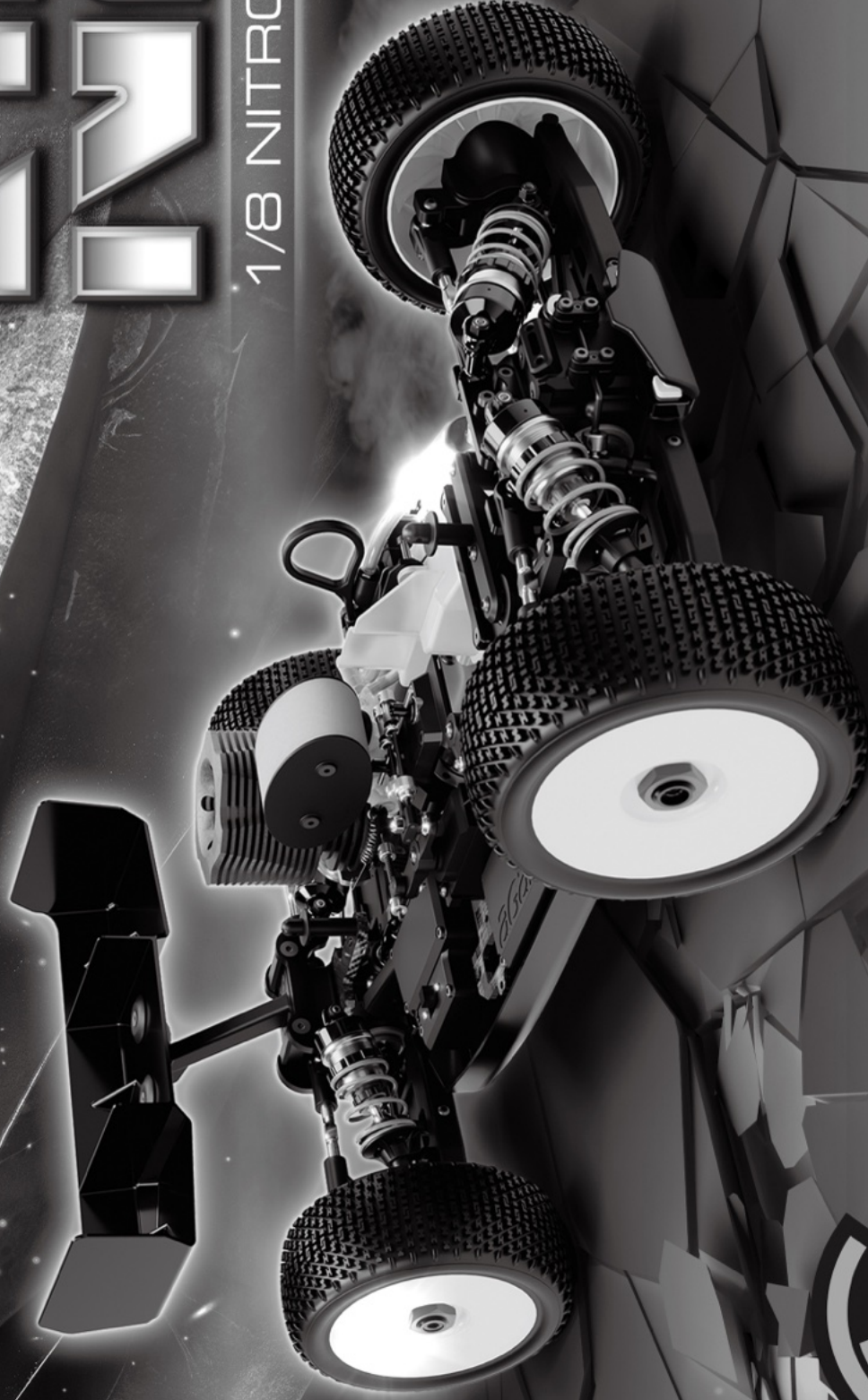


GEN V PRO KIT

1/8

1/8 NITRO BUGGY



Agama

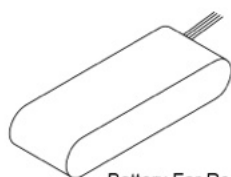
Instruction Manual

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.

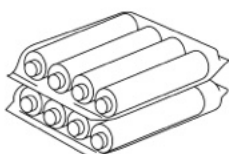
INTRODUCTION	01
CAUTION	02
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Rear Diff Installation	04
Center Diff Installation	05
BAG B Shock Install (Front & Rear)	06-07
BAG C Front Spindle & CVD Installation	08
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BAG F Rear End Installation	13-15
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Clutch Bell Assembly	19-21
Engine Mount Assembly	
BAG J Servo Saver Installation	
Steering Servo Link Assembly	
Steering Post & Front Chassis Support Assembly	22-23
Steering Saver & Front Chassis Brace Assembly	
Completed Steering Assembly	
BAG K Chassis Guard Installation	24
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Completed Throttle/Brake Assembly	25
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CHASSIS INSTALLATION	27-33

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.

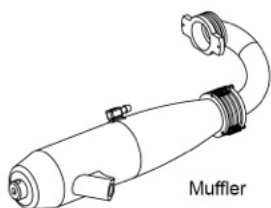
ADDITIONAL ITEMS NEEDED FOR COMPLETION



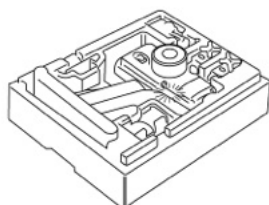
Battery For Receiver
68x37x20mm



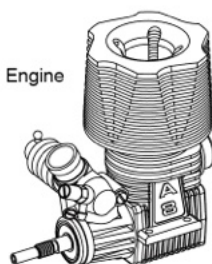
Battery For Transmitter



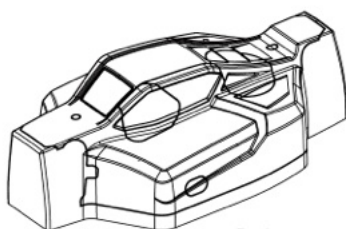
Muffler



2 Channel Radio



Engine

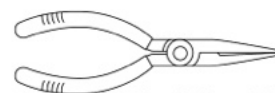


Body

TOOLS NEEDED TO ASSEMBLE



Hex Wrenches



Needle Nose Pliers



Phillips Type Screw Driver



Scissors



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



Hobby Knife



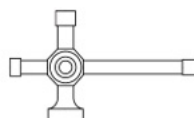
Instant Glue



Pliers



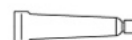
Thread Locker



Utility Wrench



Glass or Vinyl Tape



Rubber Glue

ADDITIONAL ITEMS NEEDED FOR STARTING



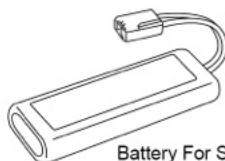
Air Filter Oil



Fuel bottle



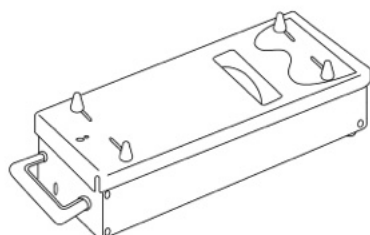
Fuel



Battery For Starter Box

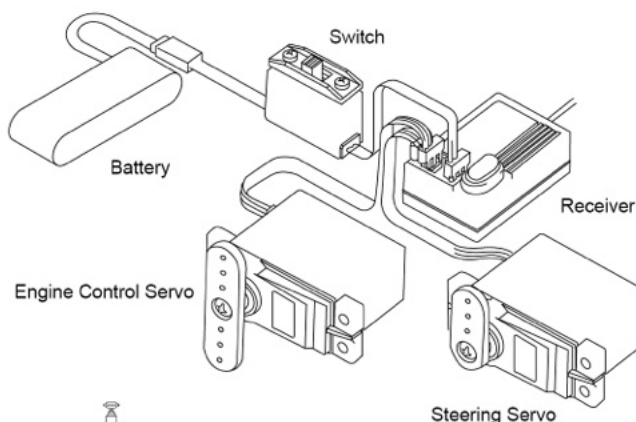


Glow Plug Ignitor



Starter Box

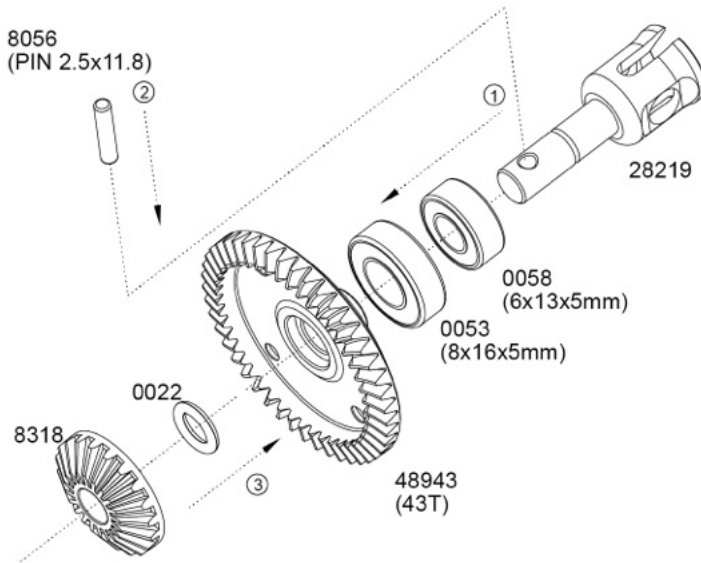
ITEMS NEEDED TO CONTROL CAR



Transmitter

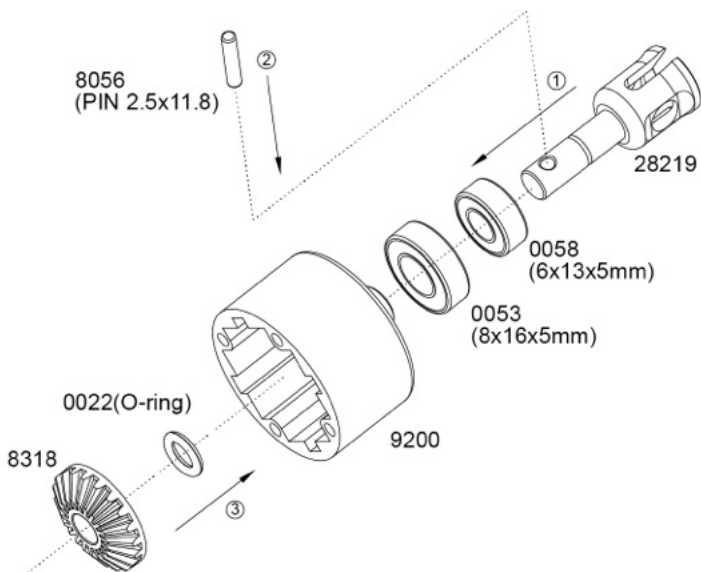
STEP A - 1

Front Diff Ring Gear Assembly



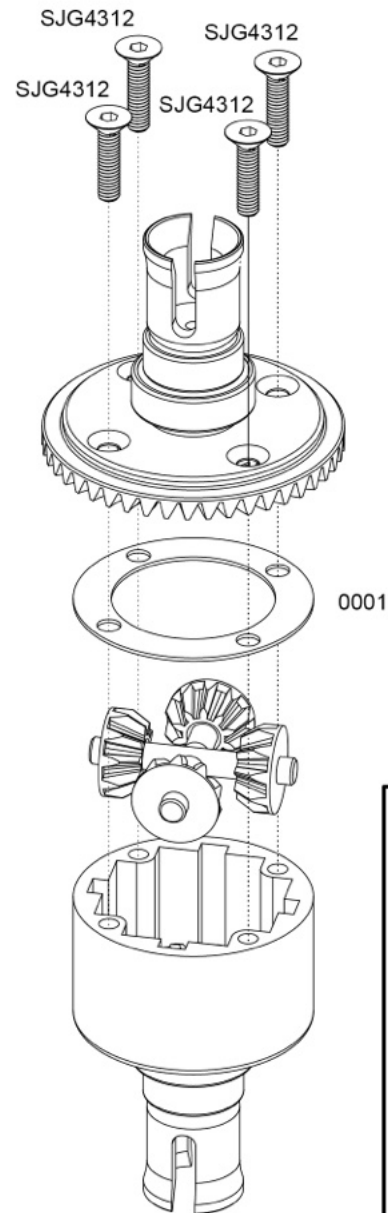
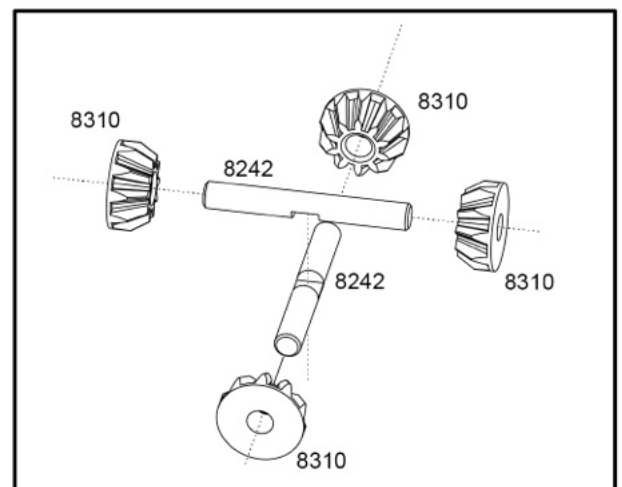
STEP A - 2

Front Diff Case Assembly



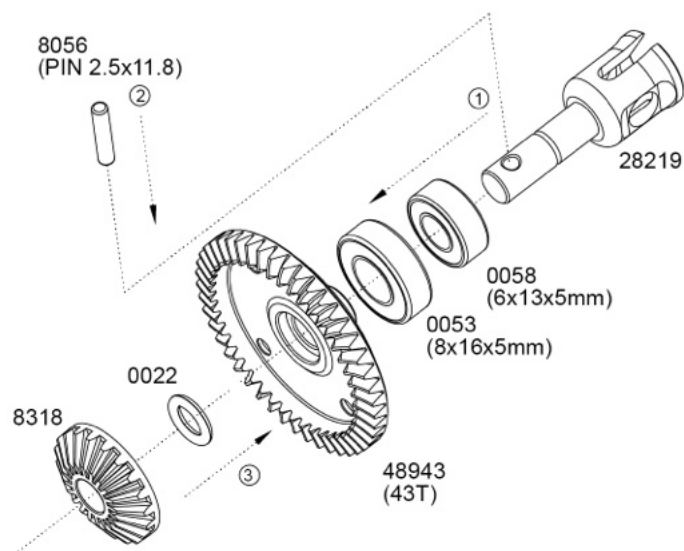
STEP A - 3

Complete Front Diff Assembly



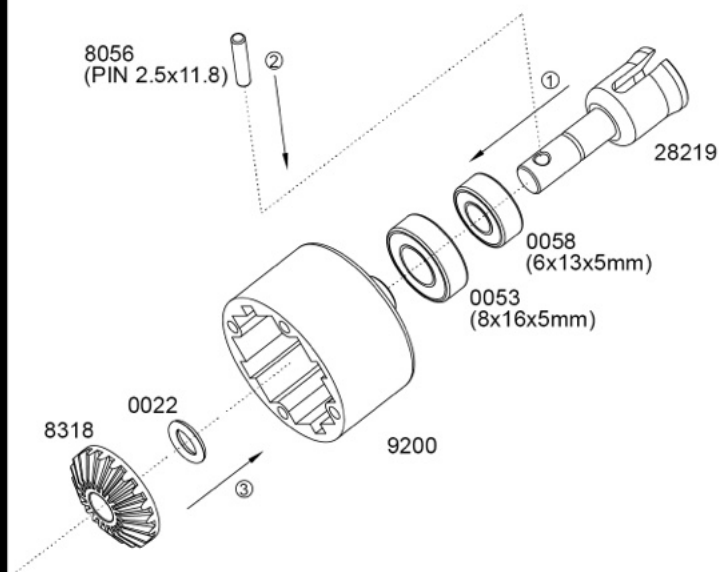
STEP A - 4

Rear Diff Ring Gear Assembly



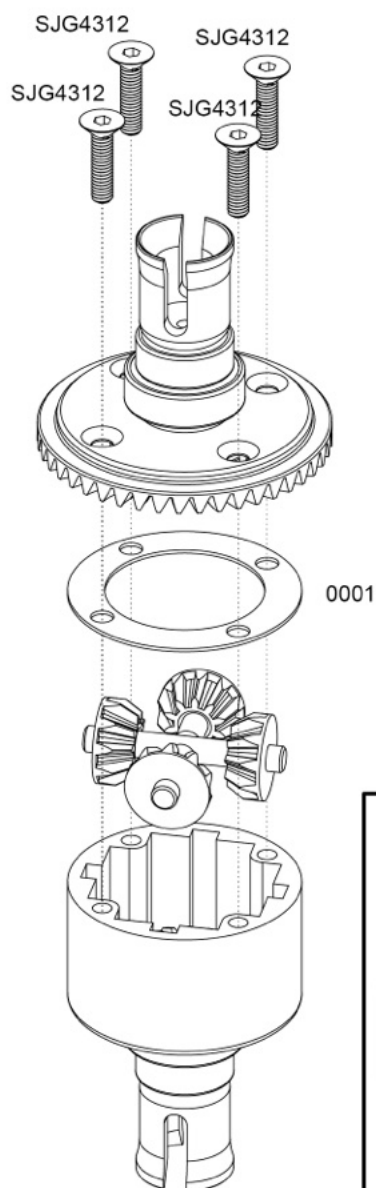
STEP A - 5

Rear Diff Case Assembly

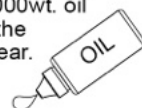
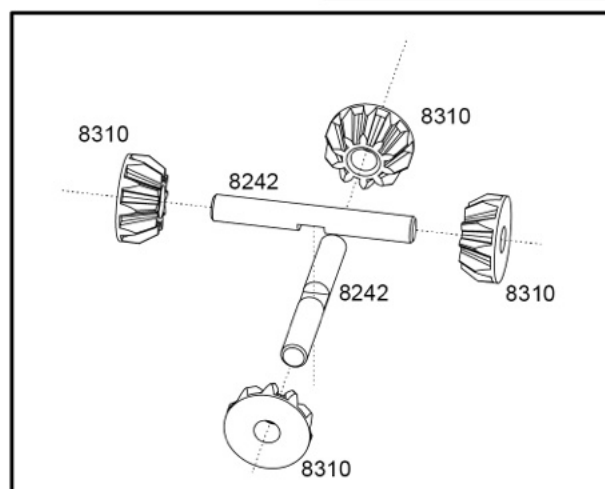


STEP A - 6

Complete Rear Diff Assembly

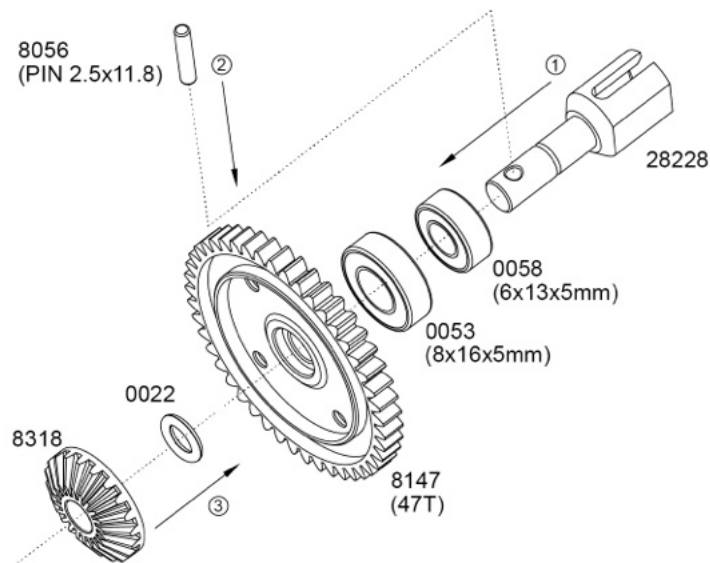


Fill with 10000wt. oil
just above the
planetary gear.



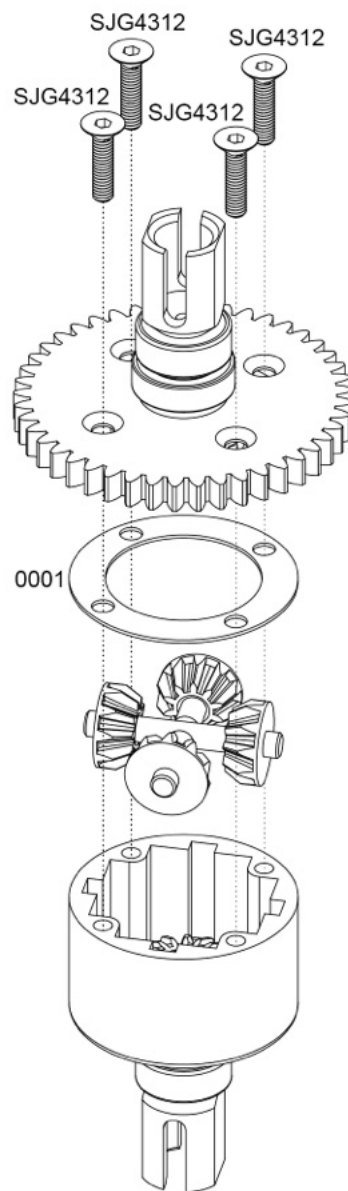
STEP A - 7

Center Diff Ring Gear Assembly



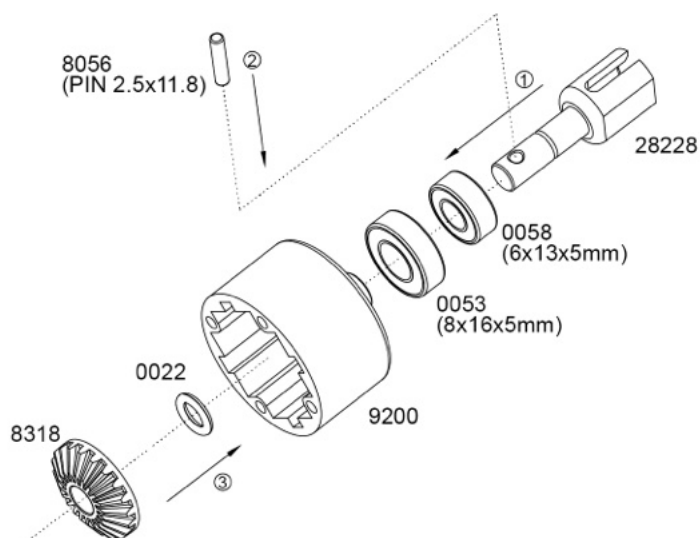
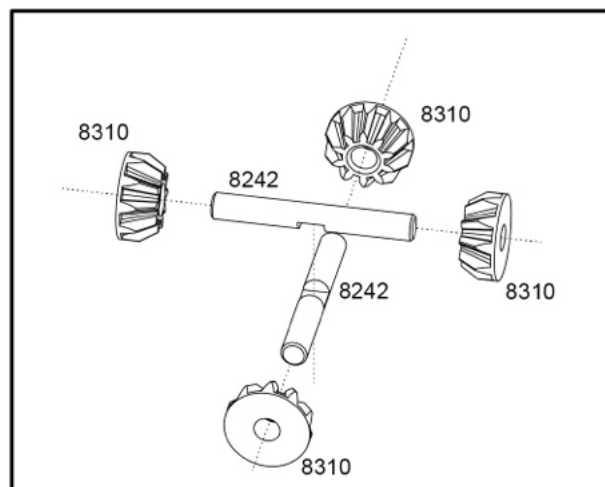
STEP A - 9

Complete Center Diff Assembly



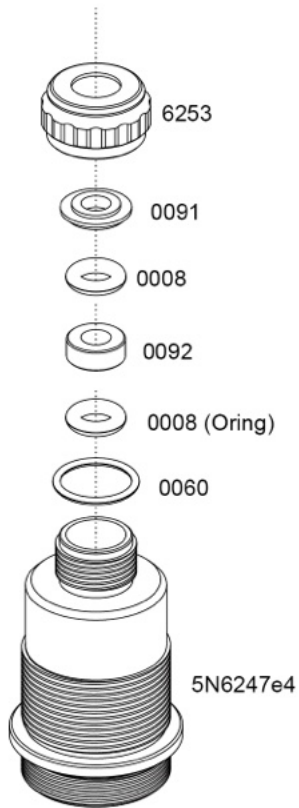
STEP A - 8

Center Diff Case Assembly



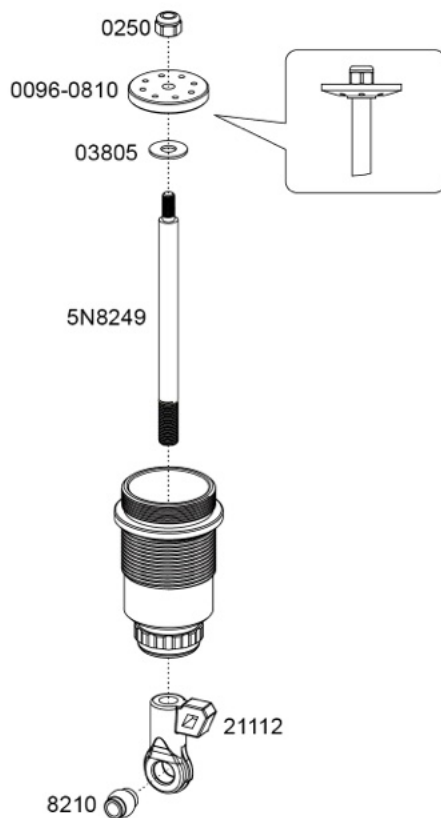
STEP B - 1

Shock Assembly (Front/Rear x 4sets)



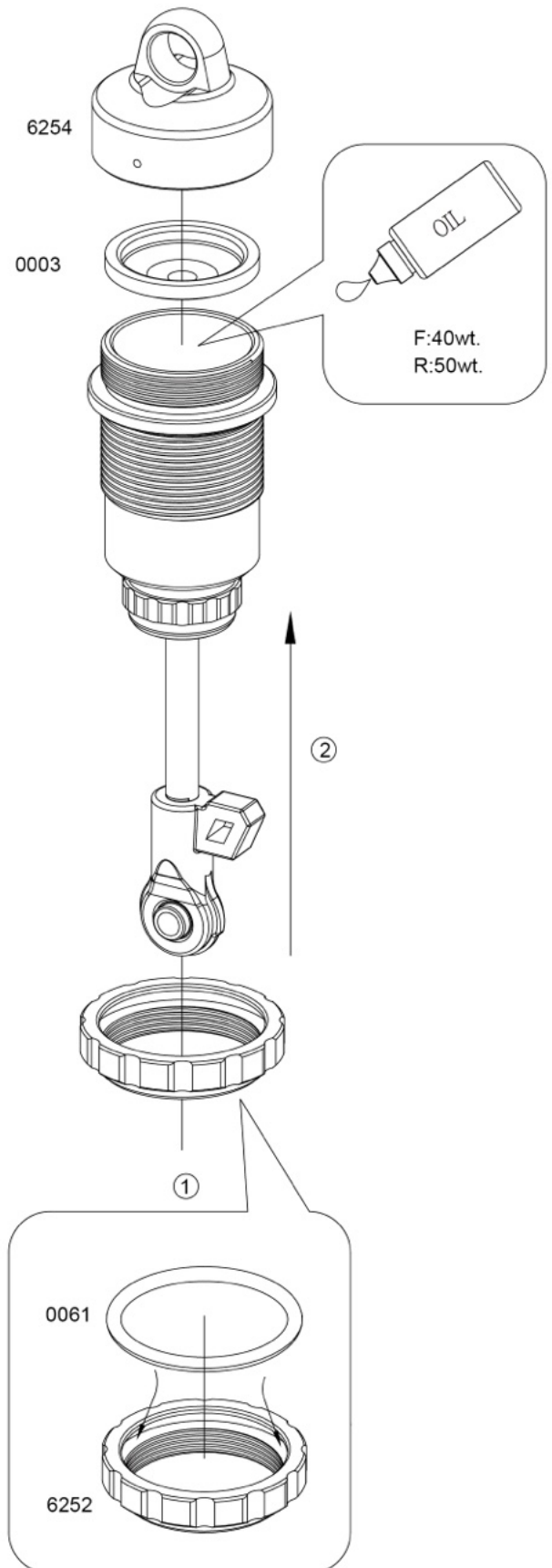
STEP B - 2

Shock Assembly (Front/Rear x 4sets)



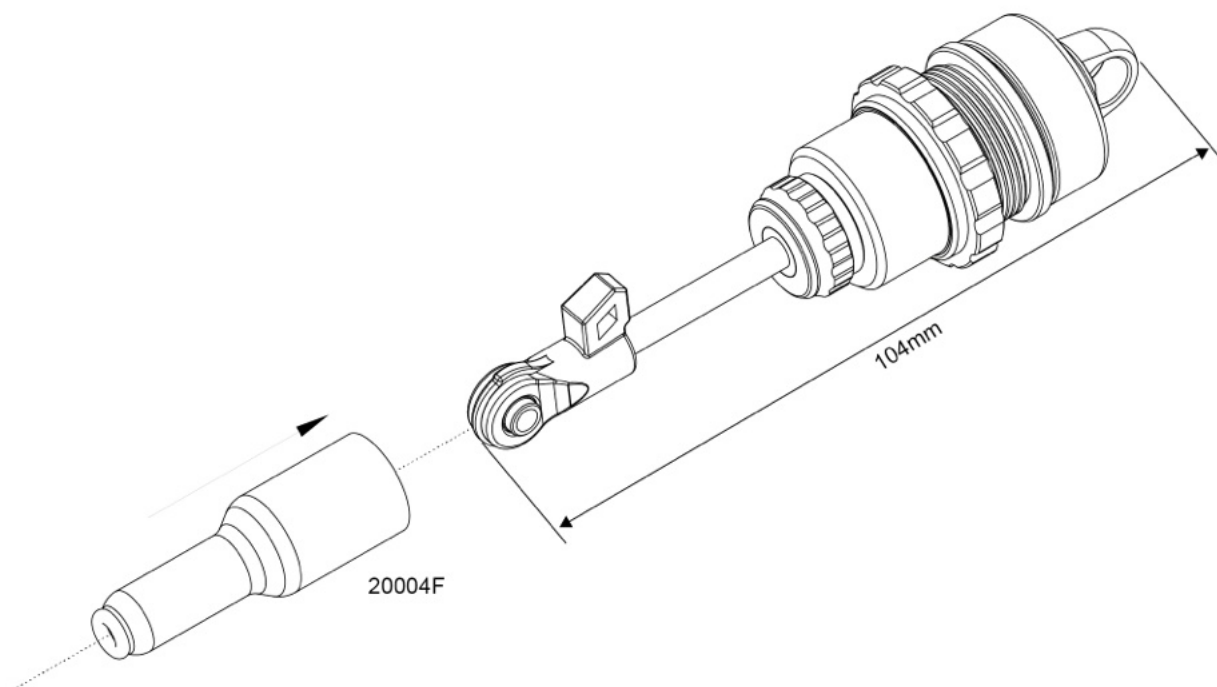
STEP B - 3

Shock Assembly (Front/Rear x 4sets)



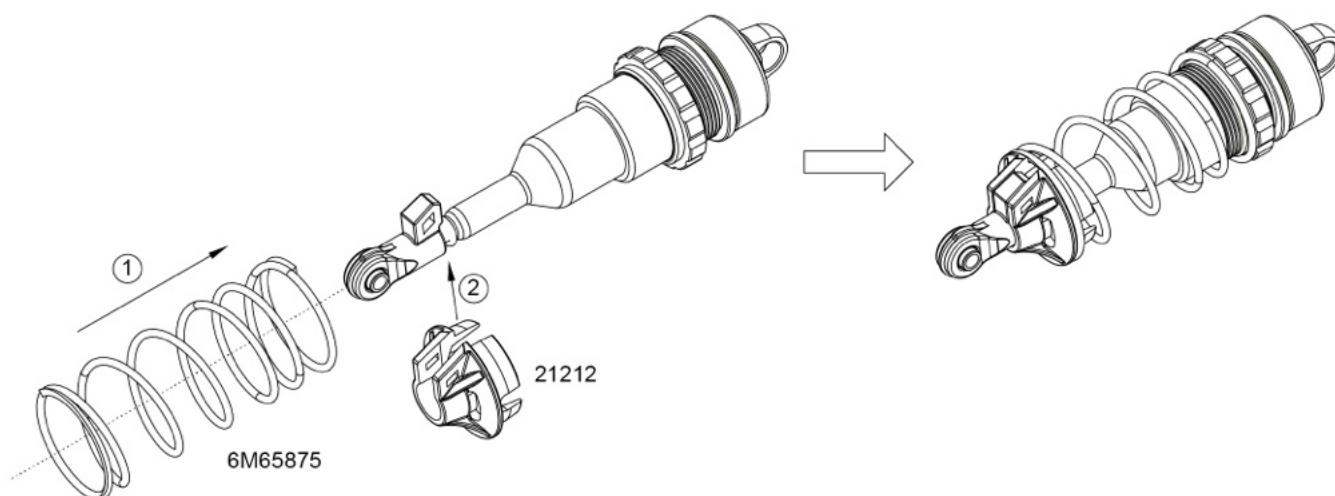
STEP B - 4

Shock Assembly (Front/Rear x 4sets)



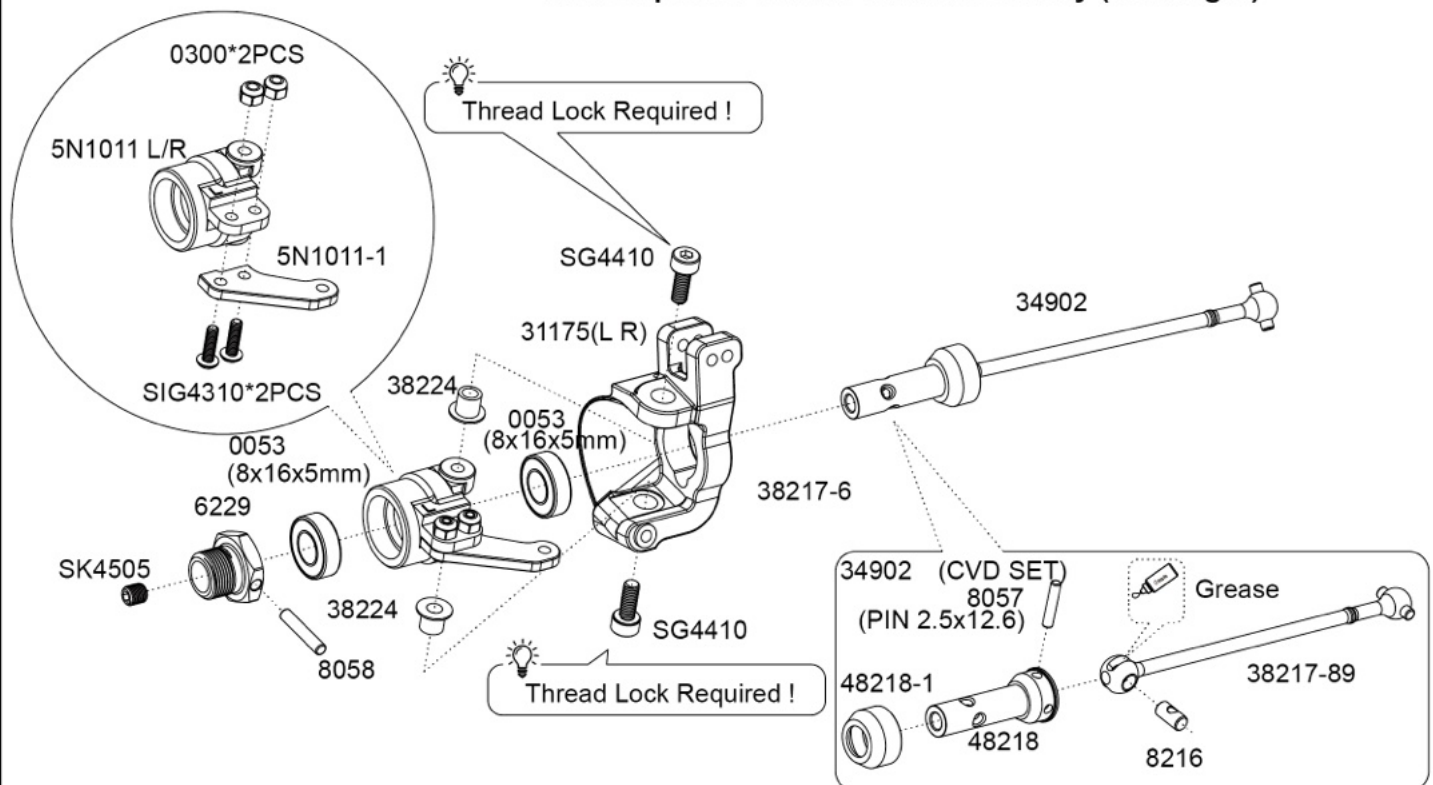
STEP B - 5

Shock Assembly (Front/Rear x 4sets)



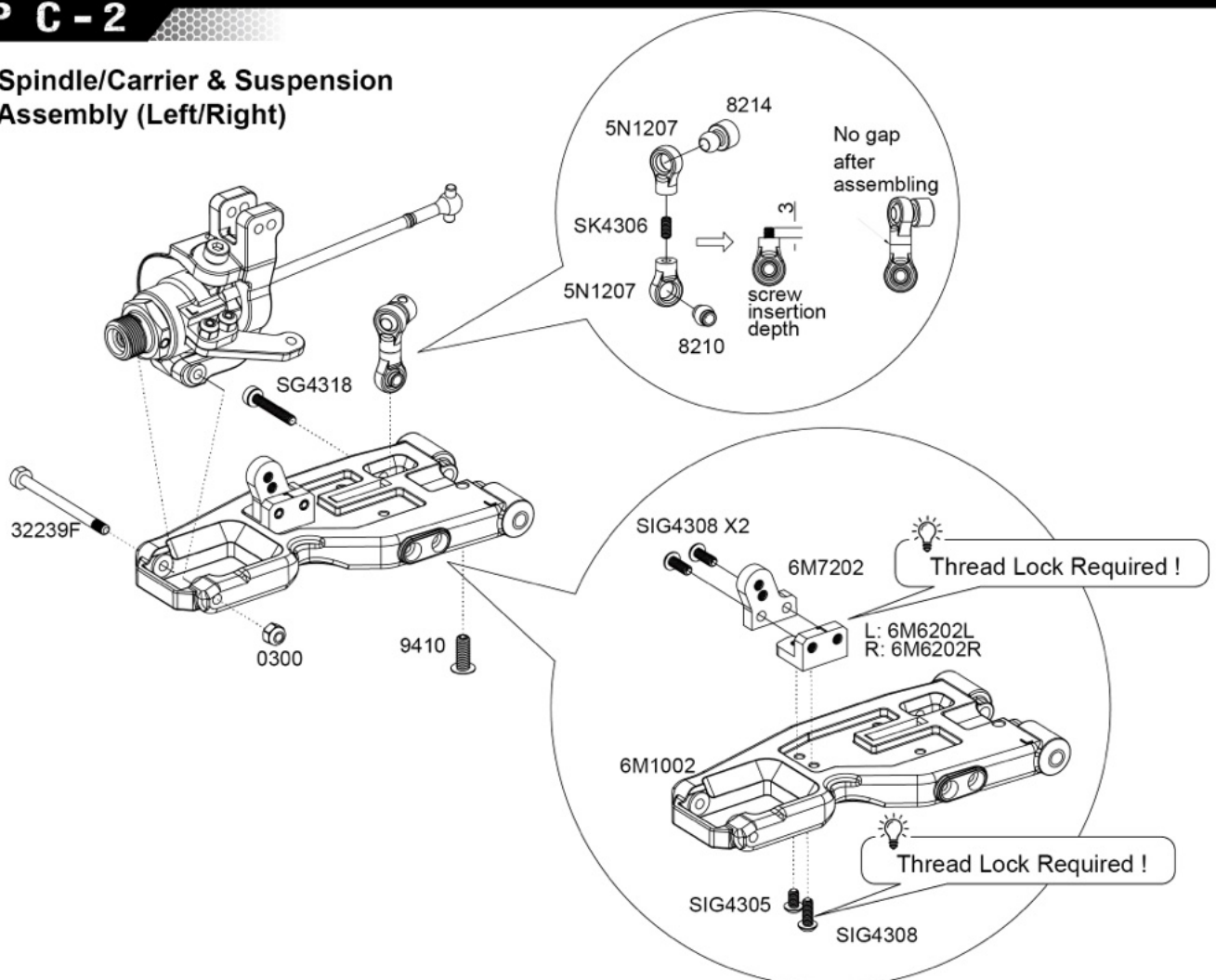
STEP C - 1

Front Spindle & Drive Shaft Assembly (Left/Right)



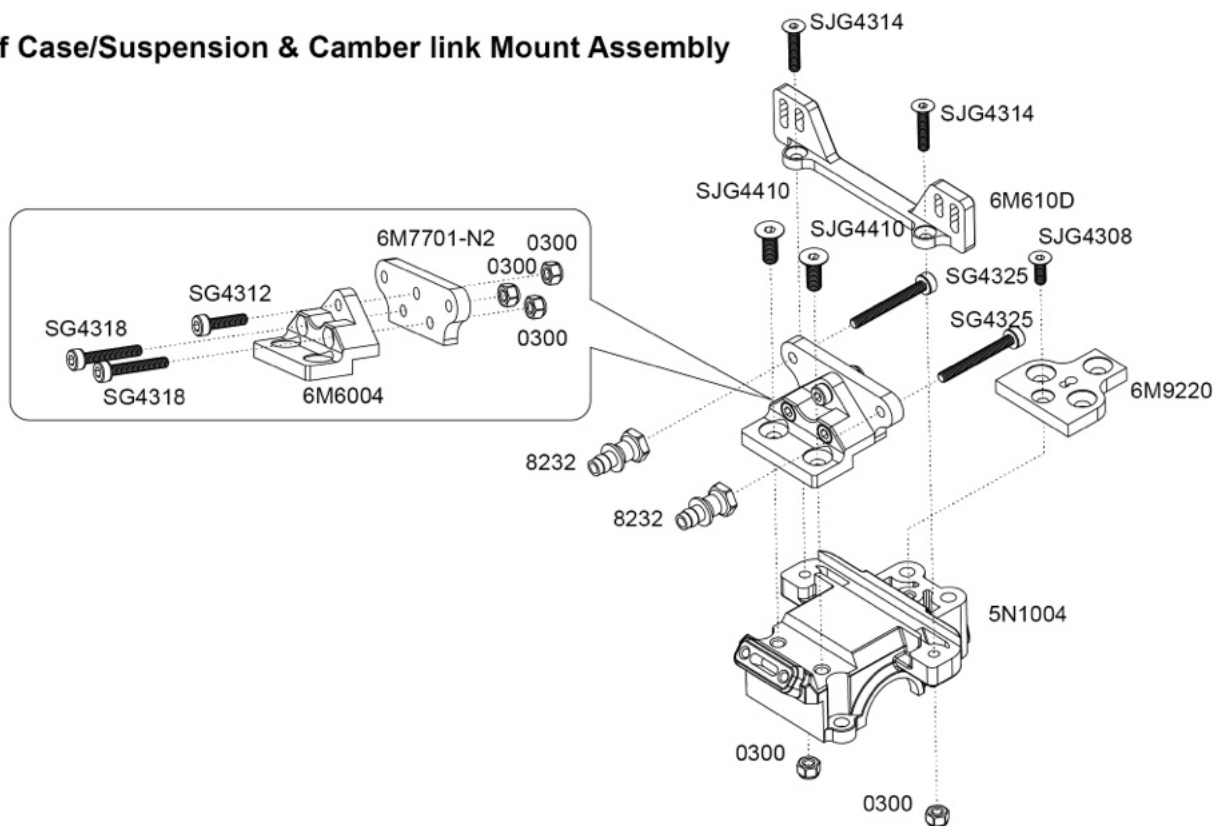
STEP C - 2

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



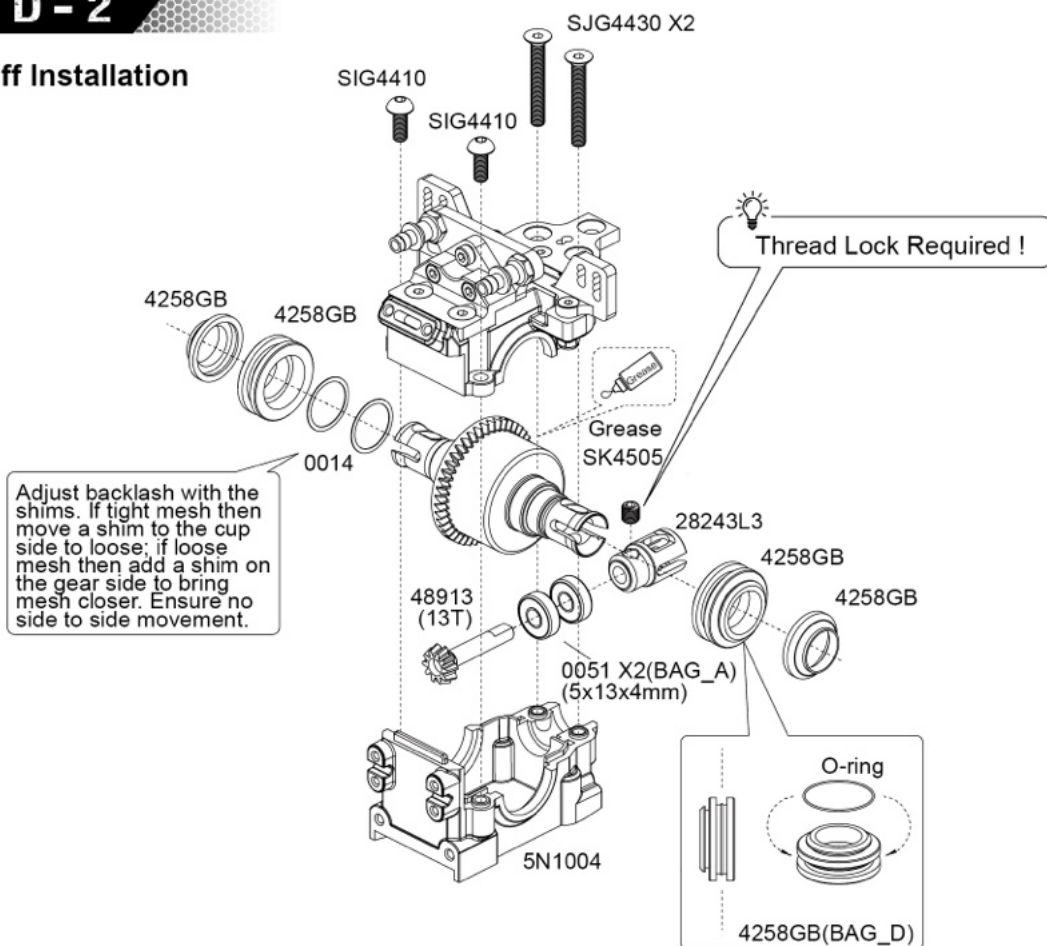
STEP D - 1

Front Diff Case/Suspension & Camber link Mount Assembly



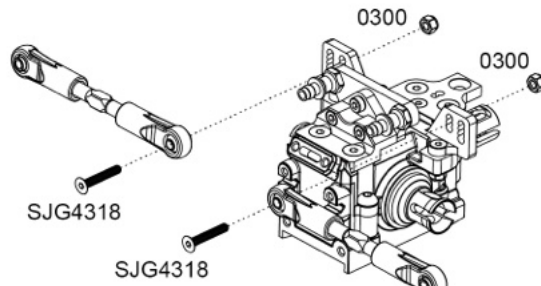
STEP D - 2

Front Diff Installation



STEP D - 3

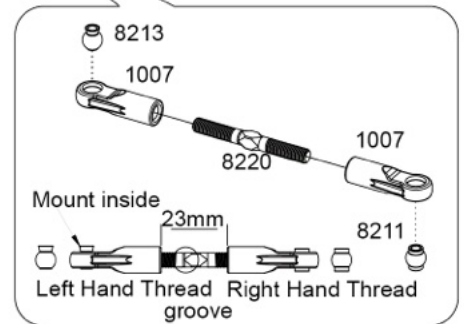
Front Camber Link Installation



Please follow the orientation

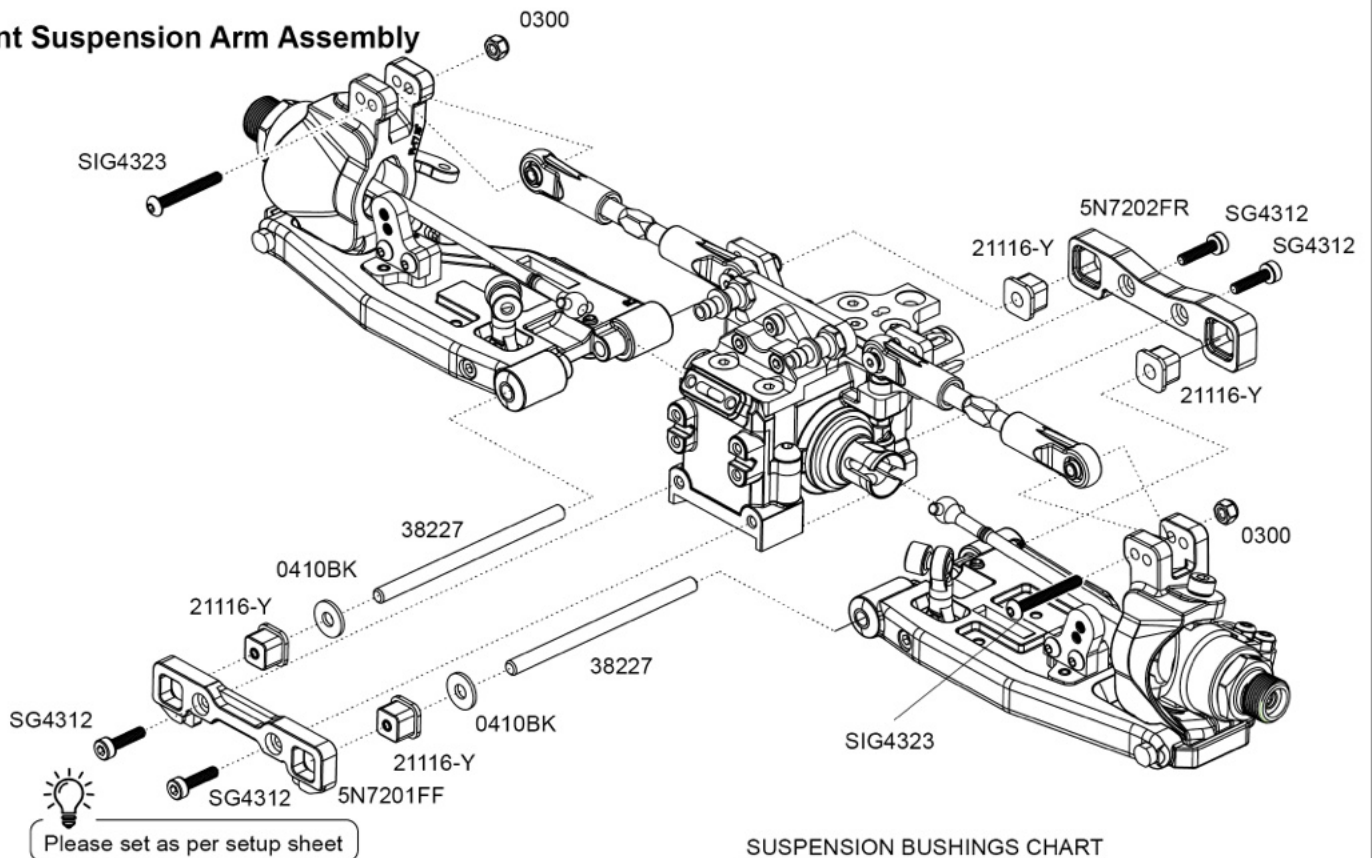


Top perspective



STEP D - 4

Front Suspension Arm Assembly



SUSPENSION BUSHINGS CHART

INITIAL SETUP

FF(5N7201)

FR(5N7202)



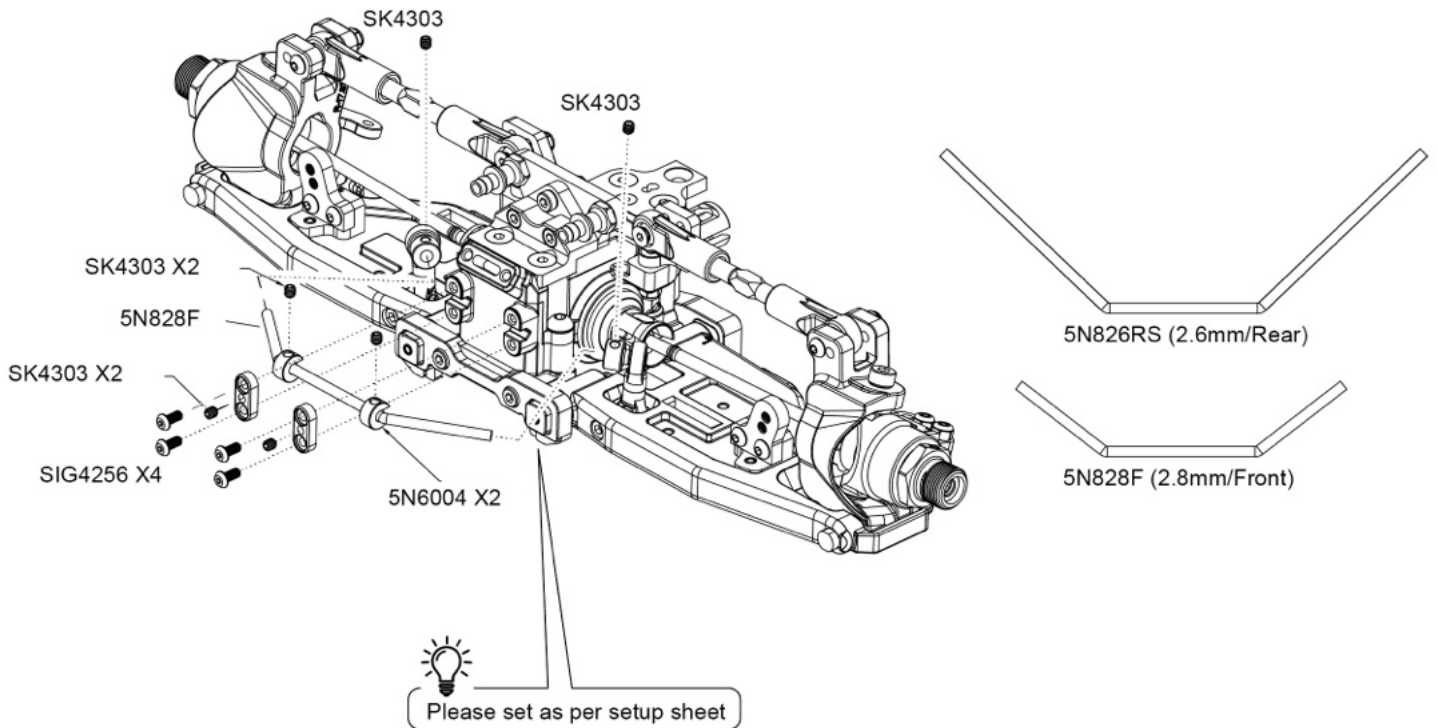
KICKUP = 7°/TOE-IN = 0°

+0.5°		+1°
+0.5mm		+1mm
0		0
-0.5°		-1°
-0.5mm		-1mm

+1°		+1°
+1mm		+1mm
+0.5°		+0.5°
+0.5mm		+0.5mm

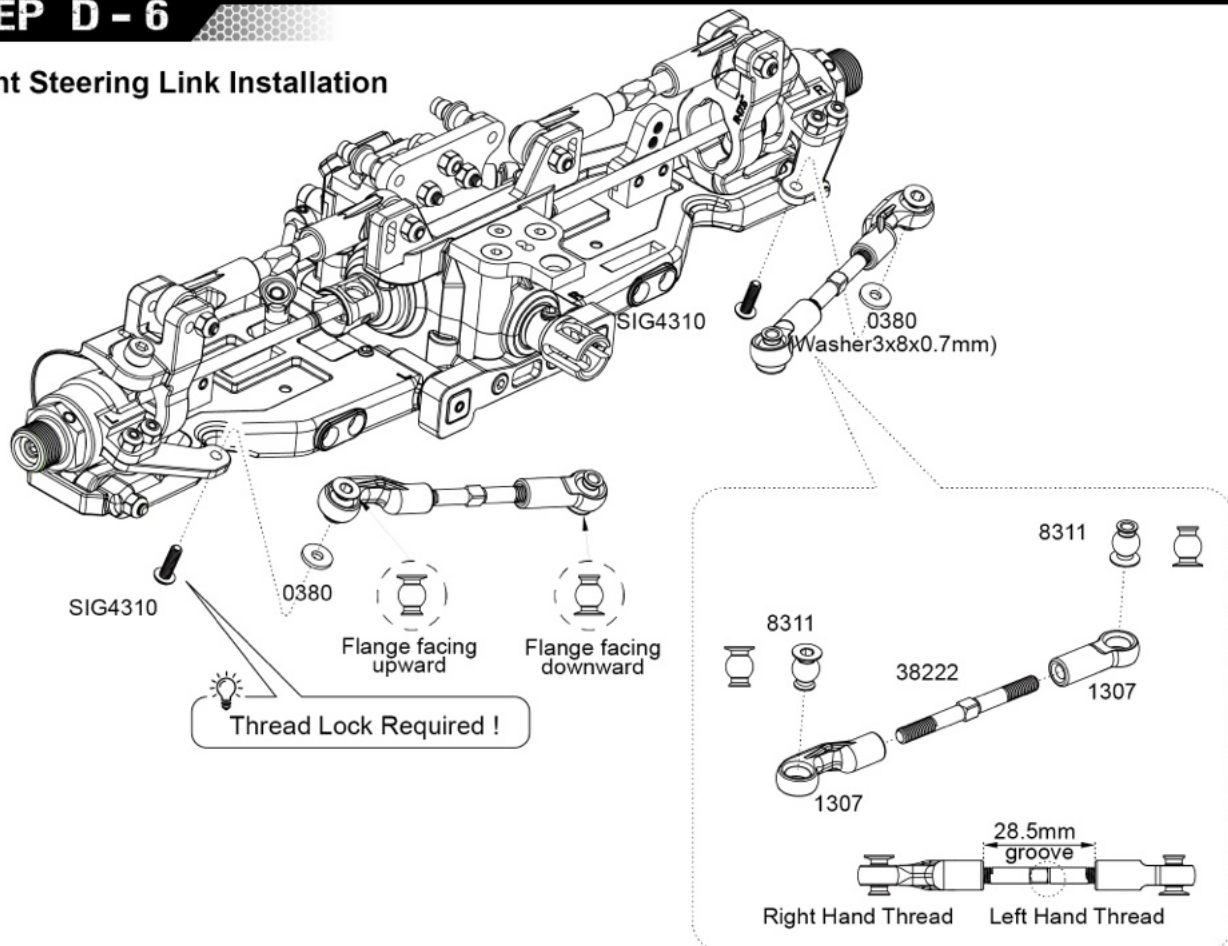
STEP D - 5

Front Anti Roll Bar Assembly



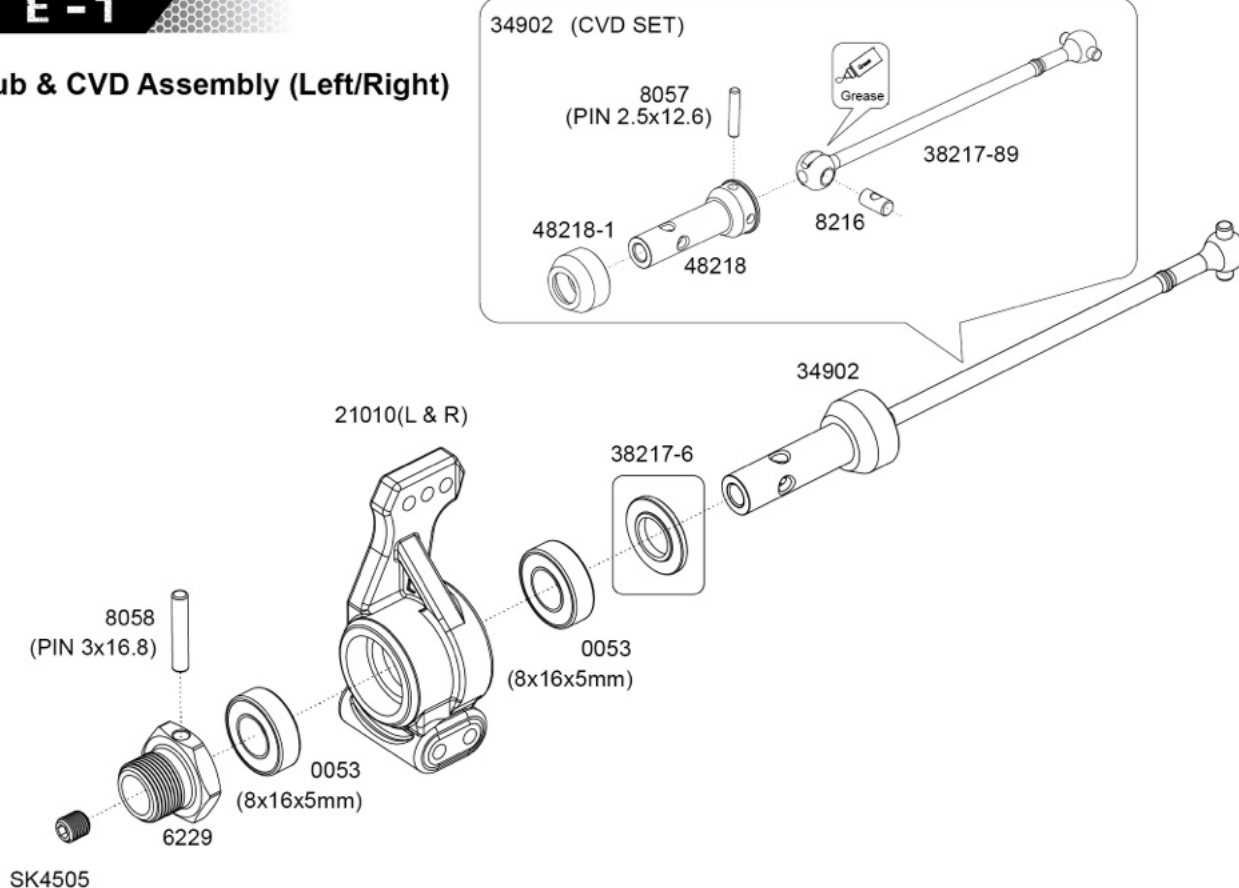
STEP D - 6

Front Steering Link Installation



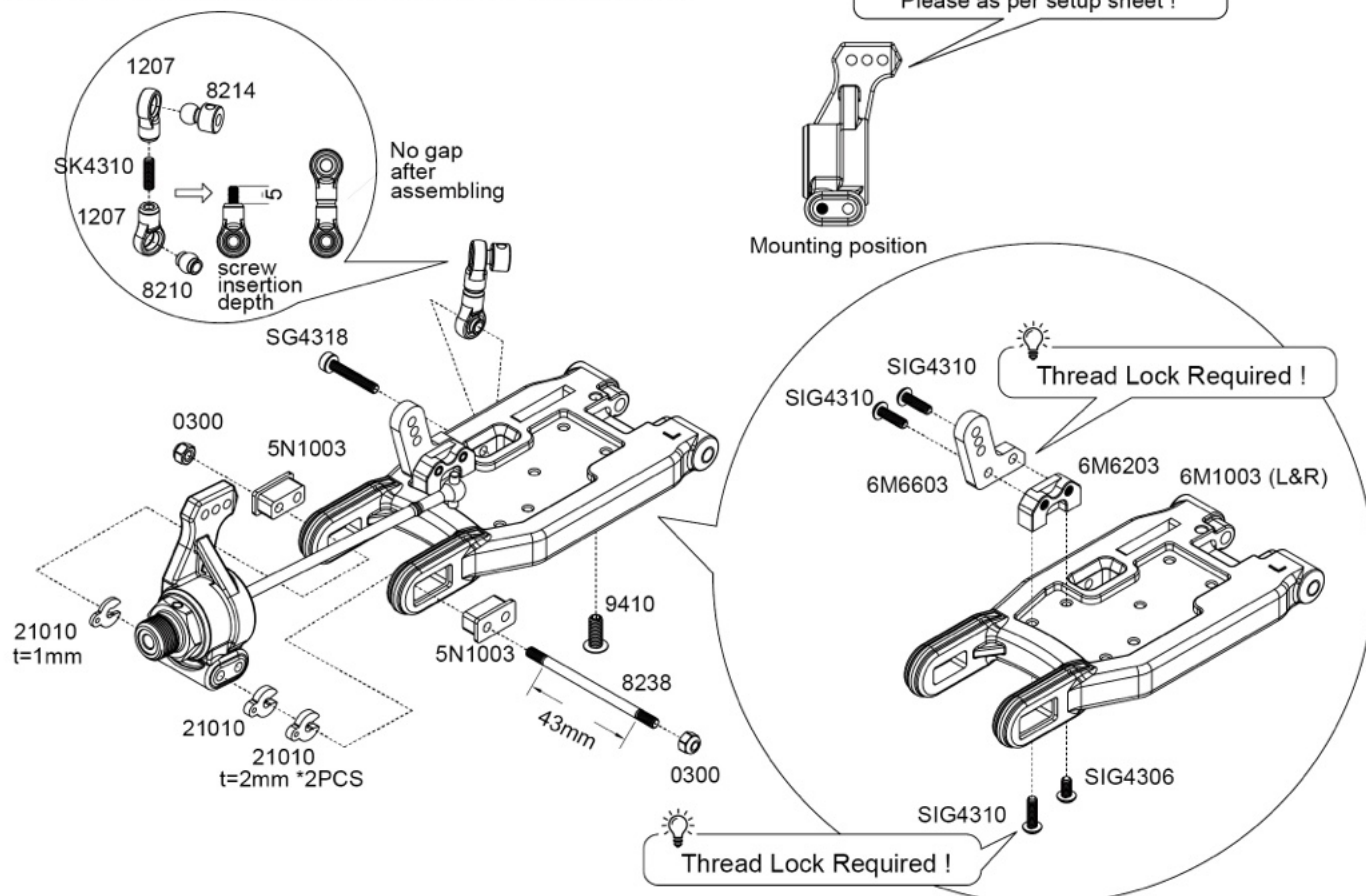
STEP E - 1

Rear Hub & CVD Assembly (Left/Right)



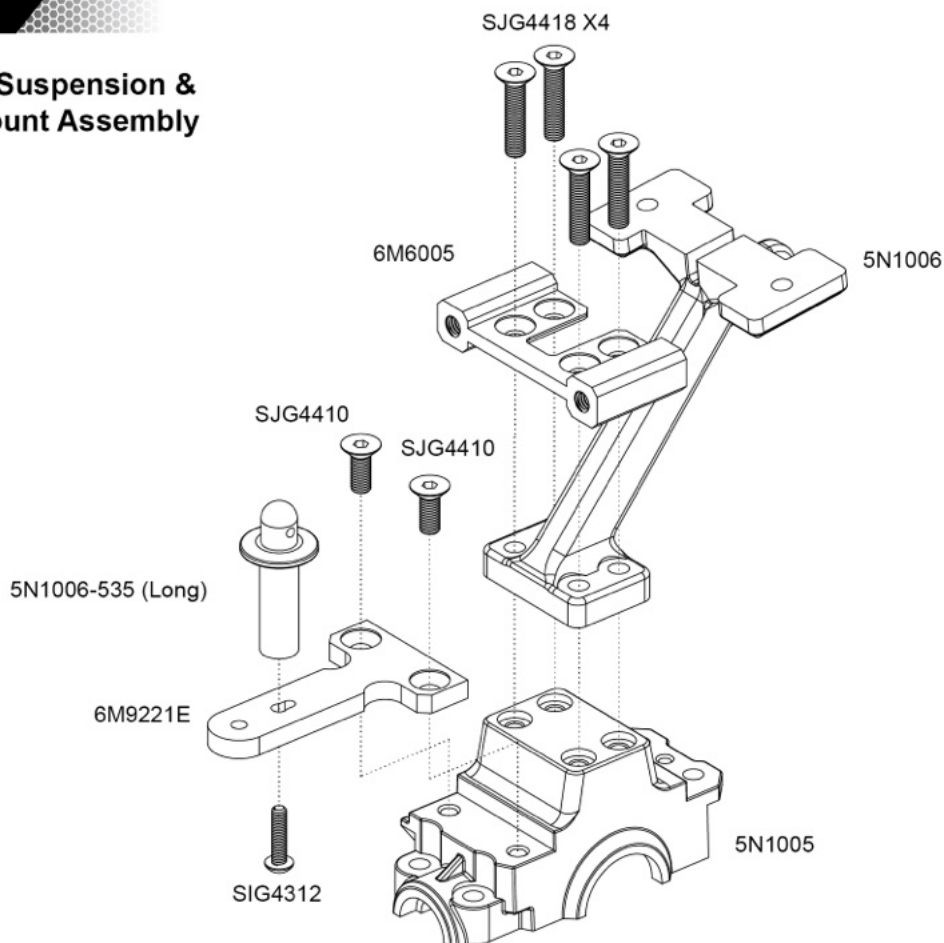
STEP E - 2

Rear Hub & Suspension Arm Assembly (Left/Right)



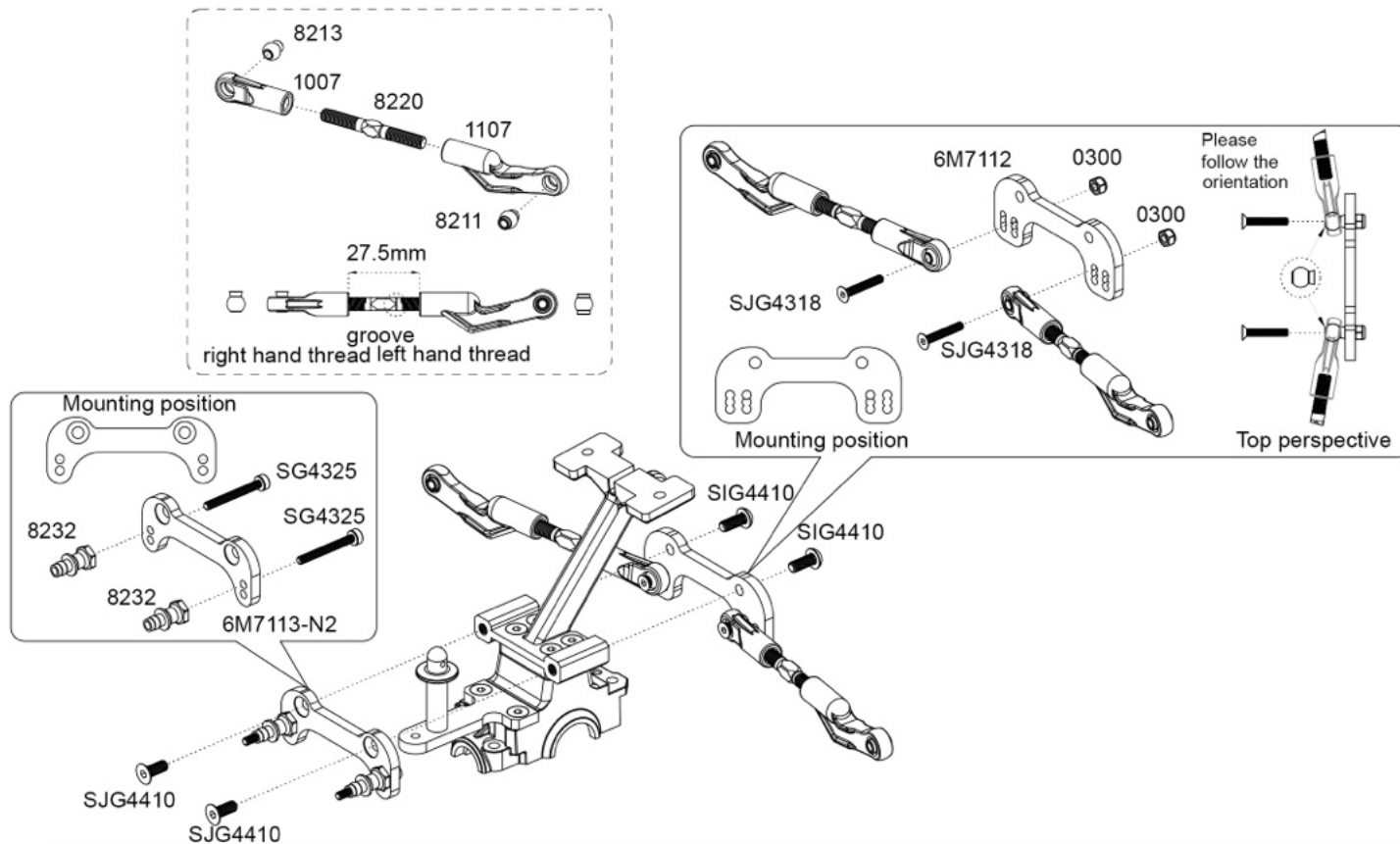
STEP F - 1

Rear Diff Case / Suspension & Wing & Body Mount Assembly



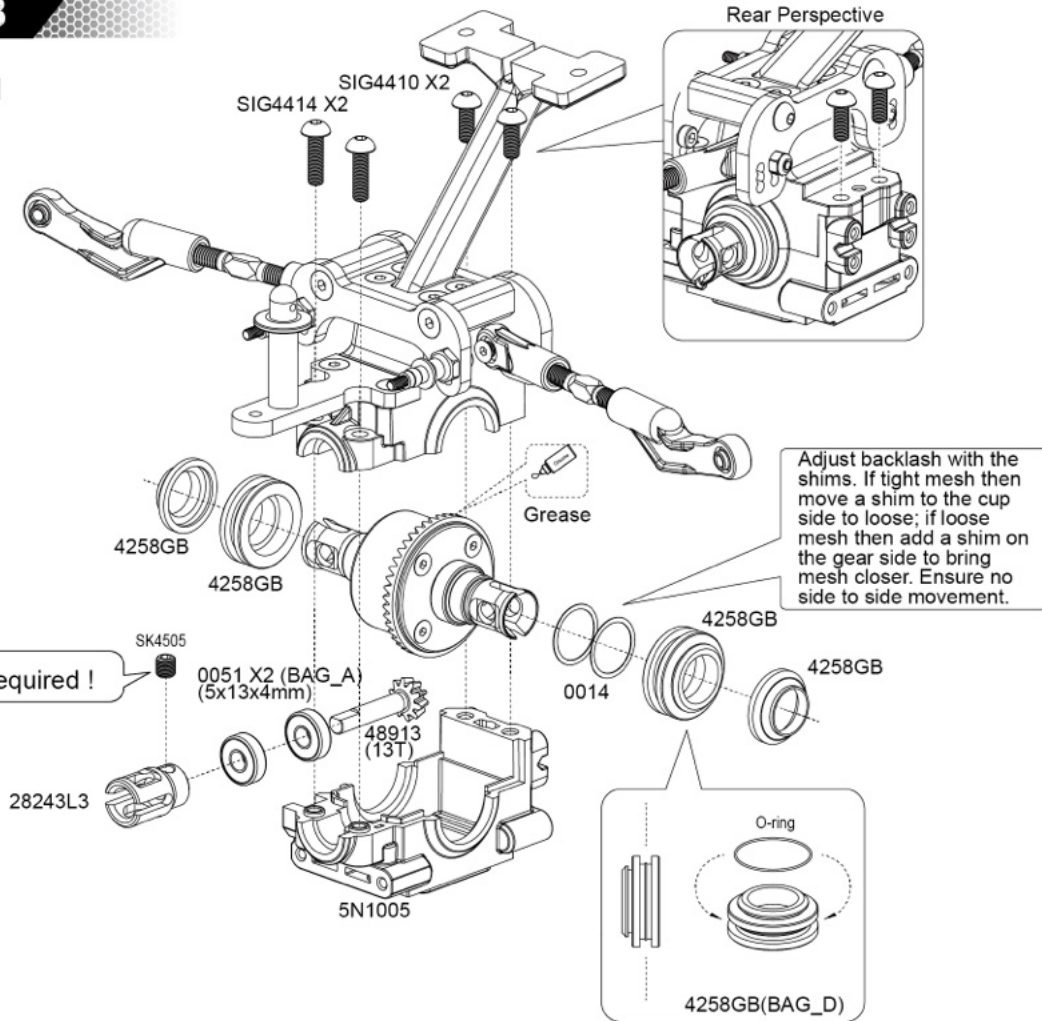
STEP F - 2

Rear Camber Link & Shock Tower Install



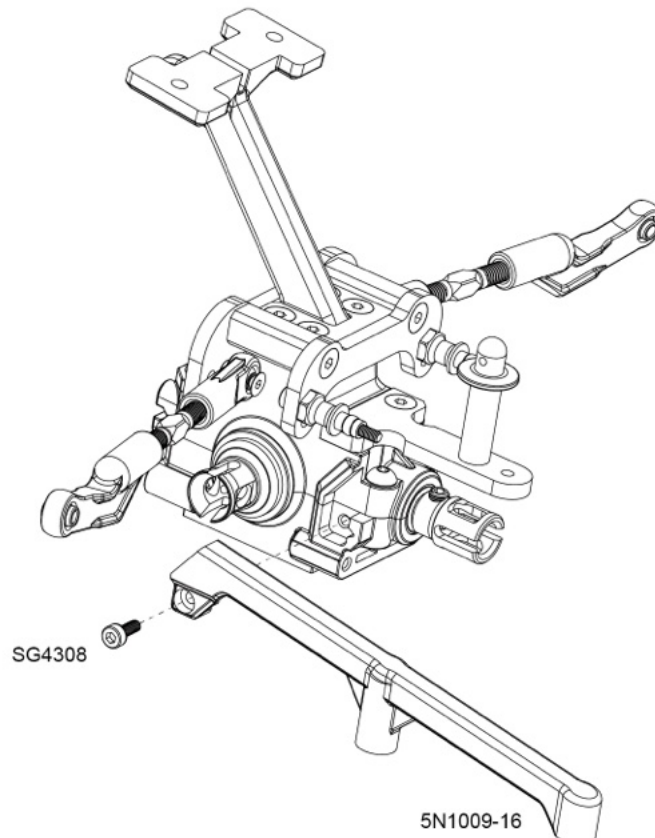
STEP F - 3

Rear Diff Install



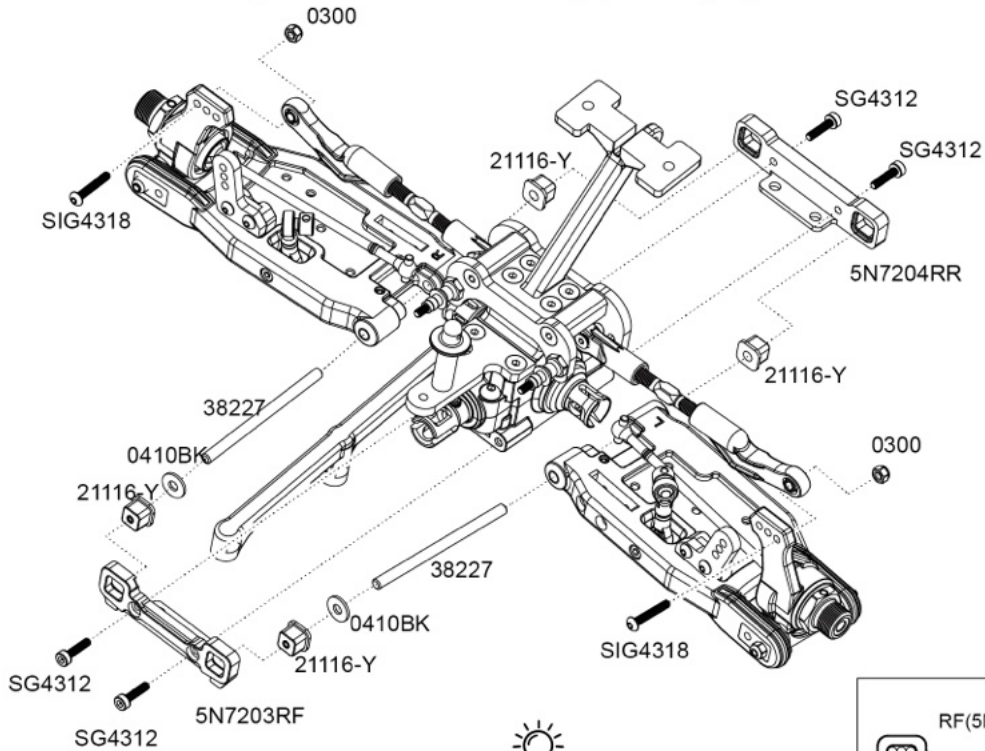
STEP F - 4

Rear Chassis Support



STEP F - 5

Rear Hubs & Suspension Arm Assembly (Left/Right)



Mounting Position

SUSPENSION BUSHINGS CHART

+0.5° +0.5mm		+1° +1mm
0		0
-0.5° -0.5mm		-1° -1mm
+1° +1mm		+1° +1mm
+0.5° +0.5mm		+0.5° +0.5mm
0		0



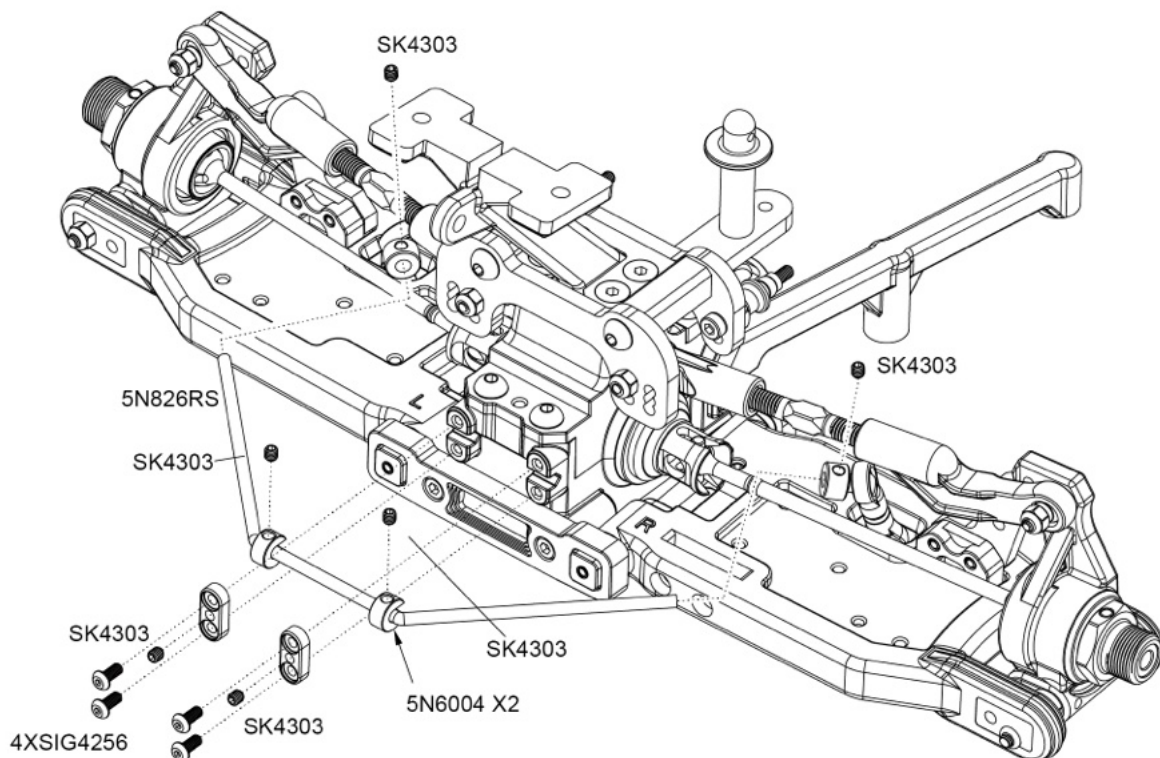
Please set as per setup sheet



ANTISQUAT = 1° / TOE IN = 3°

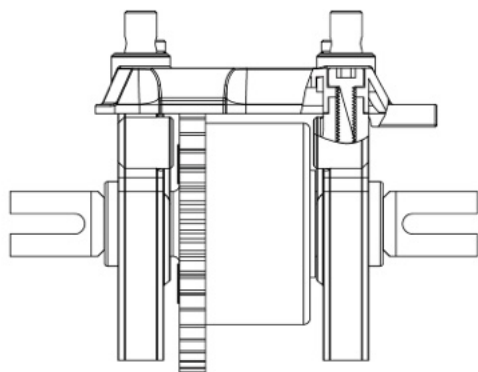
STEP F - 6

Rear Anti roll bar Assembly

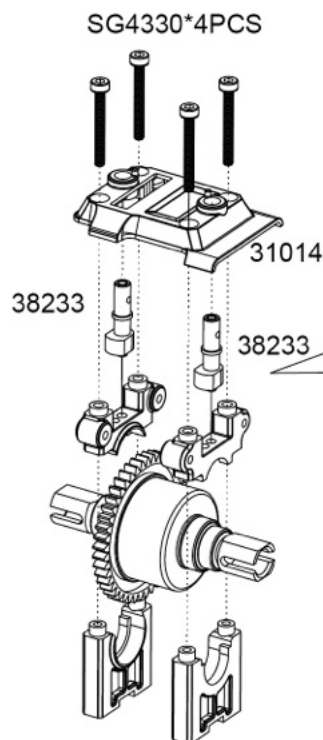
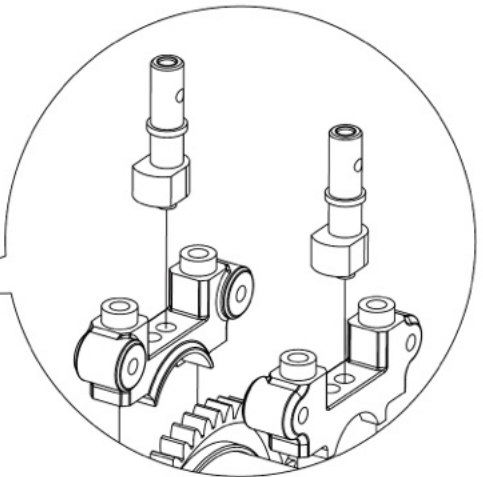


STEP G - 1

Center Diff Mount & Front Brake Assembly

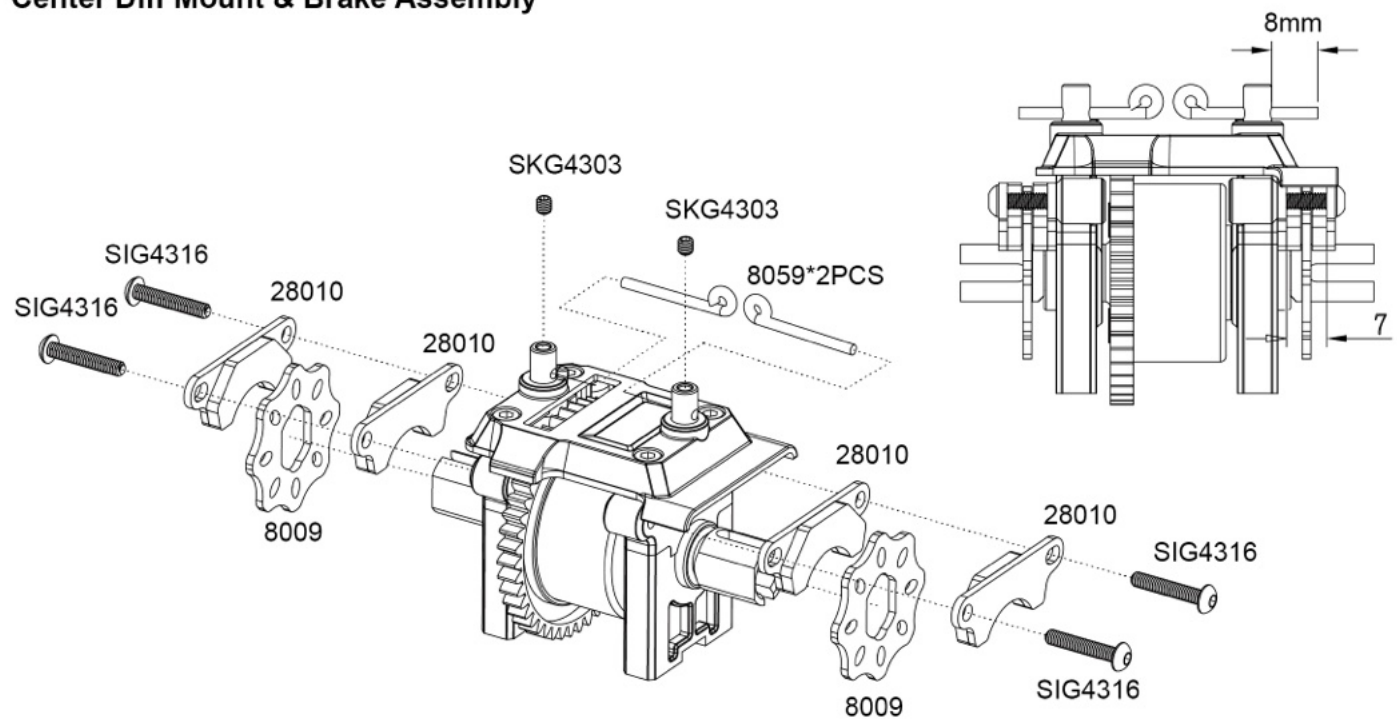


Please tighten the screws until they are flush with the top plastic plate, do not overtighten. Ensure free movement of brake cams.



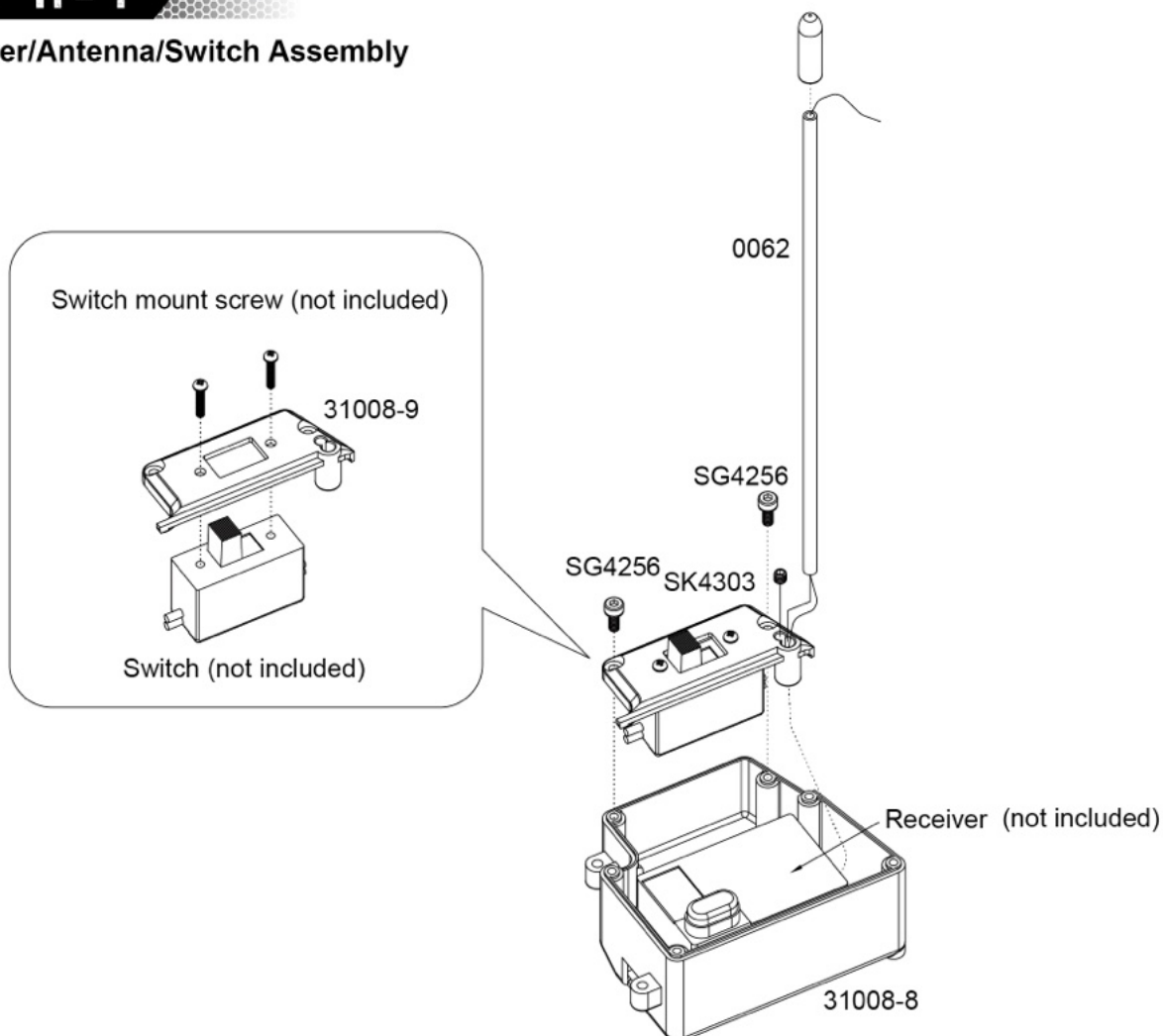
STEP G - 2

Center Diff Mount & Brake Assembly



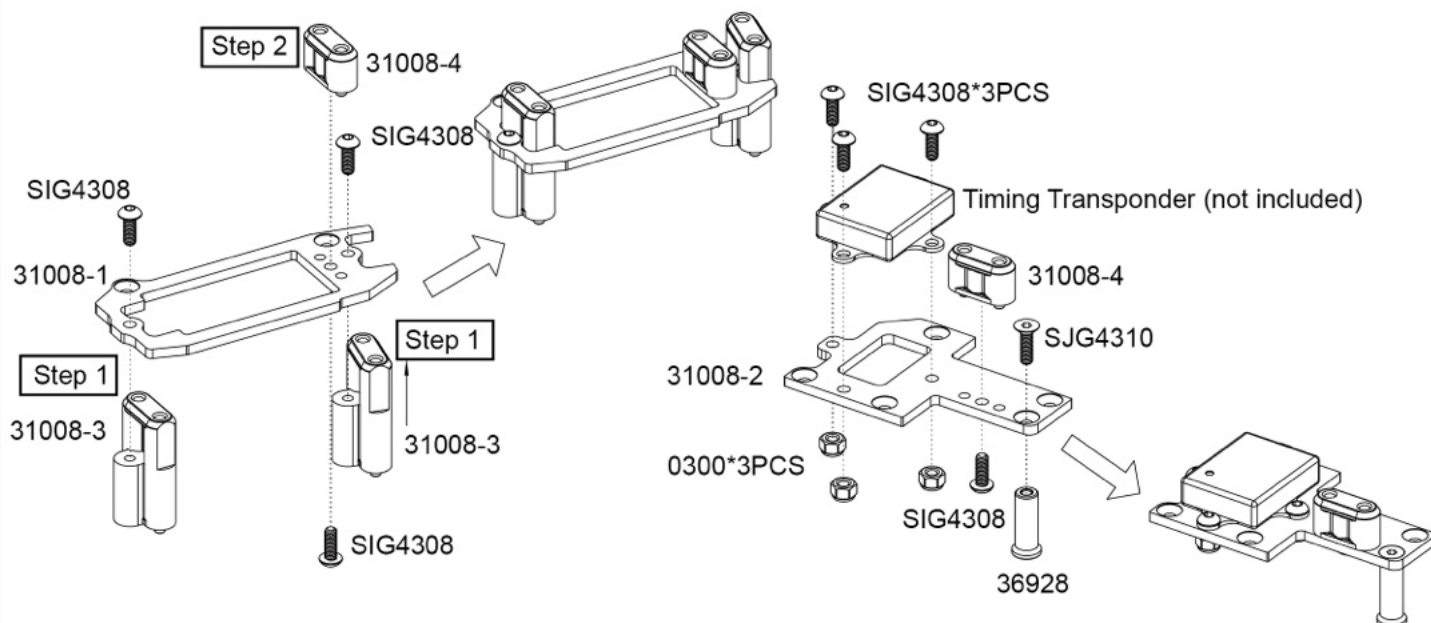
STEP H-1

Receiver/Antenna/Switch Assembly



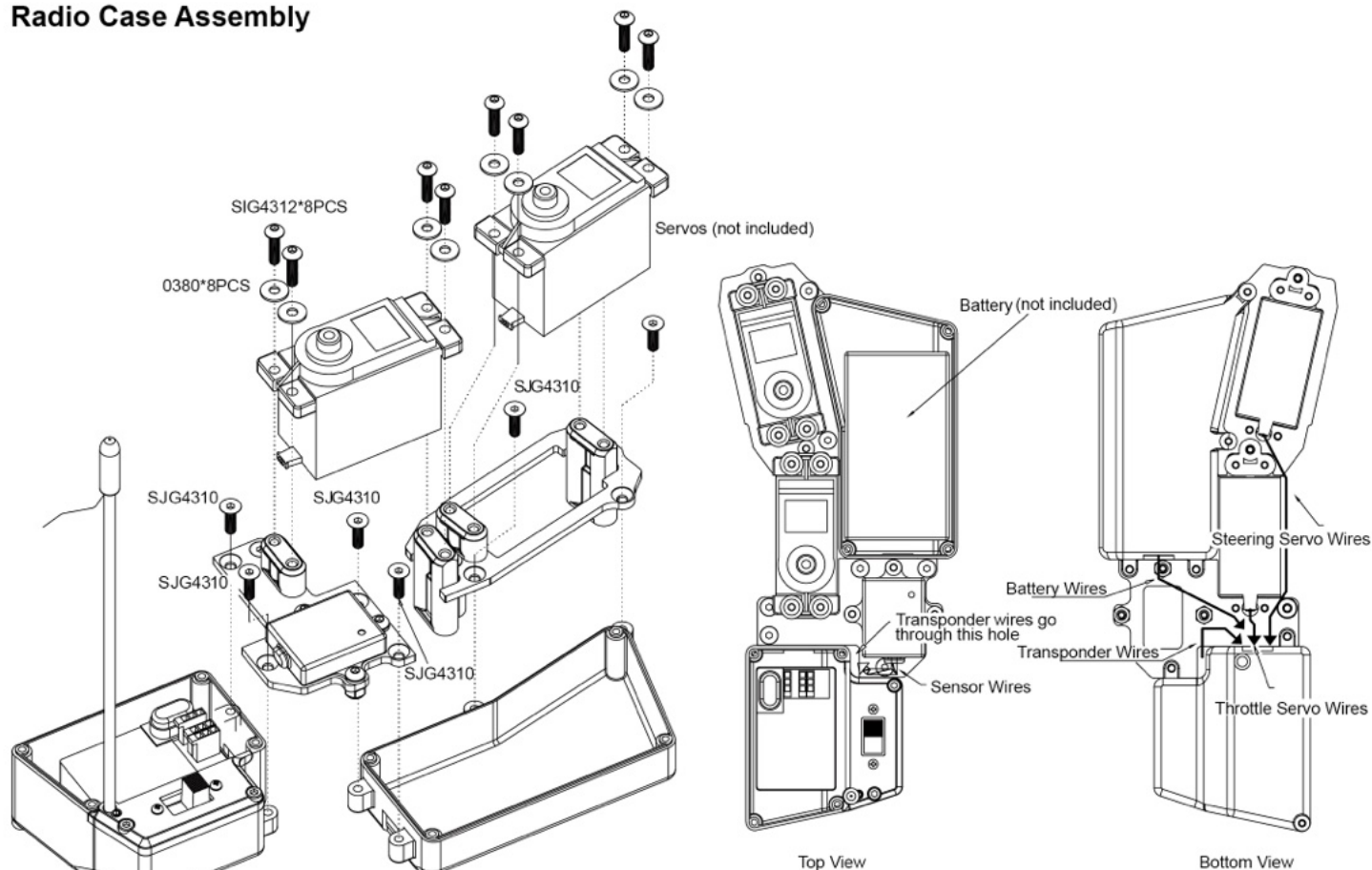
STEP H-2

Servo/Transponder Mount Assembly



STEP H - 3

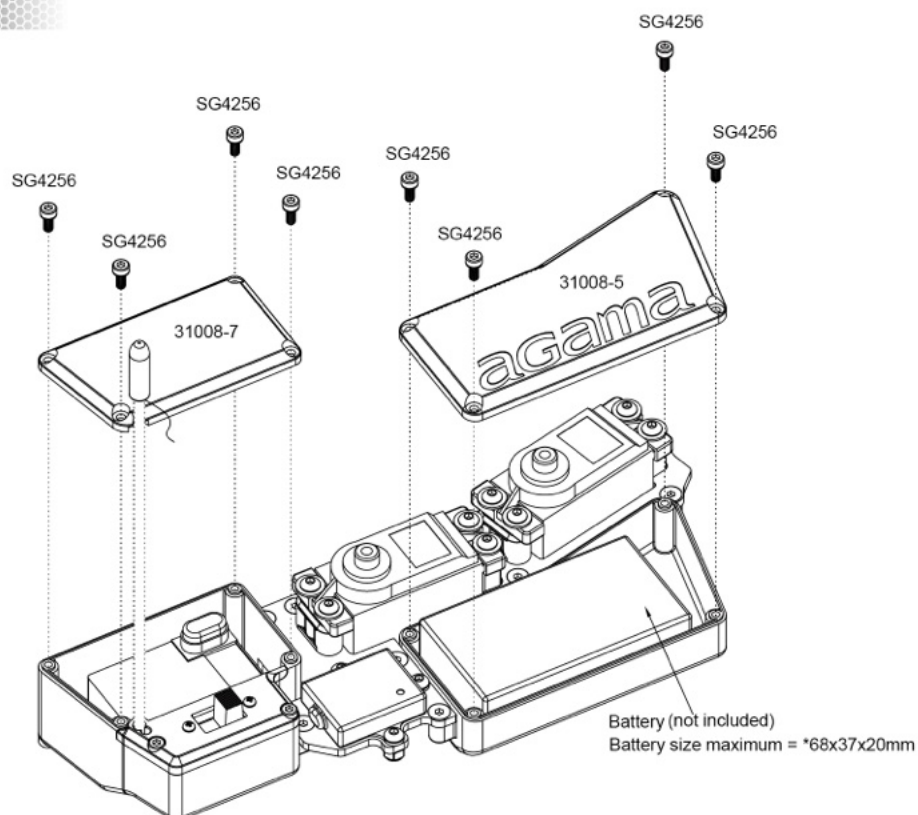
Radio Case Assembly



Switch & Servo Assembly (Cable Routing)

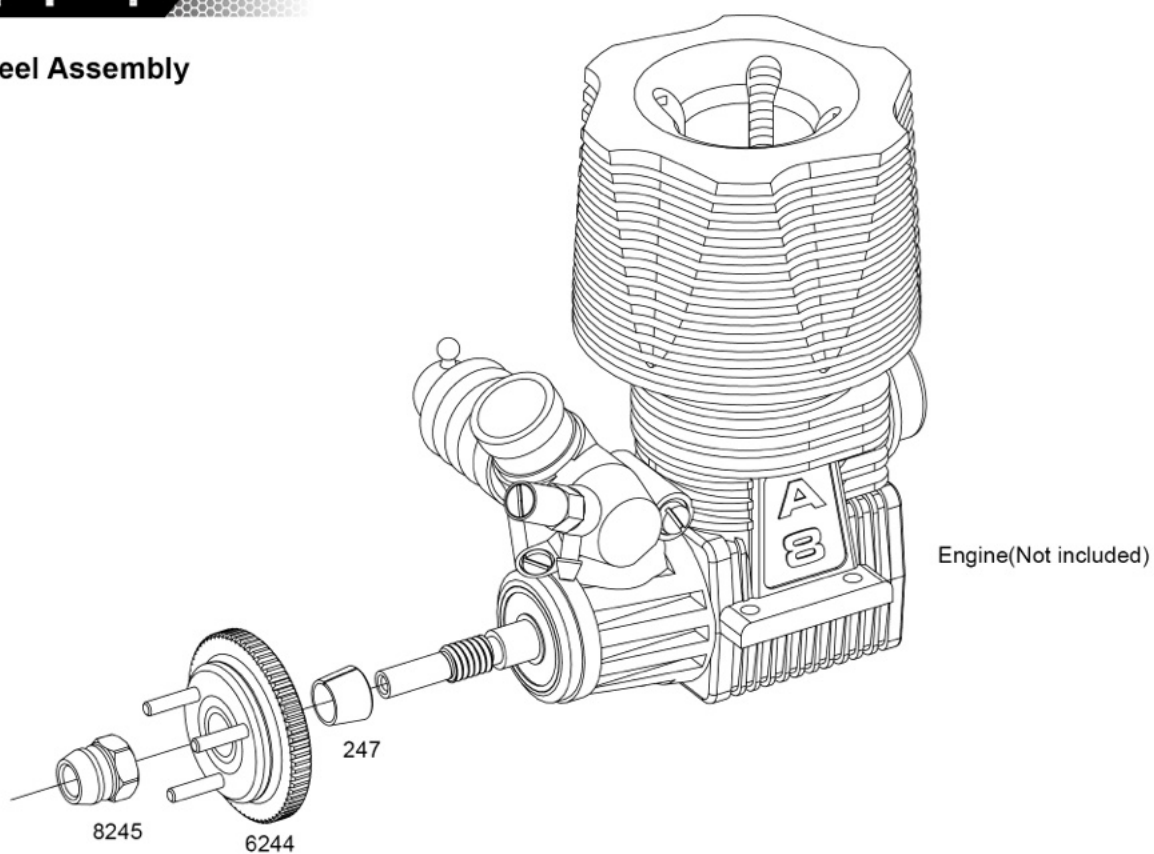
STEP H - 4

Radio Case Assembly



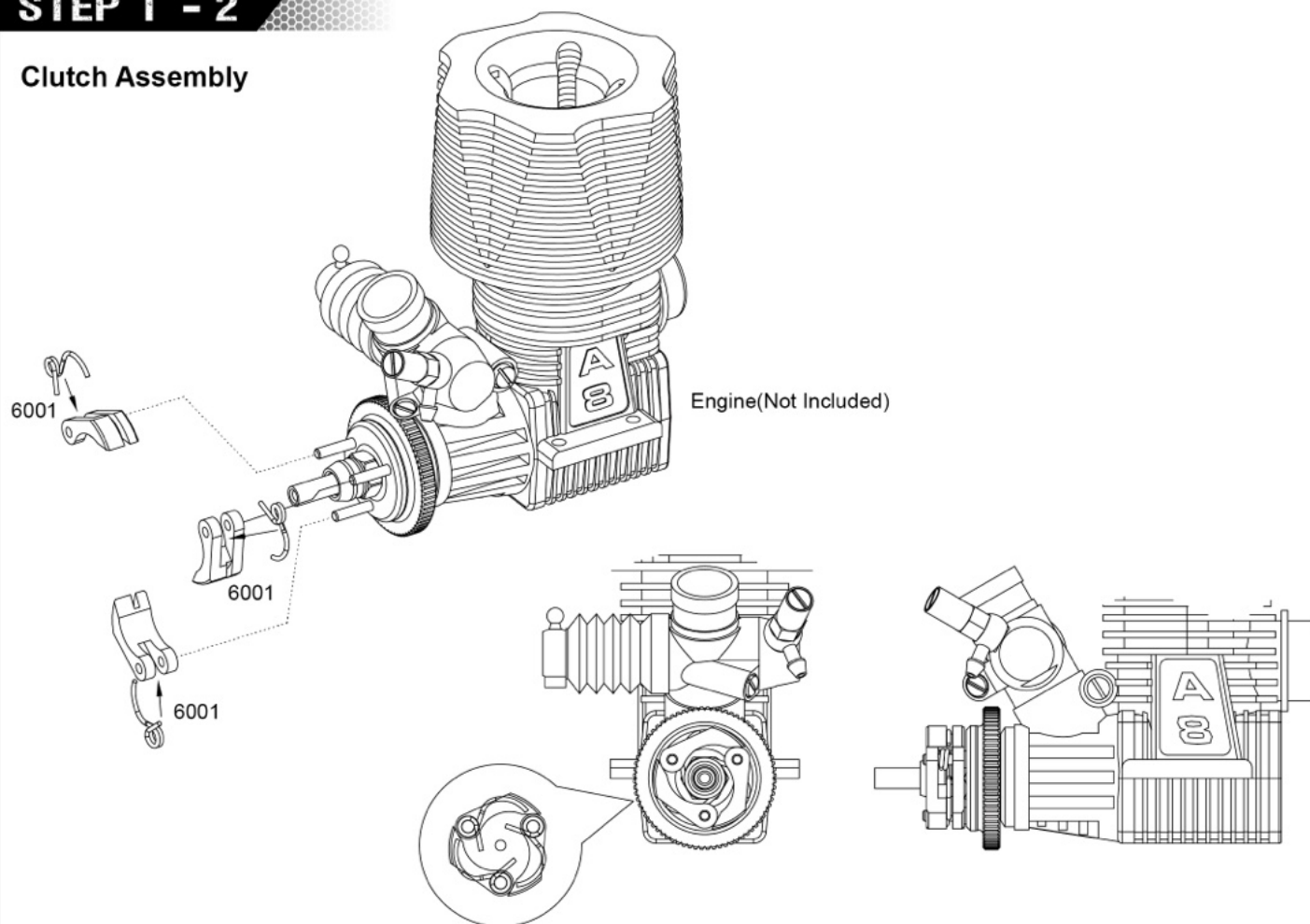
STEP 1 - 1

Flywheel Assembly



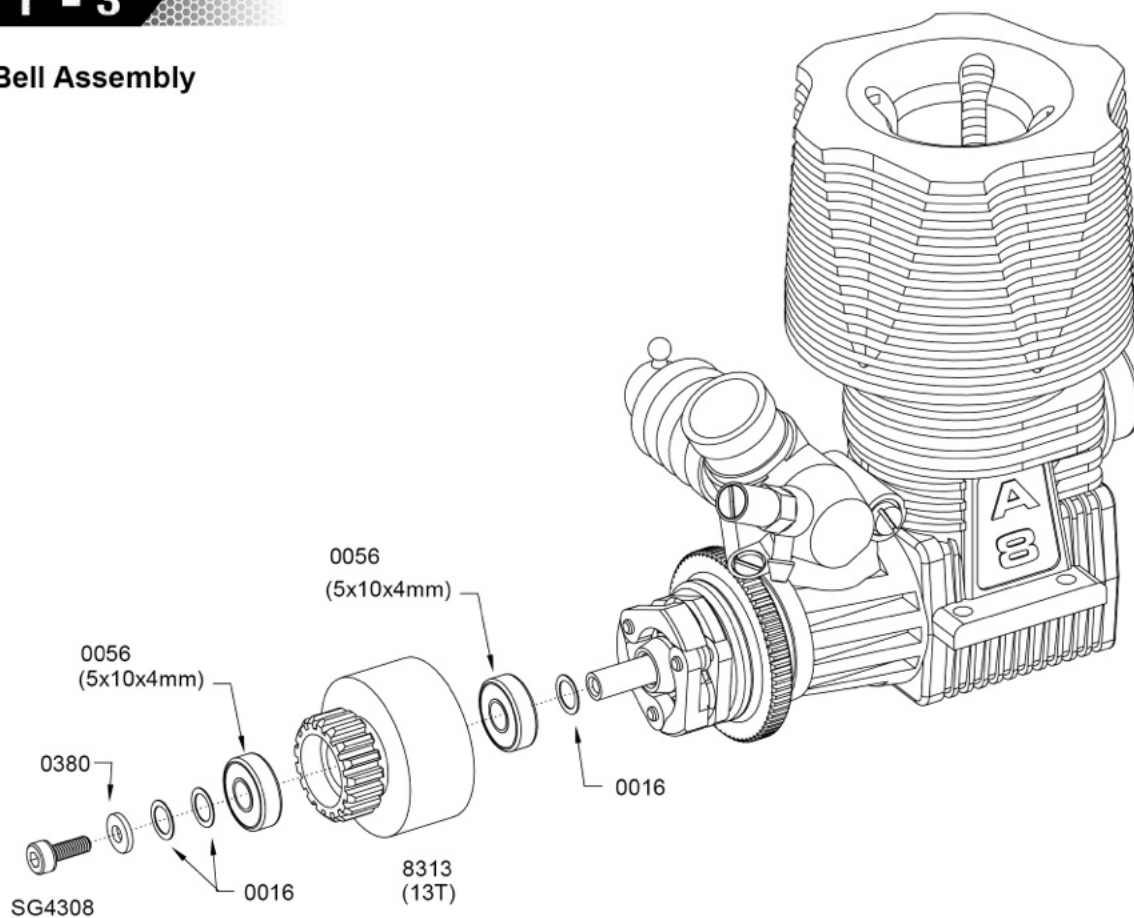
STEP 1 - 2

Clutch Assembly



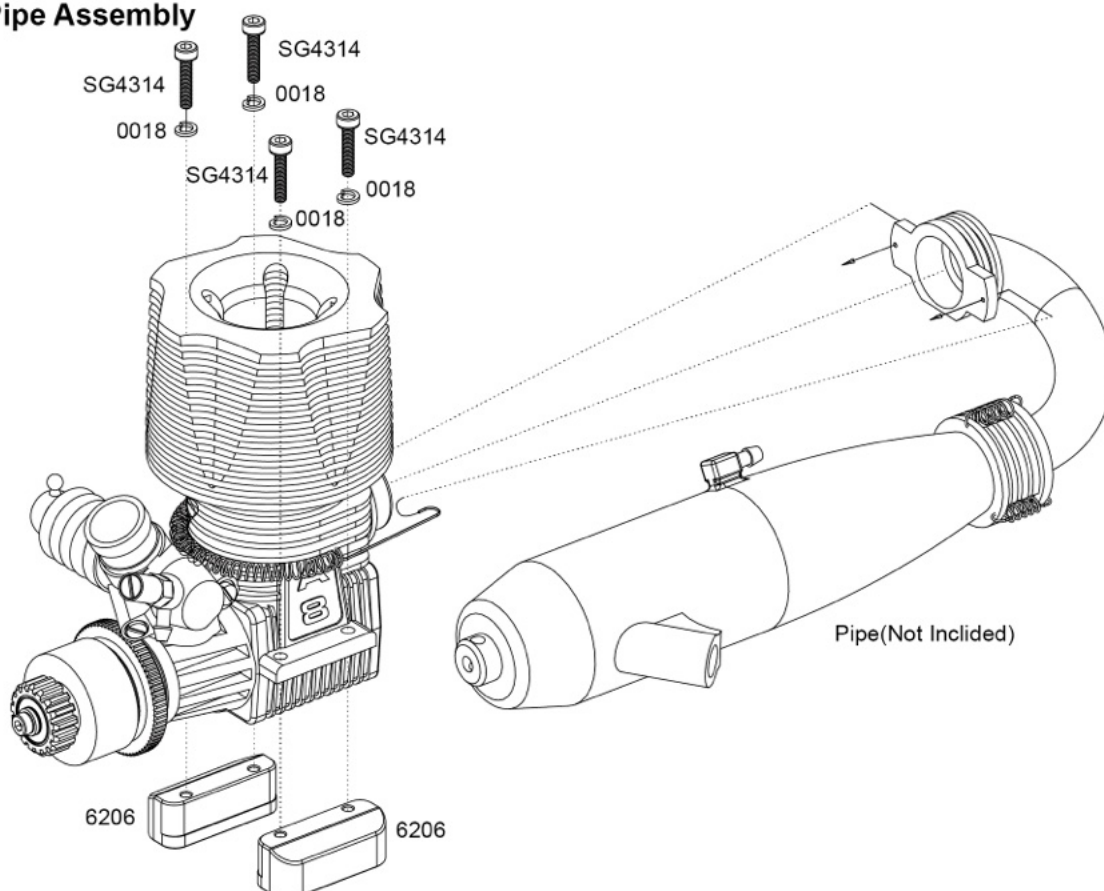
STEP I - 3

Clutch Bell Assembly



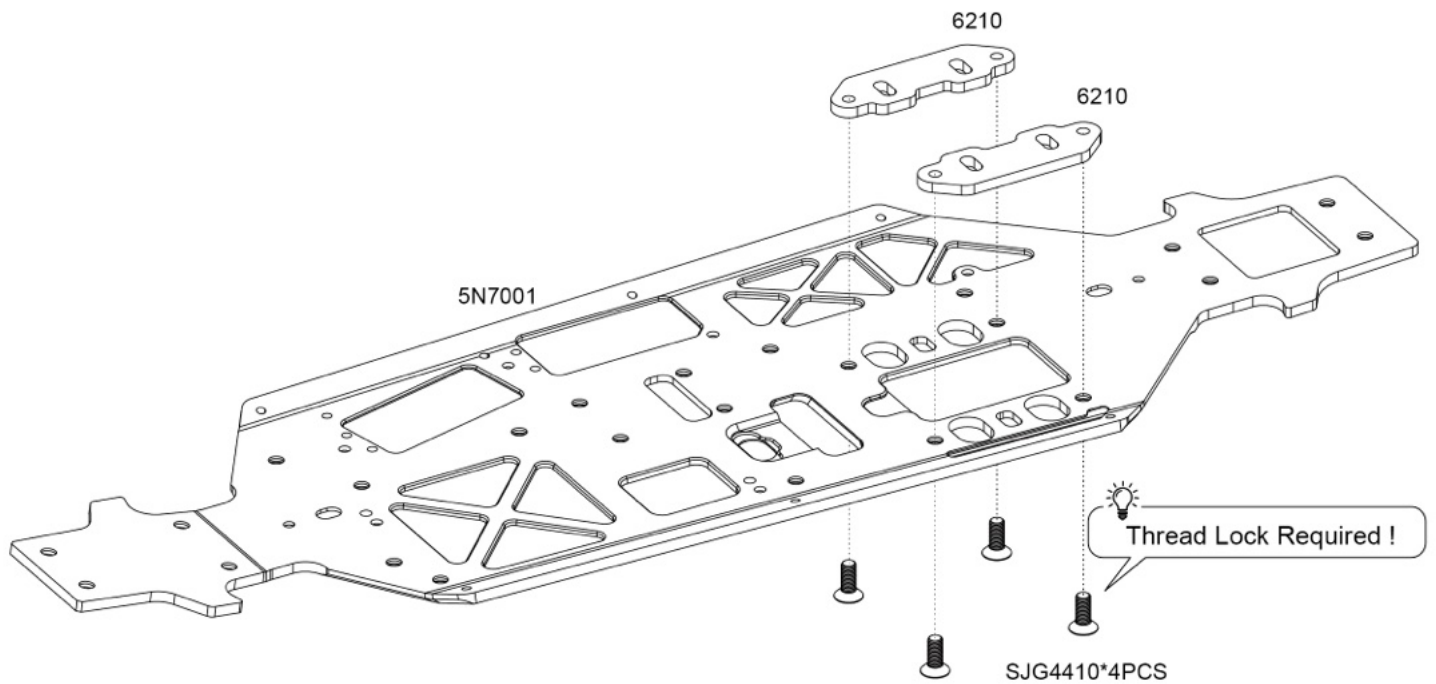
STEP I - 4

Engine Mount & Pipe Assembly



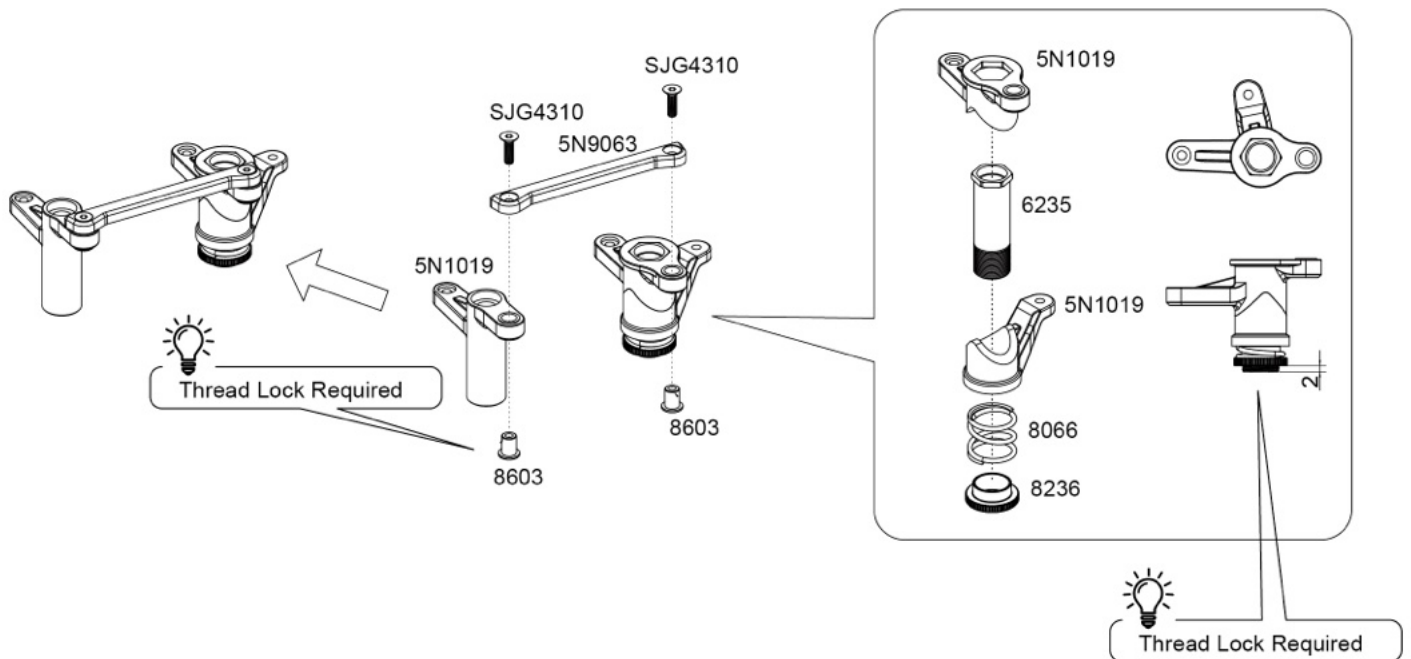
STEP I - 5

Engine Mount & Chassis Assembly



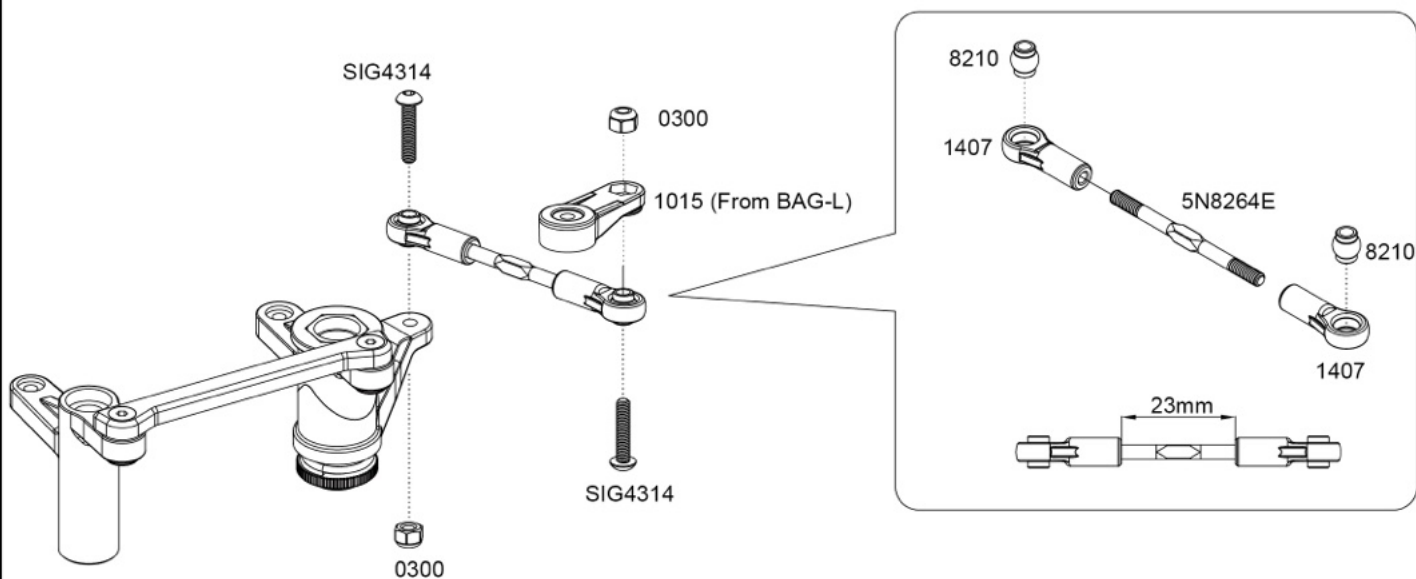
STEP J- 1

Servo Saver Assembly



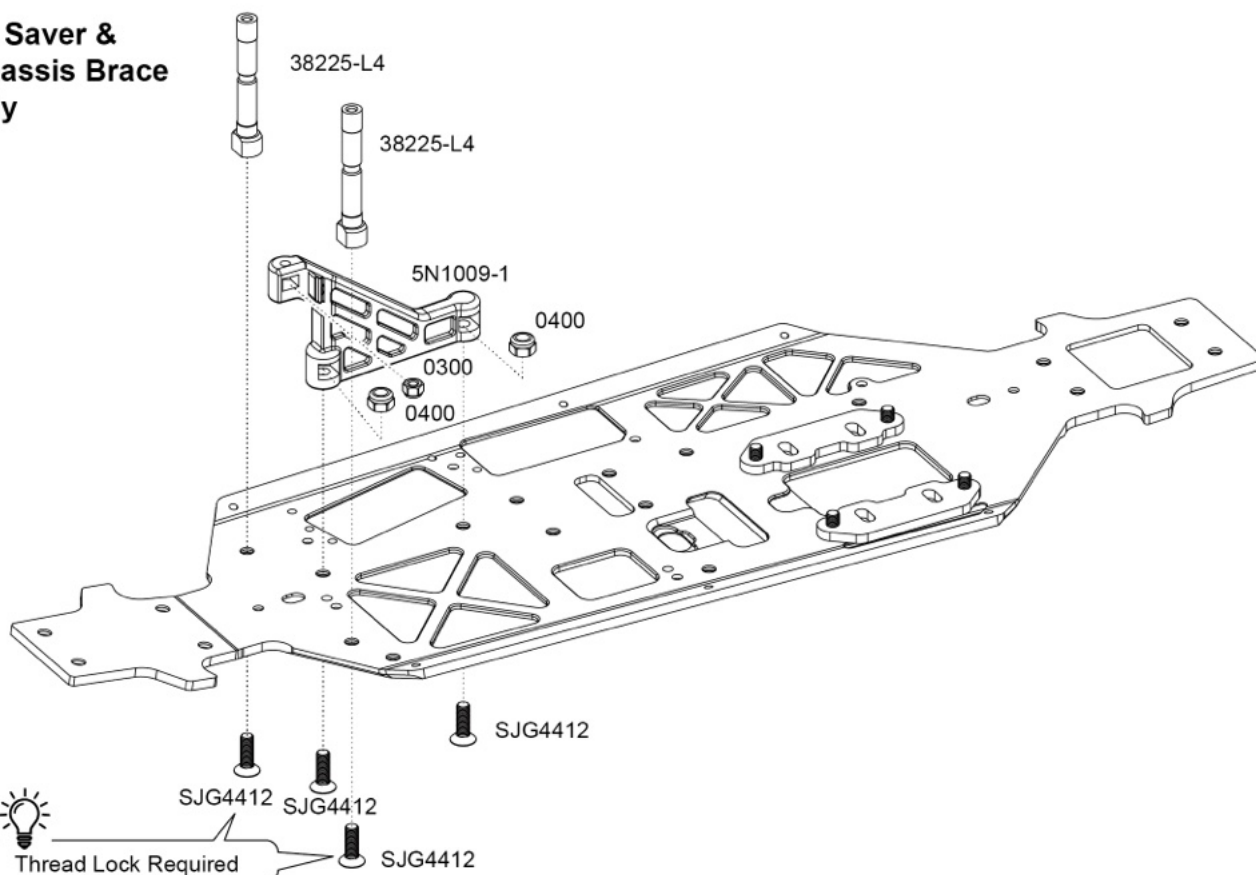
STEP J - 2

Steering Servo Link Assembly



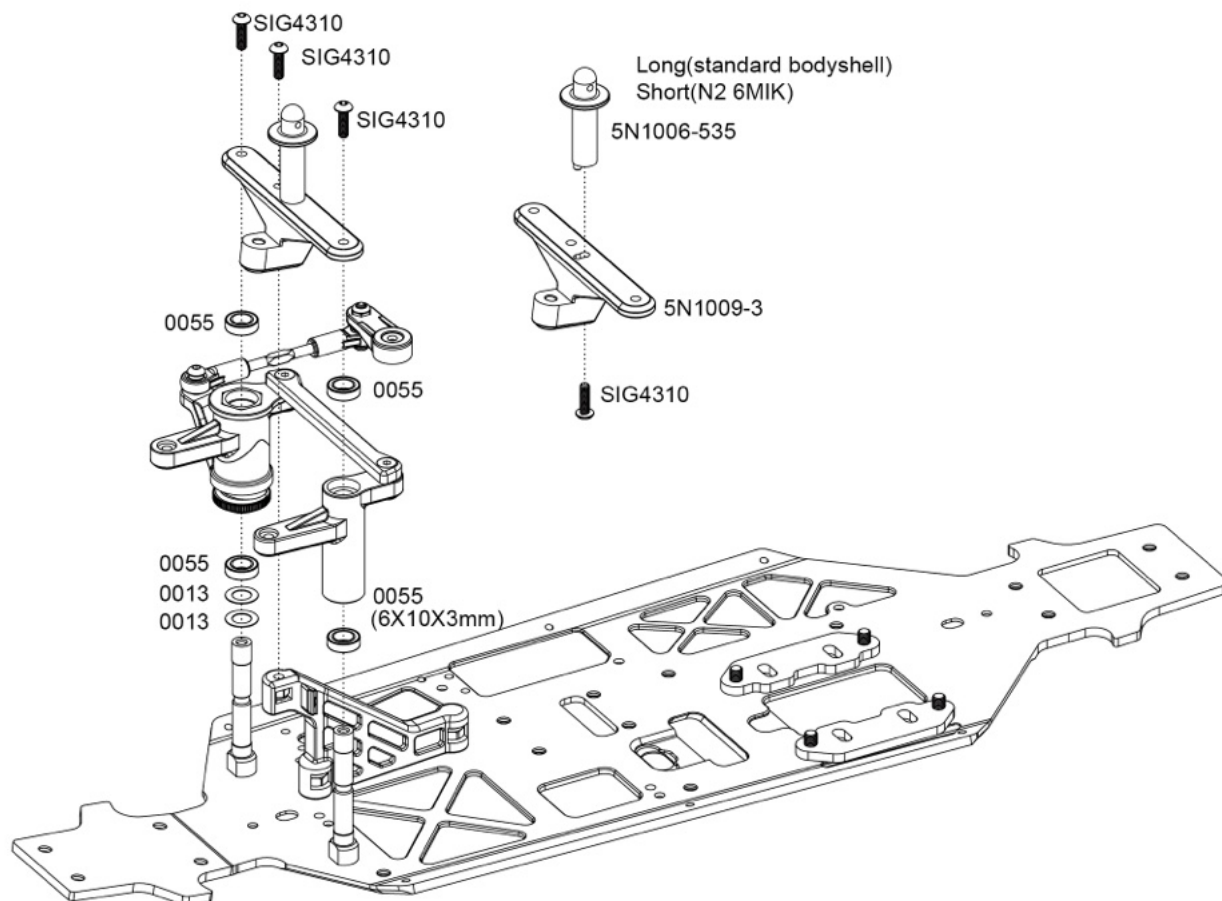
STEP J - 3

Steering Saver & Front Chassis Brace Assembly



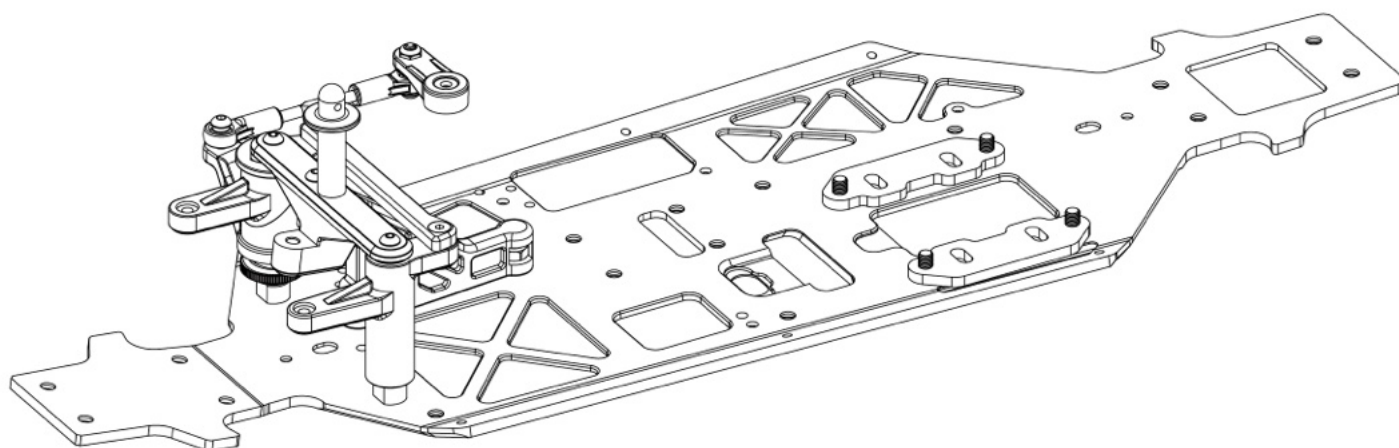
STEP J - 4

Steering Saver & Front Chassis Brace Assembly



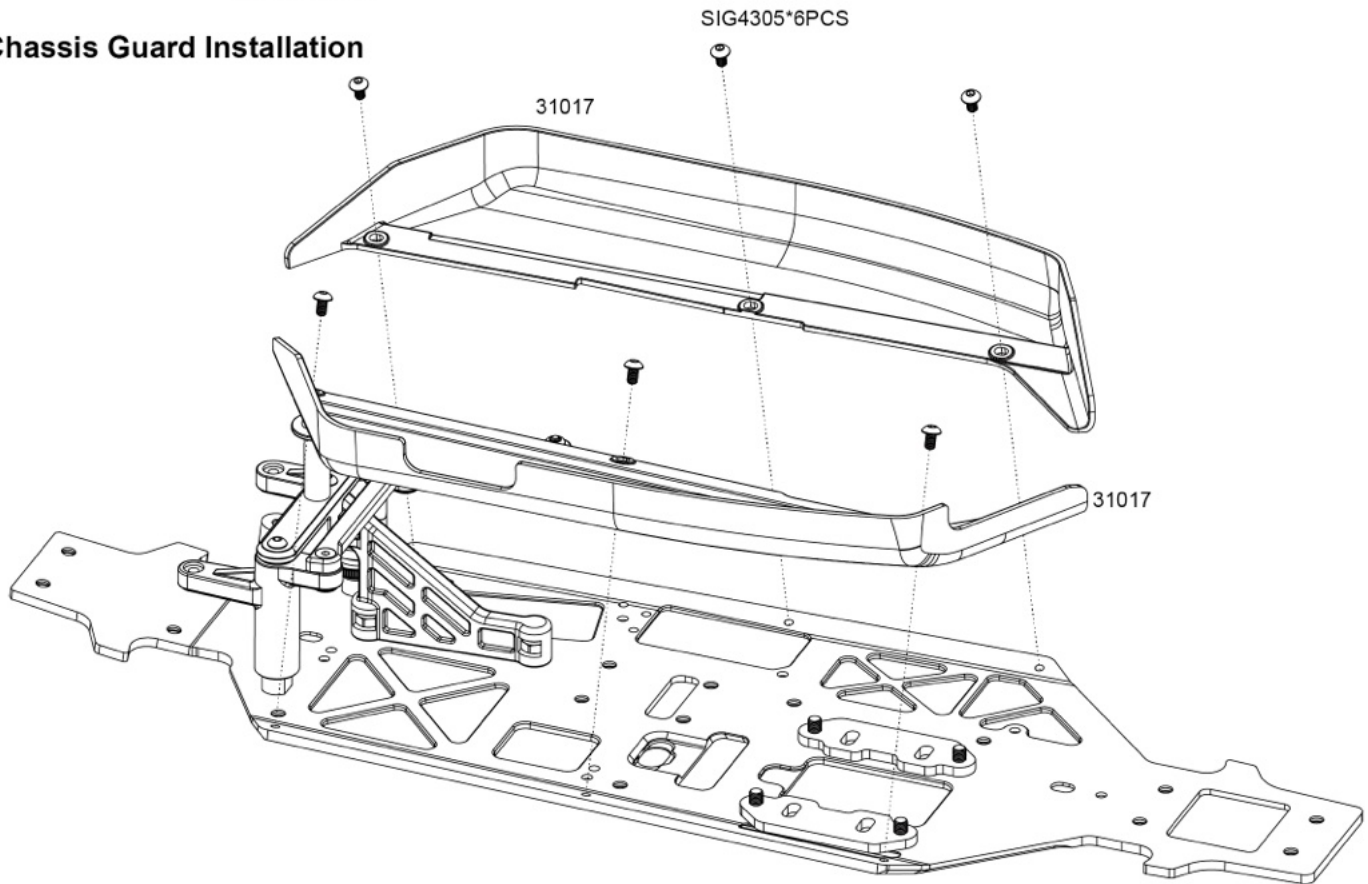
STEP J - 5

Completed Steering Assembly



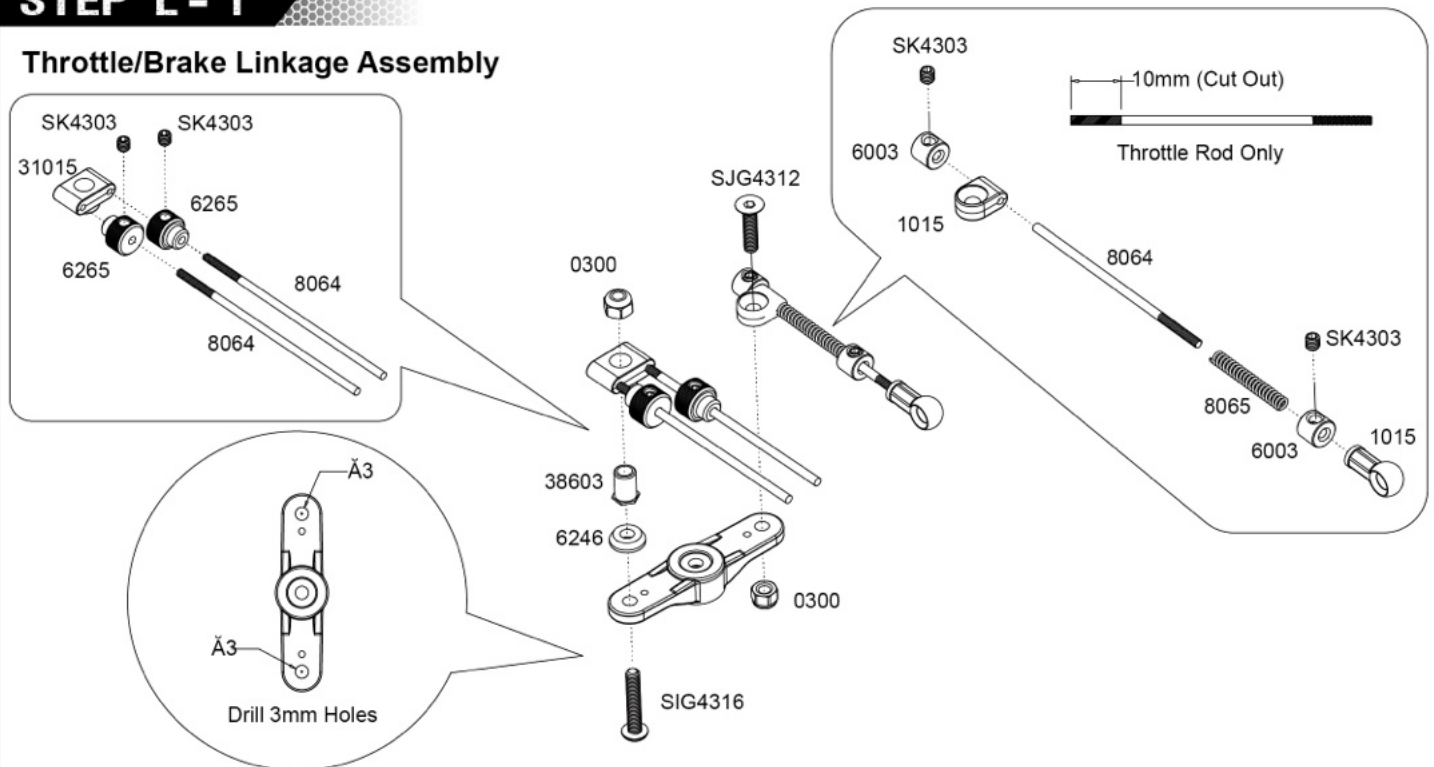
STEP K - 1

Chassis Guard Installation



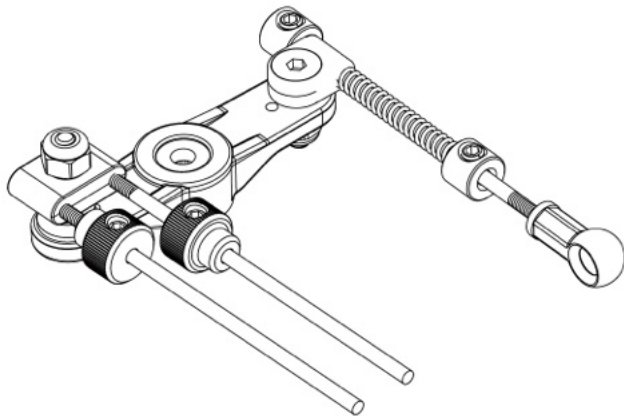
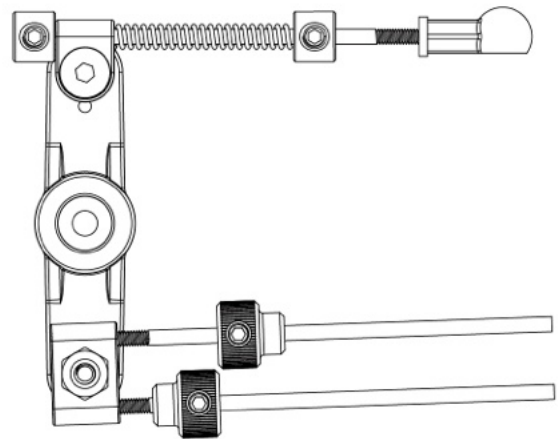
STEP L - 1

Throttle/Brake Linkage Assembly



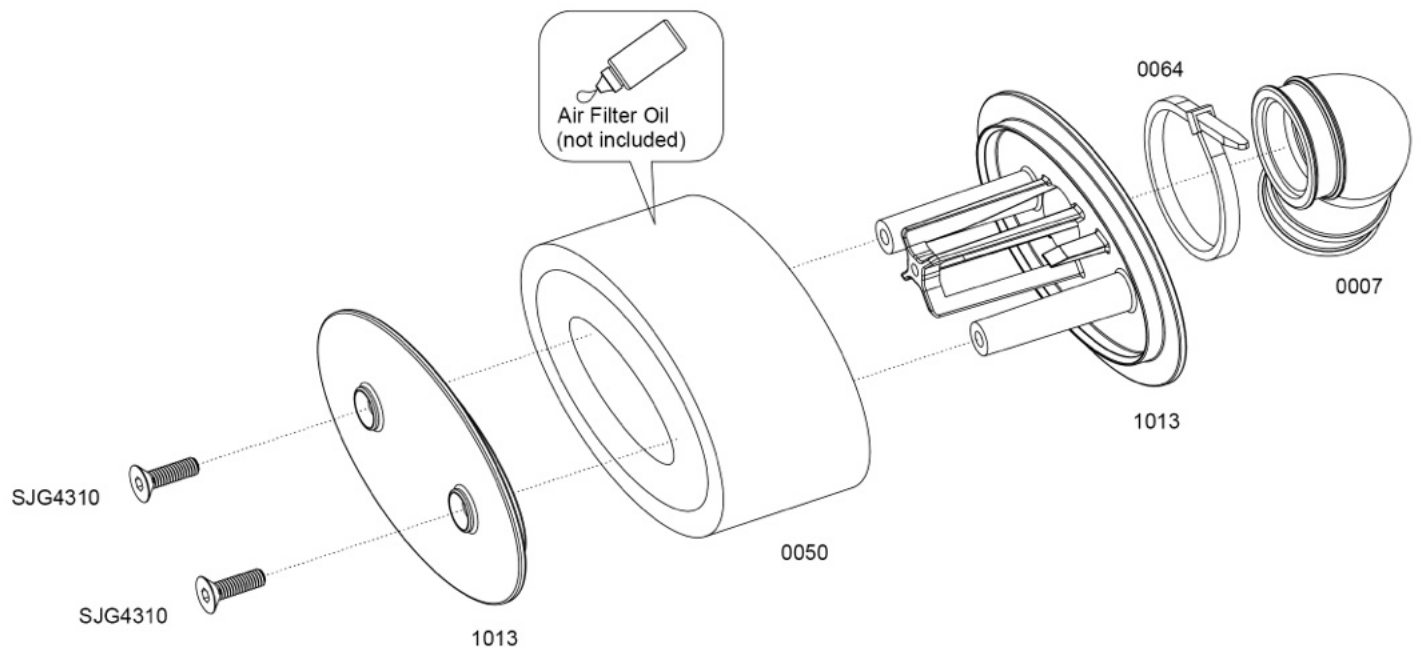
STEP L-2

Completed Throttle/Brake Linkage Assembly



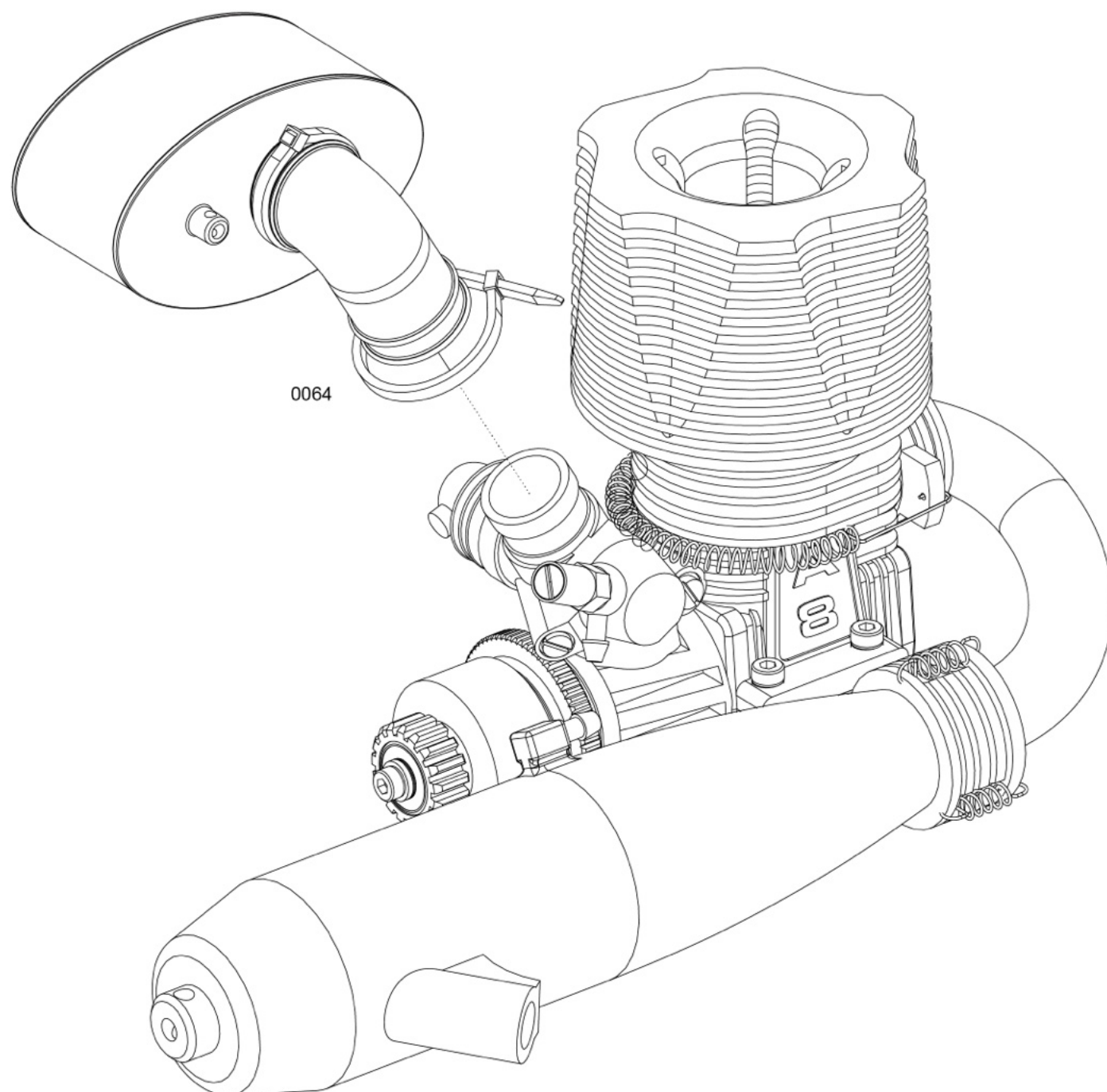
STEP M-1

Air Filter Assembly



STEP M-2

Air Filter Assembly



STEP - 1

Center Diff Installation

Throttle & Brake Linkage Assembly

Center_Diff. Assembly

1015(BAG_L)

10mm
Fuel Tube

SK4303*2PCS

6265*2PCS

31014-02

31014-05

SJG4418*4PCS(BAG_G)

STEP - 2

Front End Installation

SJG4410(BAG_D) SIG4312 x2(BAG_J)

1022(BAG_D)

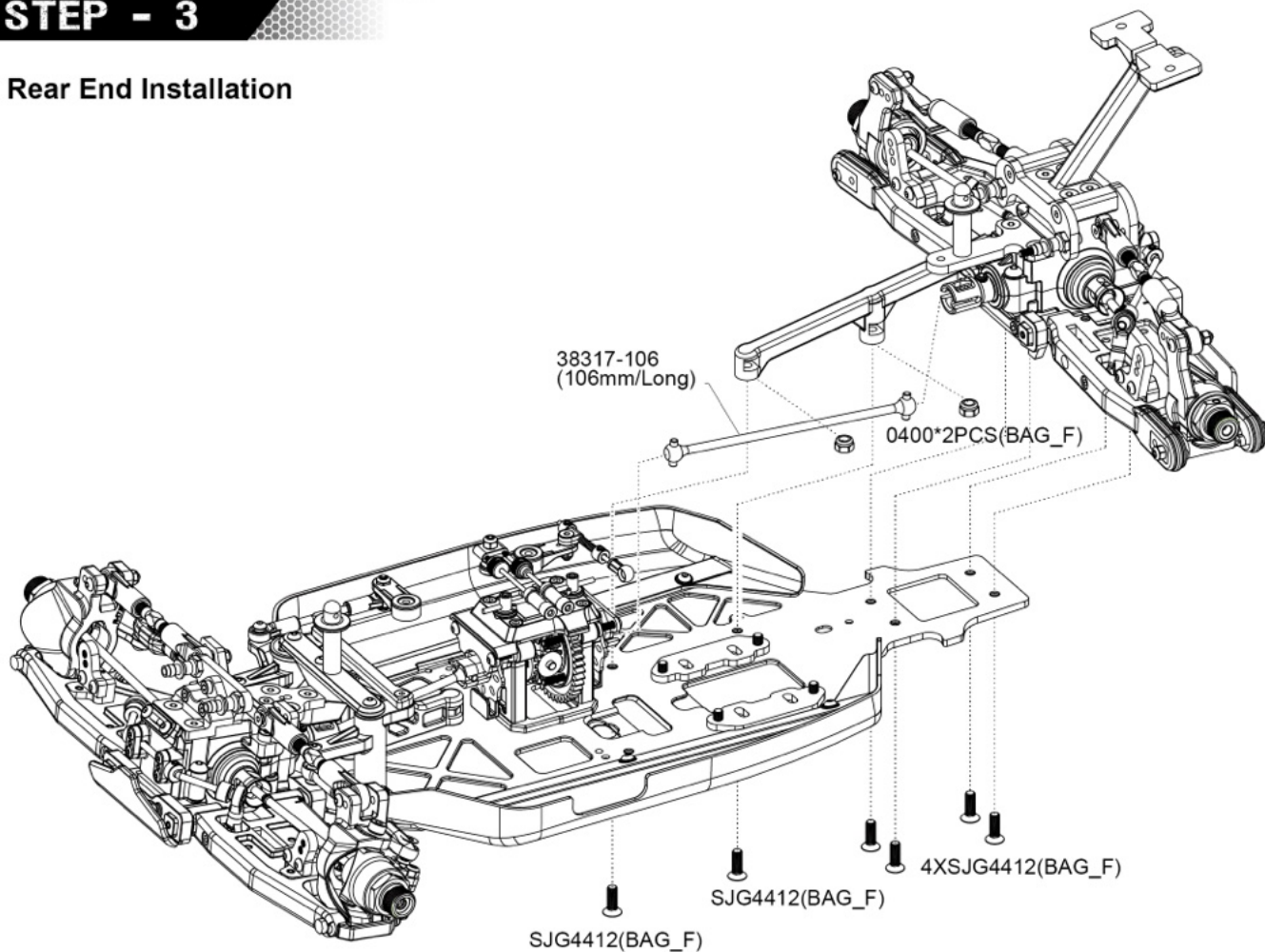
38317-78
78mm/Short

Bottom perspective

SJG4412 x4(BAG_D)

STEP - 3

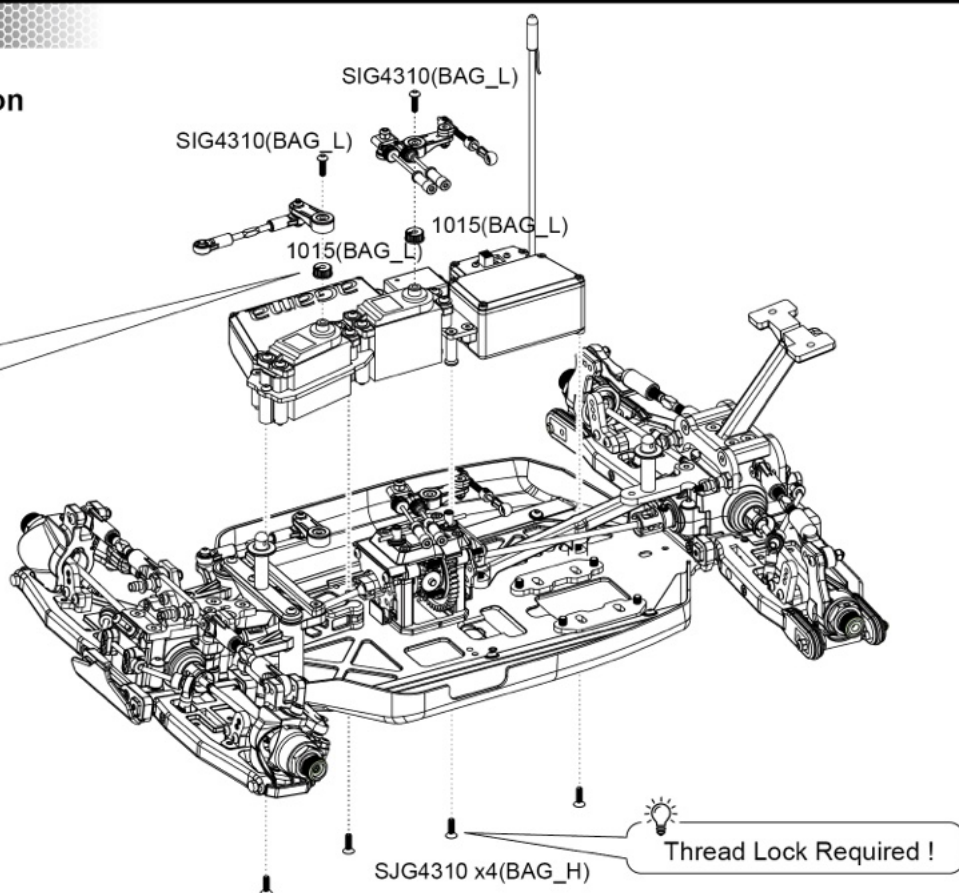
Rear End Installation



STEP - 4

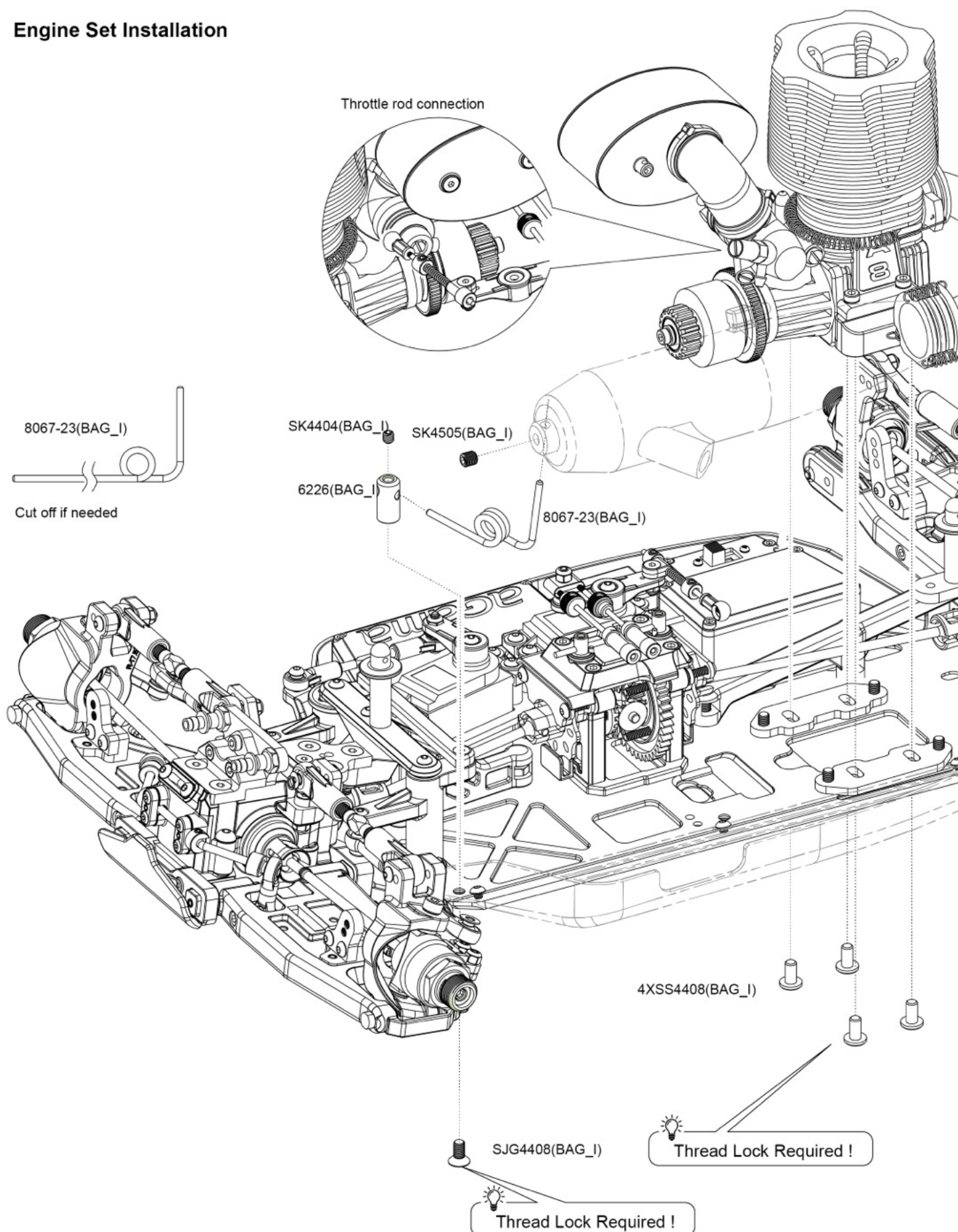
Radio Tray Installation

- 23T SANWA, Airtronics, JR, KO
- 24T Hitec
- 25T Futaba



STEP - 5

Engine Set Installation



STEP - 6

Fuel Tank Installation

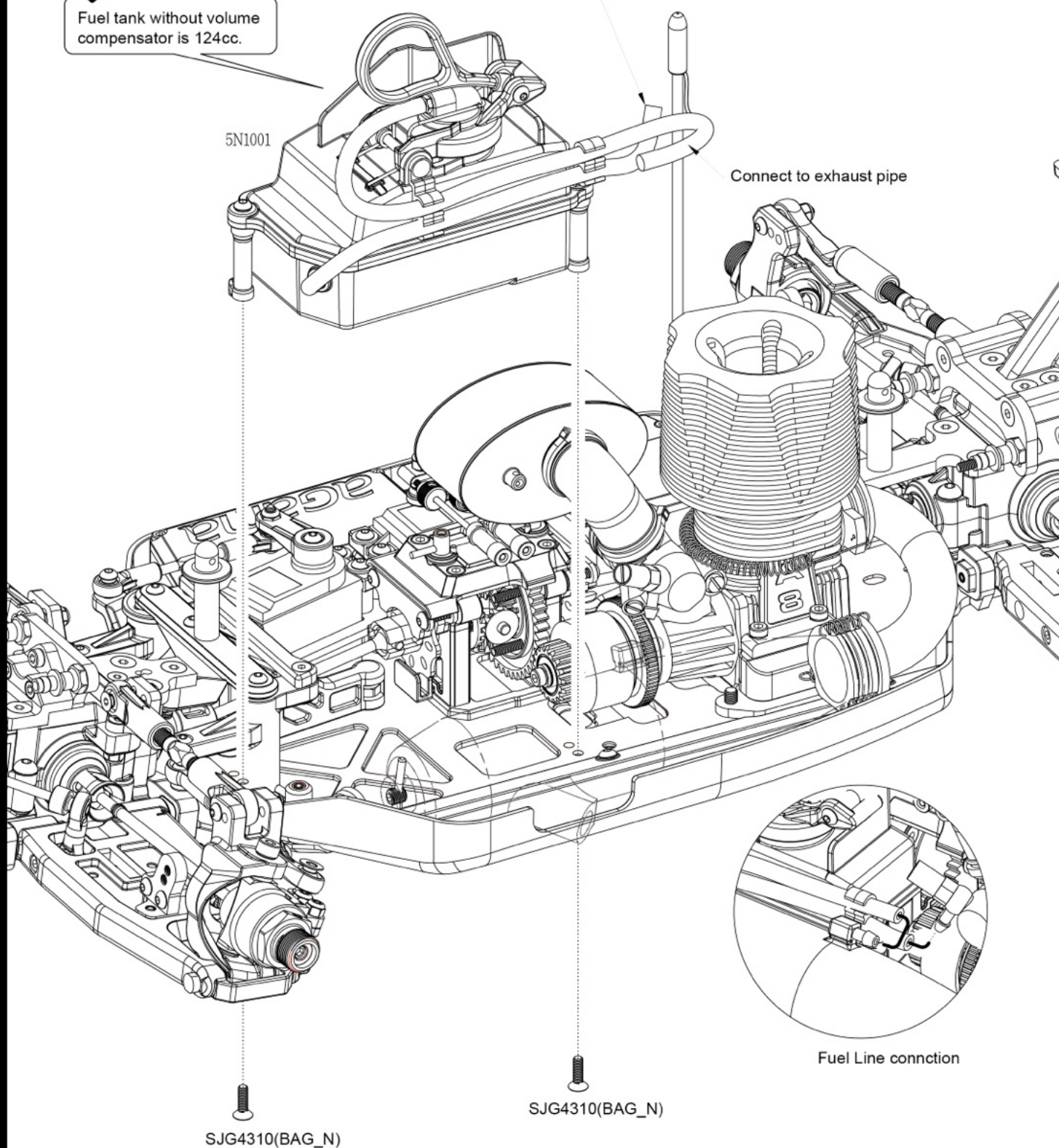


Fuel tank without volume compensator is 124cc.

Connect to carburetor

5N1001

Connect to exhaust pipe



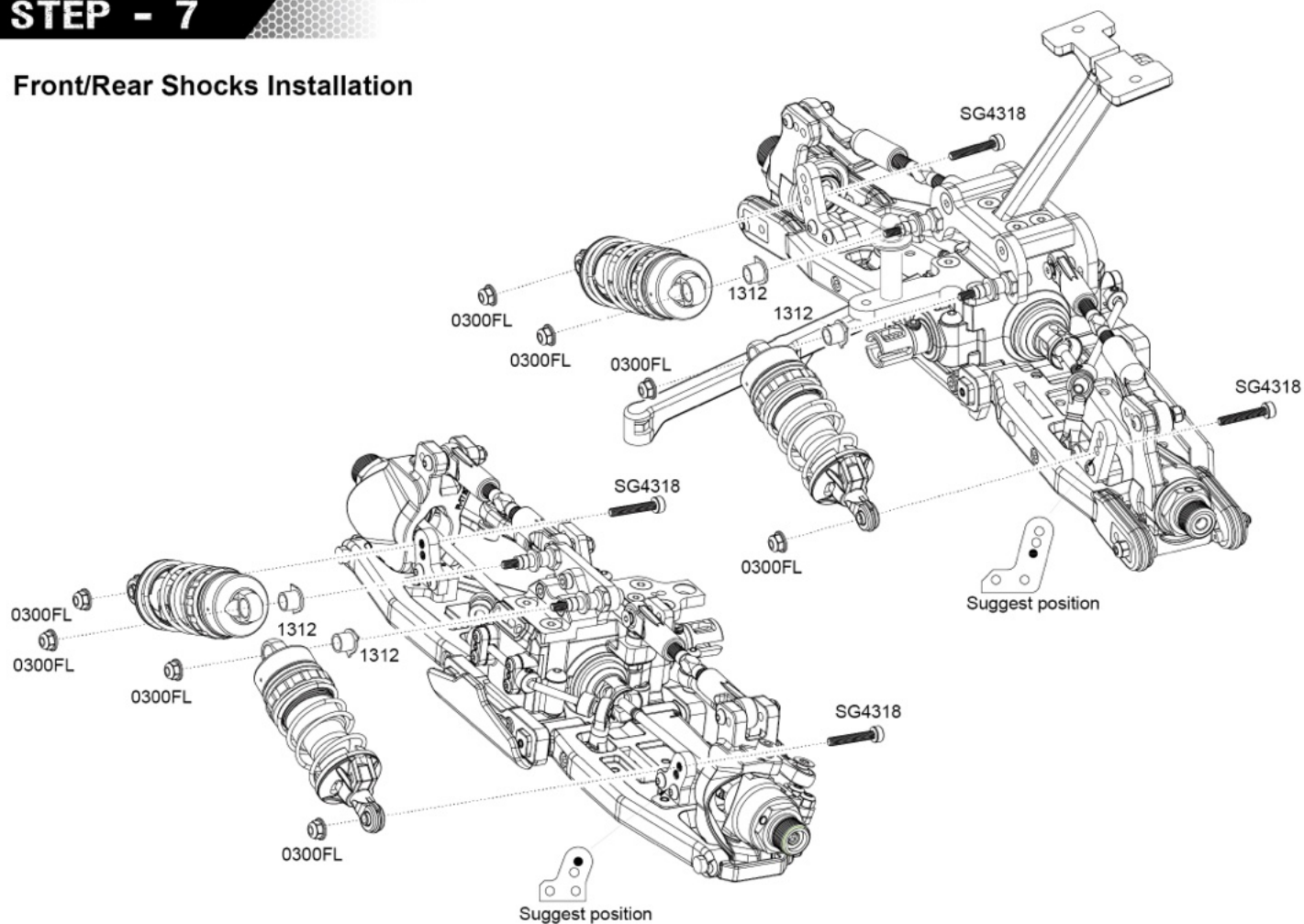
Fuel Line connction

SJG4310(BAG_N)

SJG4310(BAG_N)

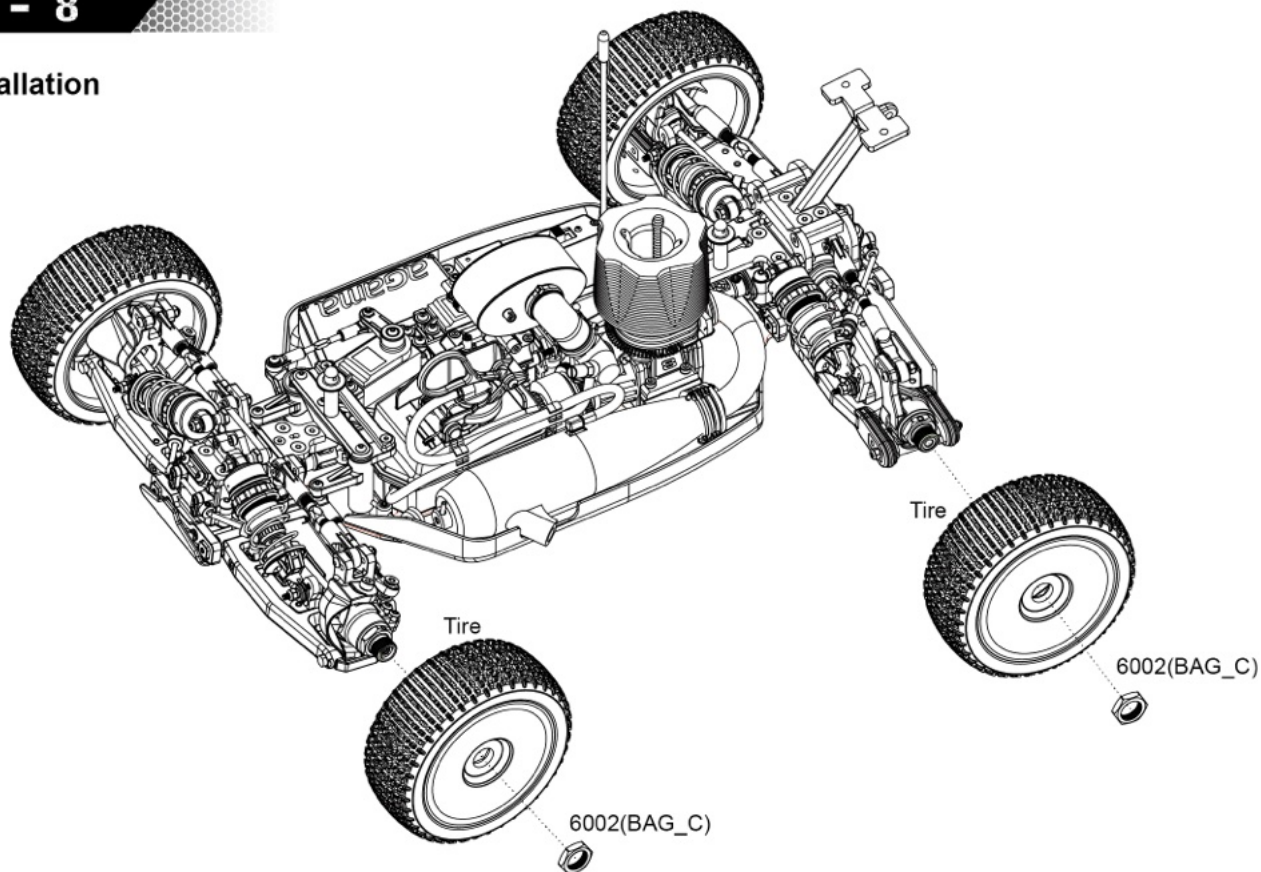
STEP - 7

Front/Rear Shocks Installation



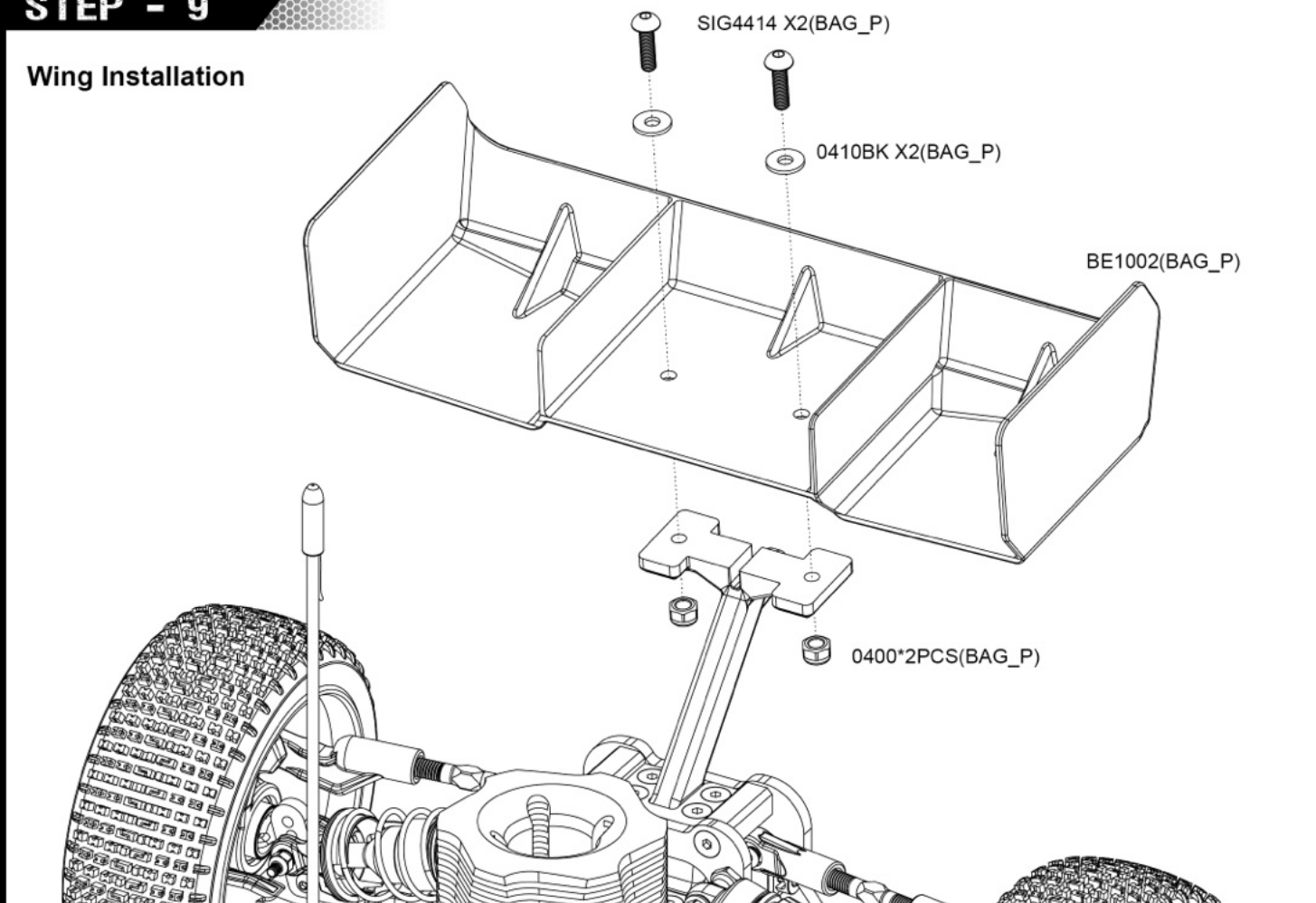
STEP - 8

Tire Installation



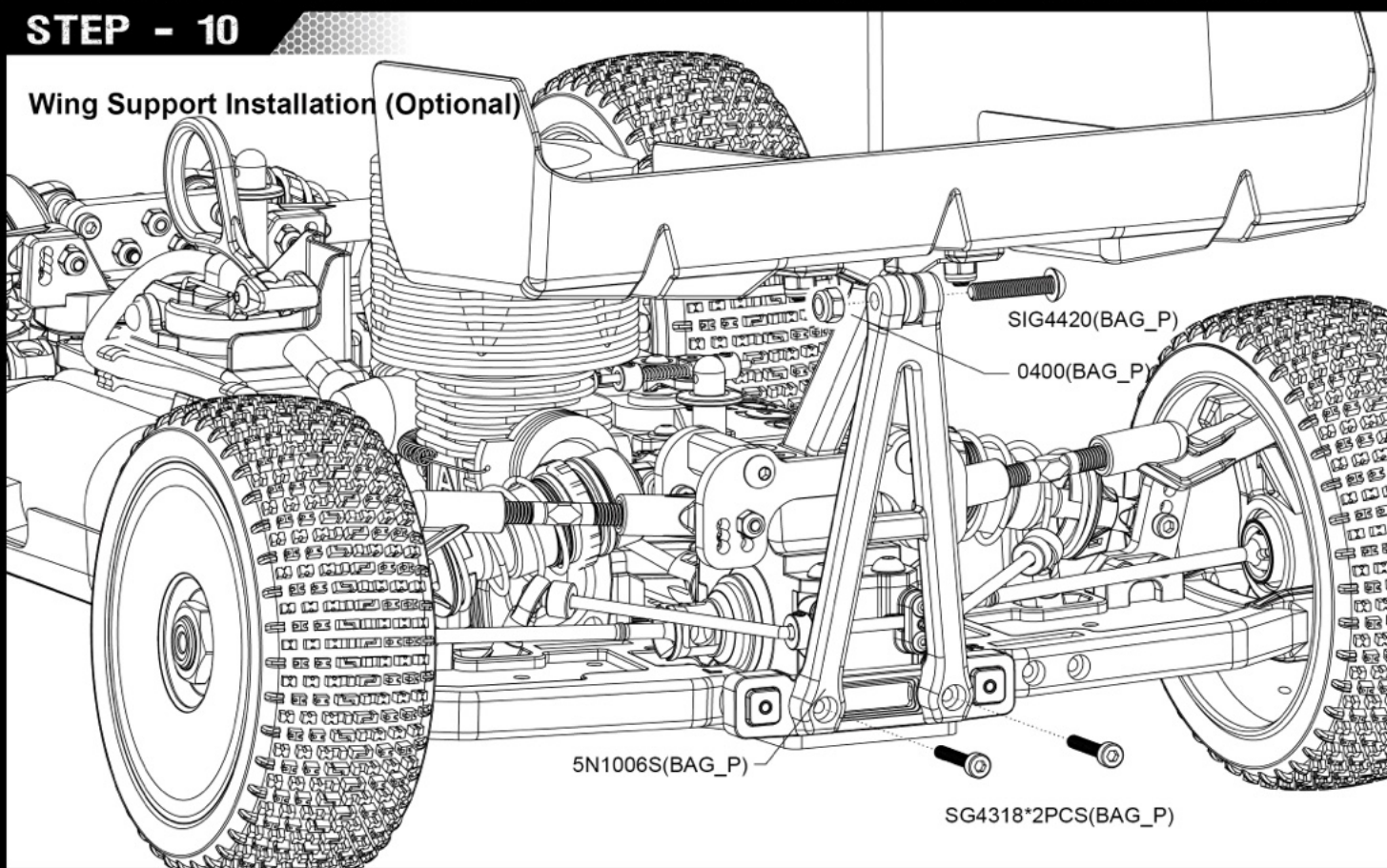
STEP - 9

Wing Installation



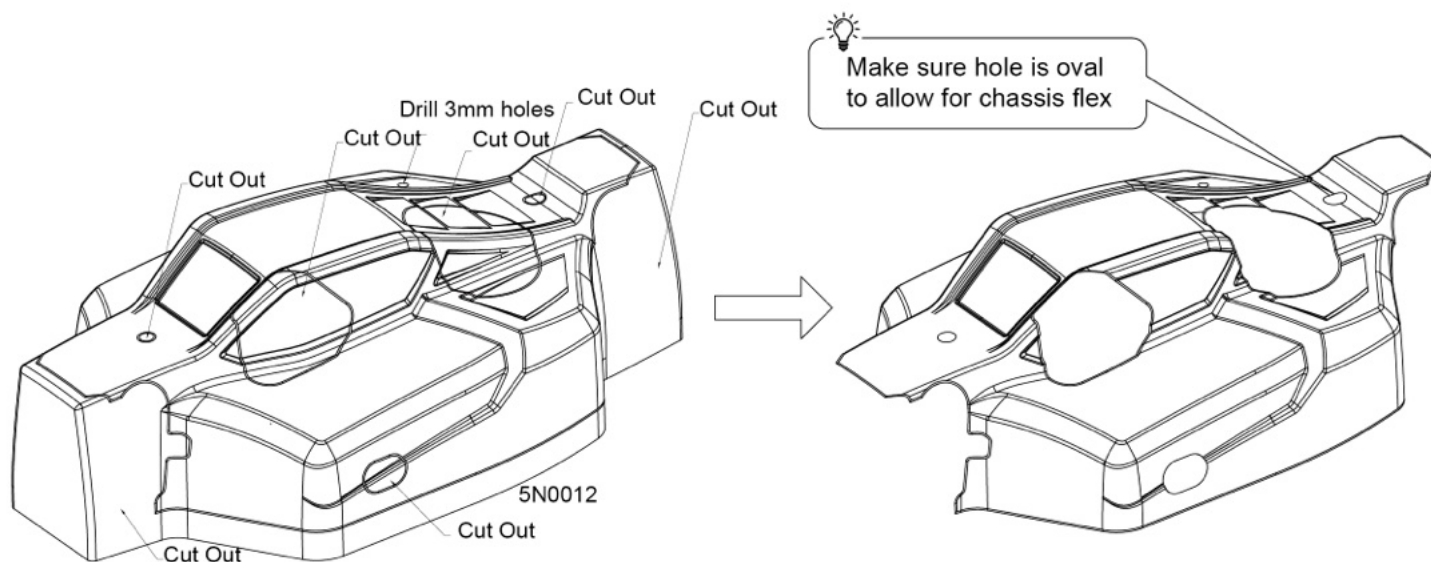
STEP - 10

Wing Support Installation (Optional)



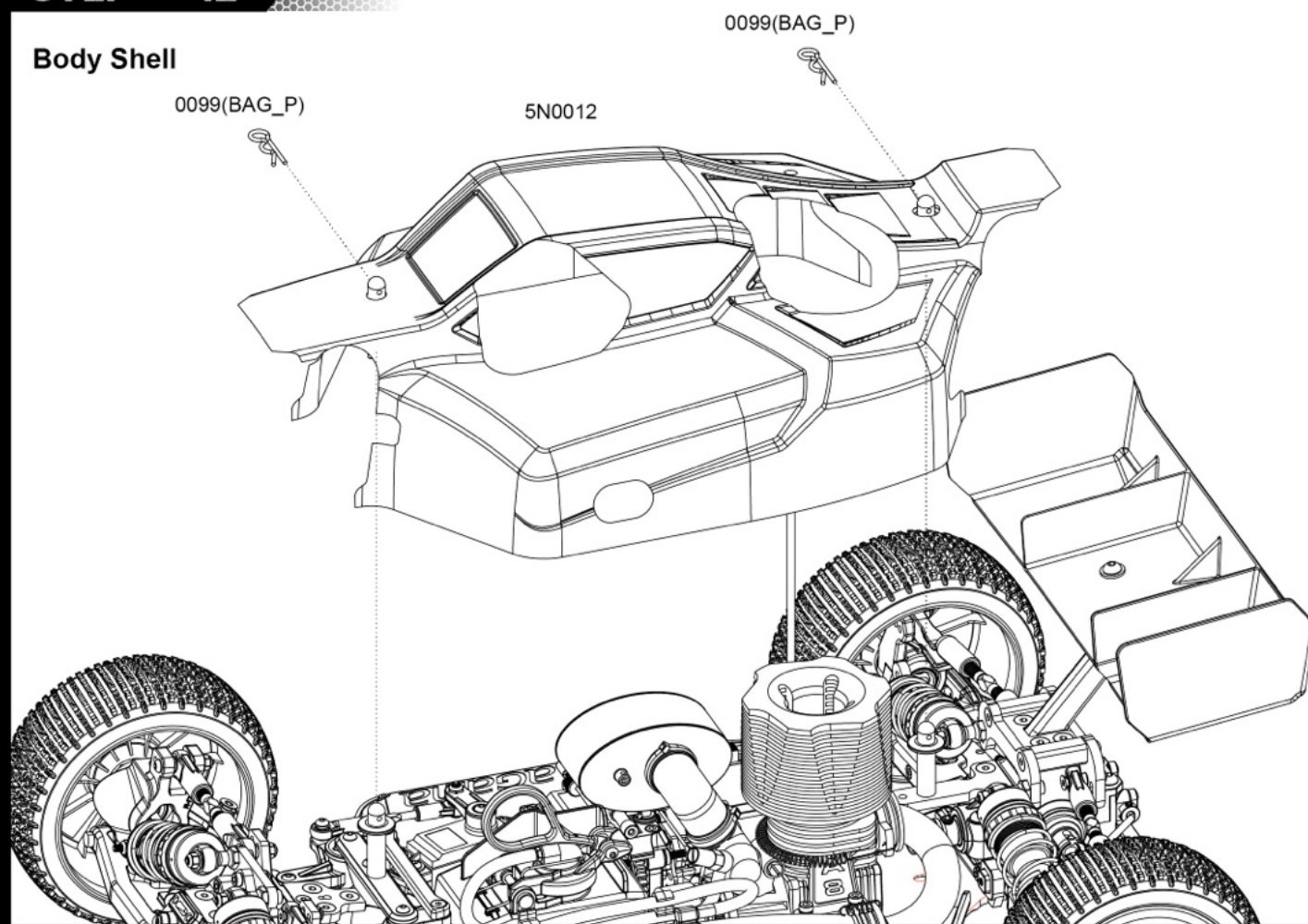
STEP - 11

Body Shell



STEP - 12

Body Shell



TRACK CONDITIONS

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

ENGINE

Gasket

mm

Plug

Muffler

Fuel

Clutch bell ☒ 13T ☐ 14T

Shoes ☒ 3 ☐ 4 Spring 1 mm

DIFF Front

20K

Oil # BETA

Center

10K

Oil # BETA

Rear

10K

Oil # BETA

T

X

T

T

Spur gear 47

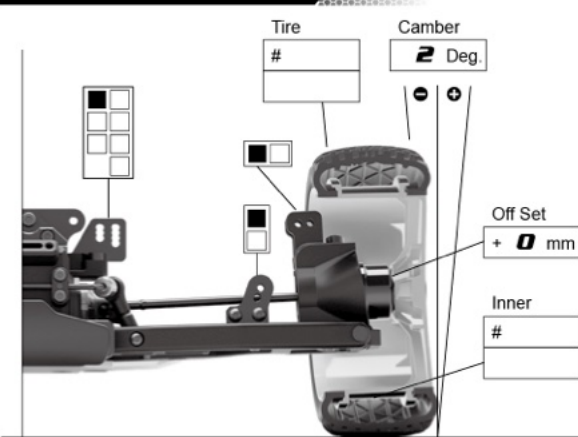
T

T

X

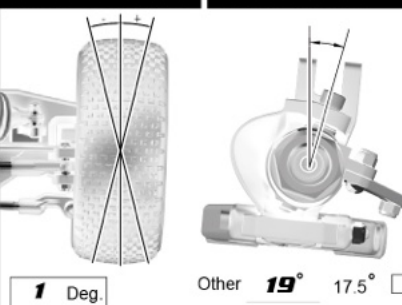
T

FRONT SUSPENSION



FRONT TOE ANGLE

CASTER ANGLE



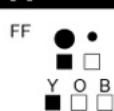
ANTI ROLL BAR

FRONT



U Type

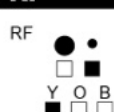
FF



FR



RF



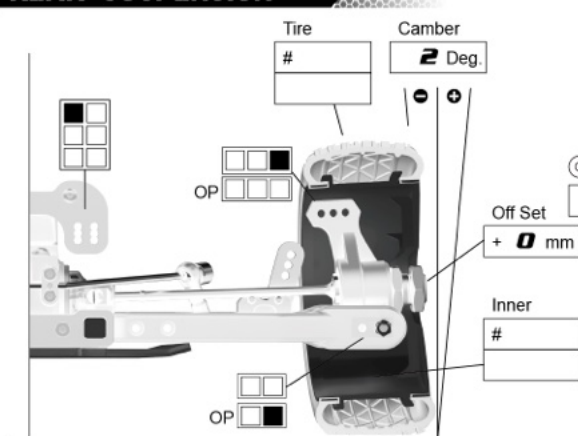
RR



WHEEL BASE

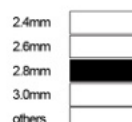


REAR SUSPENSION



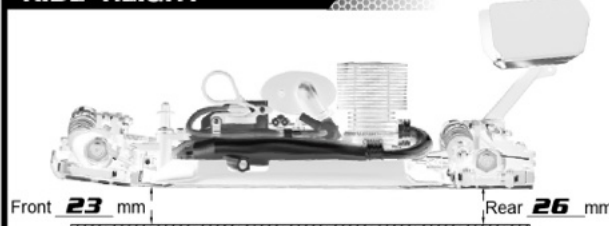
ANTI ROLL BAR

REAR

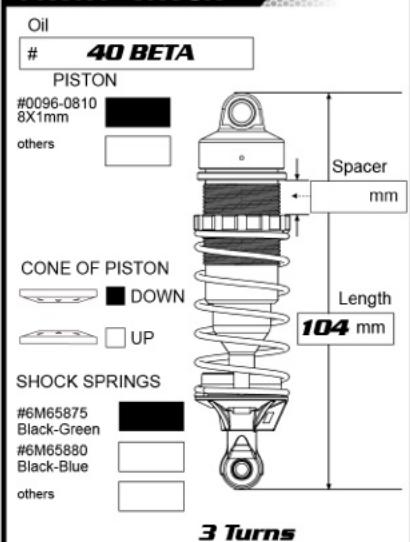


U Type

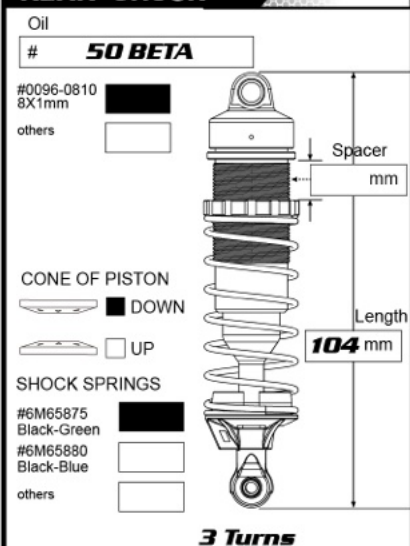
RIDE HEIGHT



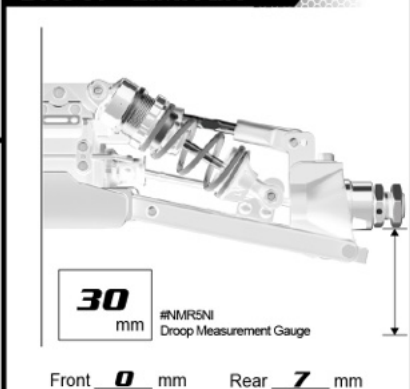
FRONT SHOCK



REAR SHOCK



DROOP LIMITER



Suggested damper settings for Agama N2

Beta Wt	CST Equivalent	Stock 8x1mm Tapered Piston	Temperature	Recommended oil
Beta 20	150	N2 Front Damper	0 to 10 degC	Beta 35 Wt
Beta 25	188		10 to 25 degC	Beta 40 Wt
Beta 30	226		25 to 35 degC	Beta 45 Wt
Beta 35	265		35 degC +	Beta 50 Wt
Beta 40	303			
Beta 45	342	N2 Rear Damper	0 to 10 degC	Beta 45 Wt
Beta 50	380		10 to 25 degC	Beta 50 Wt
Beta 55	419		25 to 35 degC	Beta 60 Wt
Beta 60	457		35 degC +	Beta 65 Wt
Beta 65	496			
Beta 70	534			

NEMORACING

N2
1/8 NITRO BUGGY

