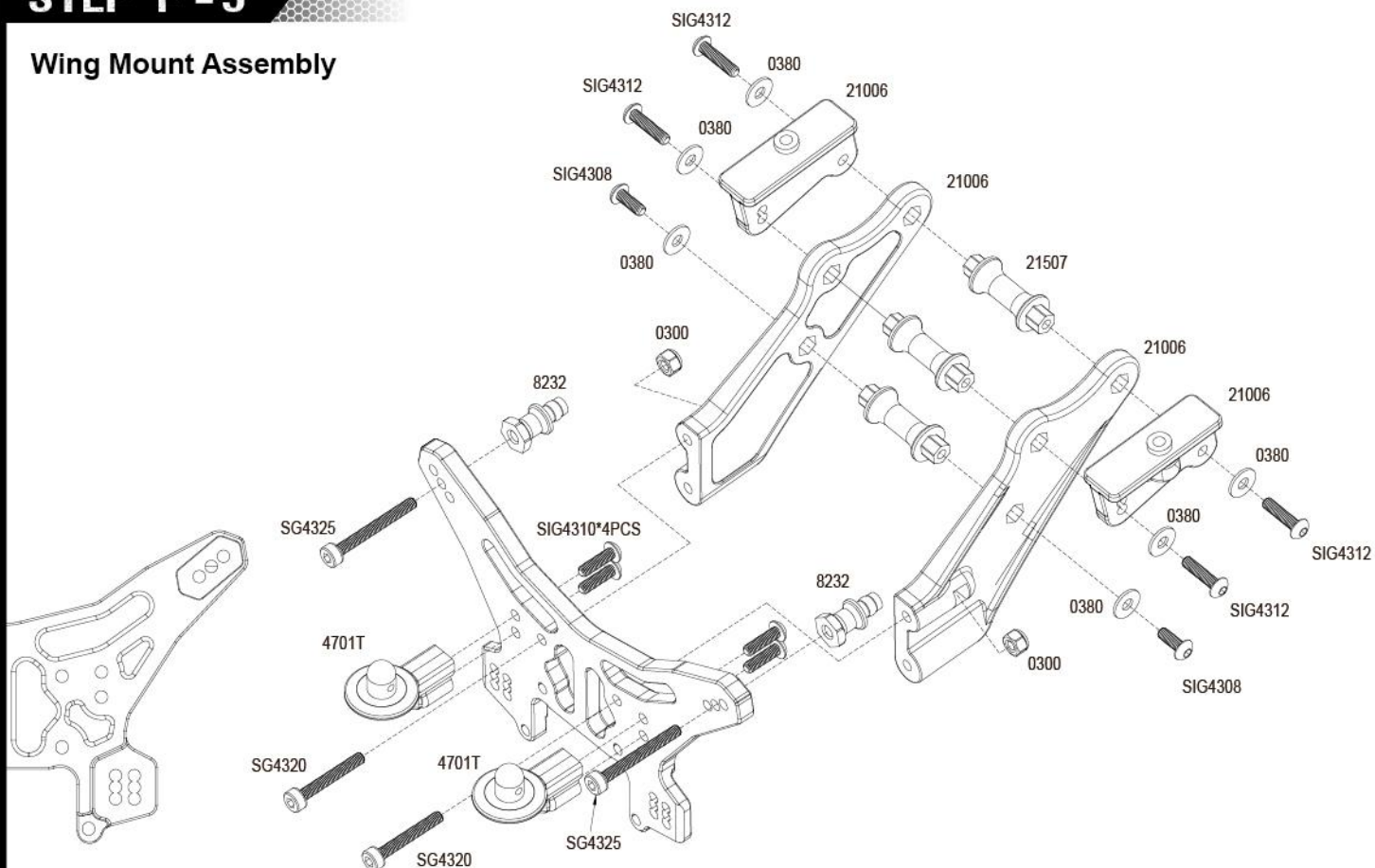
STEP F - 4

Rear Swaybar Assembly



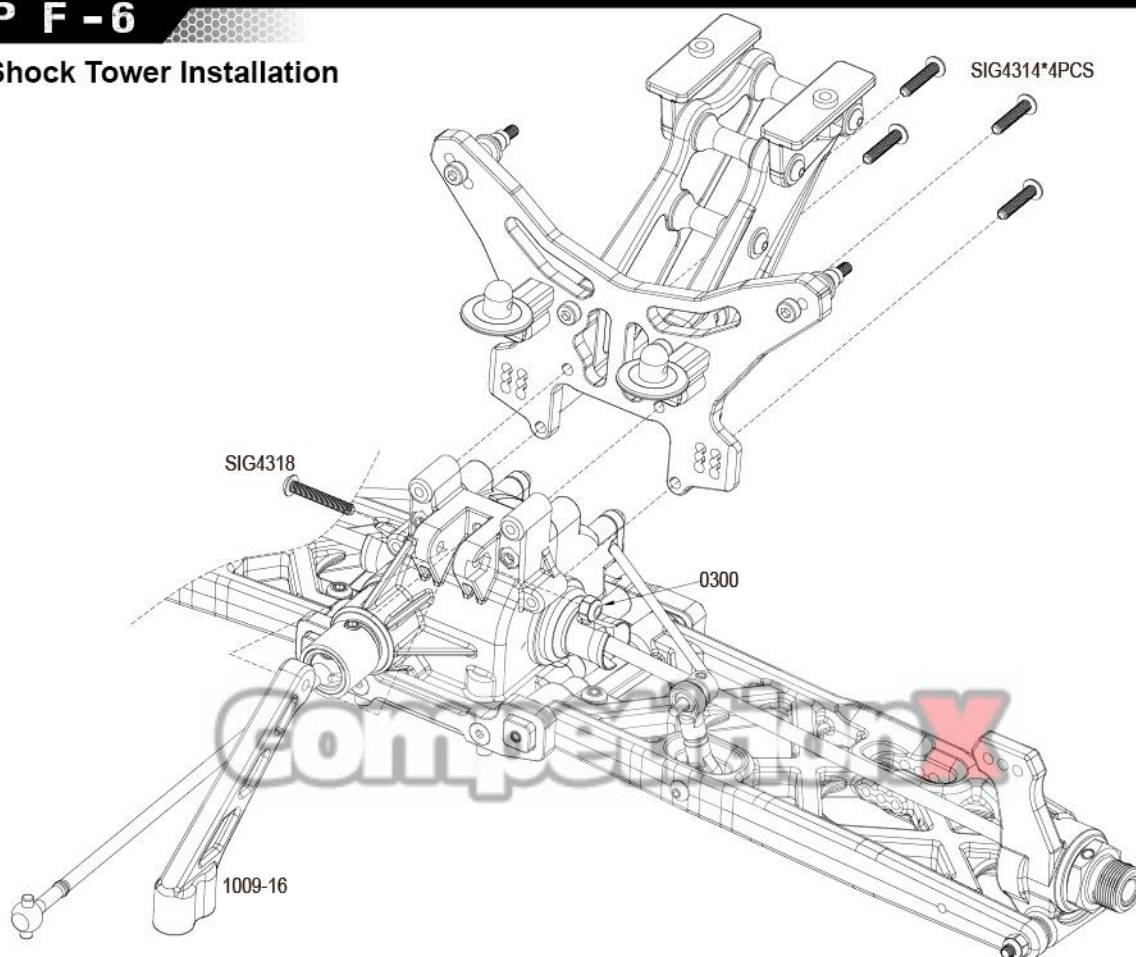
STEP F - 5

Wing Mount Assembly



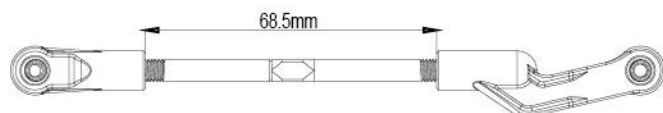
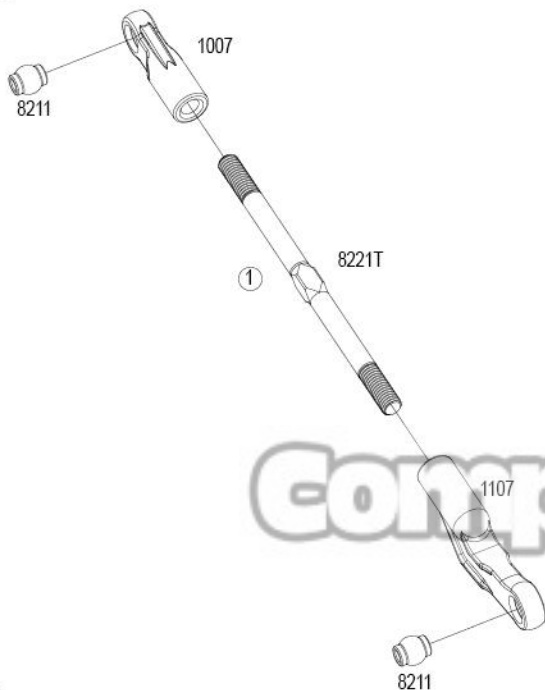
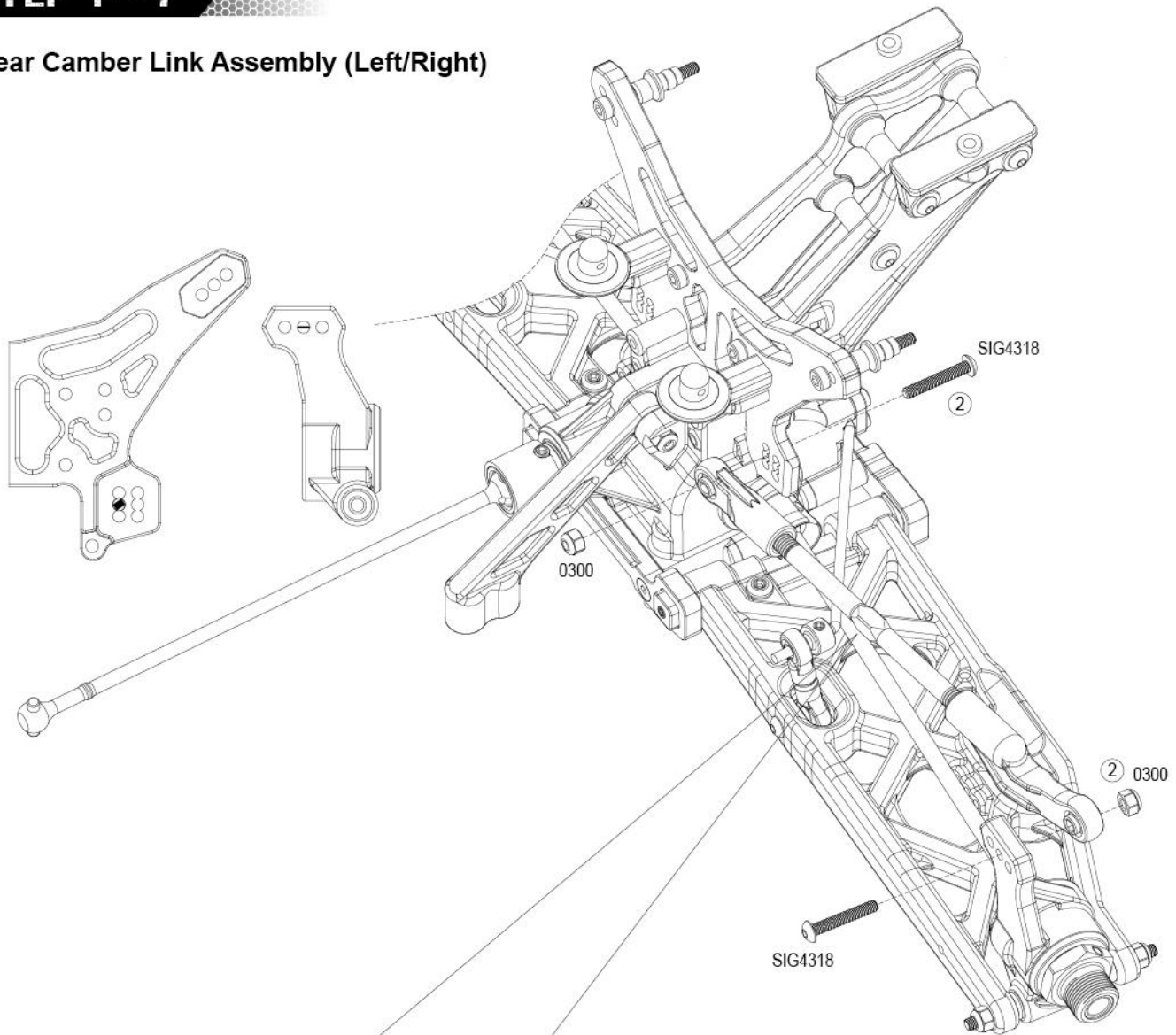
STEP F - 6

Rear Shock Tower Installation



STEP F - 7

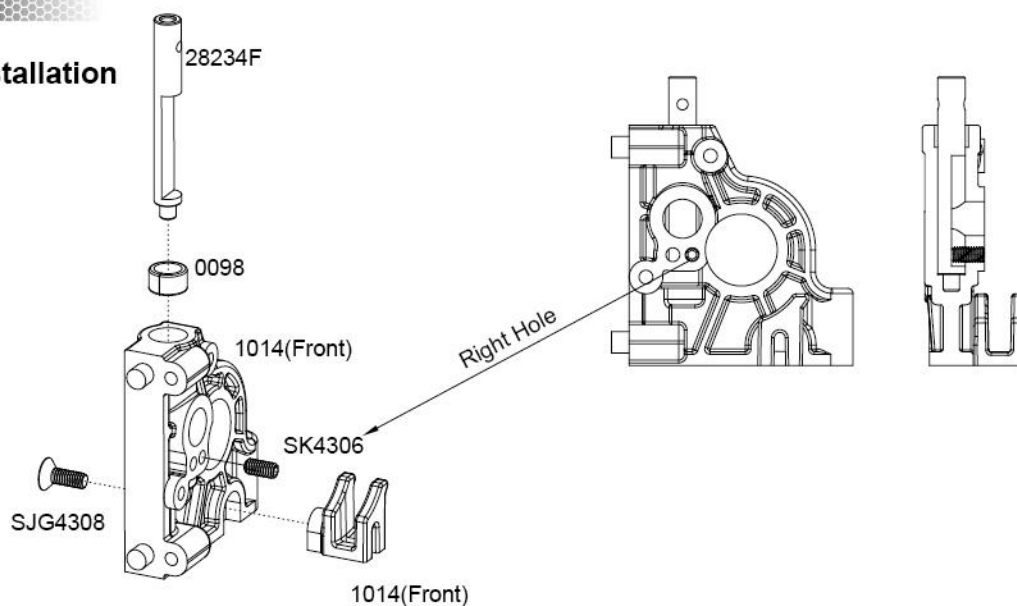
Rear Camber Link Assembly (Left/Right)



CompetitionX

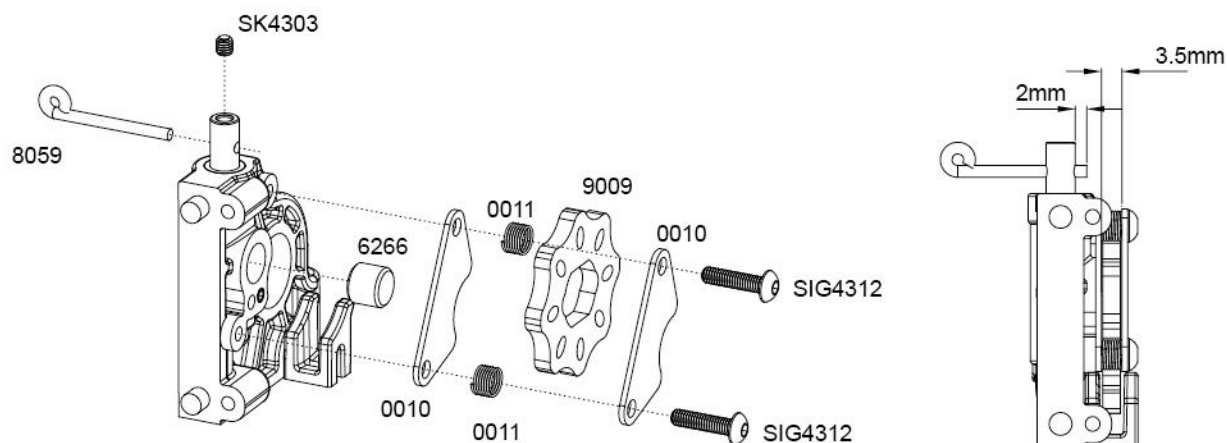
STEP G - 1

Center Diff/Brake Installation



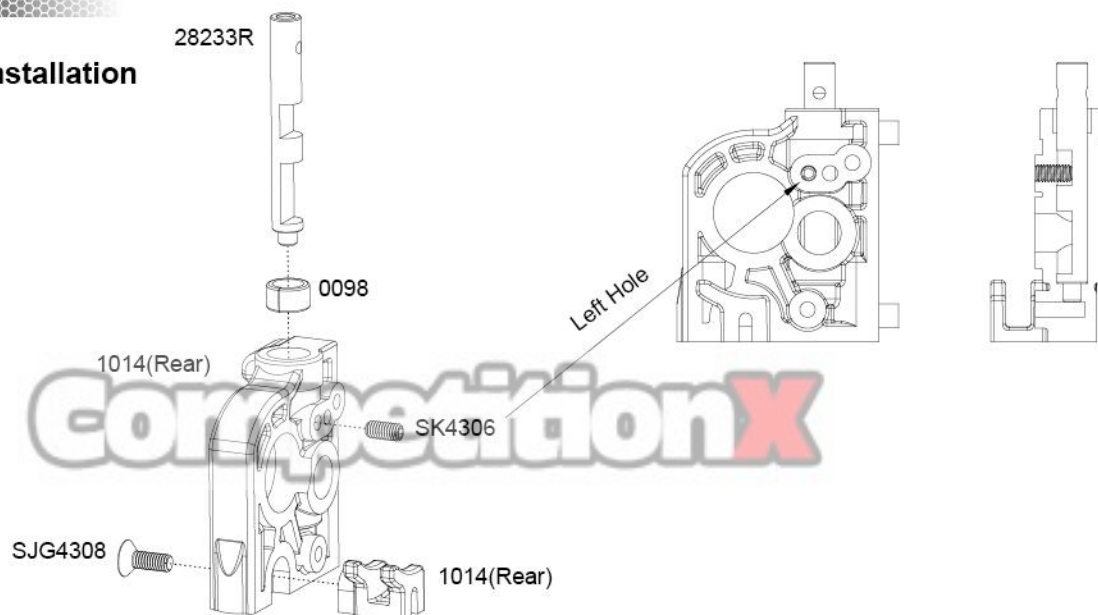
STEP G - 2

Center Diff/Brake Installation



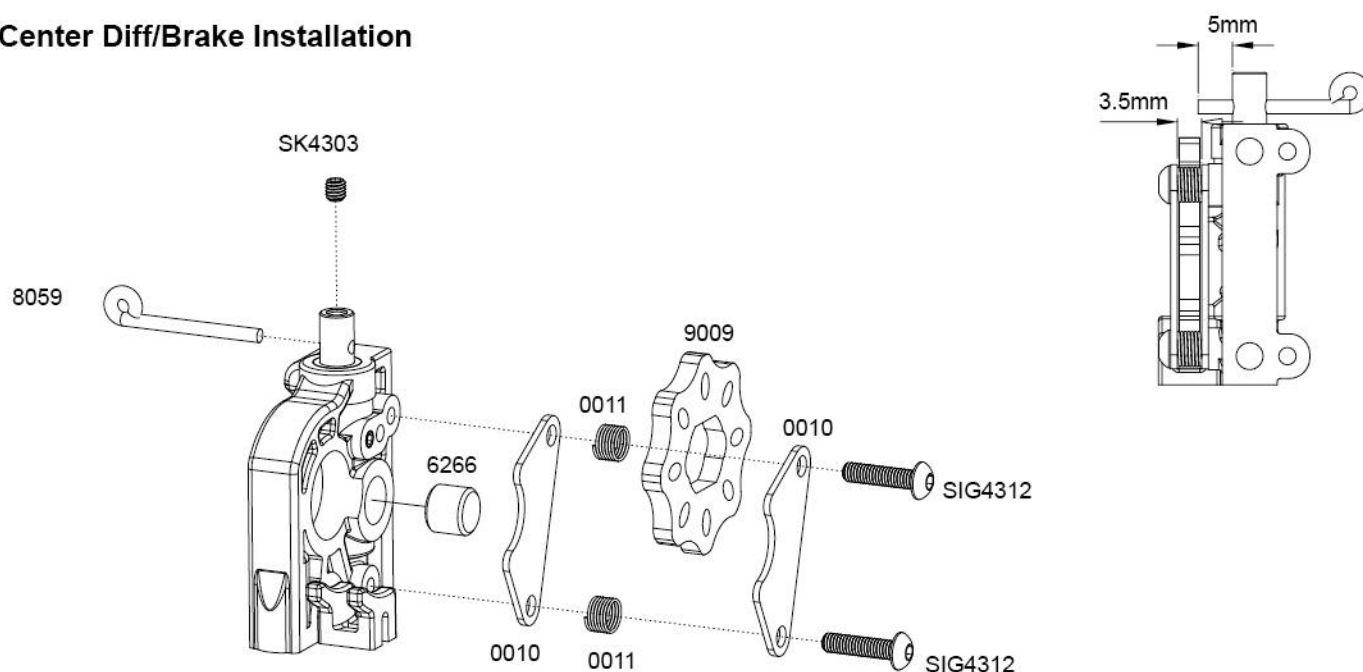
STEP G - 3

Center Diff/Brake Installation



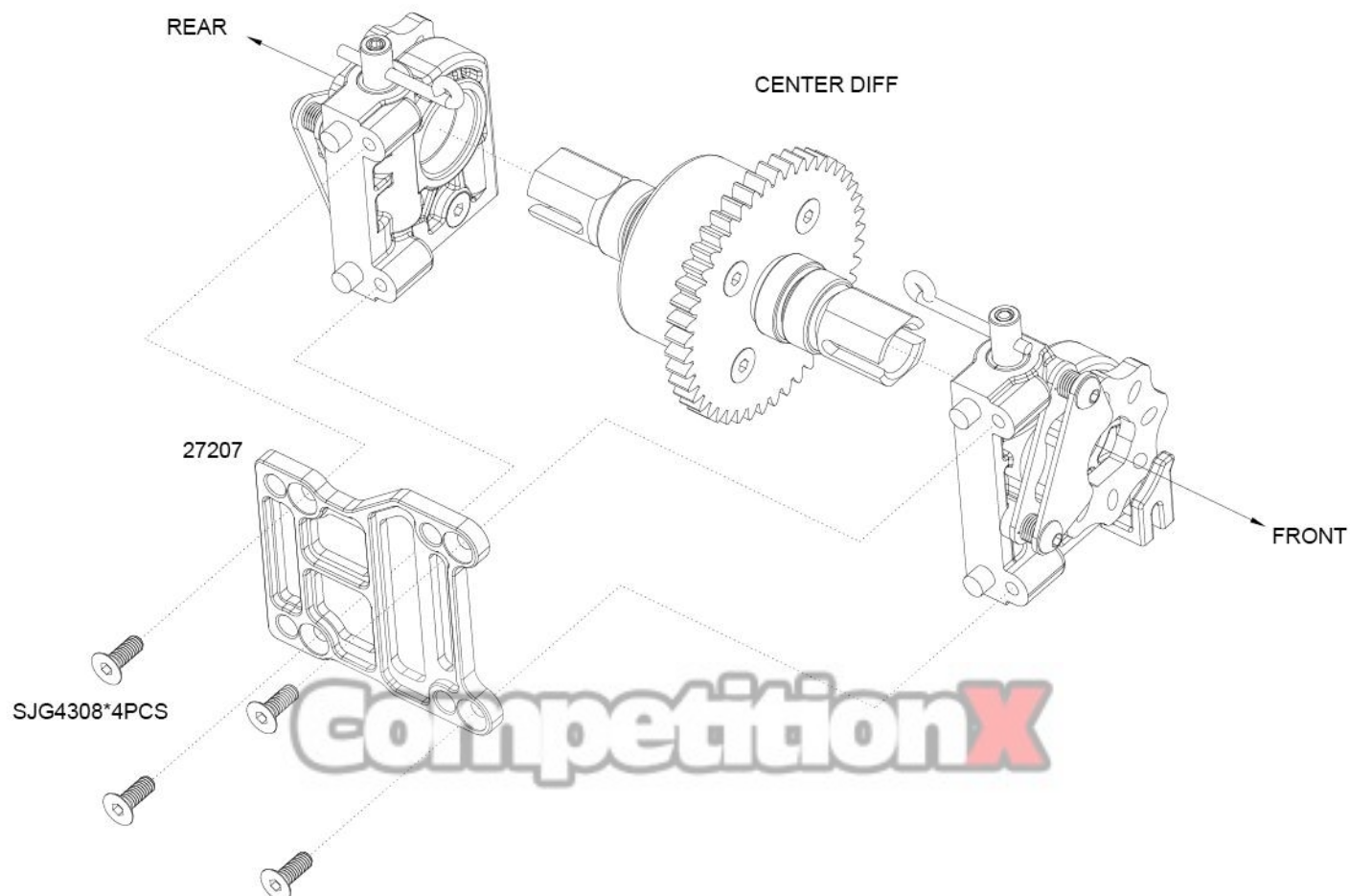
STEP G - 4

Center Diff/Brake Installation



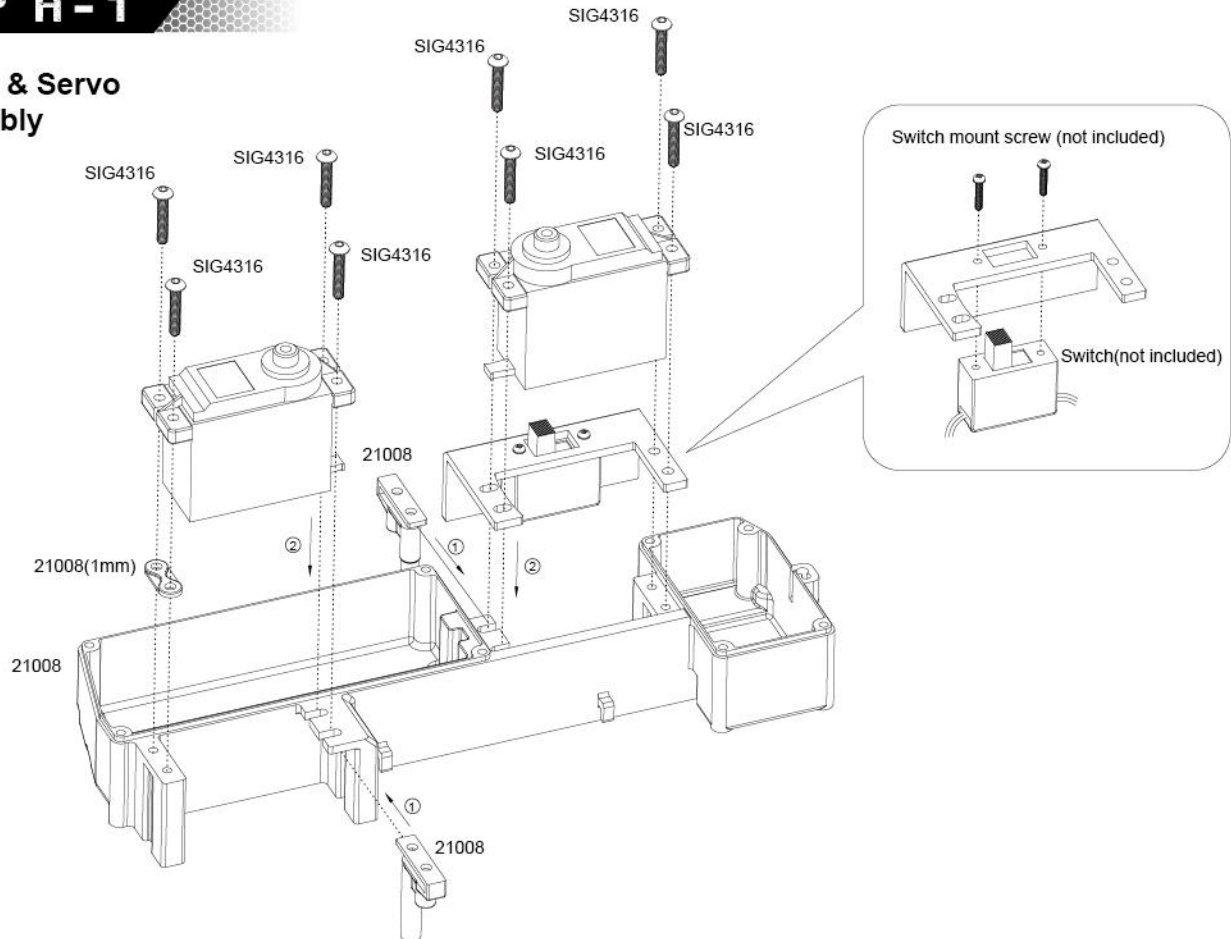
STEP G - 5

Center Diff/Brake Installation



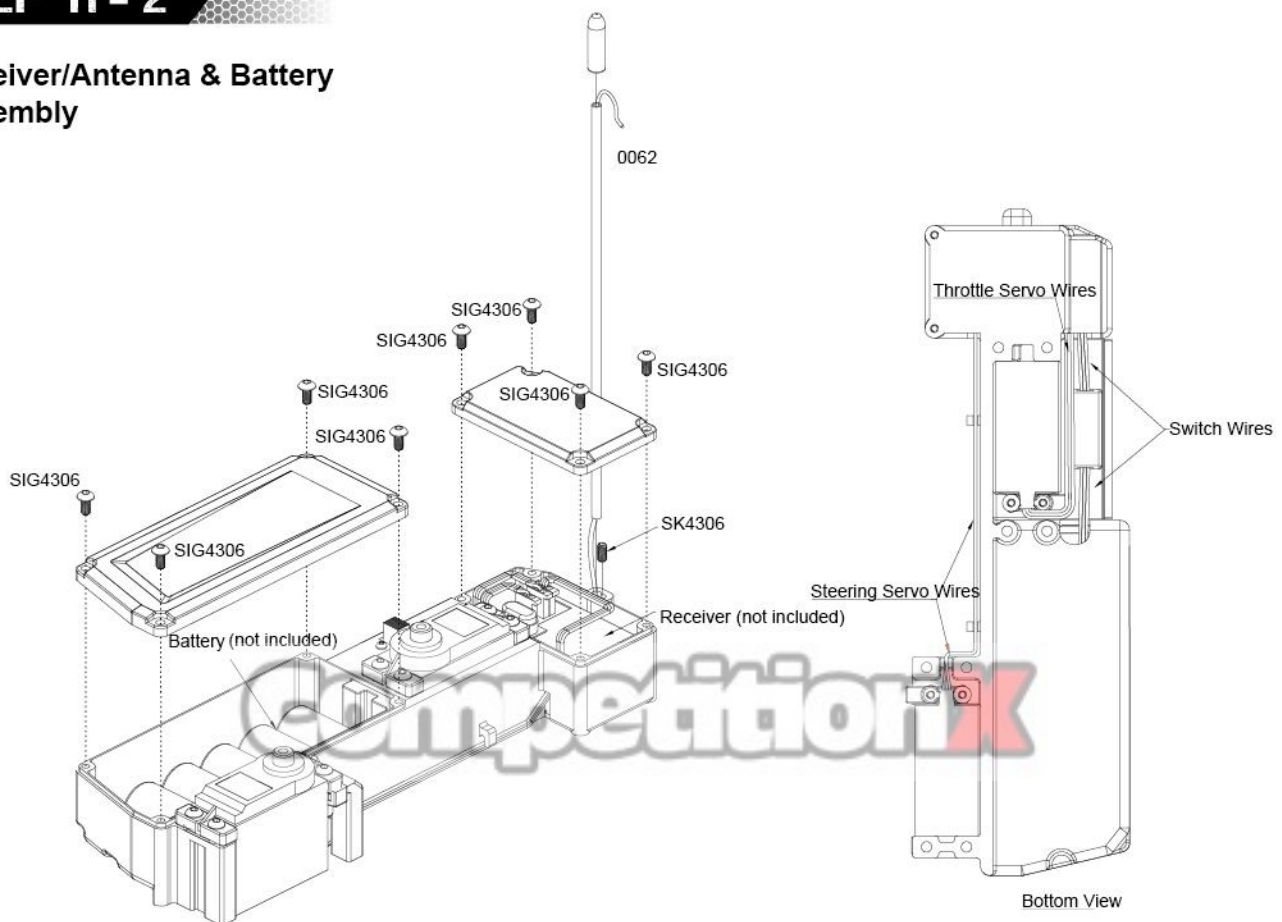
STEP H - 1

Switch & Servo Assembly



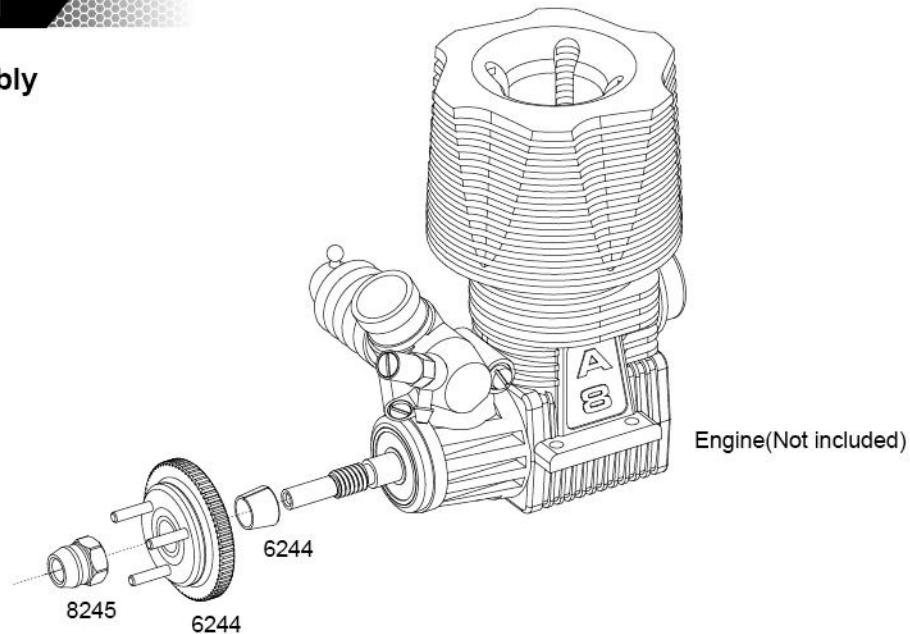
STEP H - 2

Receiver/Antenna & Battery Assembly



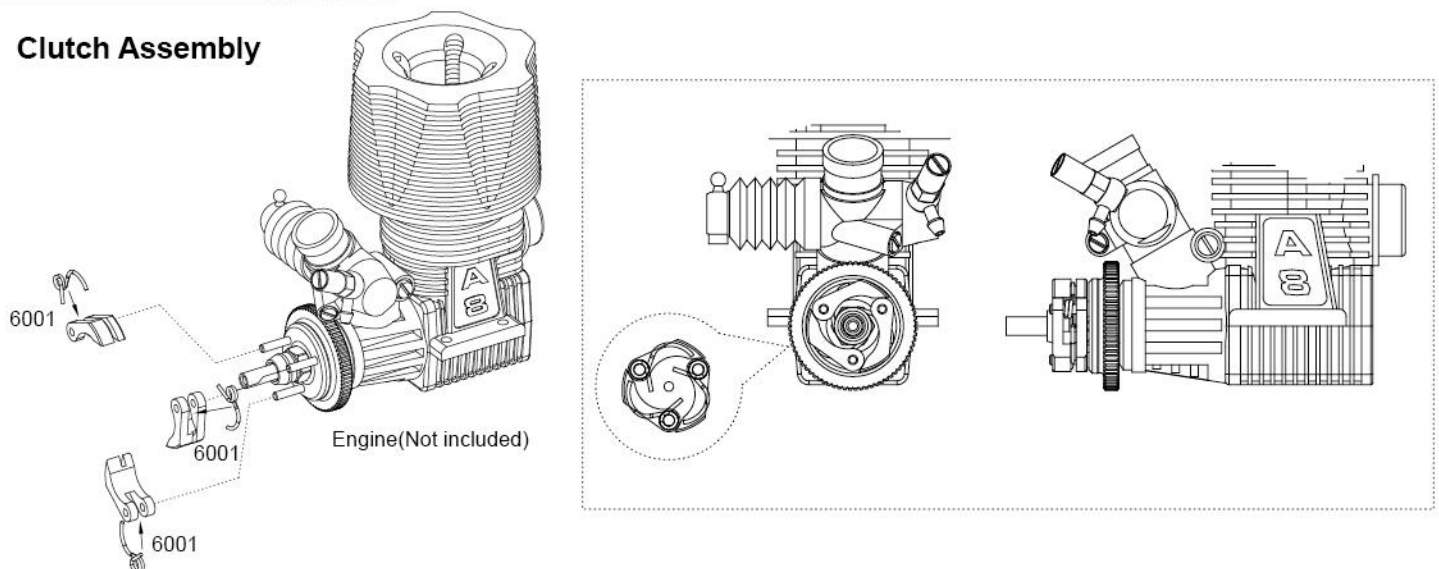
STEP 1-1

Clutch Assembly



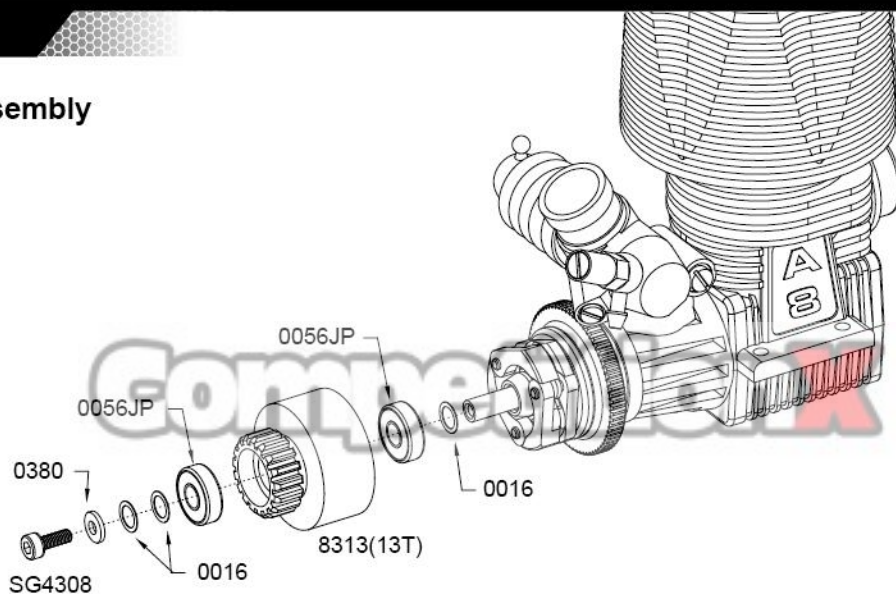
STEP 1-2

Clutch Assembly



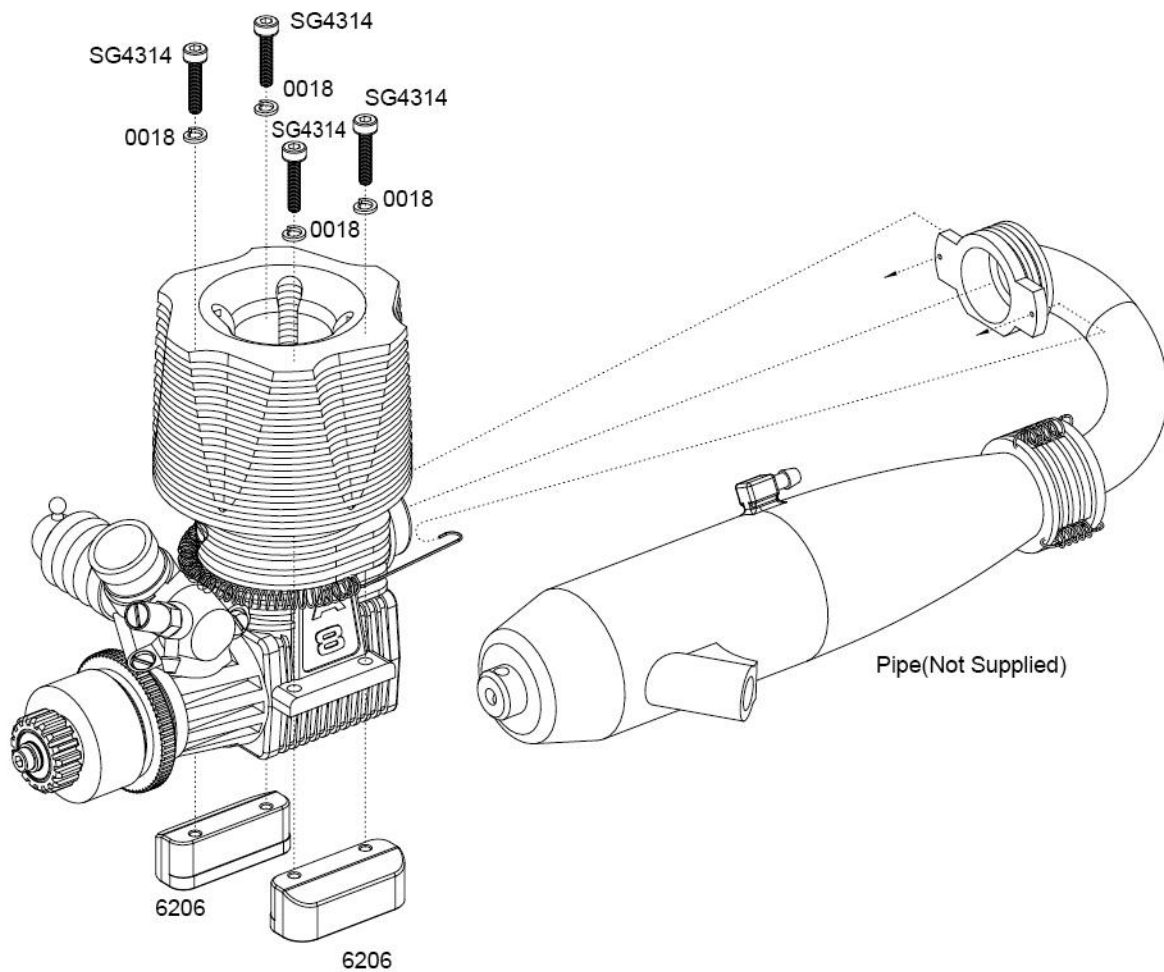
STEP 1-3

Clutch Bell Assembly



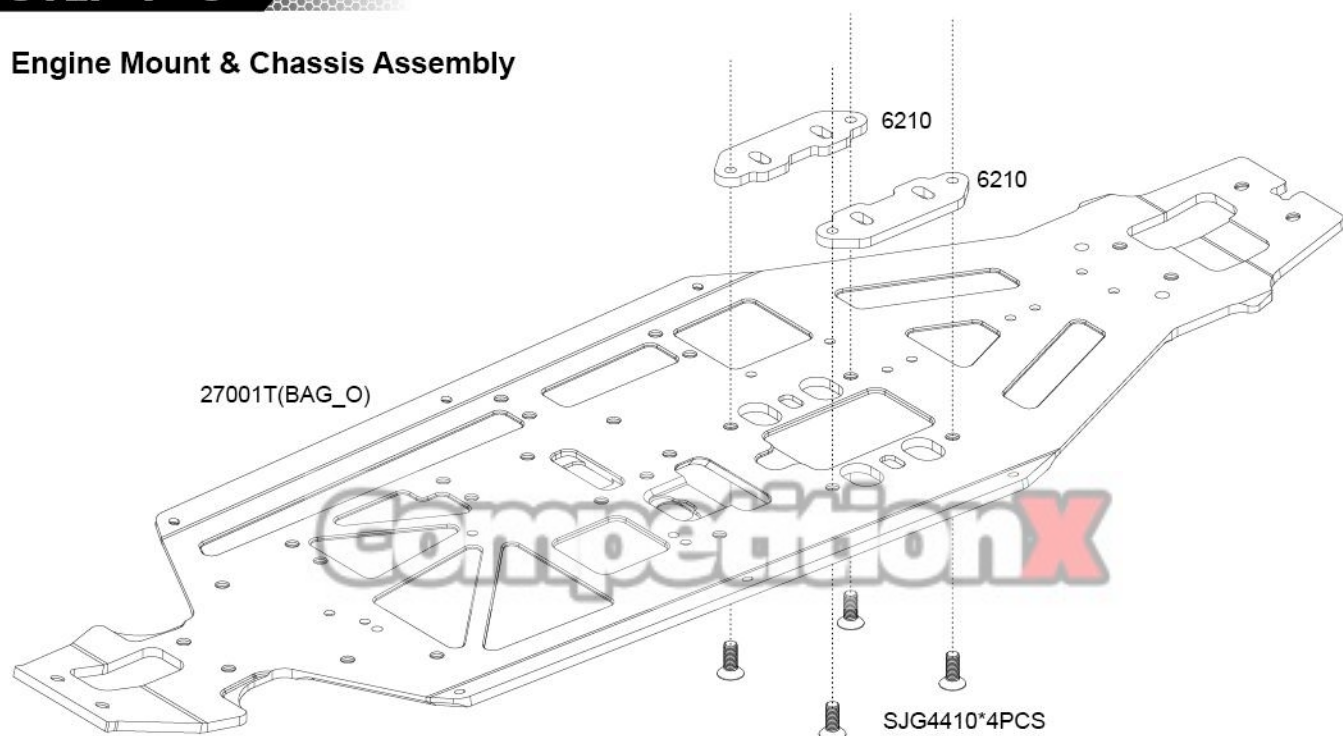
STEP 1-4

Engine Mount & Pipe Assembly



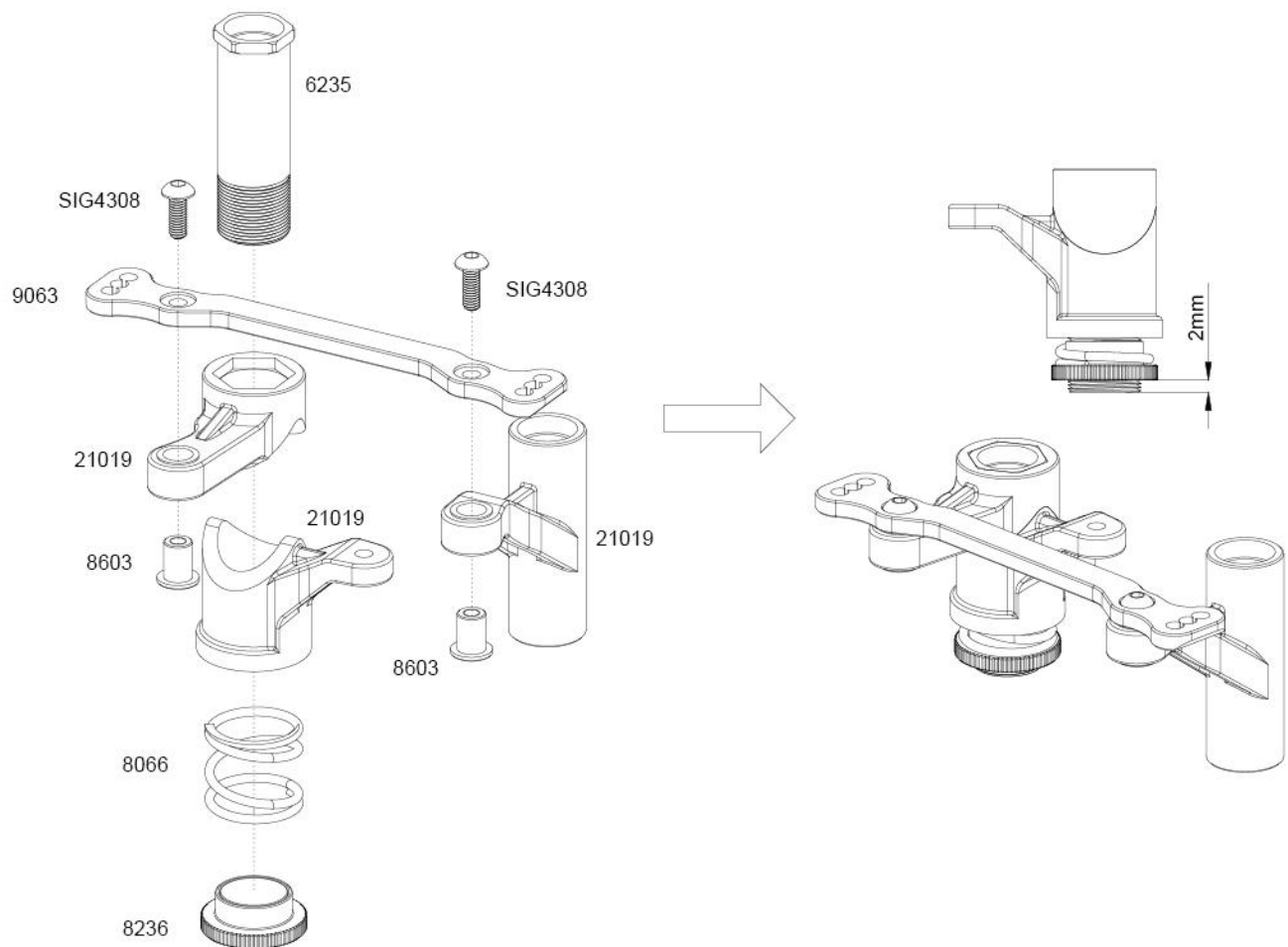
STEP 1-5

Engine Mount & Chassis Assembly



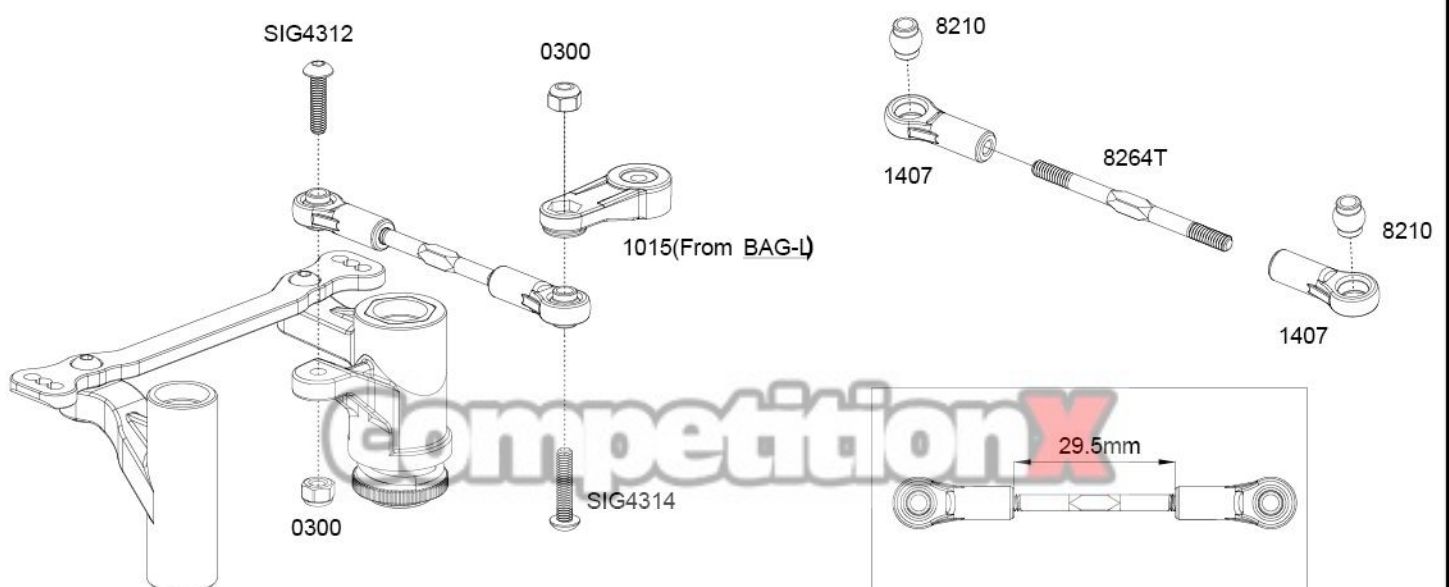
STEP J-1

Servo Saver Installation



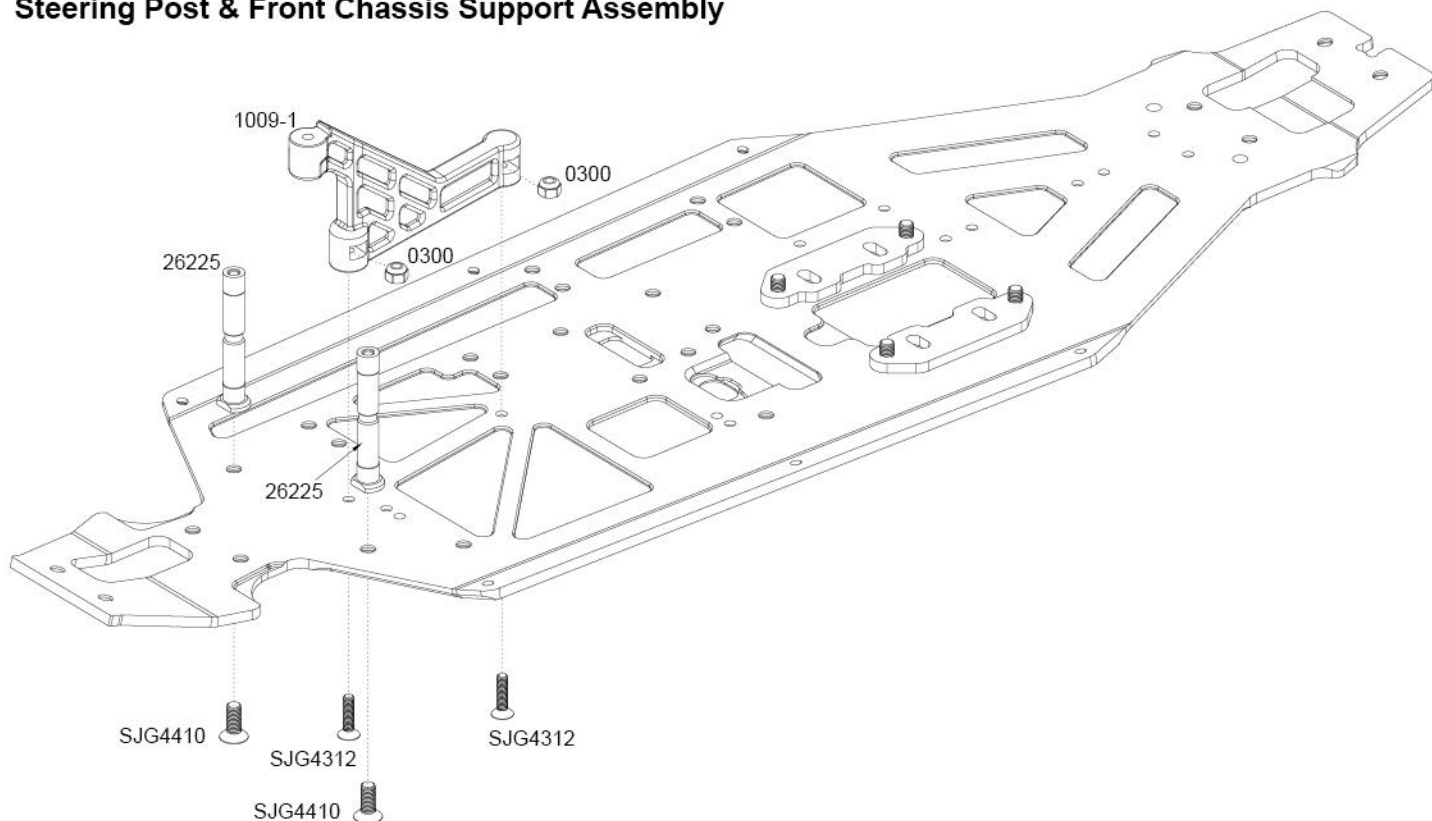
STEP J - 2

Steering Servo Link Assembly



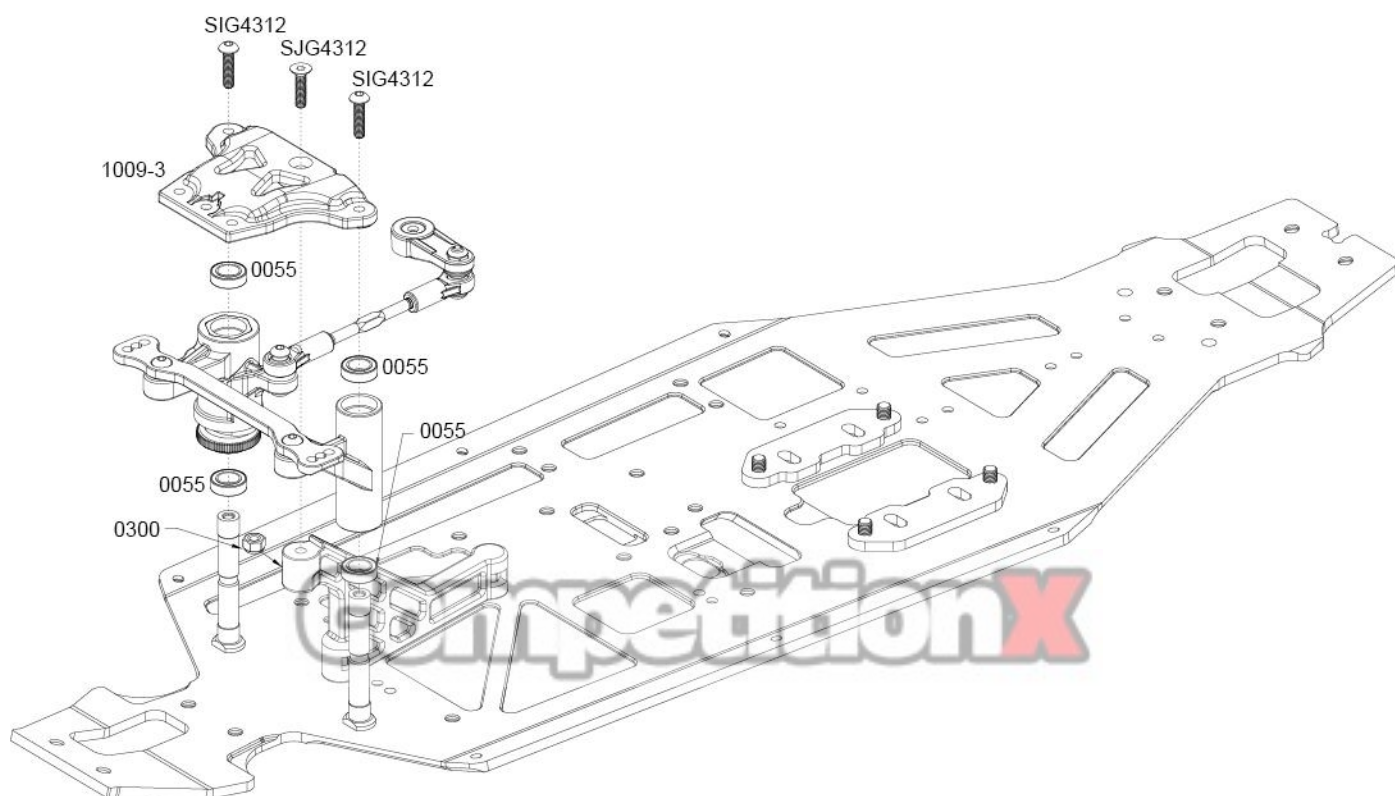
STEP J - 3

Steering Post & Front Chassis Support Assembly



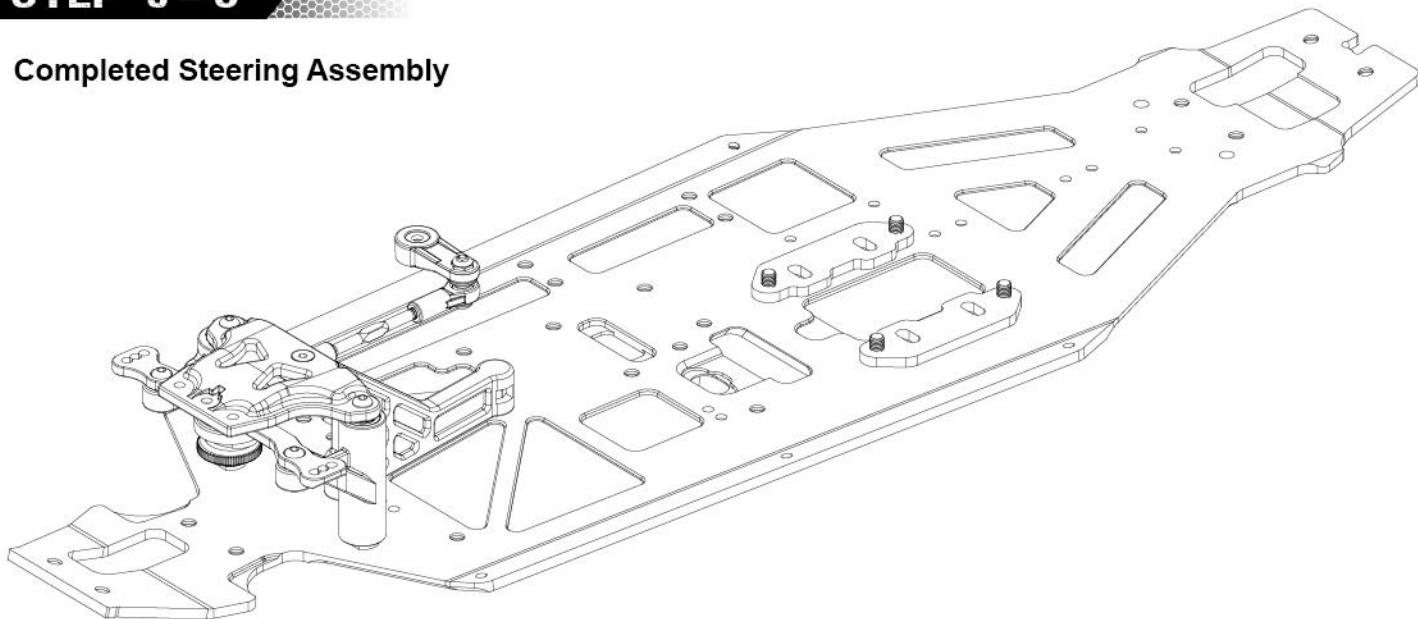
STEP J - 4

Steering Saver & Front Chassis Brace Assembly



STEP J - 5

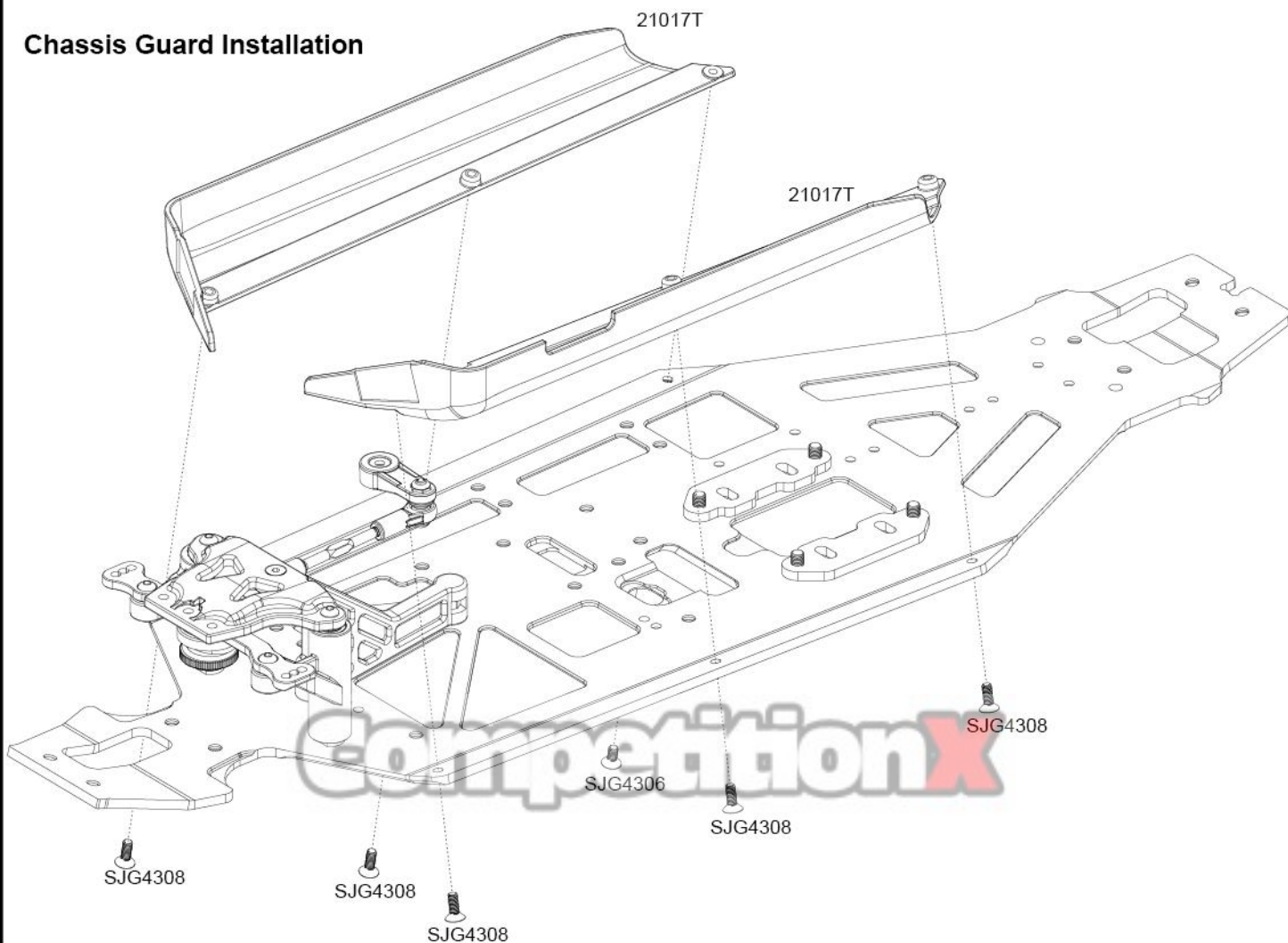
Completed Steering Assembly



BAG K

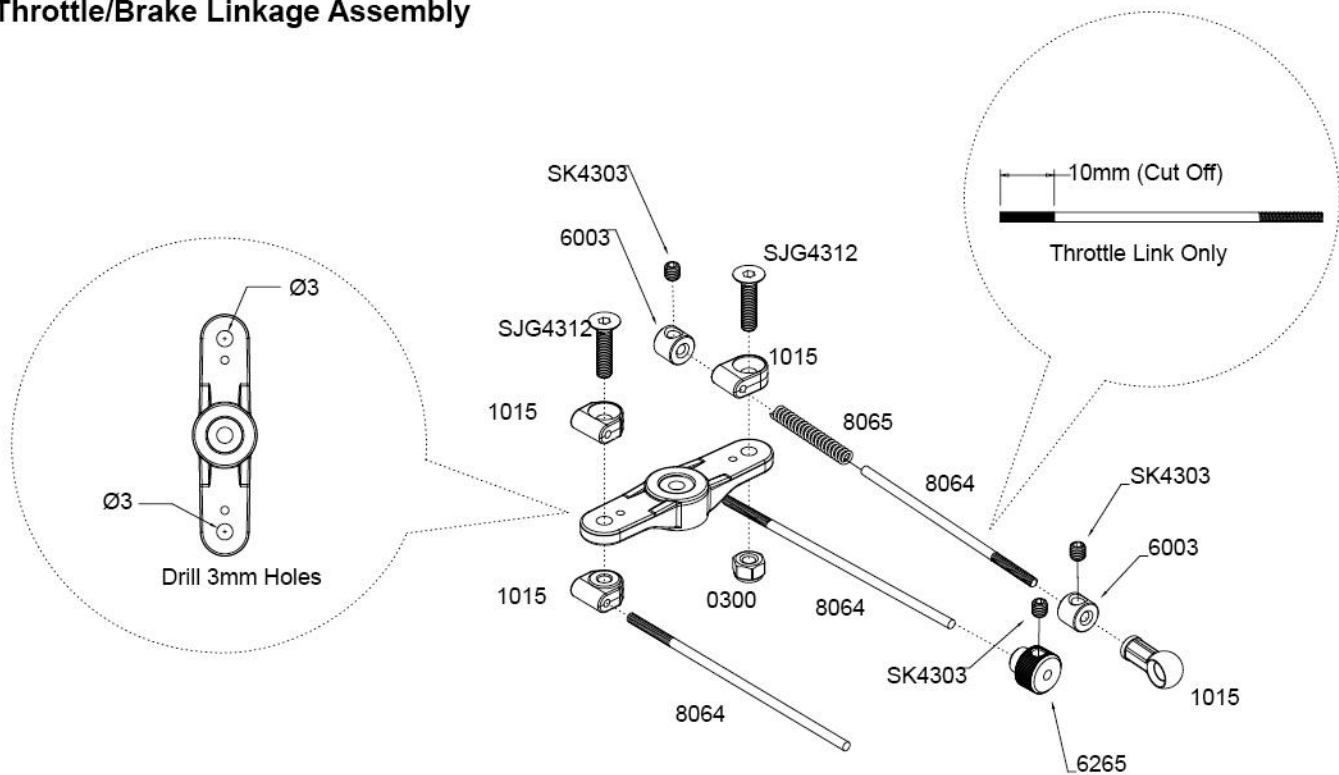
STEP K - 1

Chassis Guard Installation



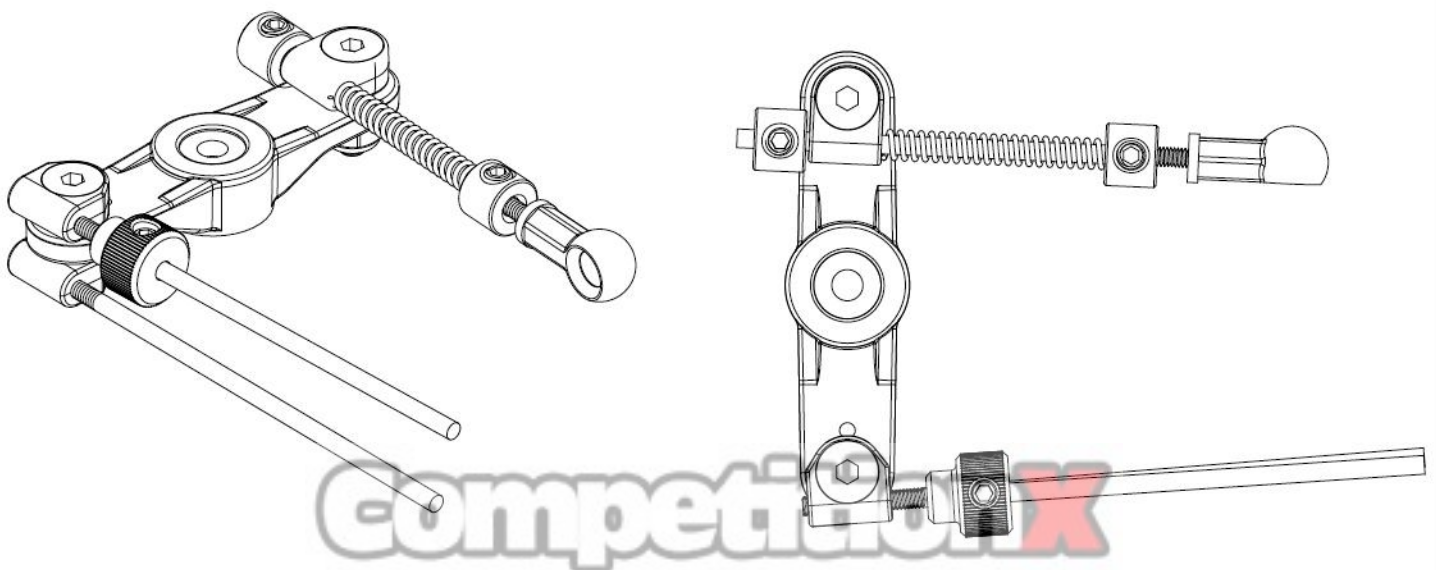
STEP L - 1

Throttle/Brake Linkage Assembly



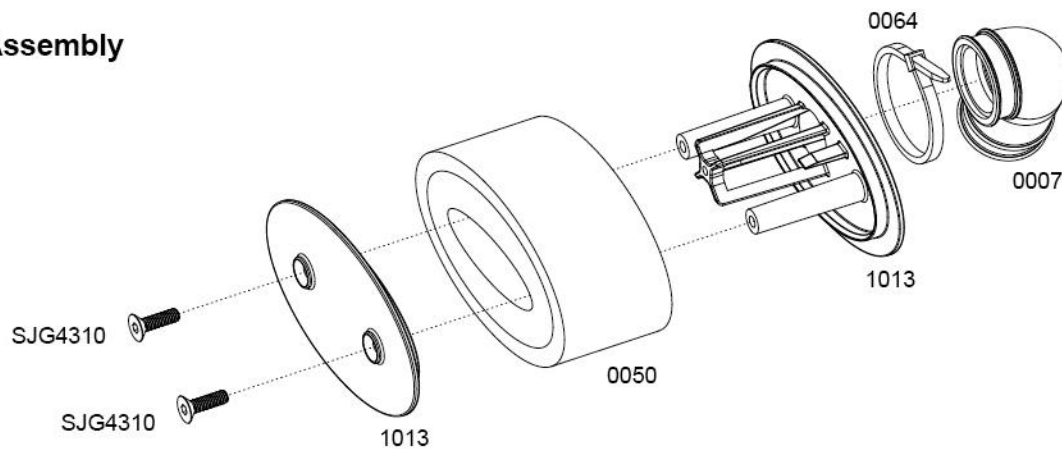
STEP L - 2

Completed Throttle/Brake Linkage Assembly



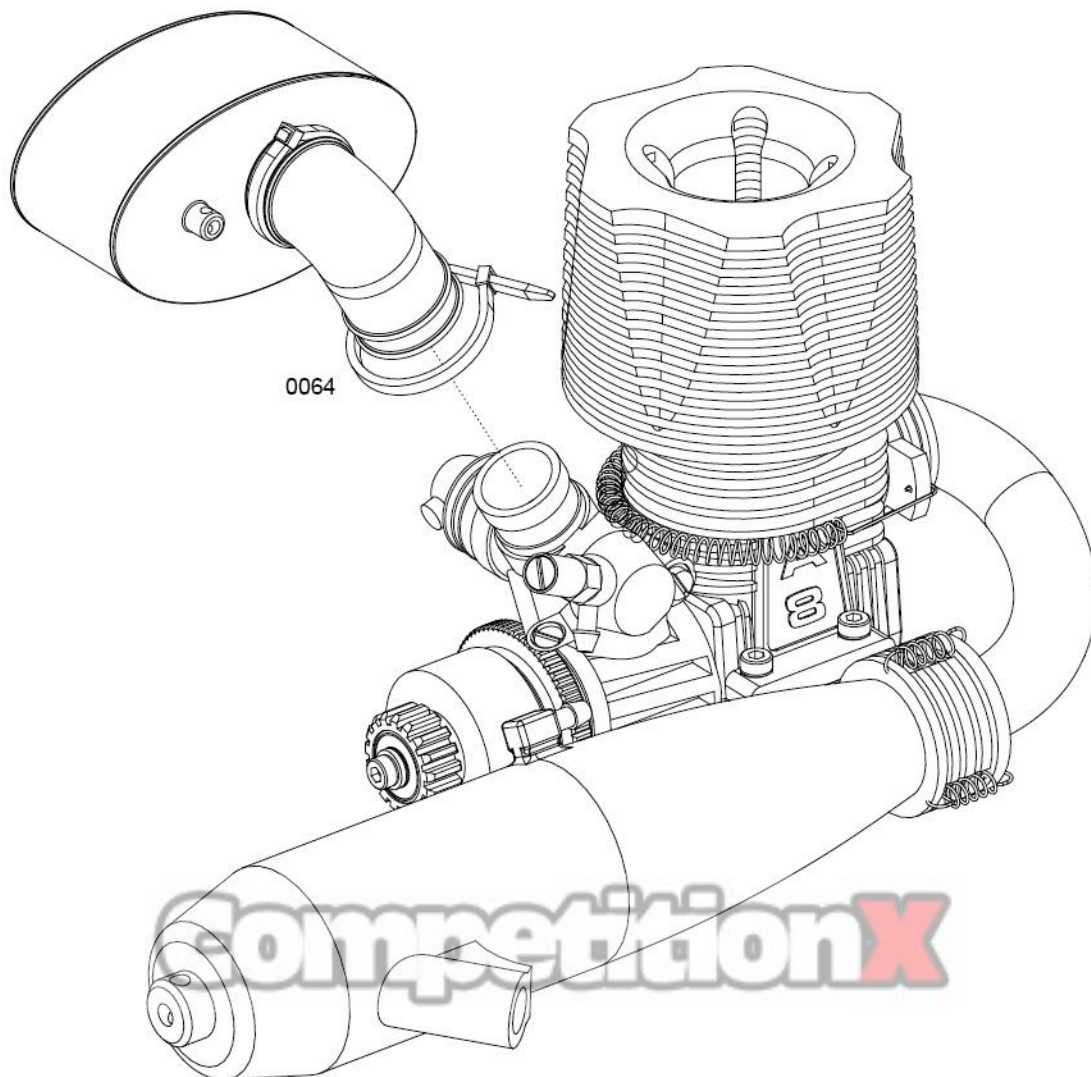
STEP M - 1

Air Filter Assembly



STEP M - 2

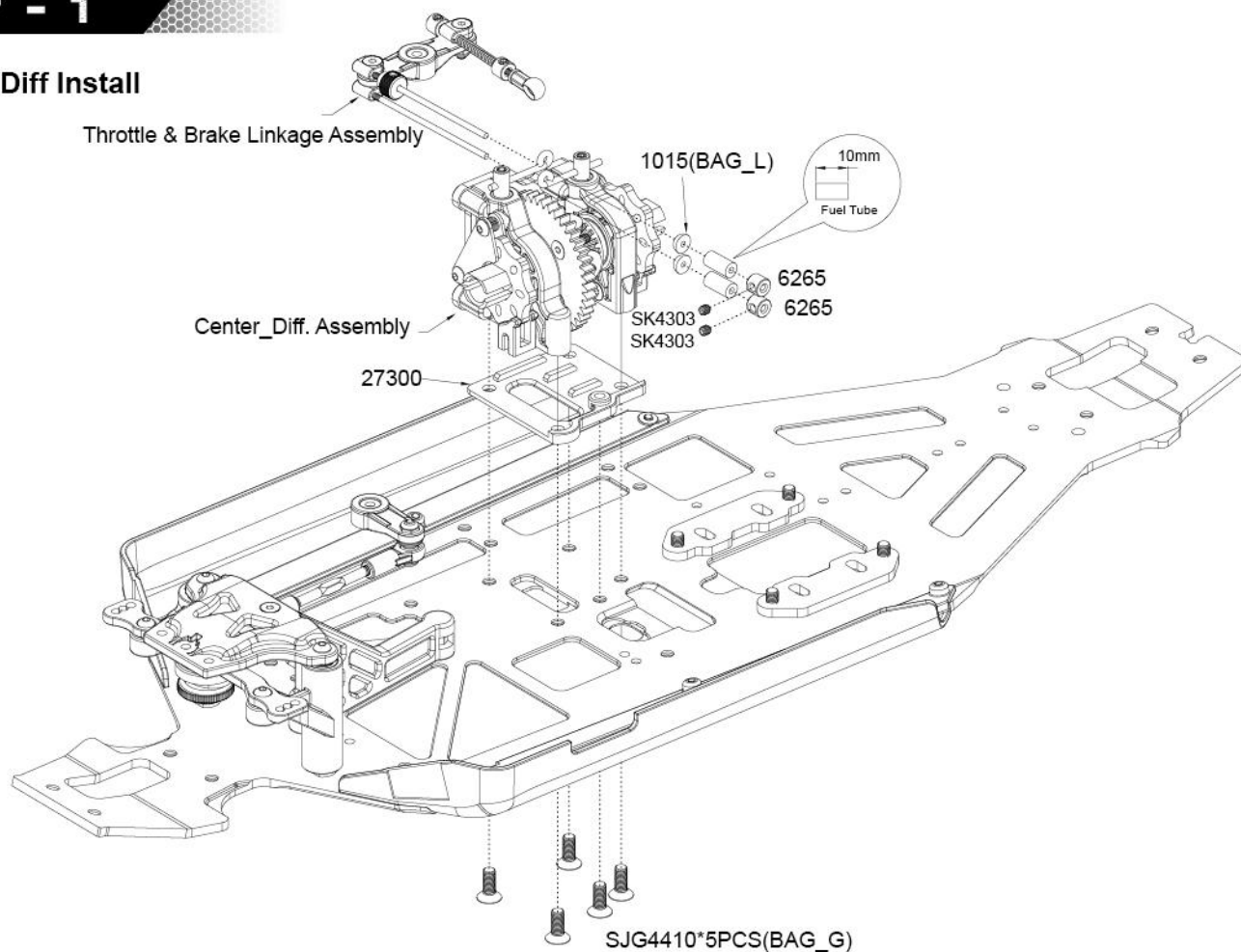
Air Filter Assembly



CHASSIS INSTALL **A215T**

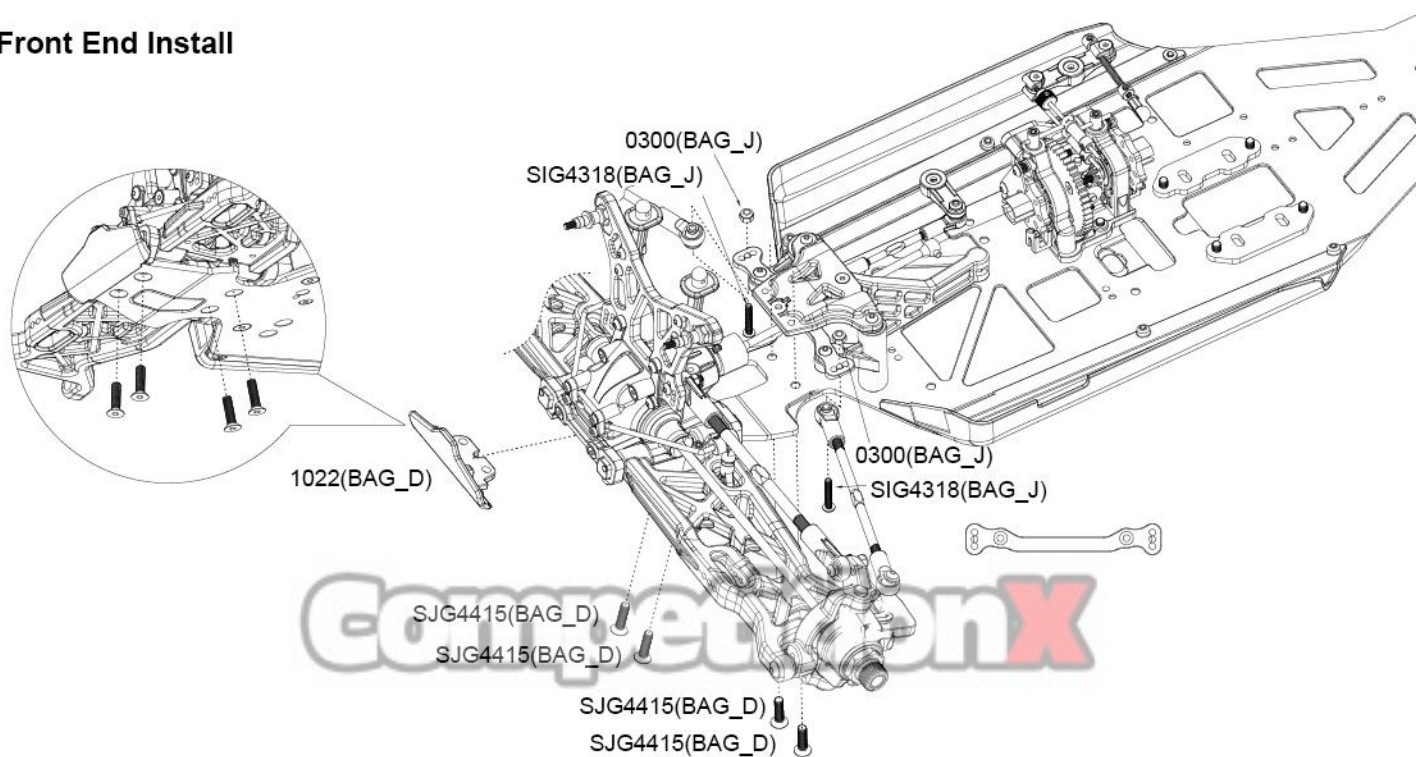
STEP - 1

Center Diff Install



STEP - 2

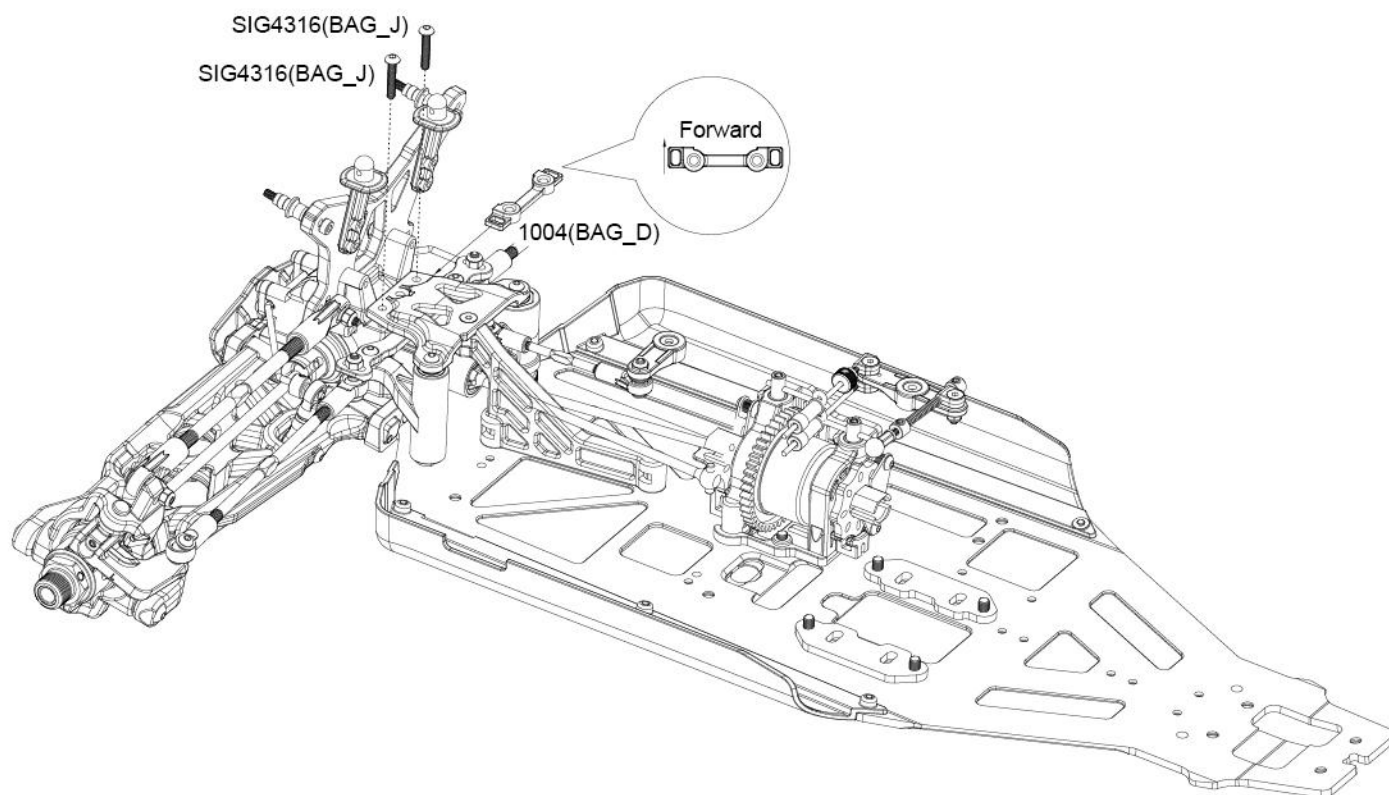
Front End Install



CHASSIS INSTALL **A215T**

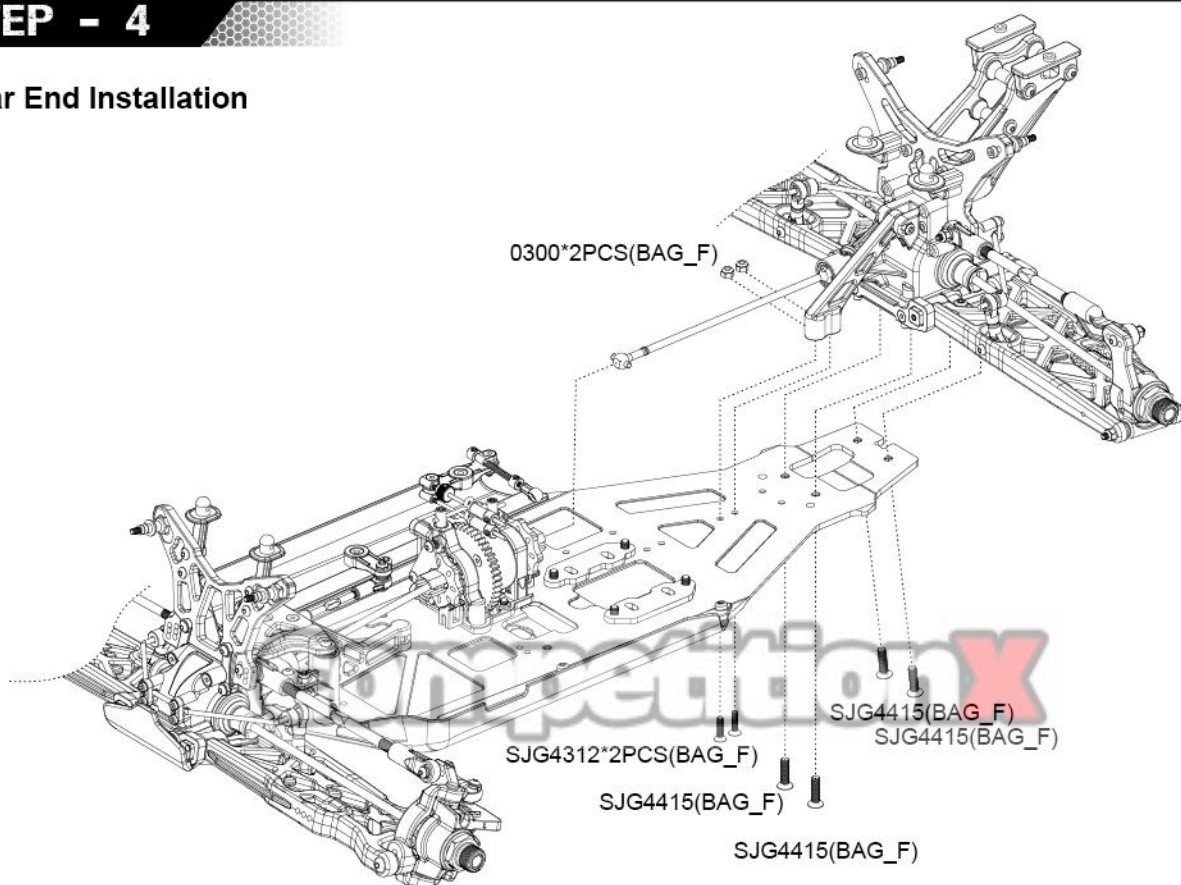
STEP - 3

Front End Installation



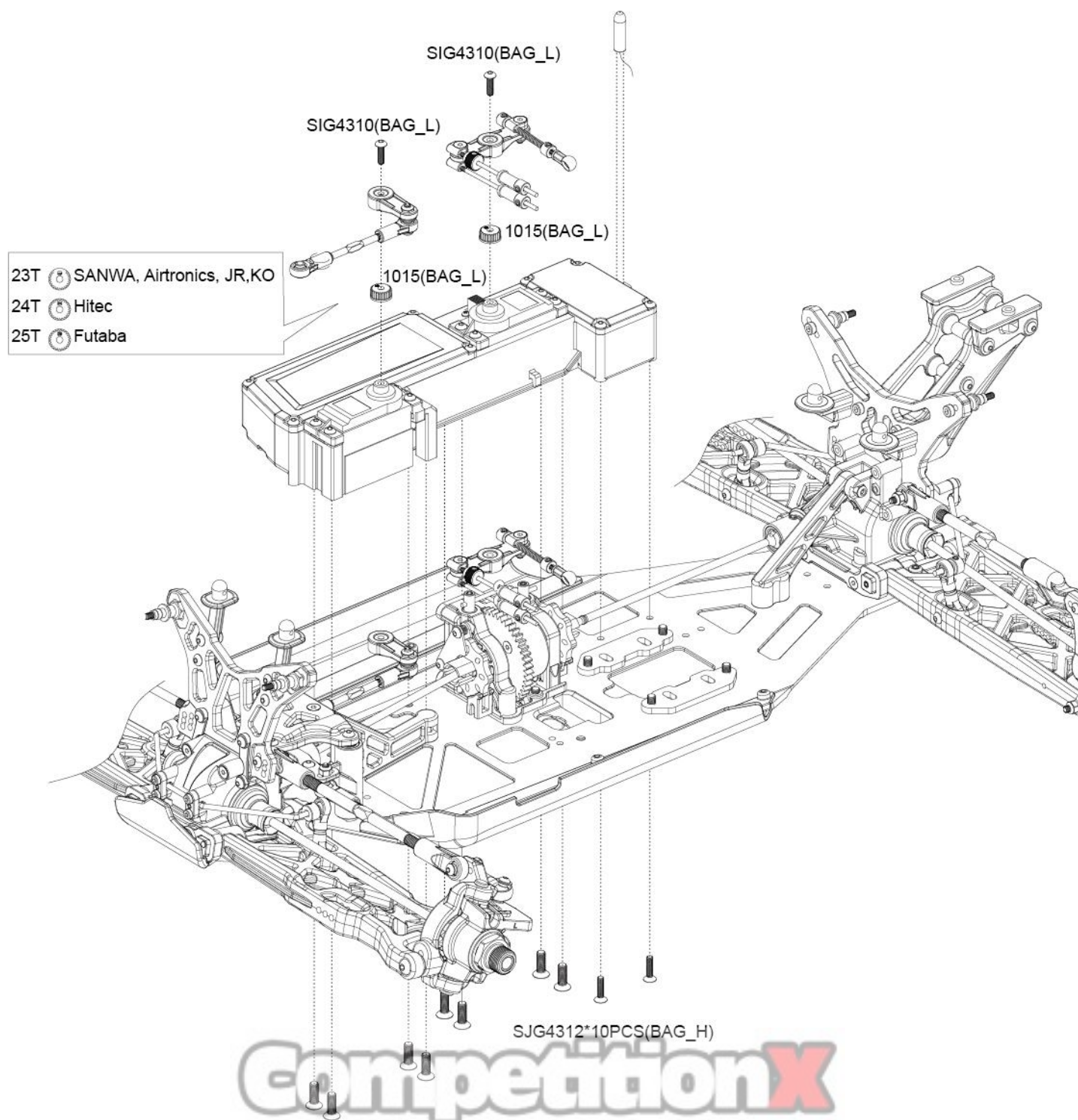
STEP - 4

Rear End Installation



STEP - 5

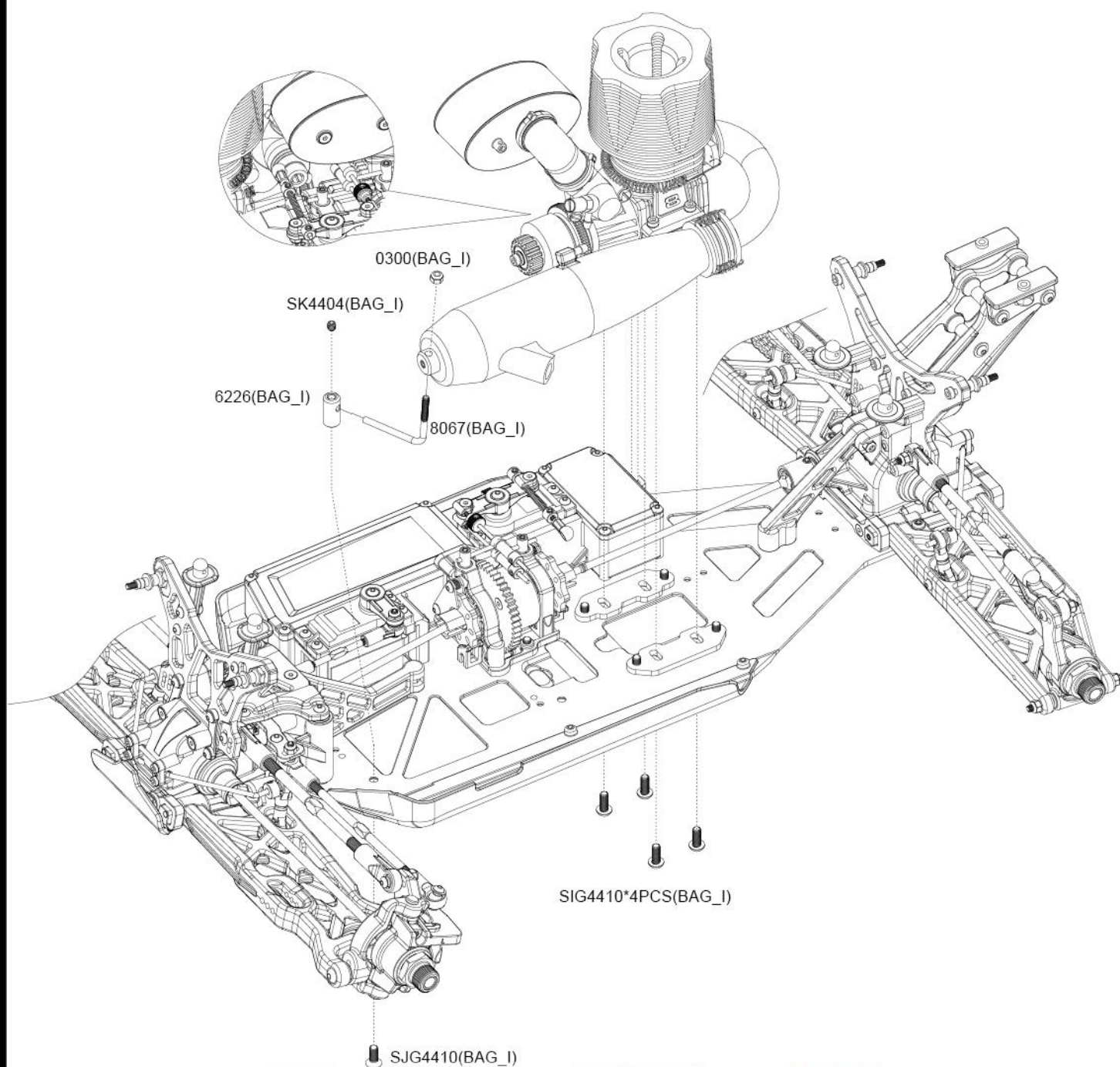
Radio Tray Install



CHASSIS INSTALL **A215T**

STEP - 6

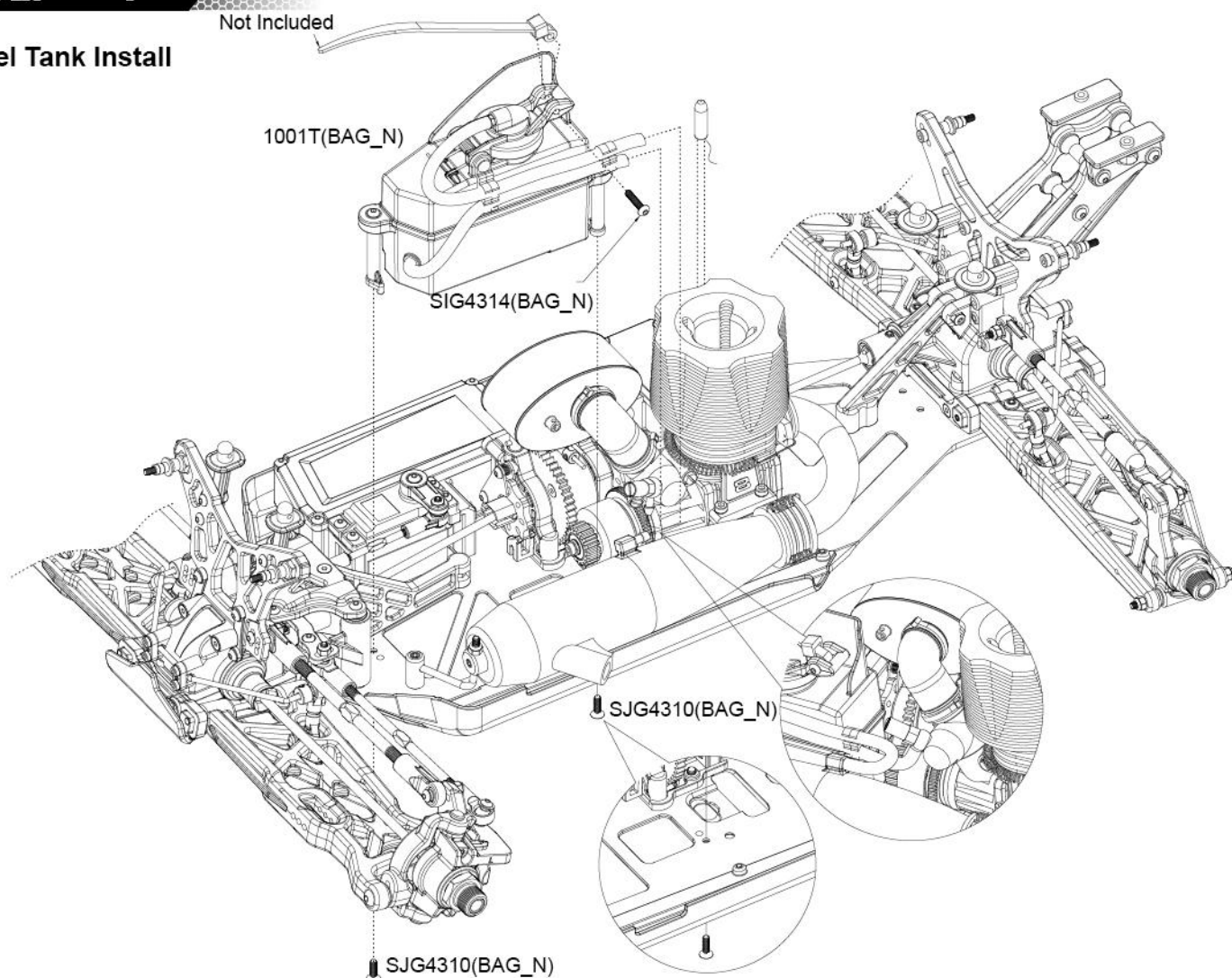
Engine Set Install



CompetitionX

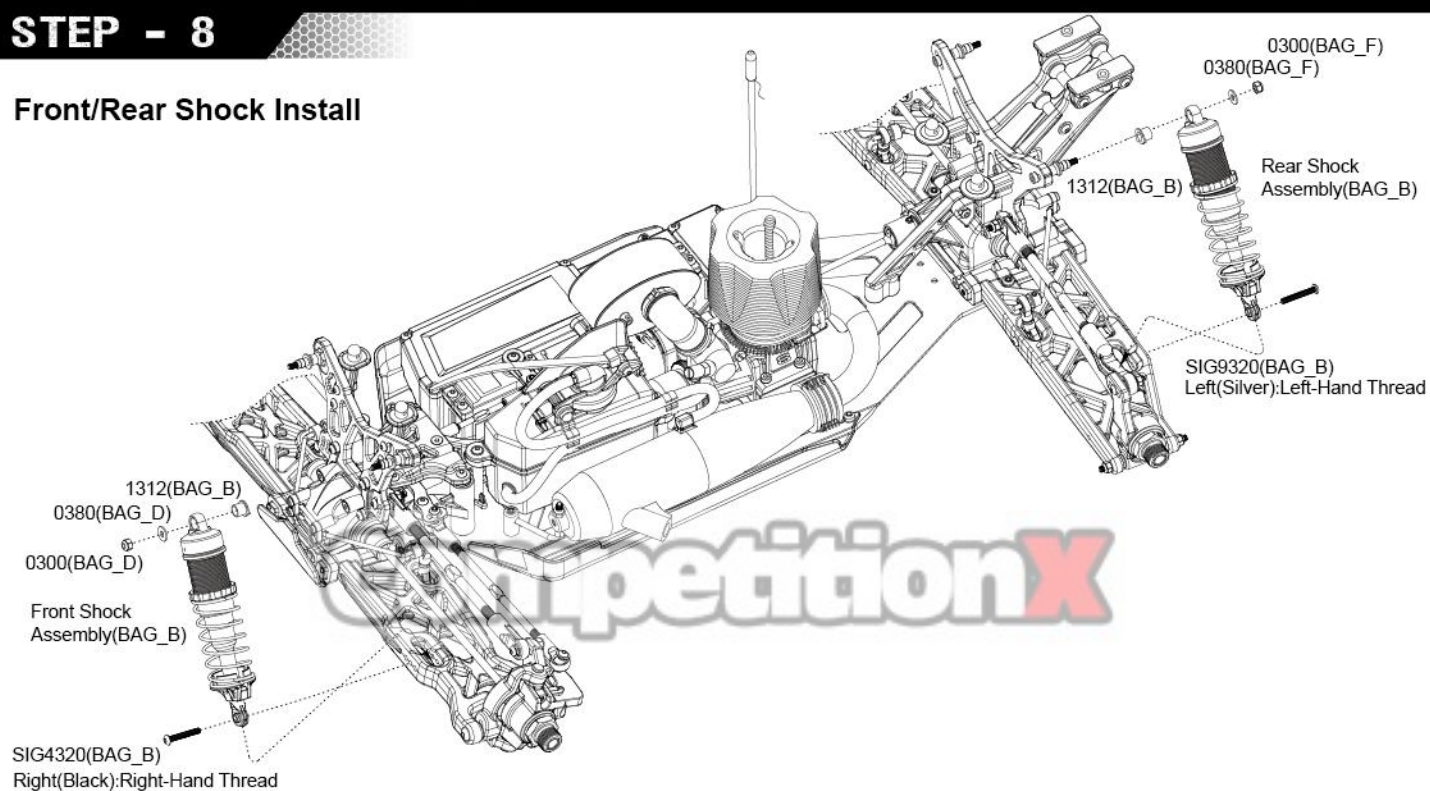
STEP - 7

Fuel Tank Install



STEP - 8

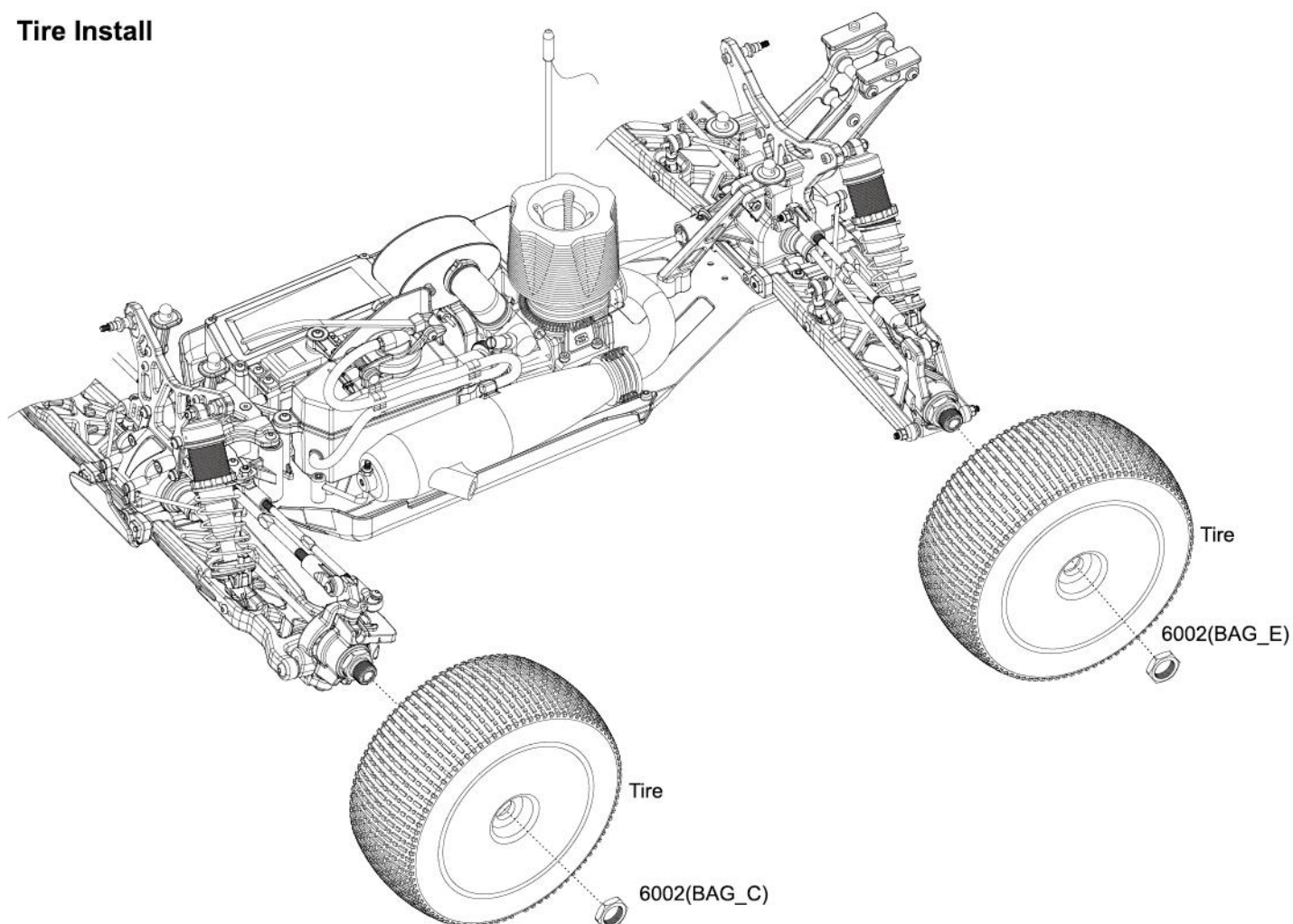
Front/Rear Shock Install



CHASSIS INSTALL **A215T**

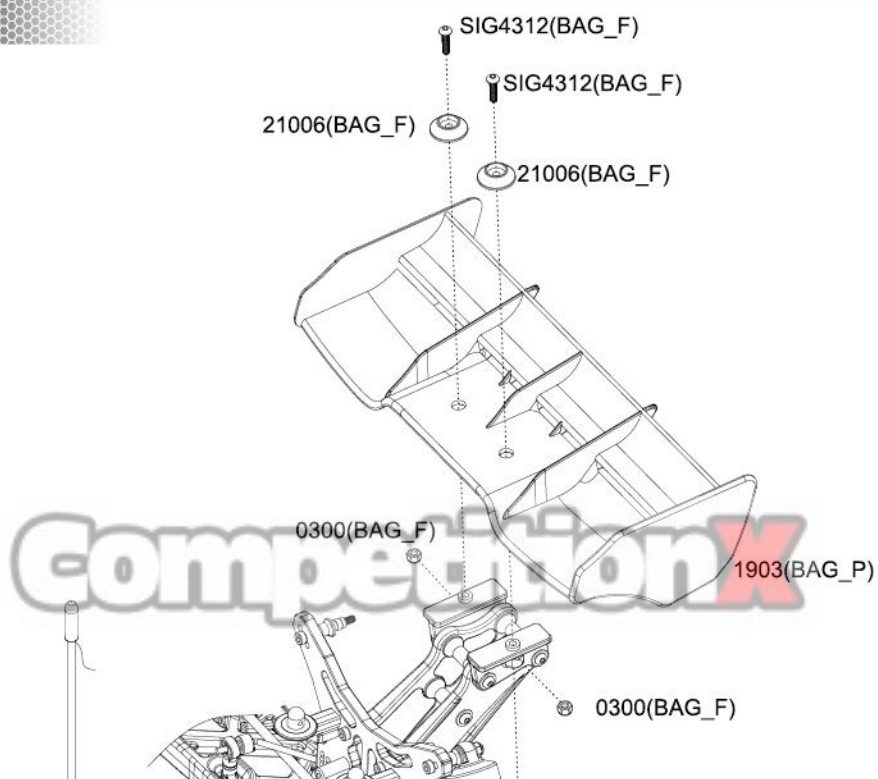
STEP - 9

Tire Install



STEP - 10

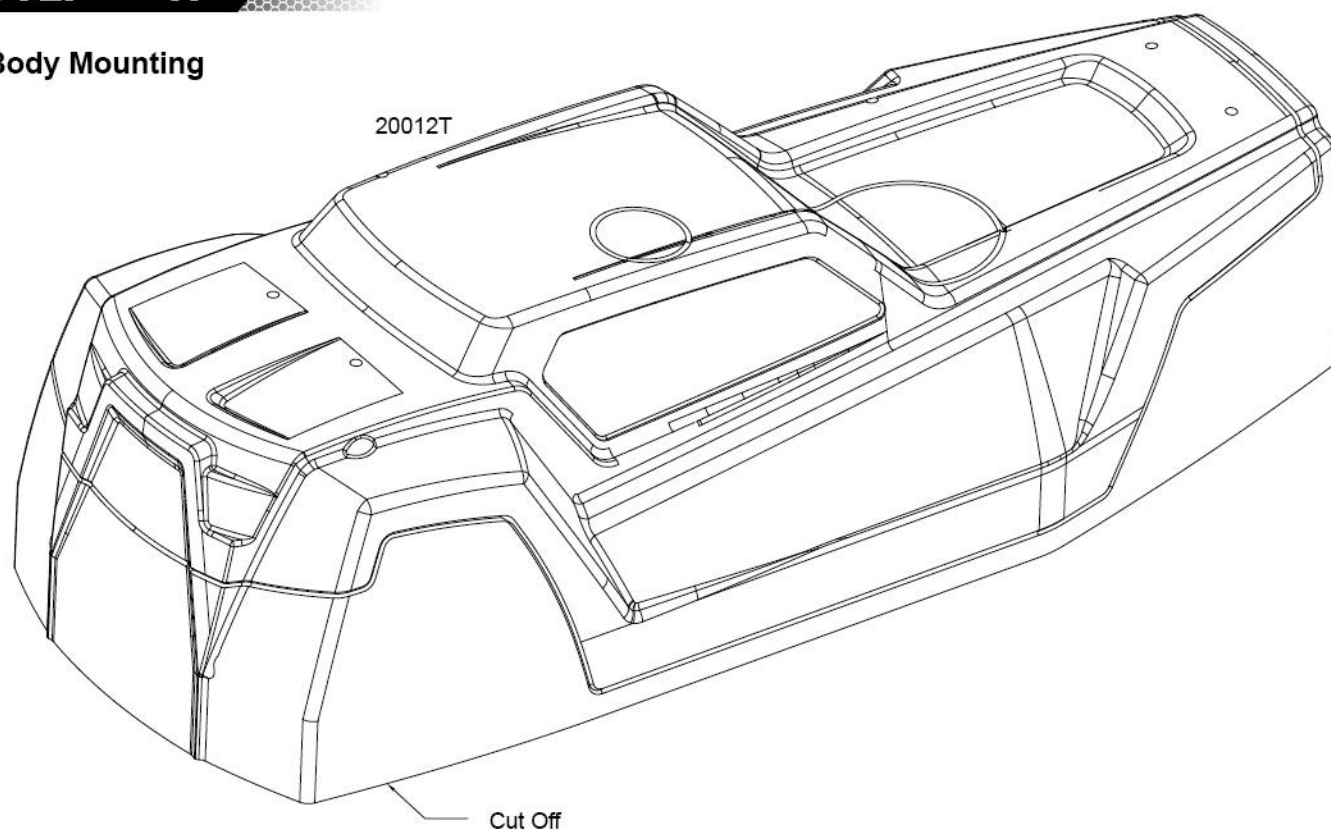
Wing Install



CHASSIS INSTALL **A215T**

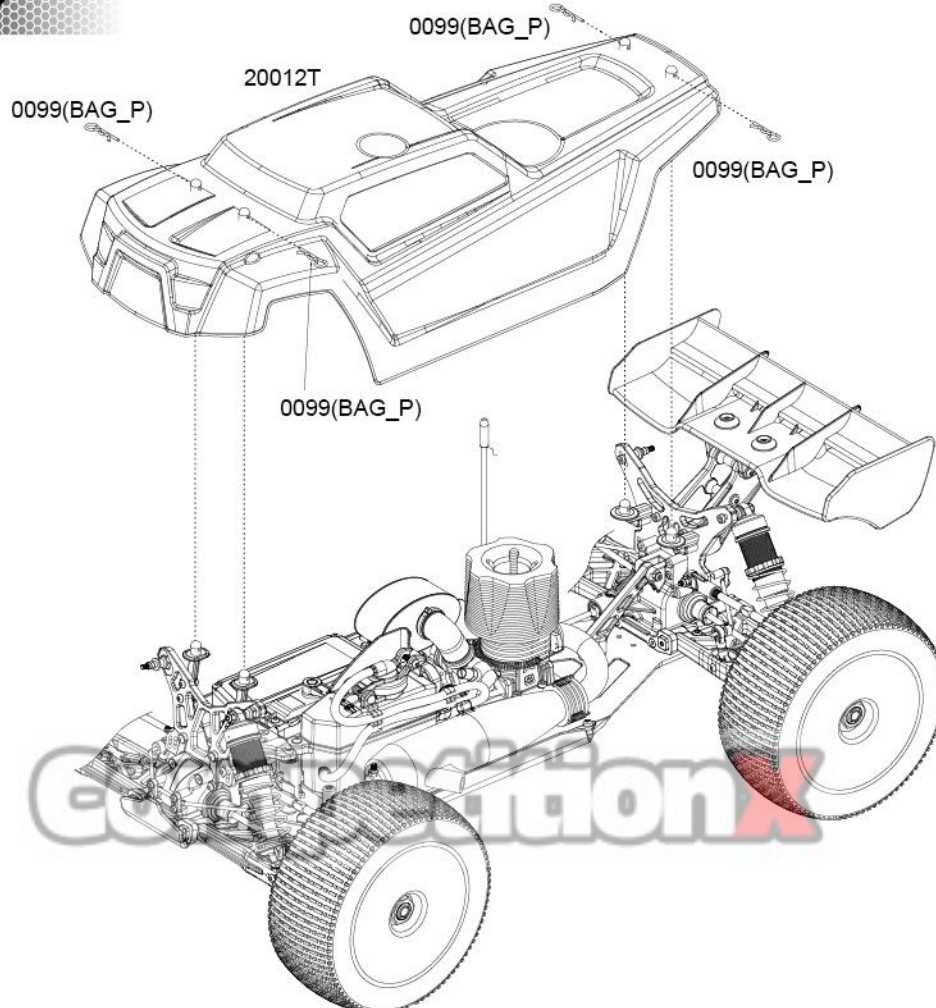
STEP - 11

Body Mounting



STEP - 12

Body Mounting



TRACK CONDITIONS

☐ Indoor ☐ Tight ☐ Smooth ☐ Hard Packed ☐ Blue Groove
☐ Wet ☐ Low Bite ☐ High Bite ☒ Outdoor ☐ Open ☐ Rough ☐ Loose/Loamy
☐ Dry ☐ Dusty ☒ Wed Bite ☐ Other

ENGINE

Gasket

mm Plug

Muffler

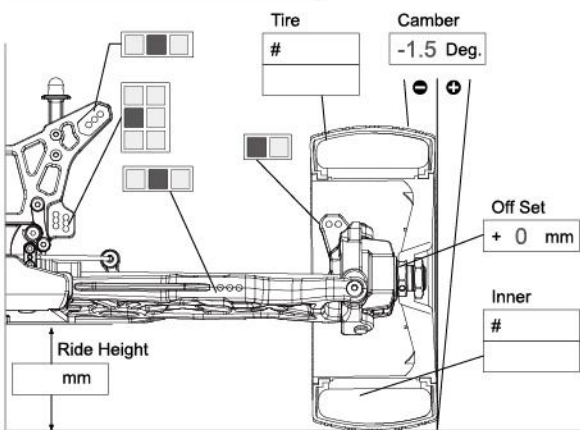
Fuel

Clutch bell ☒ 13T ☐ 14T ☐ 15T ☐ Other T

DIFF Front 7000 Oil # Center 7000 Oil # Rear 3000 Oil #

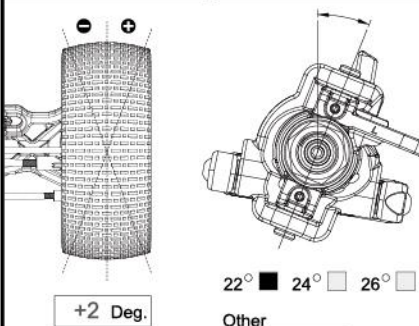
43 T x 10 T Spur gear 49 T 43 T x 10 T

FRONT SUSPENSION



FRONT TOE ANGLE

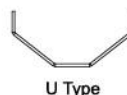
CASTER ANGLE



ANTI ROLL BAR

FRONT

#8019 U Type 1.9mm
 #8021 U Type 2.1mm
 #8022 U Type 2.2mm
 #8023 U Type 2.3mm
 #8024 U Type 2.4mm
 #8025 U Type 2.5mm
 others



KICK UP

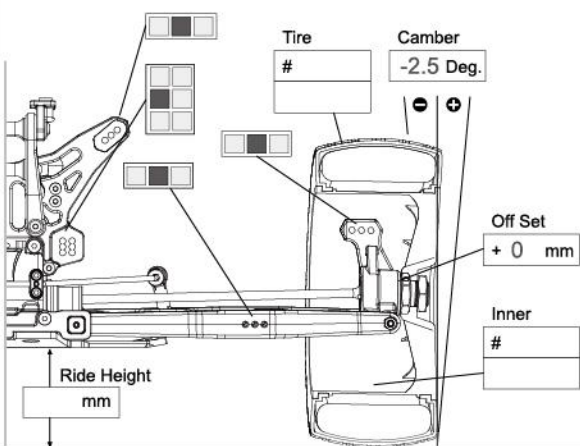


ANTI SQUAT

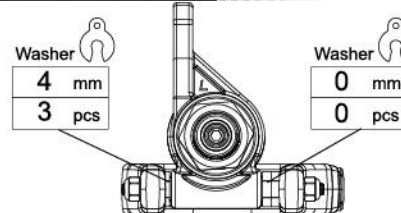
TOE ANGLE



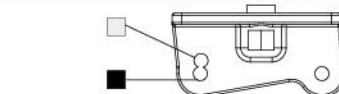
REAR SUSPENSION



WHEEL BASE



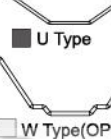
WING POSITION



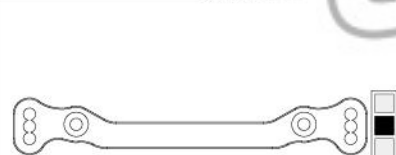
ANTI ROLL BAR

REAR

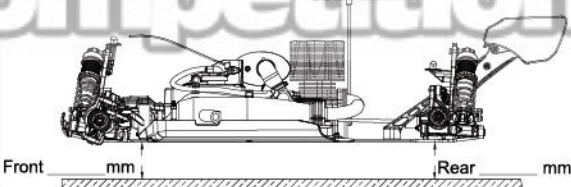
#8322 U Type 2.2mm
 #8323 U Type 2.3mm
 #8324 U Type 2.4mm
 #8325 U Type 2.5mm
 #8326 W Type 2.6mm
 #8328 W Type 2.8mm
 #8330 W Type 3.0mm
 others 2.8



ACKERMAN



RIDE HEIGHT



WING

FRONT SHOCK

Oil

45

PISTON

#0096-0615

6x1.5mm

#0096-0812

8x1.2mm

#0096-0813

8x1.3mm

others

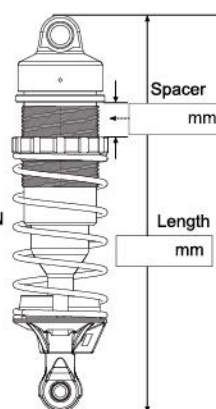
CONE OF PISTON

DOWN

UP

SHOCK SPRINGS

9008



REAR SHOCK

Oil

40

PISTON

#0096-0615

6x1.5mm

#0096-0812

8x1.2mm

#0096-0813

8x1.3mm

others

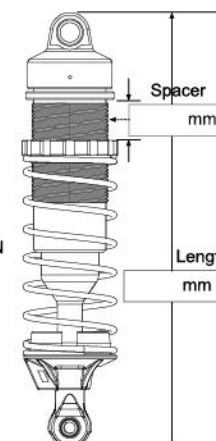
CONE OF PISTON

DOWN

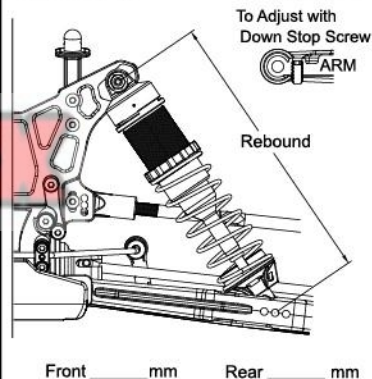
UP

SHOCK SPRINGS

9018



REBOUND



TRACK CONDITIONS

☐ Indoor ☐ Tight ☐ Smooth ☐ Hard Packed ☐ Blue Groove
☐ Wet ☐ Low Bite ☐ High Bite ☐ Outdoor ☐ Open ☐ Rough ☐ Loose/Loamy
☐ Dry ☐ Dusty ☐ Wed Bite ☐ Other

ENGINE

Gasket

mm

Plug

Muffler

Fuel

Clutch bell

☐ 13T

☐ 14T

☐ 15T

☐ Other T

Shoes

☐ 3

☐ 4

Spring

mm

DIFF

Front

Oil #

Center

Oil #

Rear

Oil #

T

x

T

Spur gear

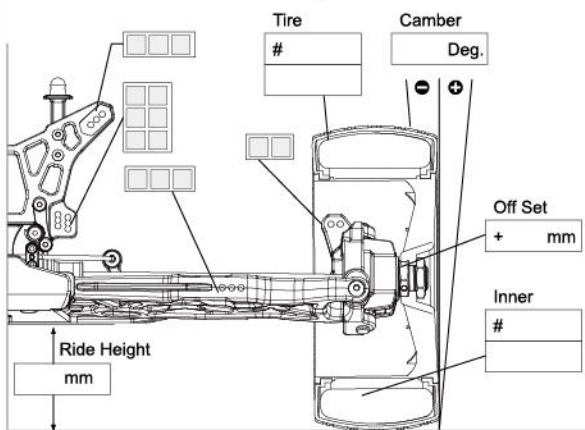
T

T

x

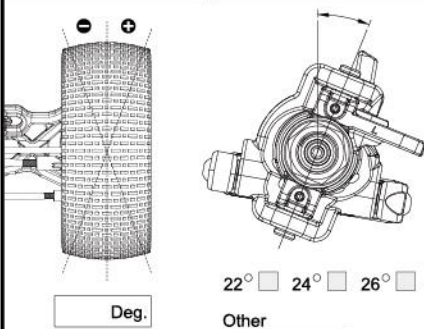
T

FRONT SUSPENSION



FRONT TOE ANGLE

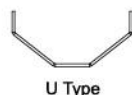
CASTER ANGLE



ANTI ROLL BAR

FRONT

#8019 U Type 1.9mm
 #8021 U Type 2.1mm
 #8022 U Type 2.2mm
 #8023 U Type 2.3mm
 #8024 U Type 2.4mm
 #8025 U Type 2.5mm
 others



KICK UP

FF



FR

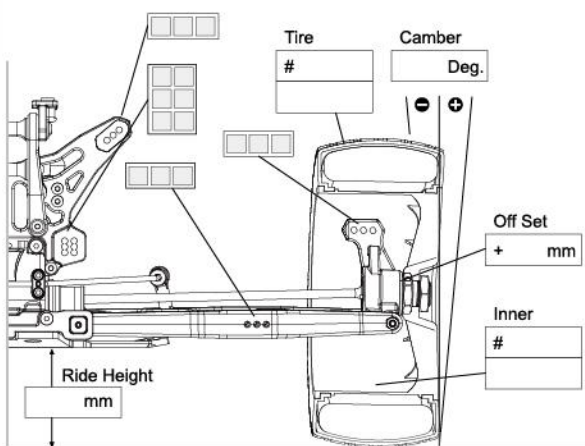


ANTI SQUAT

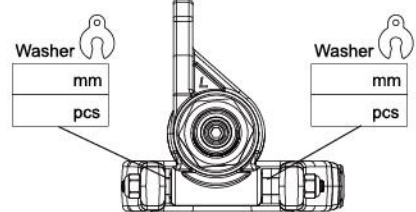
TOE ANGLE



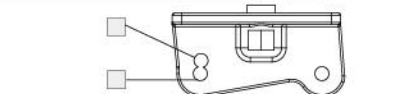
REAR SUSPENSION



WHEEL BASE



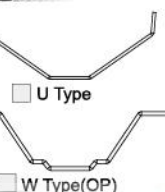
WING POSITION



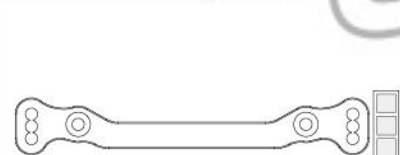
ANTI ROLL BAR

REAR

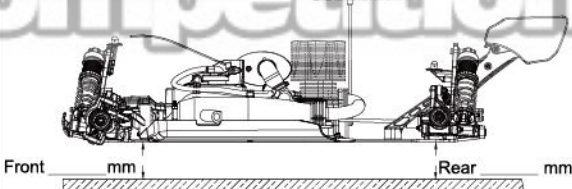
#8322 U Type 2.2mm
 #8323 U Type 2.3mm
 #8324 U Type 2.4mm
 #8325 U Type 2.5mm
 #8326 W Type 2.6mm
 #8328 W Type 2.8mm
 #8330 W Type 3.0mm
 others



ACKERMAN

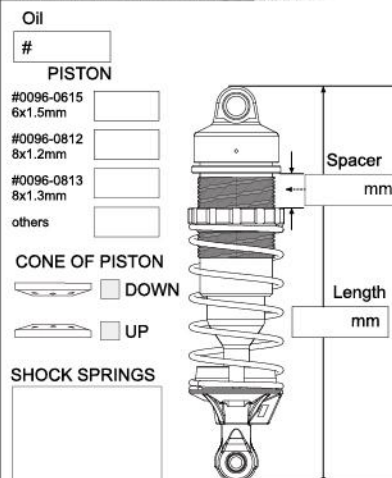


RIDE HEIGHT

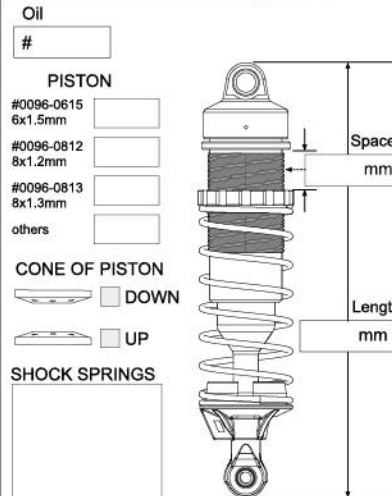


WING

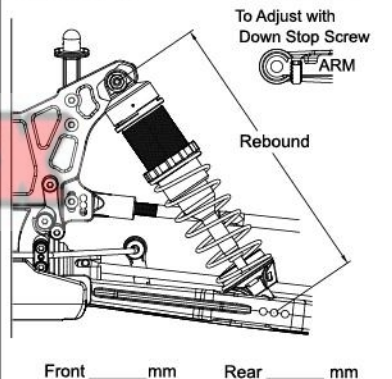
FRONT SHOCK



REAR SHOCK

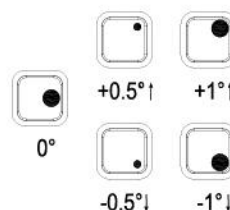
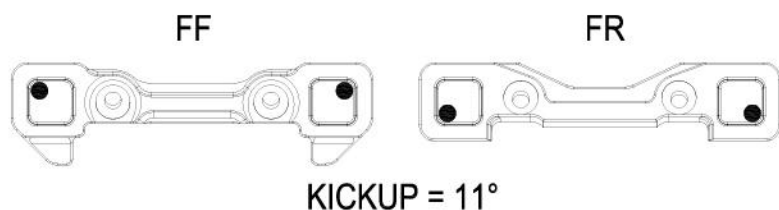


REBOUND

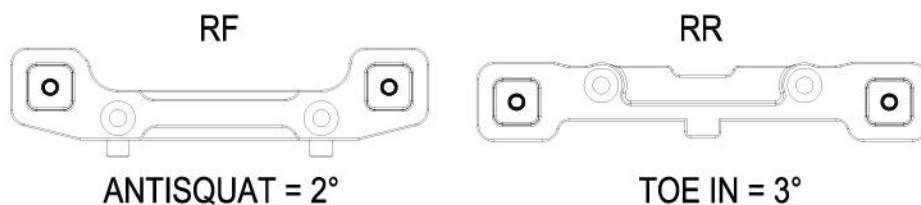


FRONT END

FRONT SUSPENSION KICKUP INSERTS CHART

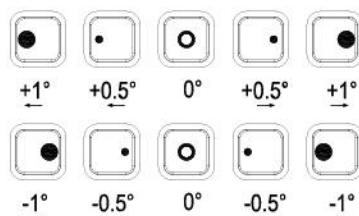
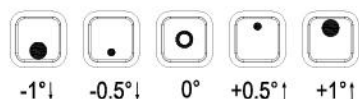


REAR END



REAR ANTISQUAT INSERTS CHART

REAR TOE IN INSERTS CHART



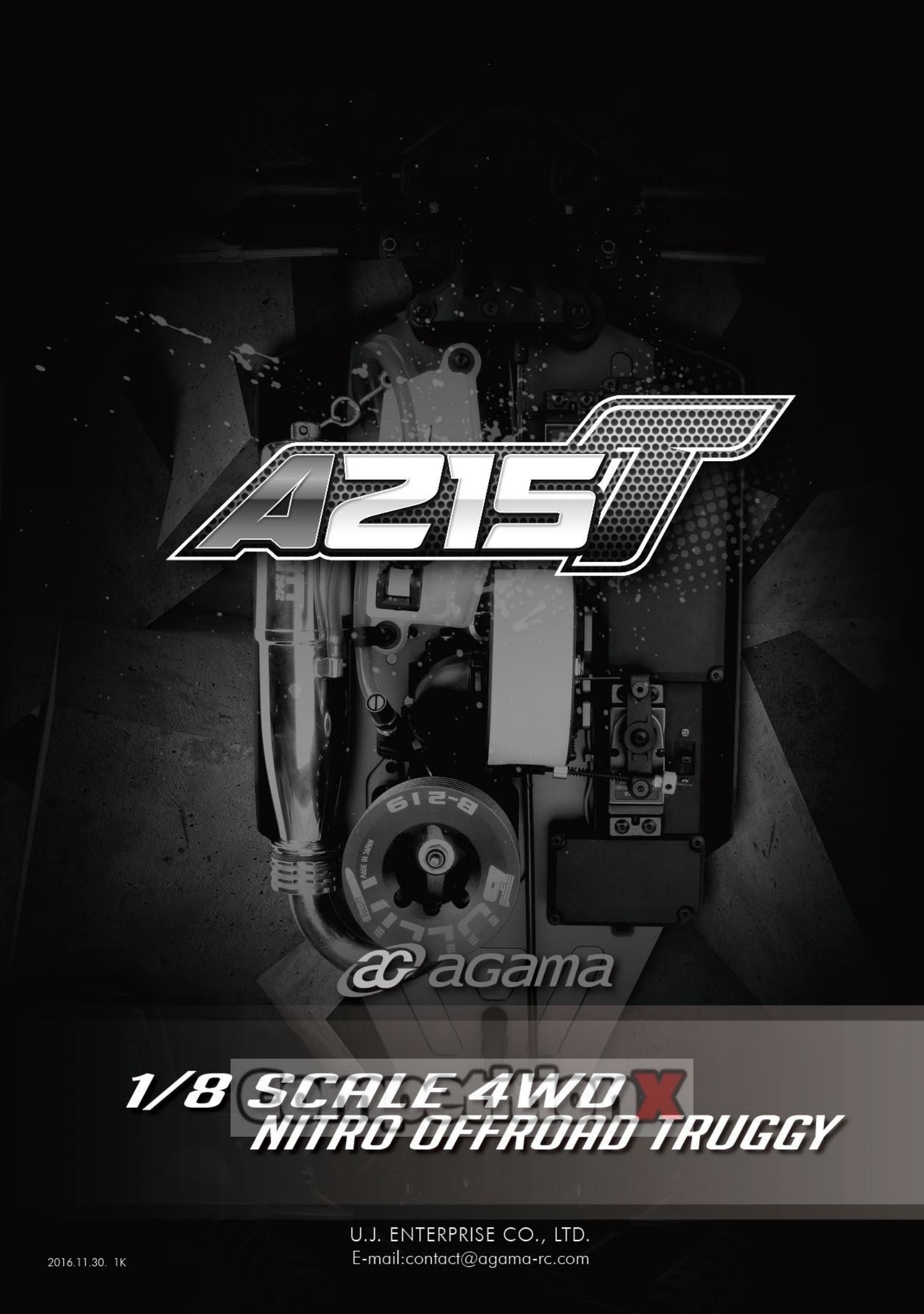
OTHER SETTING EXAMPOLES

FF FR KICKUP = 10° KICKUP = 9.5° KICKUP = 9°	RF RR ANTISQUAT = 2° TOE IN = 4° ANTISQUAT = 3° TOE IN = 3.5° ANTISQUAT = 1.5° TOE IN = 2.5°
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MEMO

AZIST

CompetitionX



A215

 agama

**1/8 SCALE 4WD X
NITRO OFFROAD TRUGGY**

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E-mail: contact@agama-rc.com