

CEN
RACING

REEPER



**MONSTER
TRUCK^{4WD}**



**AMERICAN
FORCE**
★ EDITION ★

Instruction Manual

POWERED BY

HOBBYWING

SAVÖX

FURY
OFF ROAD

RTR
READY TO RUN!

4WD
FOUR WHEEL DRIVE

2.4
GHZ

PRECAUTIONS FOR SAFE ENJOYMENT OF YOUR R/C CAR

PRECAUTIONS FOR SAFE ENJOYMENT OF YOUR R/C CAR

For children under the age of 13, parental guidance is recommended when running.

ASSEMBLY PRECAUTIONS

- Do not assemble around small children. The parts can be dangerous if accidentally swallowed.
- Check the contents carefully before assembly. Please contact Customer Support if you happen to notice any defective or missing items.
- You will find the assembly process much easier by carefully reading through the manual, and familiarizing yourself with the instructions.
- Many different tools are required during assembly. For safety purposes, please use suitable tools. Exercise extra caution when using a sharp tool such as a hobby knife.
- Many different materials are used for the parts. Use extra care when handling parts with sharp edges, such as machined metal parts.
- When cutting plastic parts, watch for any flying parts.
- Try to assemble any rotating parts or drivetrain parts as smooth as possible.
- Bundle wires neatly away from the ground or any moving drivetrain components. Make sure that all wires are properly connected to prevent shorting.
- Unnecessary modifications may be unsafe and hinder performance.

PRECAUTIONS BEFORE RUNNING

- R/C cars some models may exceed speeds of 40km per hour. Practice common sense and run the car in open safe places, or R/C car tracks.
- Do not run the car on public roads with high amounts of traffic, or in areas that may cause an inconvenience to people in that area.
- R/C cars are controlled using a radio frequency. In a worst-case scenario. Radio interferences may cause loss of control.
- If others near you are running R/C cars, confirm that they are not running on the same frequency.
- R/C cars do not like water. Avoid running on rainy days, or areas with water puddles. Exposure of the electronics to water may cause loss of control or damage to the electronics.
- The drivetrain of an R/C car consists of many moving parts like gears, shafts, and tires. Avoid touching these areas when the battery is connected.
- Many parts of an R/C car will become hot after running. Allow the parts to sufficiently cool before conducting any maintenance.

BEGINNING A RUN

1. Place the R/C car on a stand so the wheels are off the ground.
2. Confirm that the speed controller switch is OFF, and connect the motor and battery.
3. Extend the transmitter antenna and turn the switch ON. (It is unsafe to use a transmitter with low voltage. Make sure that the transmitter batteries are good before running)
4. Turn the speed controller switch ON.

FINISHING A RUN

1. Turn the speed controller switch OFF.
2. Disconnect the battery.
3. Turn the transmitter switch OFF, and retract the antenna.

BATTERY USAGE

(Carefully read the instruction included with the batteries.)

- When charging batteries, make sure that the surrounding area is void of anything highly flammable. Also avoid charging in high-temperature locations.
 - When charging batteries, frequently monitor the charging it catch on fire.
- If the battery reaches 50 degrees Celsius or more, stop charging.
- Batteries will become hot after running. Continuous use of the battery pack may result in damage to the cells. Allow the battery too cool down before re-charging. Using a battery conditioner after running may prolong the life and performance of the battery.
 - Please do not discard old battery packs in the trash. Although inconvenient, please locate a battery disposal center.

MOTOR USAGE

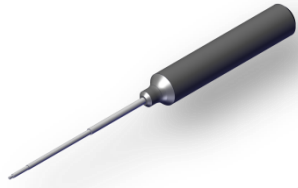
(Carefully read the instruction included with the motor.)

- Connecting a 7.2V battery directly to the motor can be very dangerous.
 - Choose a gear ratio that matches the power characteristics of the motor.
- Using a gear ratio unsuited to the characteristics of the motor will not only prevent the motor from performing at its optimum, but may even cause damage to the other electronics.
- Motors will generally become very hot after running. Continuous running will reduce the life of the motor. Allow the motor to sufficiently cool between each run.

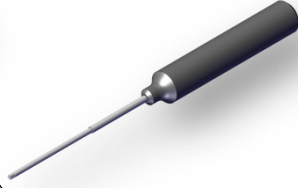
Tools Required(Not Included)

Wrench

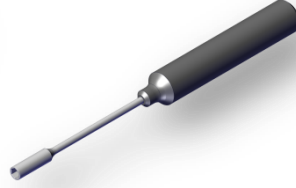
1.5mm Hex Wrench



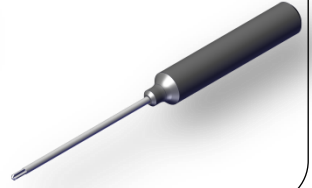
2.5mm Hex Wrench



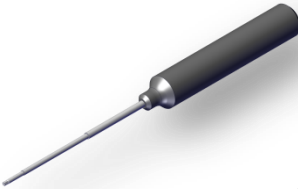
5.5mm Hexagon Socket



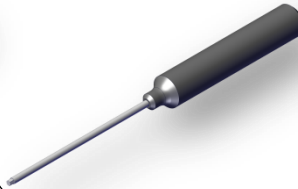
Phillips Screw Driver



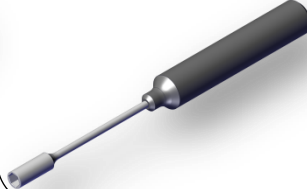
2.0mm Hex Wrench



3.0mm Hex Wrench

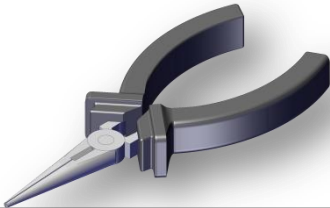


7.0mm Hexagon Socket

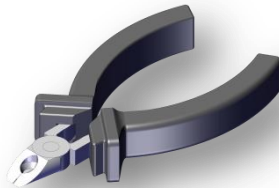


Plier

Needle-Nose Pliers



Cutter Pliers

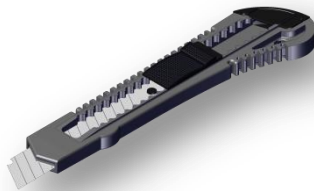


Miscellaneous

Scissors



Utility Knife



Thread Lock

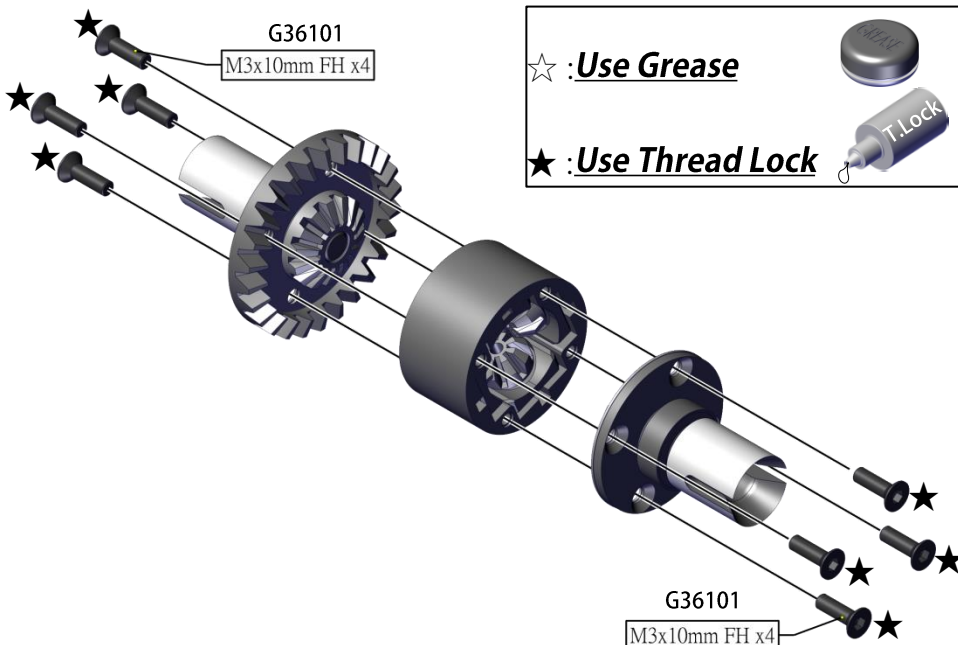
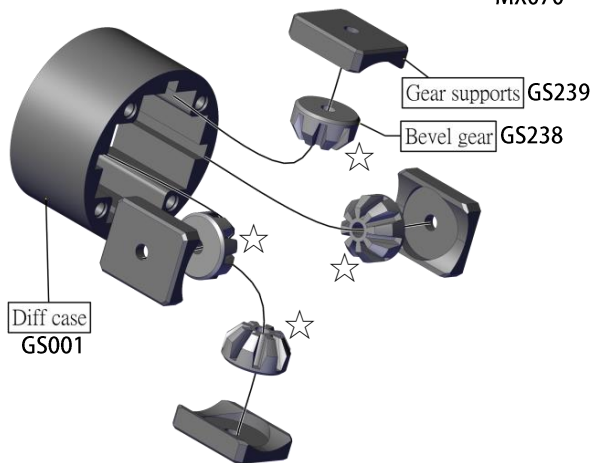
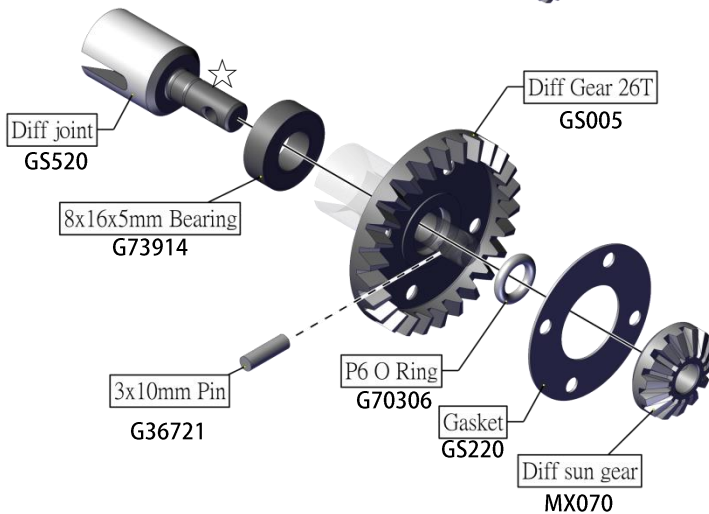
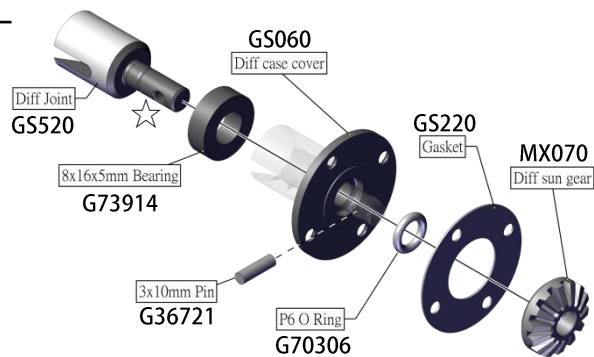
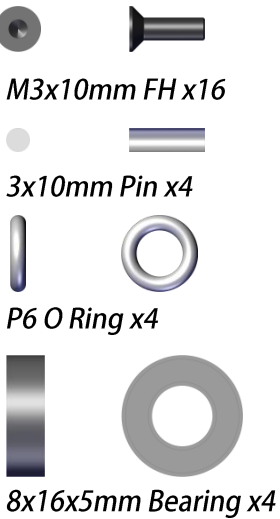


Grease



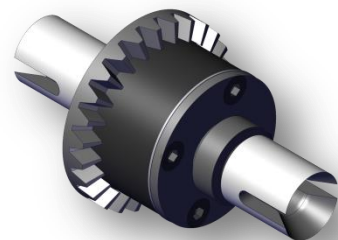
1:1

Front and Rear Differential Assembly



☆ : Use Grease

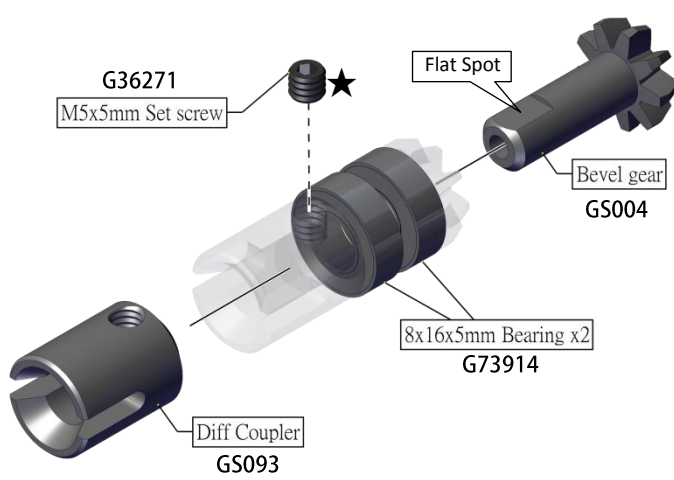
★ : Use Thread Lock



1:1

Front and Rear Gear Box

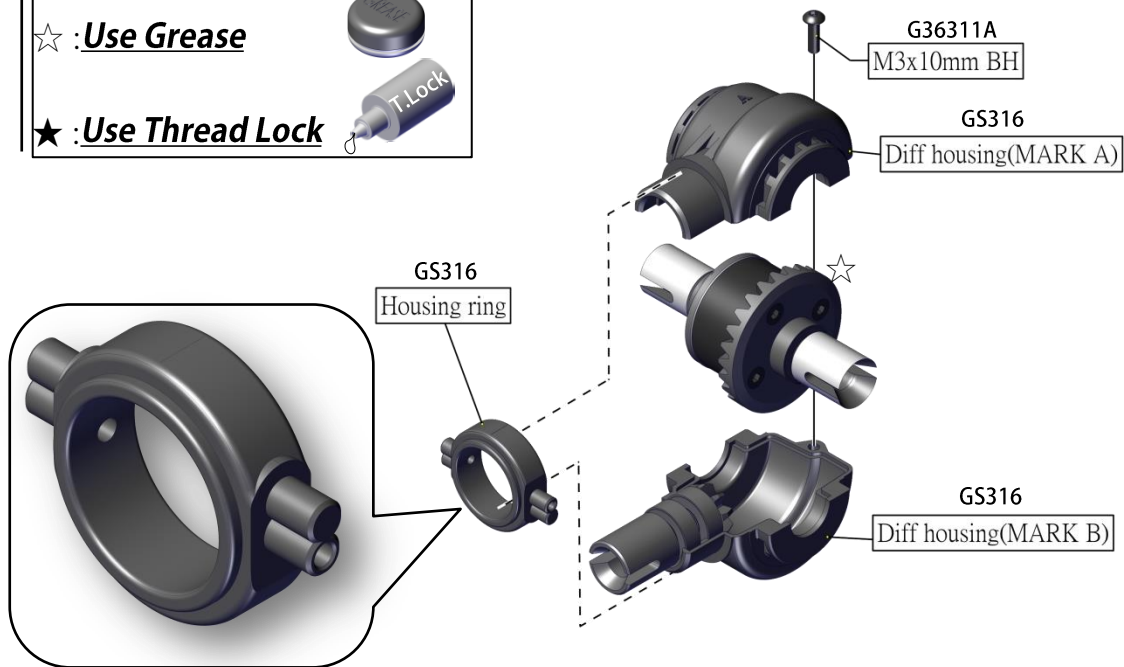
- M3x10mm BH x2
- M5x5mm Set screw x2
- 8x16x5mm Bearing x4



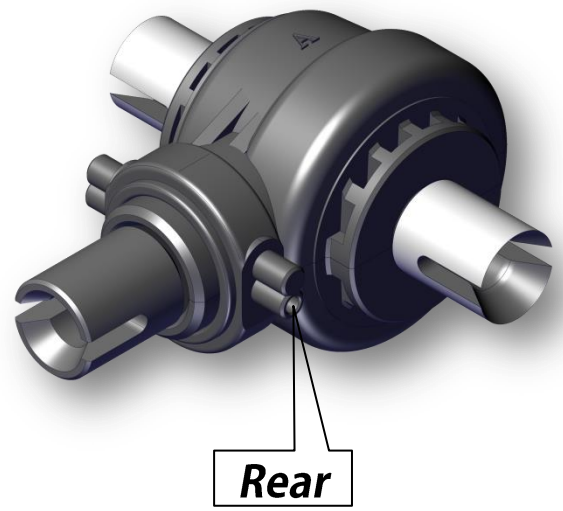
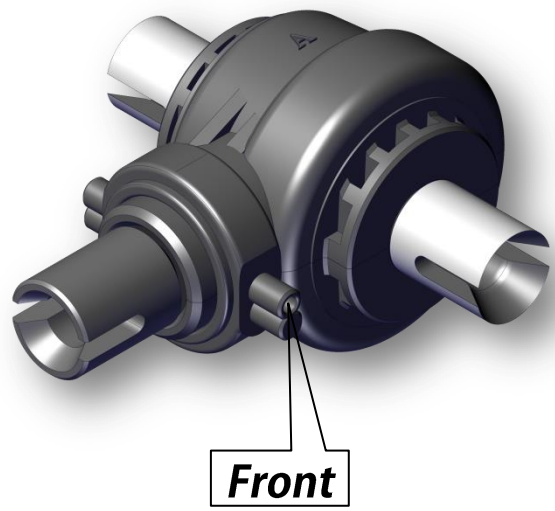
Note:
Firmly Tighten the 5x5 Set Screw onto the flat spot leaving the gap about 0.2mm.

☆ : **Use Grease**

★ : **Use Thread Lock**



⚠ **Pay Attention to the Proper Orientation**



1:1

Front and Rear Bulkhead



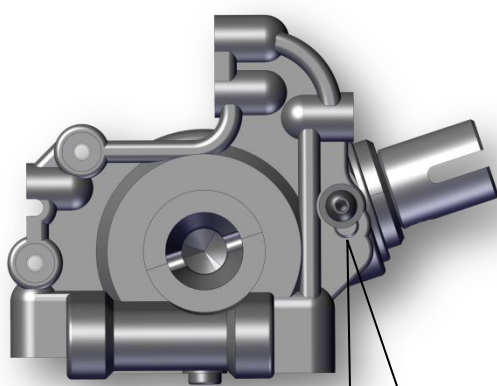
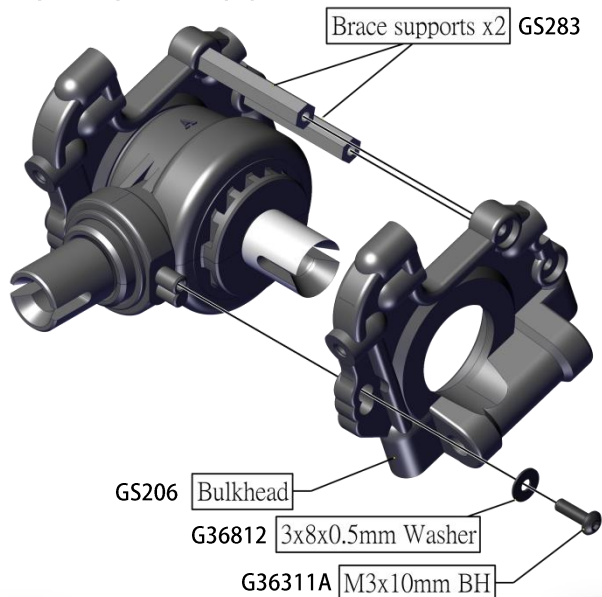
M3x10mm BH x4



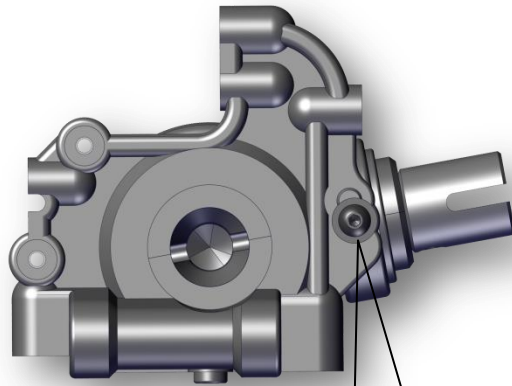
3x8x0.5mm Washer x4



Brace supports x4



Front End

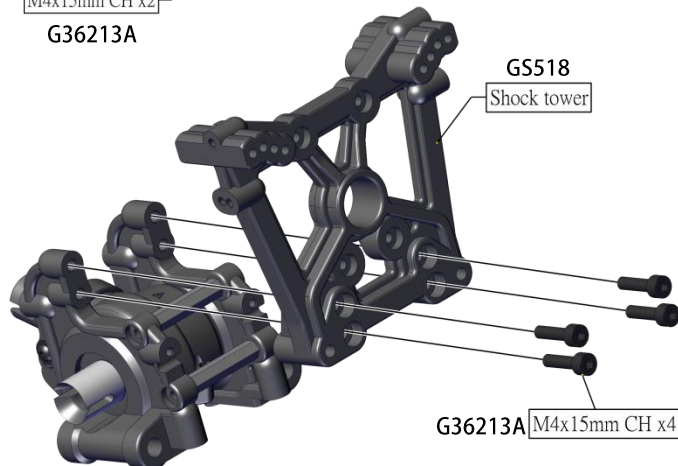
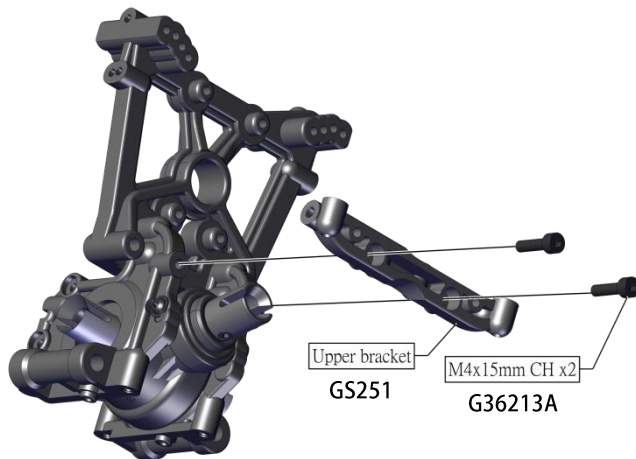


Rear End



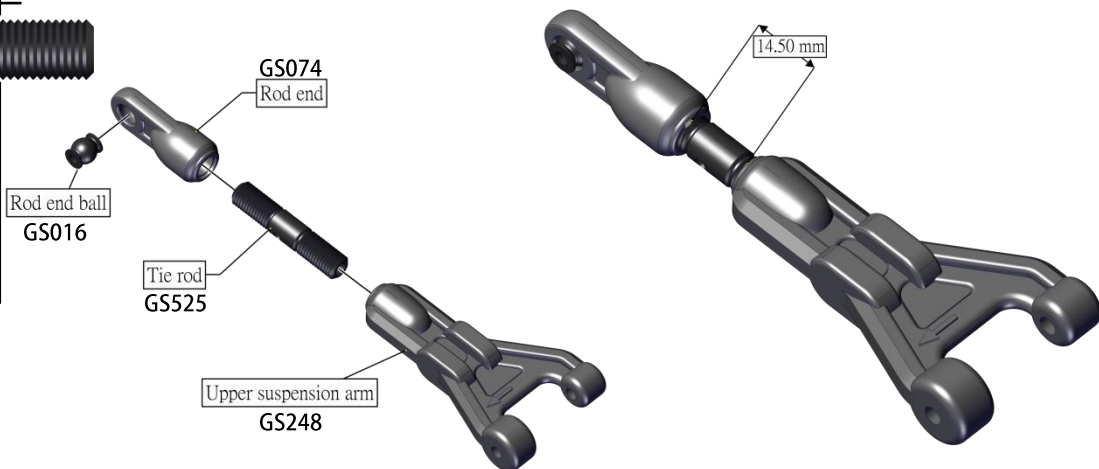
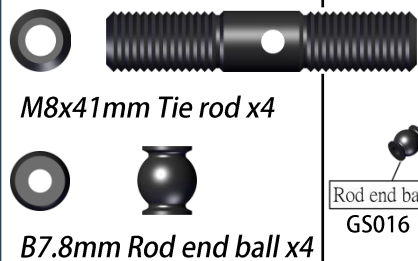
M4x15mm CH x12

Front and Rear Shock Tower & Upper Bracket



1:1

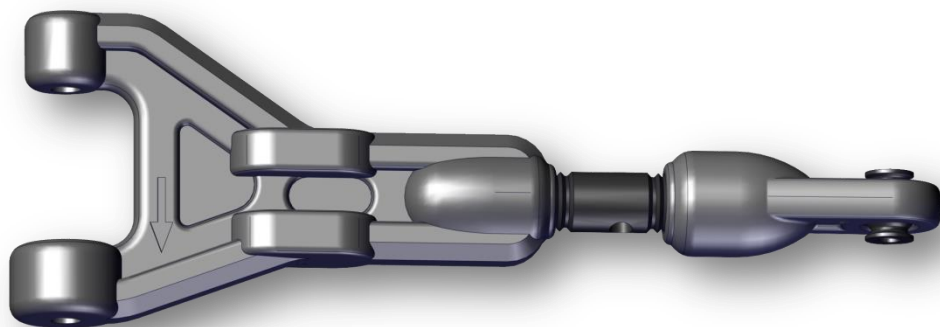
Front and Rear Upper Suspension Arm



Reverse threaded

Adjuster Holes

Normal threaded



Upper Suspension Arm Assembly x4

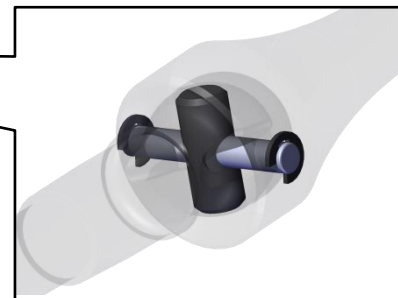
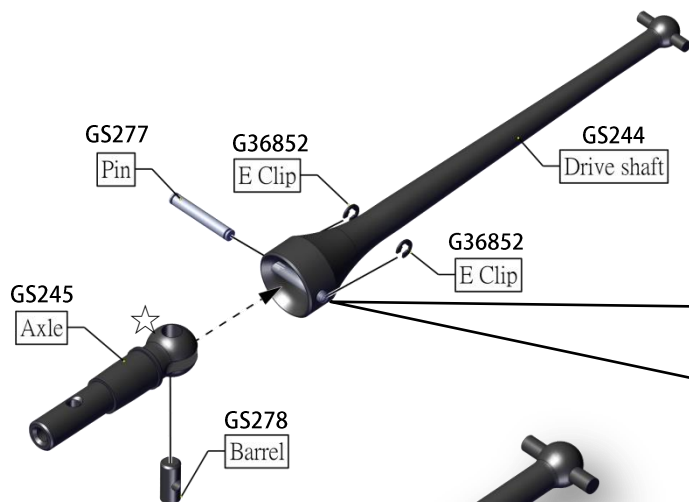
1:1

Front and Rear Driveshafts

3x18mm Pin x4

E2 Clip x8

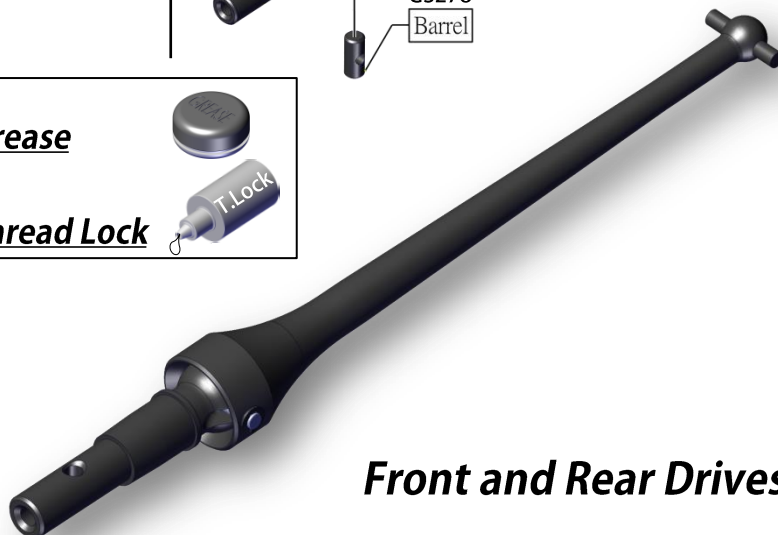
Barrel x4



Insert the barrel into the axle
Align pin hole ,Push pin thought
and secure with two "E" clips.

☆ :Use Grease

★ :Use Thread Lock



Front and Rear Driveshaft Assembly x4

1:1

Front and Rear Spindle Assembly

M3x4mm Set screw x4



8x16x5mm Bearing x4



10x19x7mm Bearing x4



3x22mm Pin x4

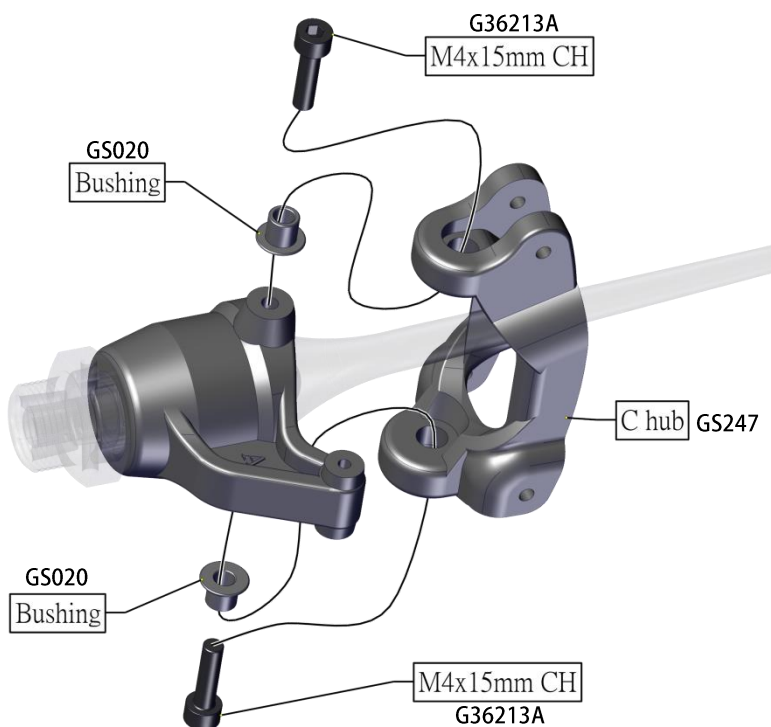
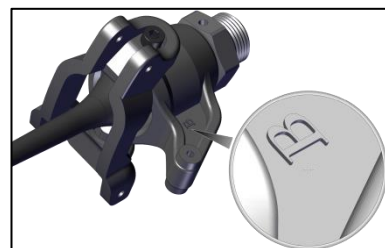
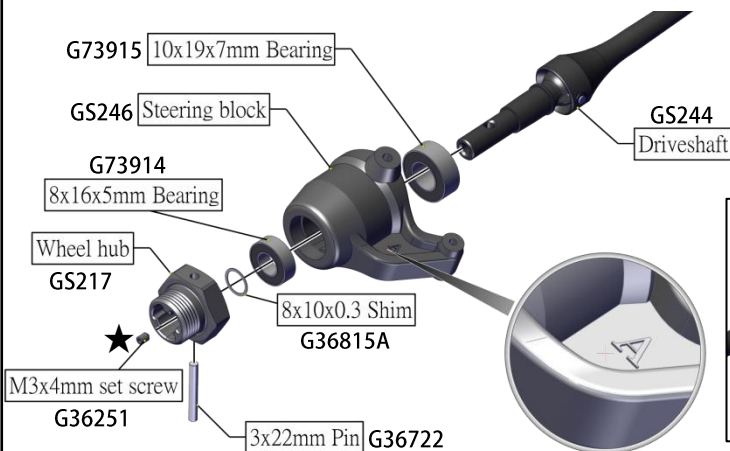


M4x15mm CH x8



Bushing x8

8x10x0.3mm Shim x2



☆ : Use Grease

★ : Use Thread Lock



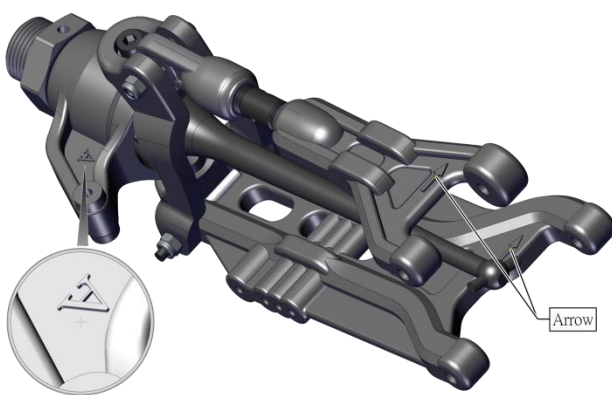
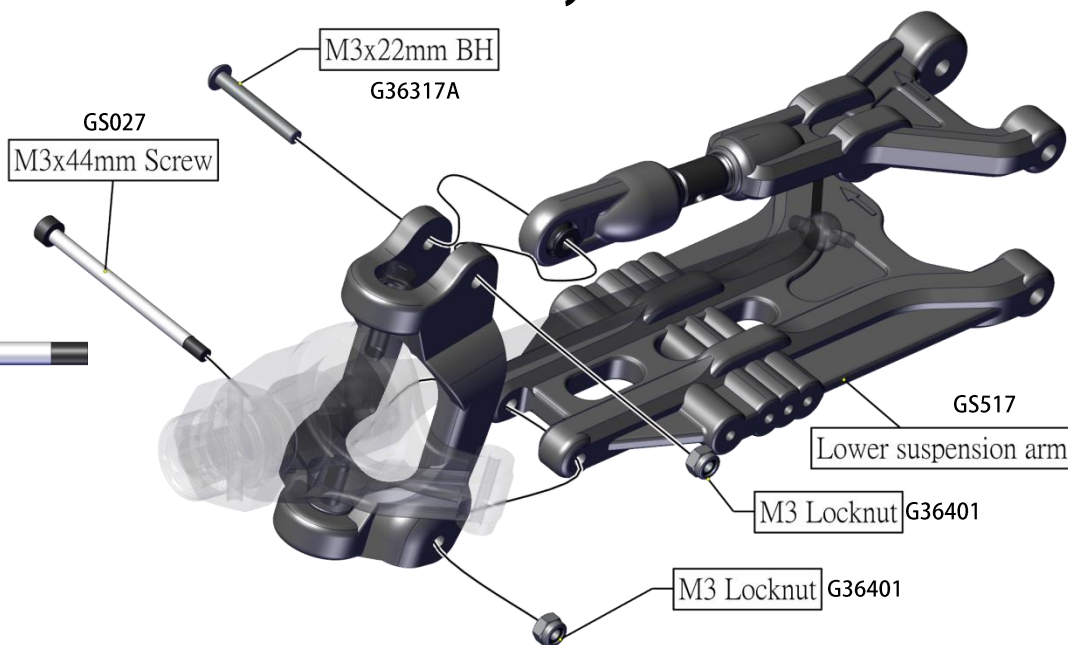
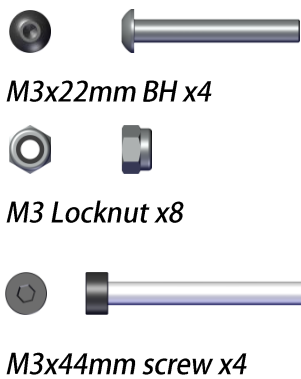
Left Assemble 2 Sets



Right Assemble 2 Sets

1:1

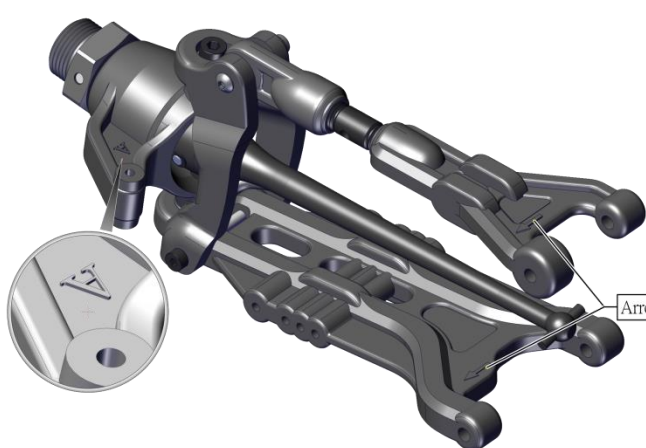
Front and Rear Arms Assembly



Front Left



Front Right



Rear Left



Rear Right

1:1

Front End Suspension Assembly



Bushing x4



M4 Locknut x2

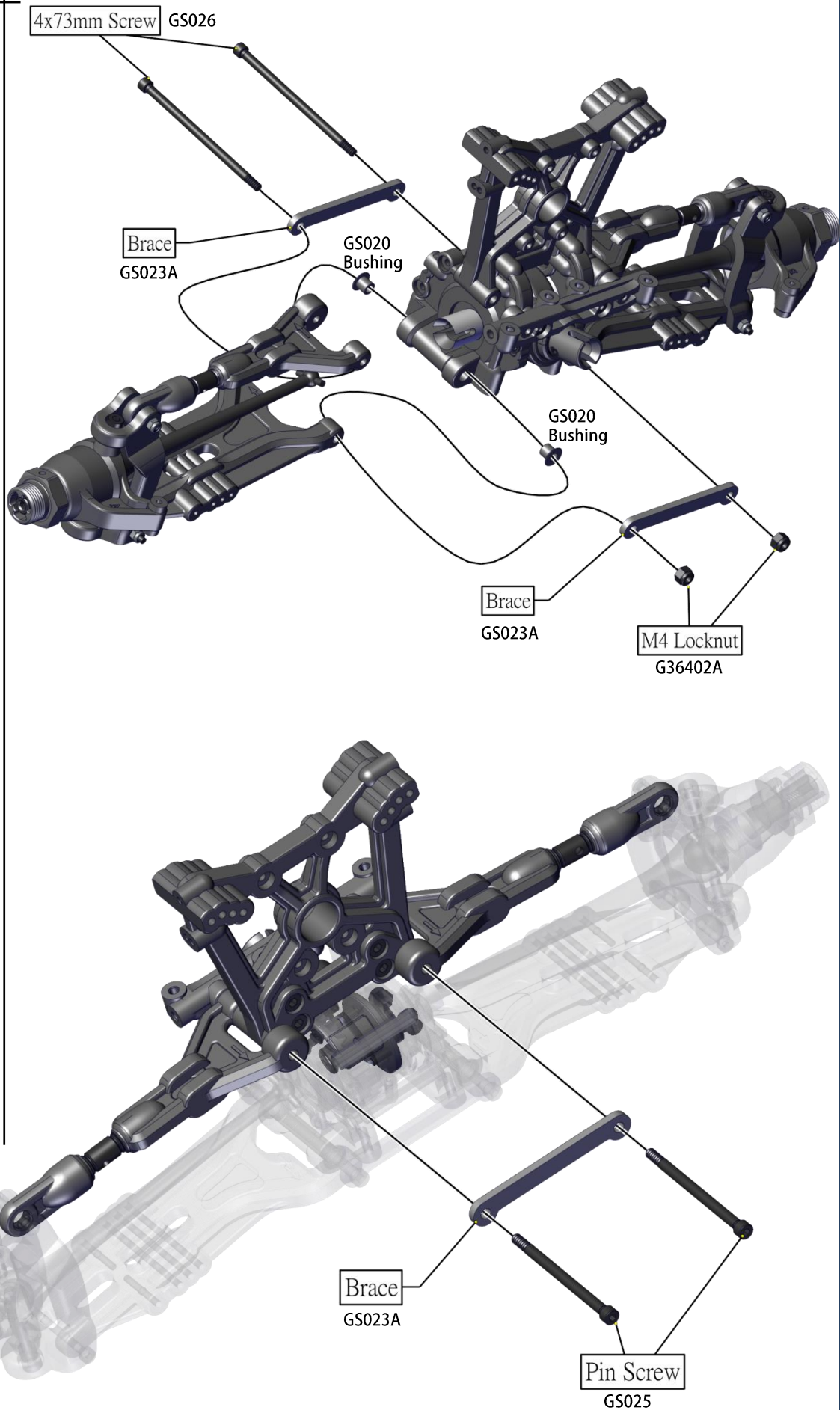


4x56mm
Pin screw
x2

4x73mm
Pin screw
x2



Brace
x3

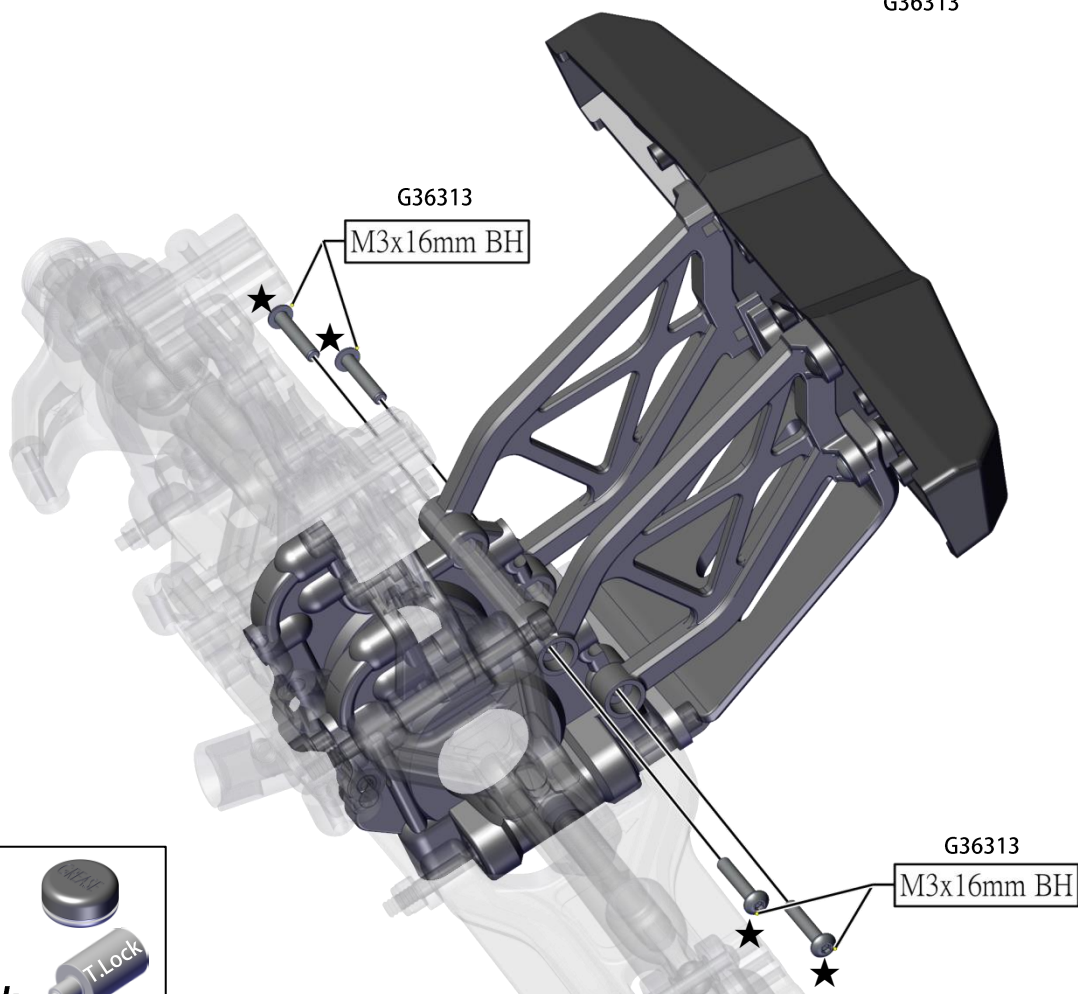
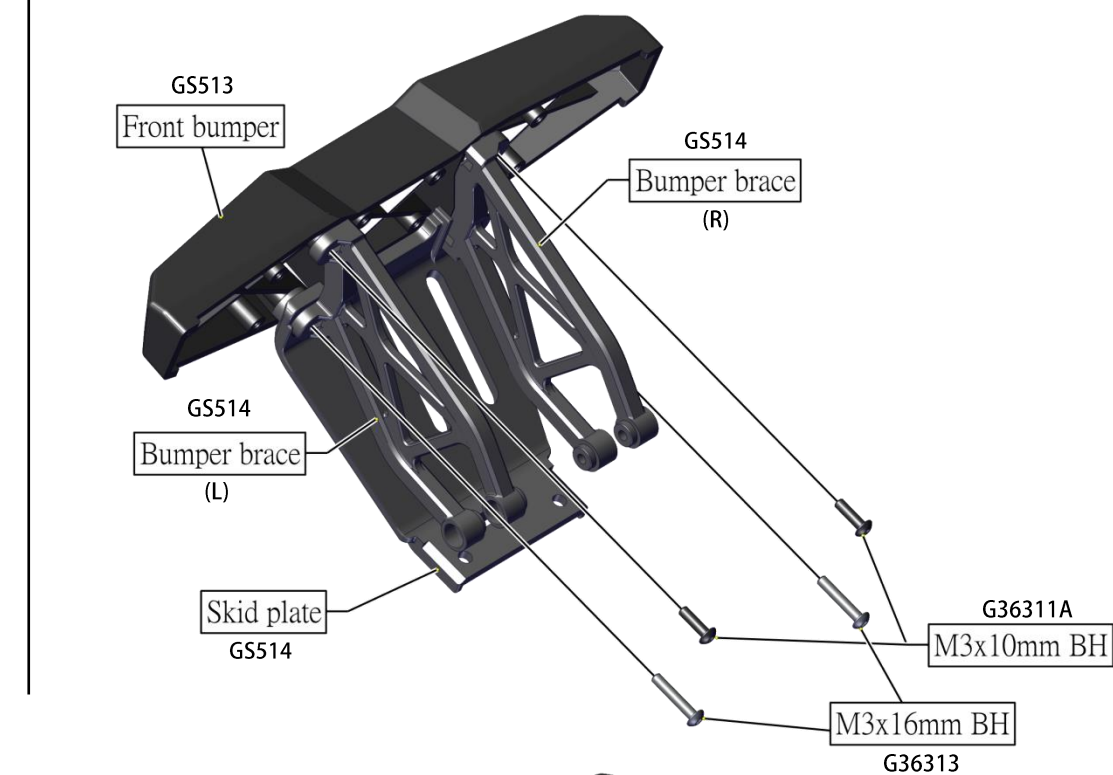


1:1

Front Bumper


M3x10mm BH x2


M3x16mm BH x6



☆ : Use Grease



★ : Use Thread Lock



1:1

Servo Saver/Steering Bellcrank



12x16x0.5mm shim x2



ST Washer x2



ST bolt bush x2



6x10x3mm Bearing x4



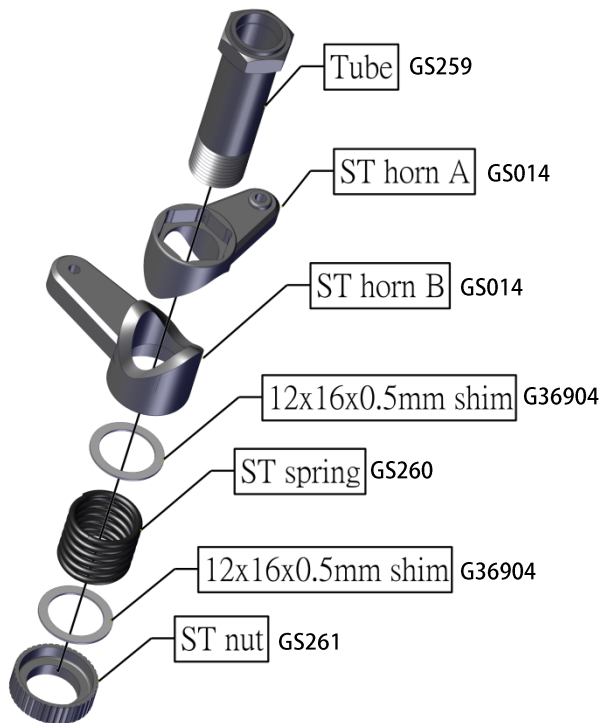
M3x16mm BH x2



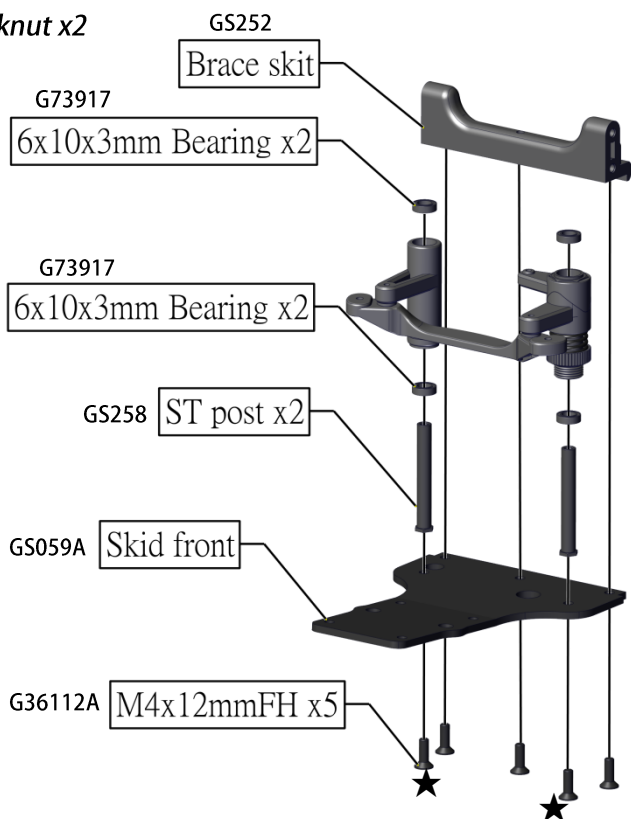
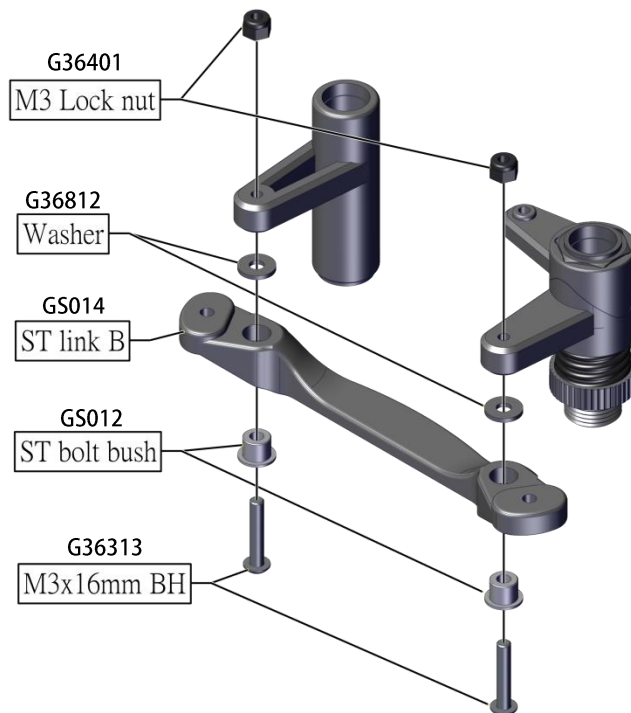
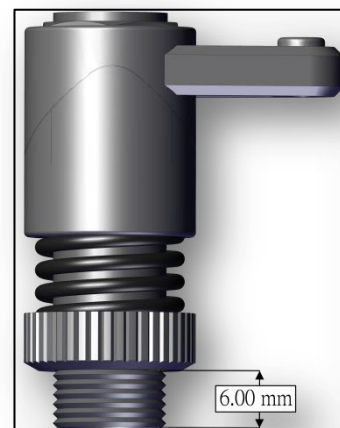
M4x12mm FH x5



M3 Locknut x2



1:1



☆ :Use Grease

★ :Use Thread Lock

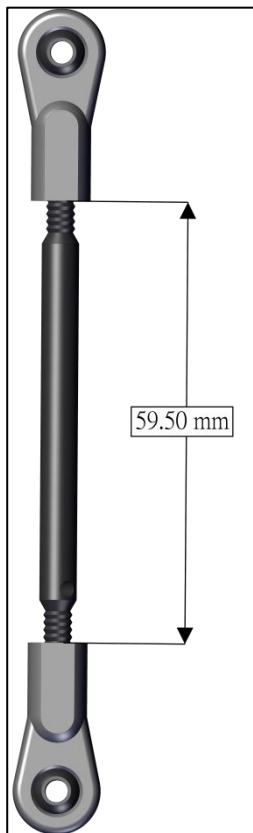
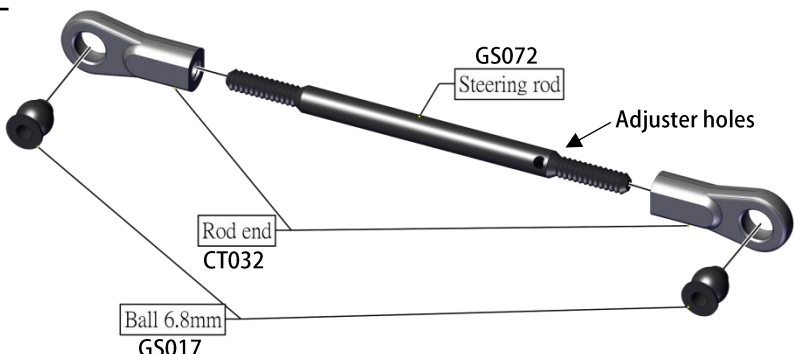


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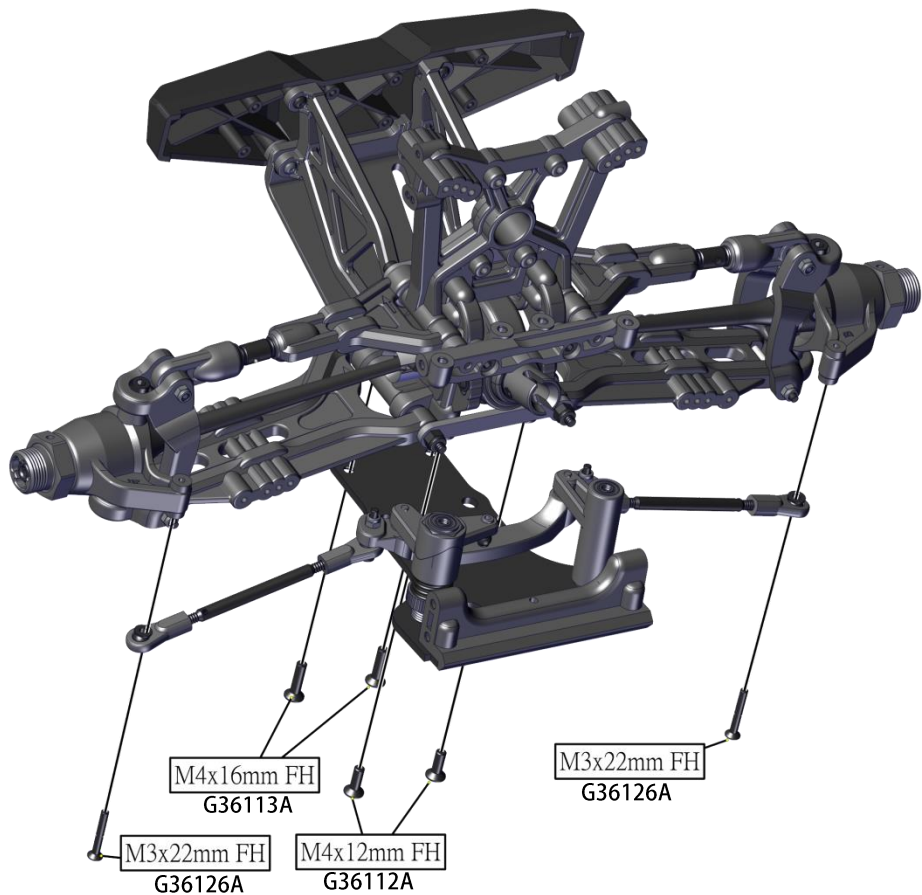
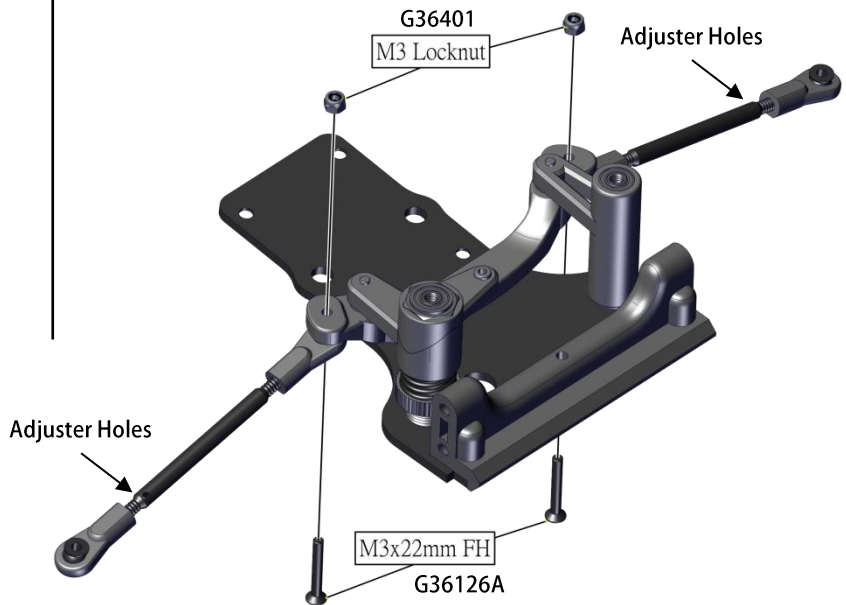
Front Skid Plate/Steering Rod

1:1

- M3 Locknut x2
- Ball 6.8mm x4
- M3x22mm FH x4
- M4x12mm FH x2
- M4x16mm FH x2



Assembly x2



1:1

Rear End Suspension Assembly



Bushing x4



M4 Locknut x2

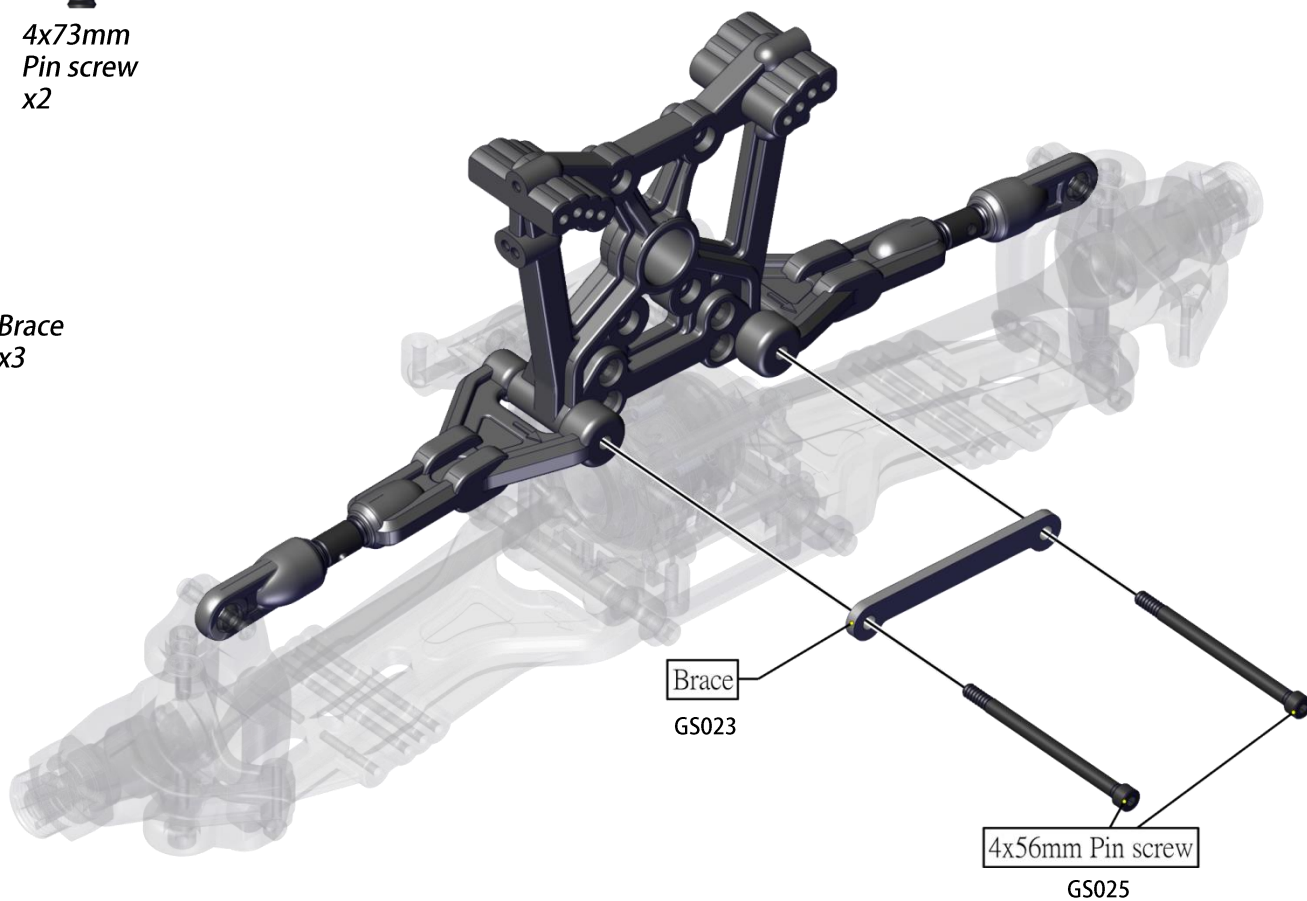
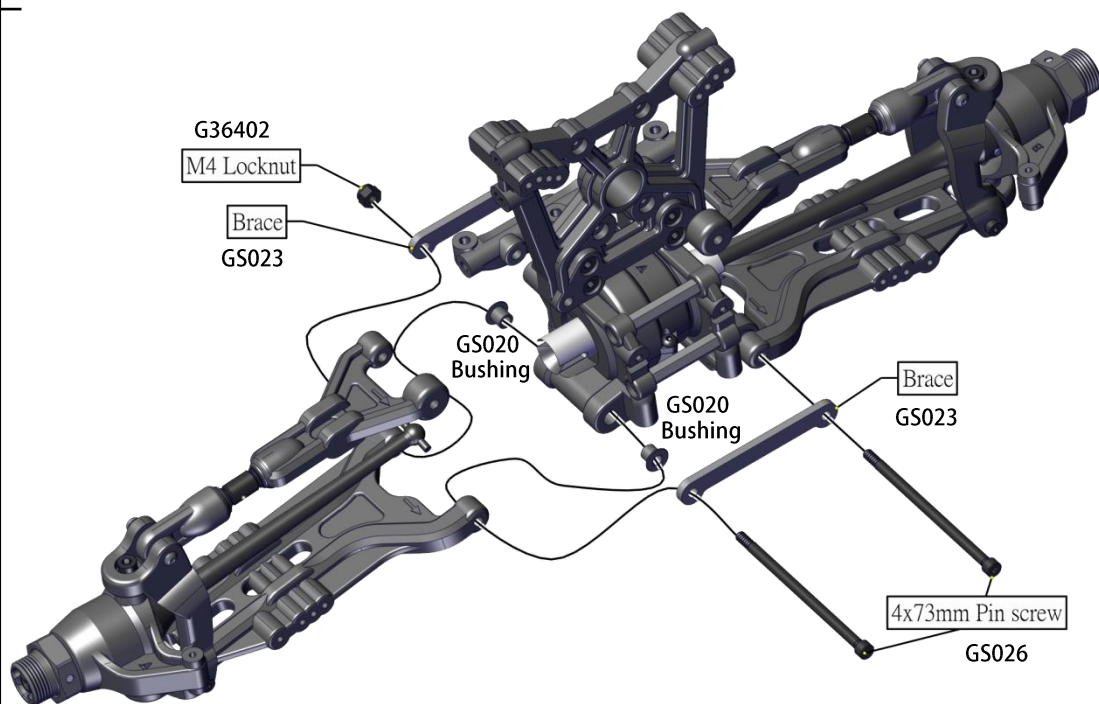


4x56mm
Pin screw
x2

4x73mm
Pin screw
x2



Brace
x3

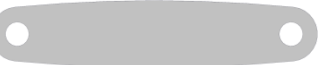


1:1

Rear Toe-In Bar



7.8mm Ball x4



Toe in brace x1



M3x20mm BH x2



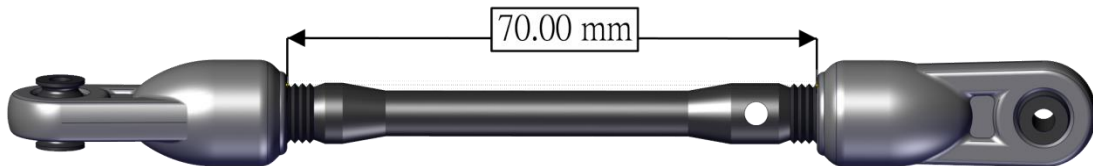
M3x22mm BH x2



3x8x0.5mm Washers x2



1:1



Assemble 2 Sets

G36317A

M3x22mm BH

G36812

3x8x0.5mm Washer

Adjuster Holes

Toe in brace GS083

M3x20mm BH G36316A

Adjuster Holes

1:1

Rear Bumper/Skid Plate



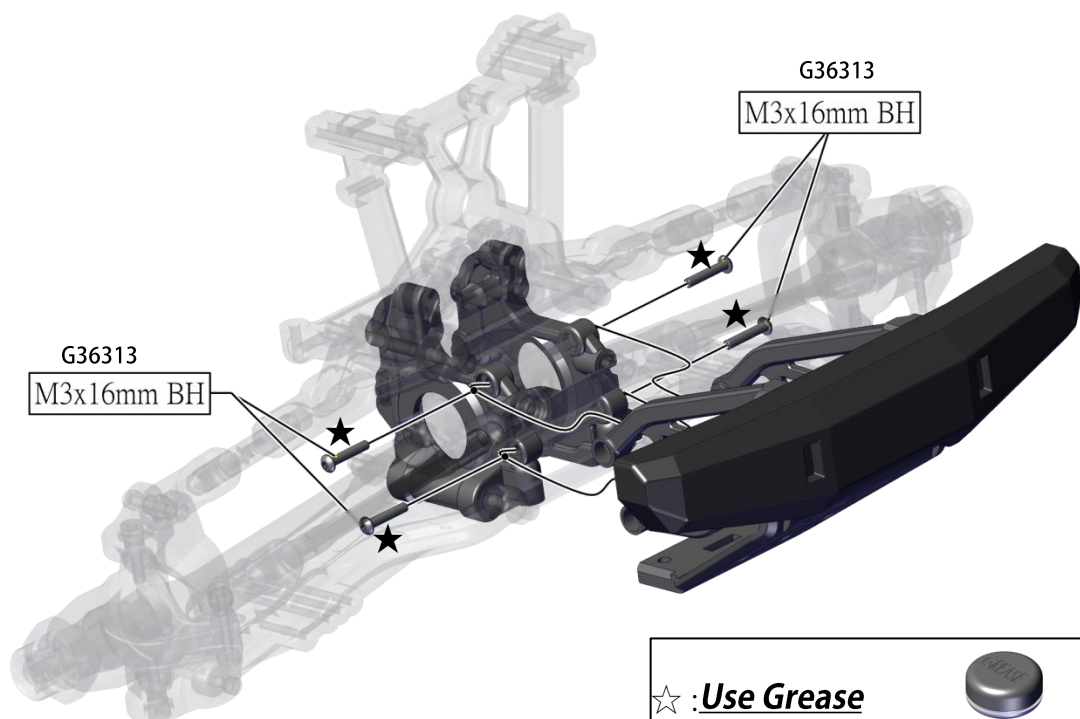
M3x16mm BH x4



M4x12mm FH x5

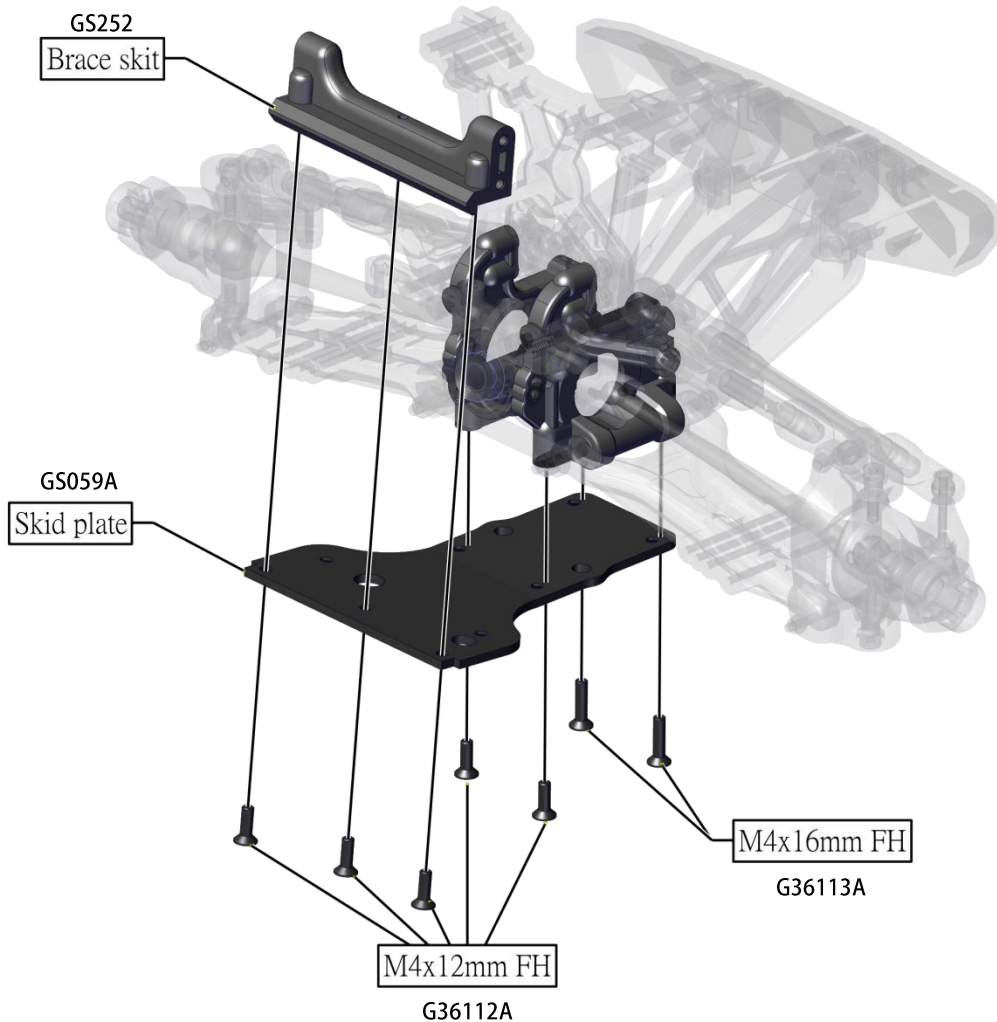


M4x16mm FH x2

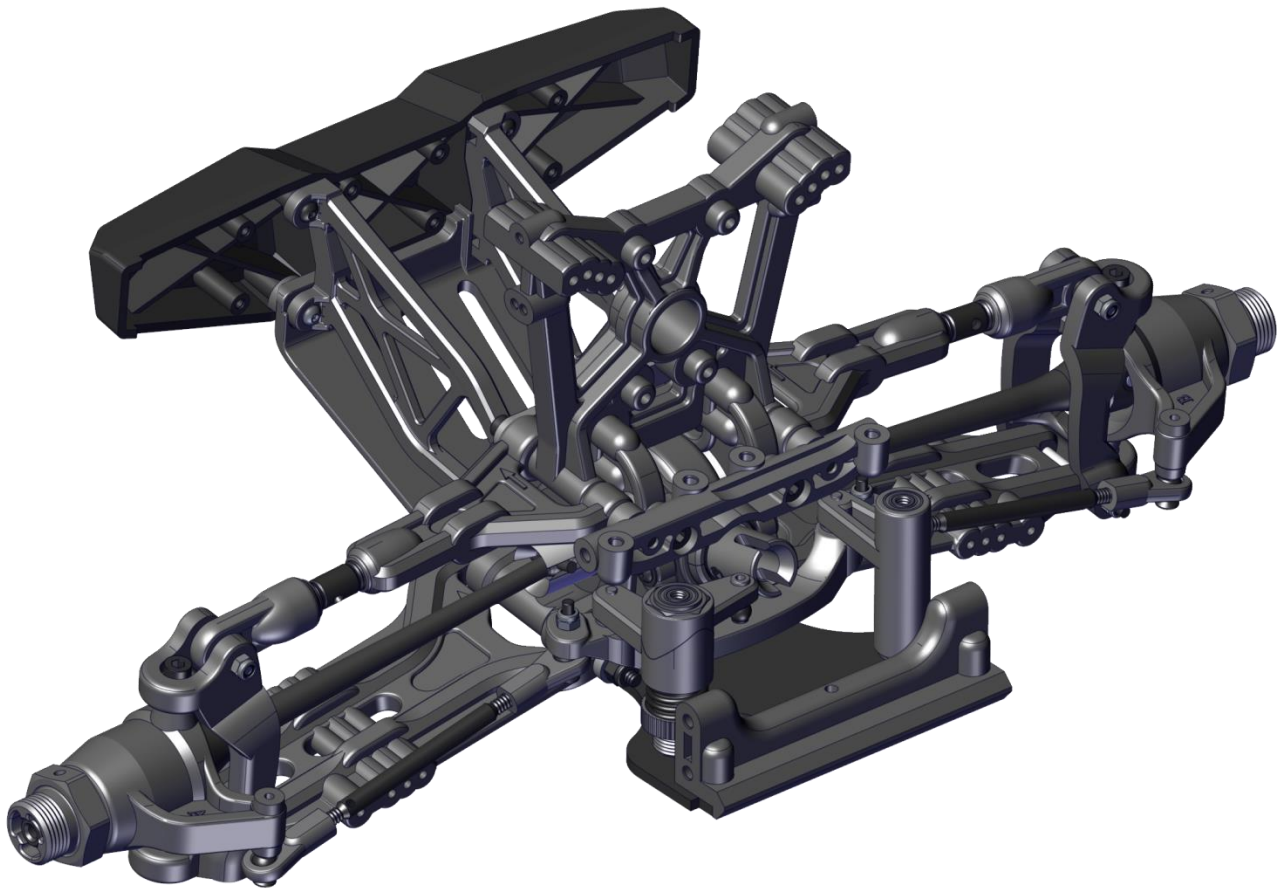


☆ : Use Grease

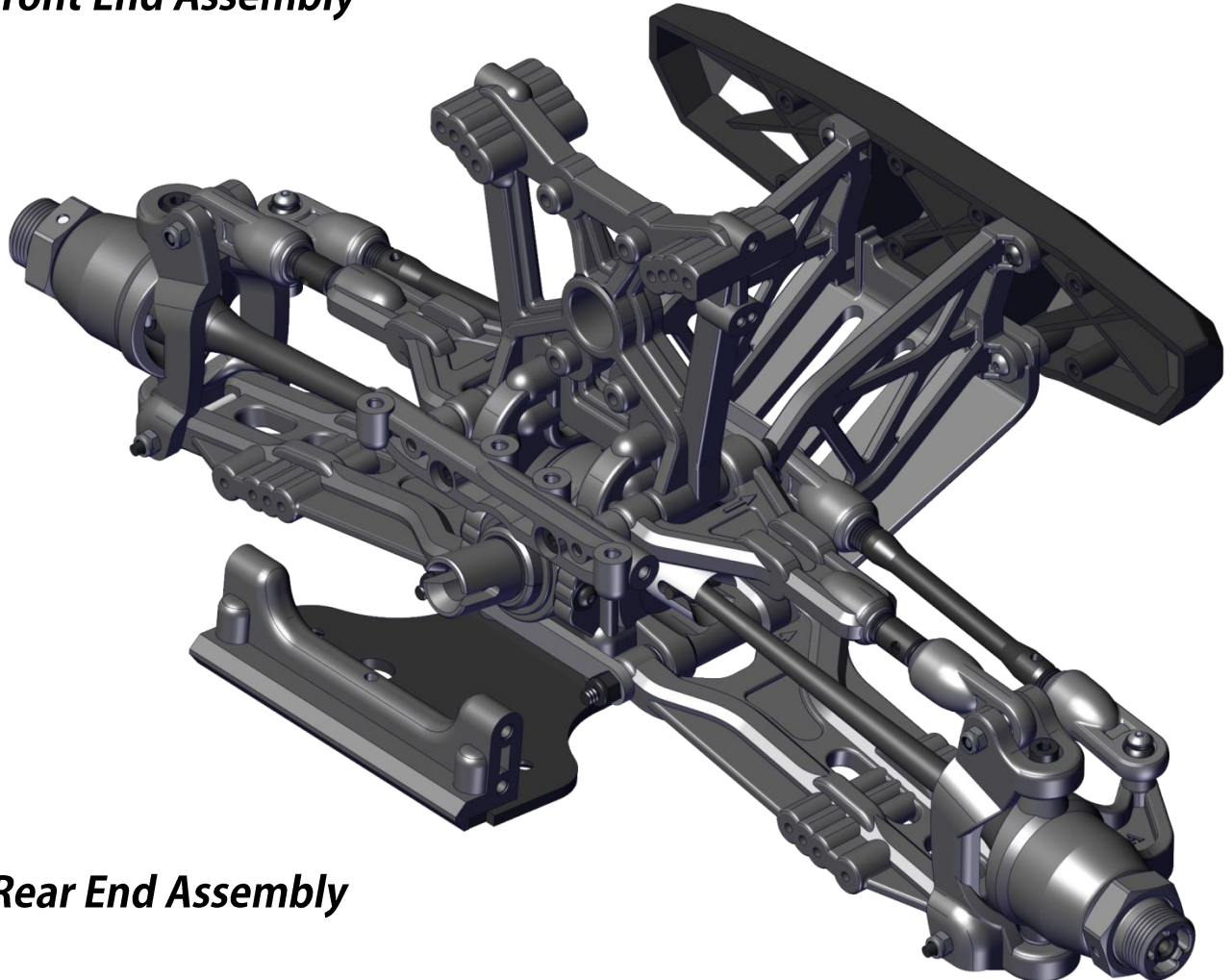
★ : Use Thread Lock



Front and Rear Suspension Assemblies



Front End Assembly



Rear End Assembly

1:1

Center Differential Assembly

M3x10mm FH x8

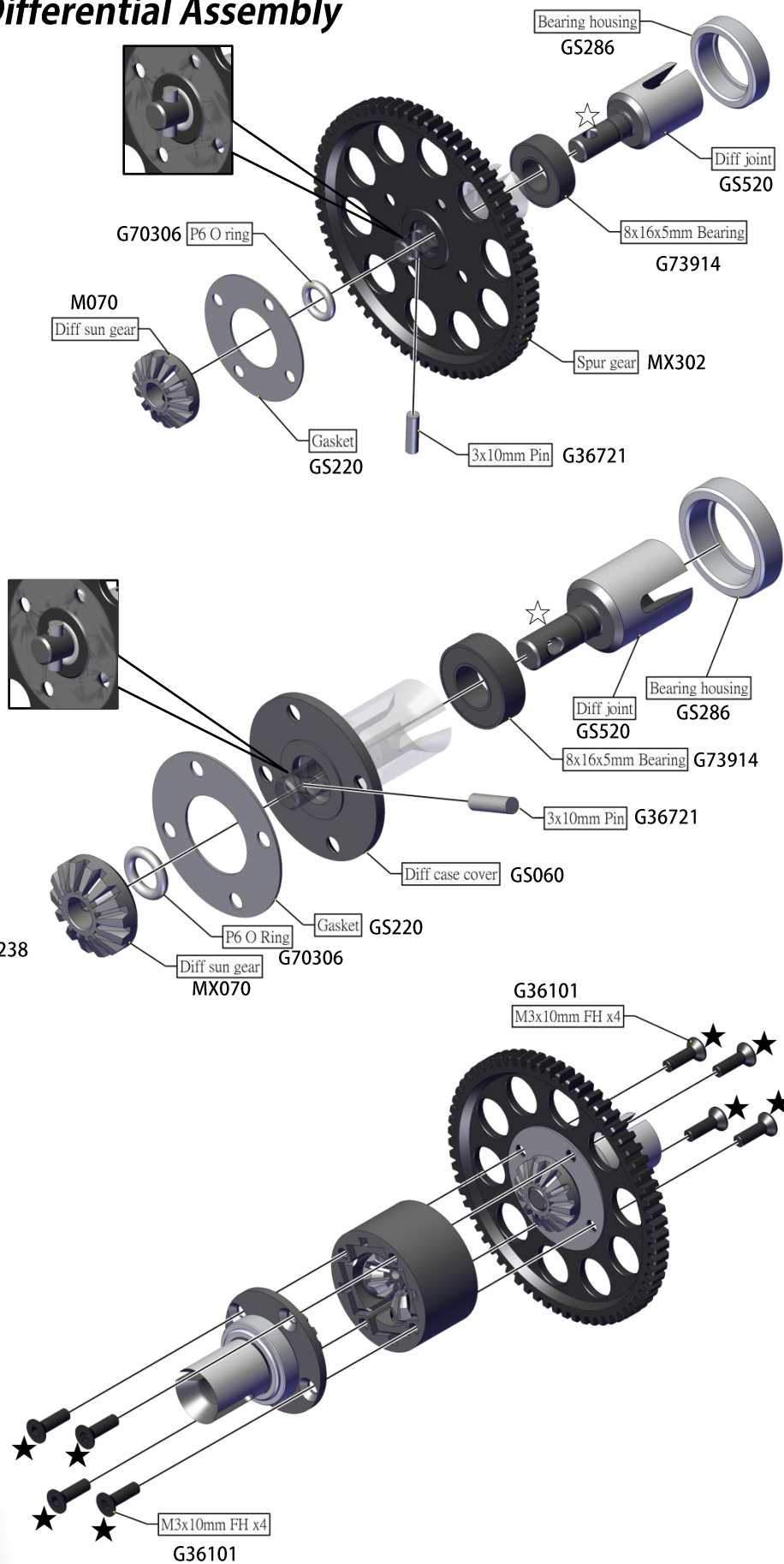
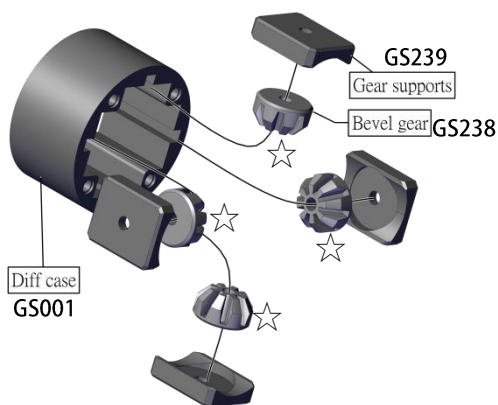
3x10mm Pin x2

P6 O Ring x2

8x16x5mm Bearing x2

☆ : Use Grease

★ : Use Thread Lock



1:1

Motor Installation

M5x4mm Set screw x1

4x10x0.8mm Washer x2

M4x15mm CH x2

M3x10mm BH x2

M3x15mm FH x1

M4x12mm BH x4

☆ : Use Grease

★ : Use Thread Lock

G36213A

M4x15mm CH

4x10x0.8mm Washer

G36803

Gear cover
GS331

M3x10mm BH
G36311A

Bottom cover
GS331

G83135
Motor

Motor gear
MX352

M5x4mm Set screw
G36275A

GS528
Motor housing

GS332A
Motor plate

M3x15mm FH G36110A

Lock bar GS331

Center diff case GS331

M4x12mm BH G36301A

1:1

Radio Tray

M3x39mm Turnbuckle



M3x10mm BH x1



M3x15mm FH x1



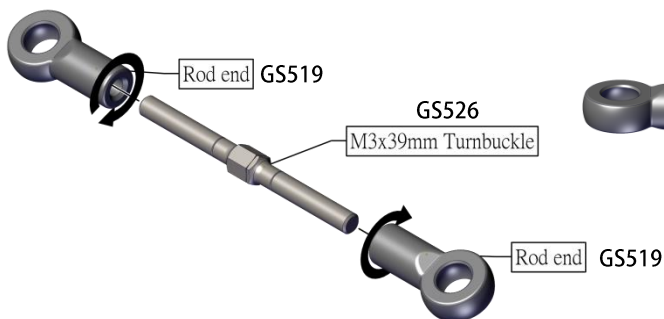
M3 Locknut x1



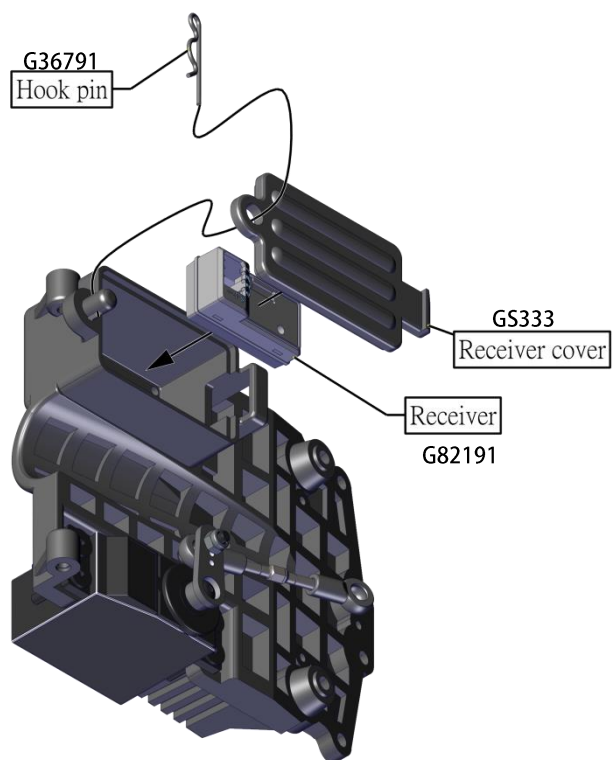
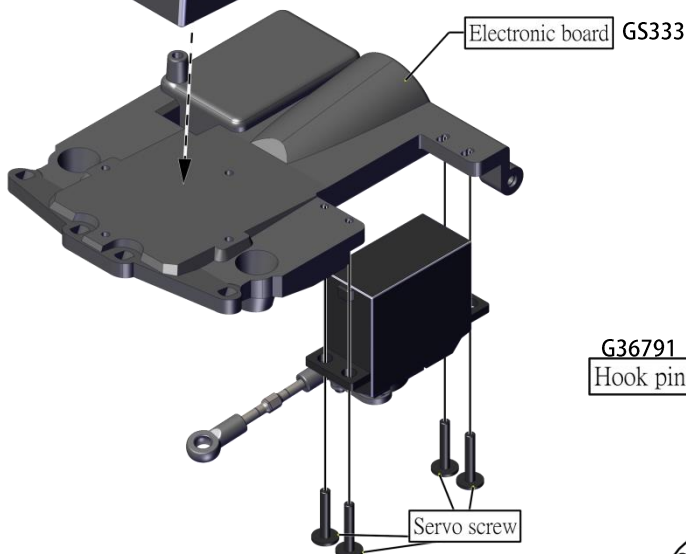
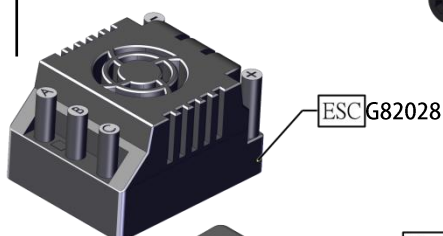
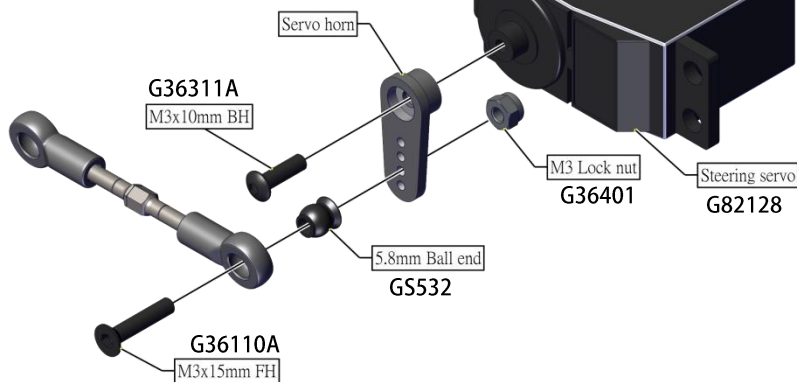
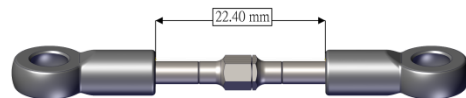
5.8mm Ball end x1



Servo screw x4



1:1



Battery Tray



Velcro Straps x2



M3x8mm BH x6

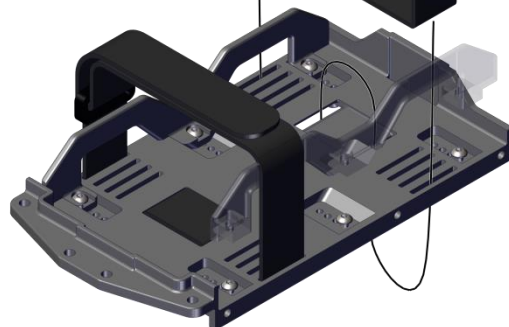
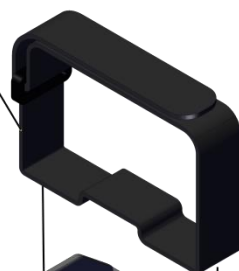
1:1

CKR0405
Battery Side Wall

CKR0405
Battery Mount

G36318
M3x8mm BH

CKR0406
Velcro Straps



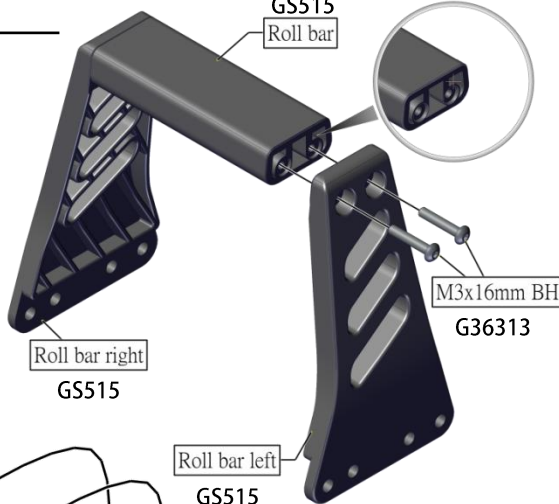
GS515
Roll bar



M4x12mm BH x12



M3x16mm BH x4



M3x16mm BH
G36313

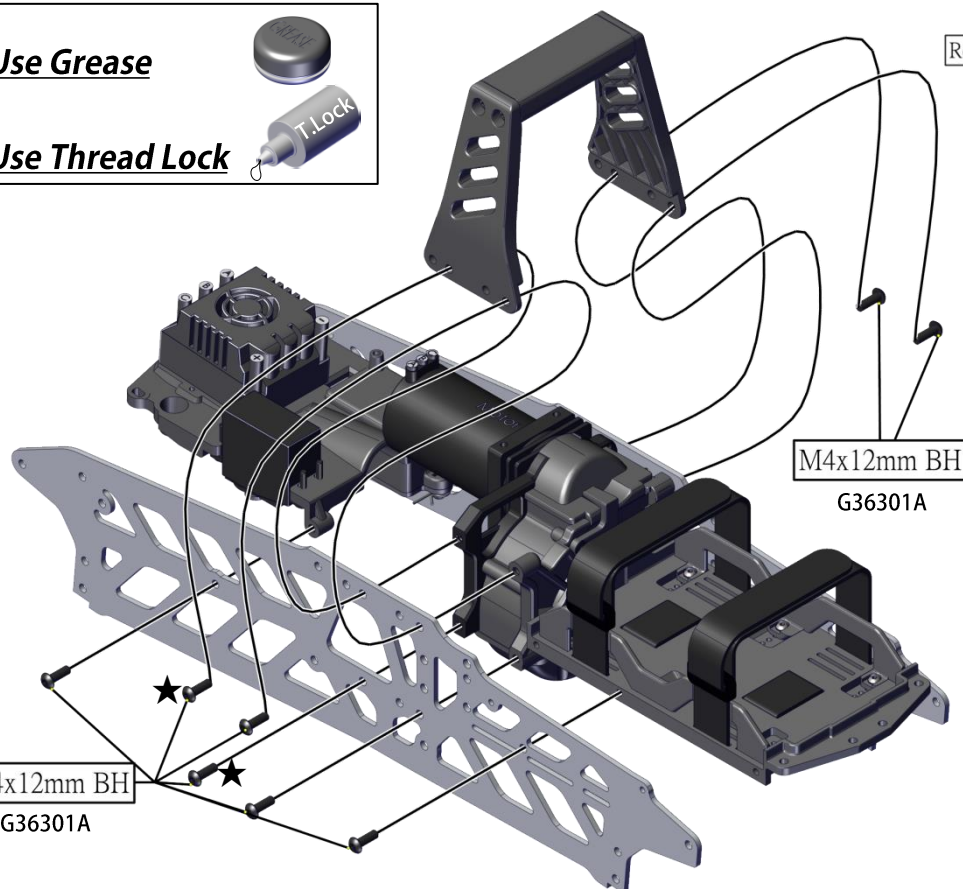
Roll bar right
GS515

Roll bar left
GS515

☆ :Use Grease



★ :Use Thread Lock



M4x12mm BH
G36301A

M4x12mm BH
G36301A

1:1

Front/Rear Shock Assembly

3x8x0.5mm Washers x8

M3 Locknut x4

1.5x21.5mm O ring x4

Shock shaft guide x4

P4 O Ring x8

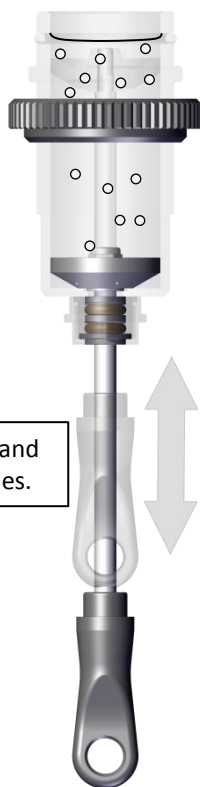
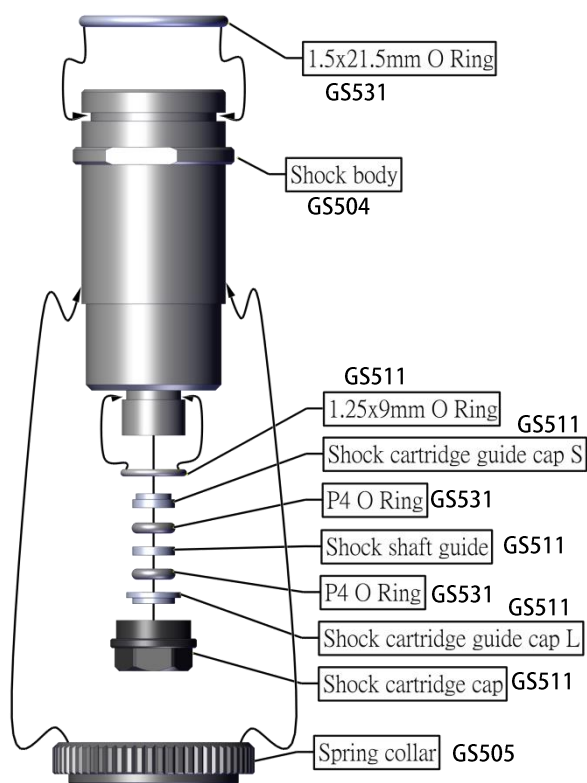
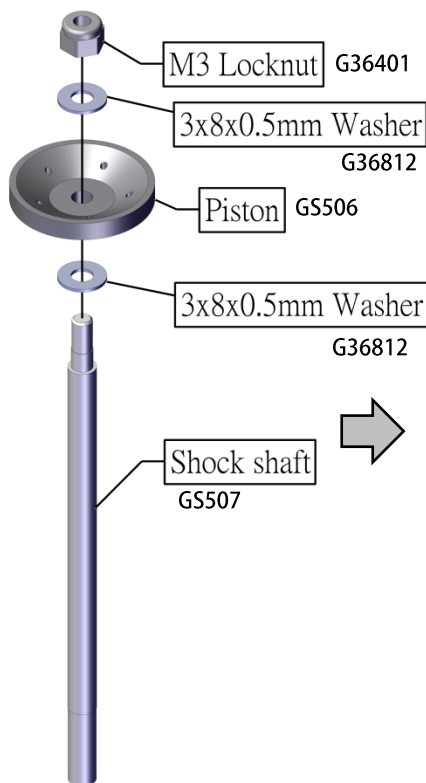
Shock cartridge guide cap L x4

Shock cartridge guide cap S x4

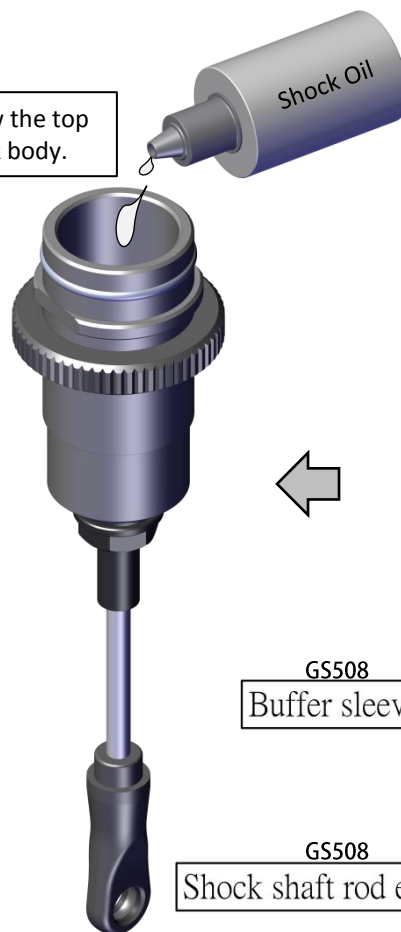
1.25x9mm O Ring x4

Buffer sleeve x4

Gently move the piston up and down to get rid of air bubbles.

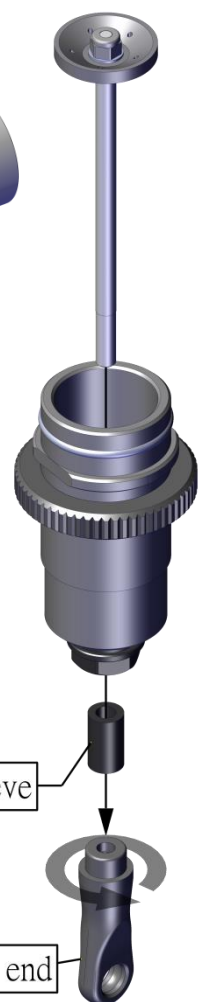


Fill oil below the top of the shock body.



GS508 Buffer sleeve

GS508 Shock shaft rod end



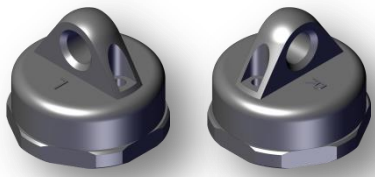
1:1

Front/Rear Shock Assembly(Cont.)

M2.5x6mm BH x4



2x21mm O Ring x4

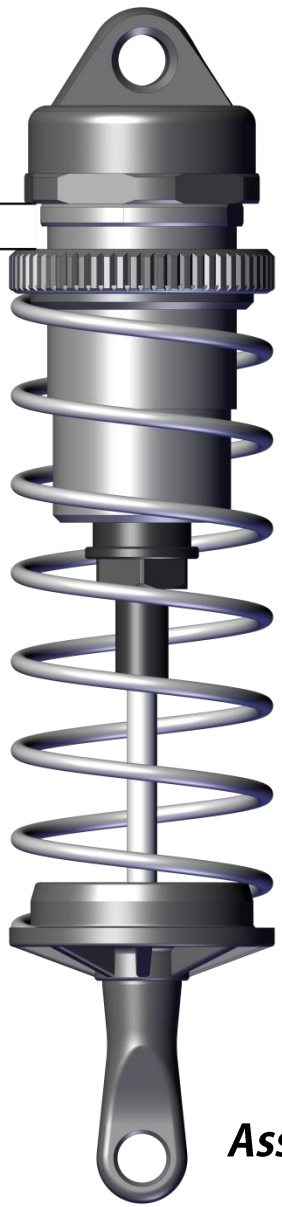


Left

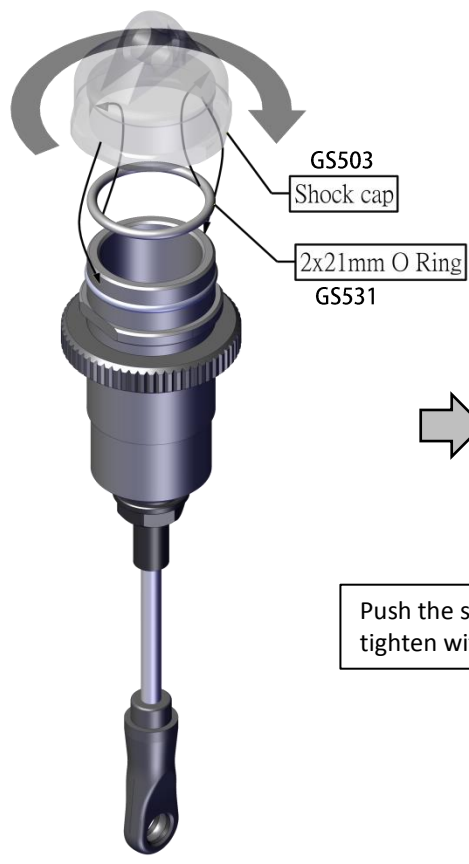
Right

1:1

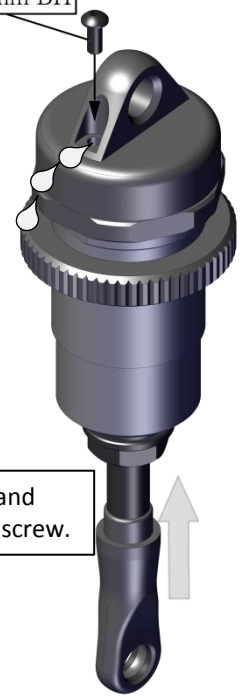
6.00 mm



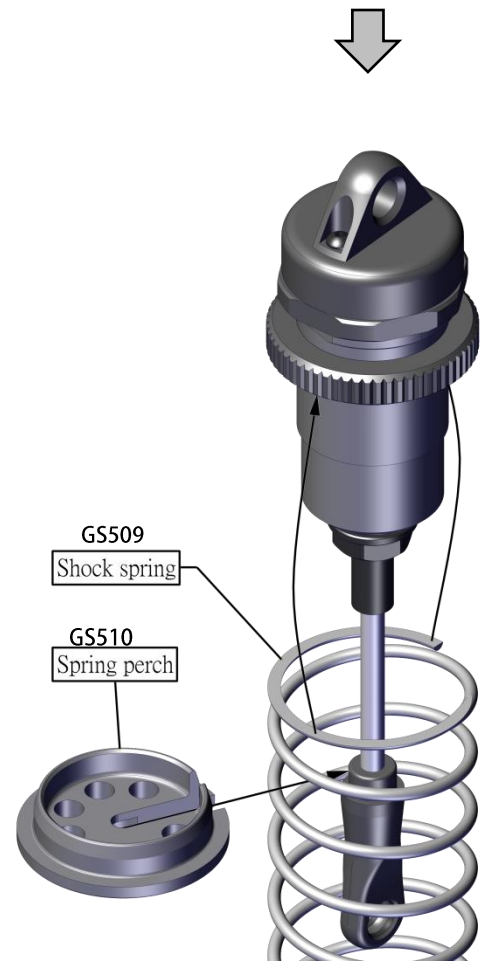
Assembly X4



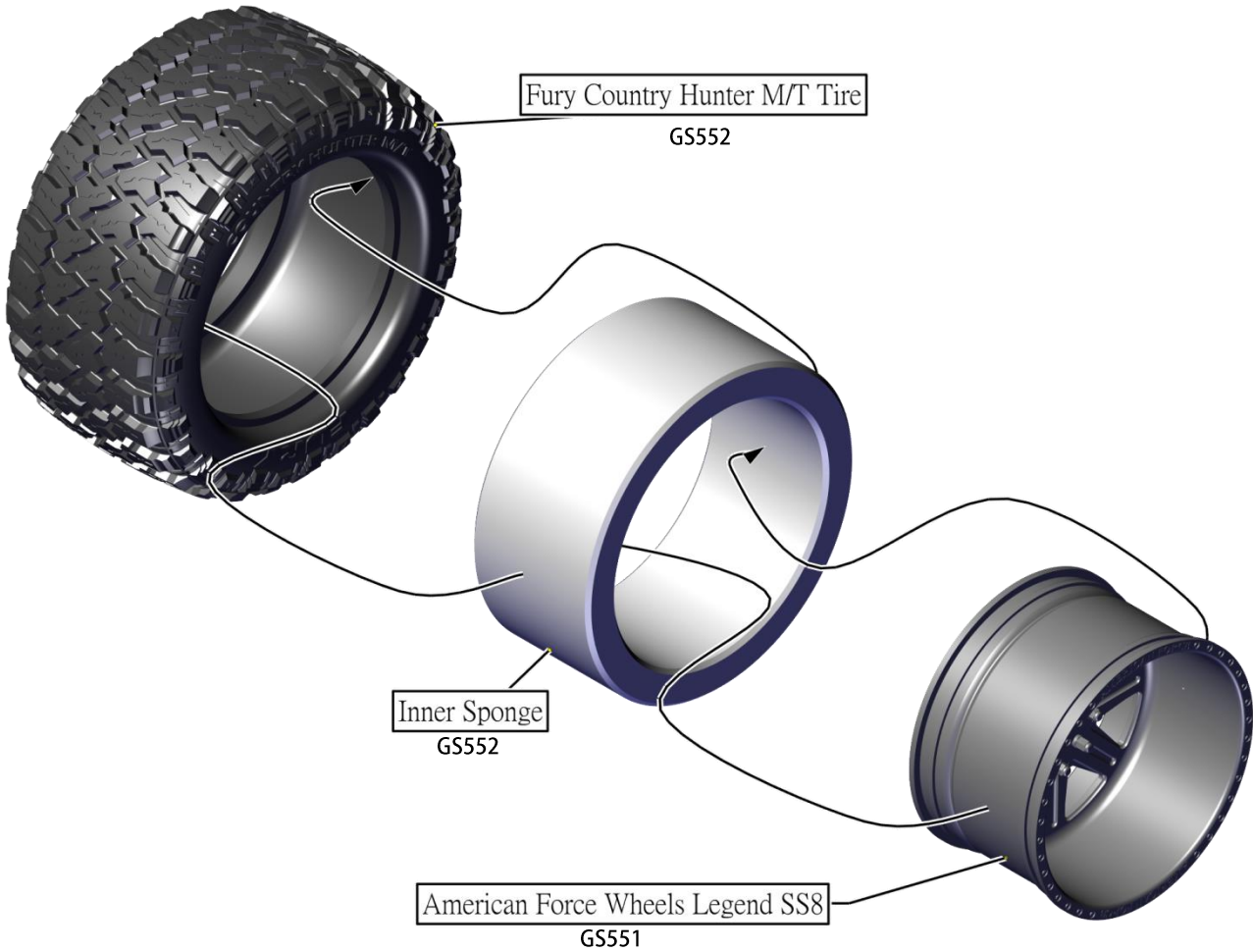
G36292A
M2.5x6mm BH



Push the shock shaft up and tighten with M2.5x6mm screw.



Wheel and Tire Assembly

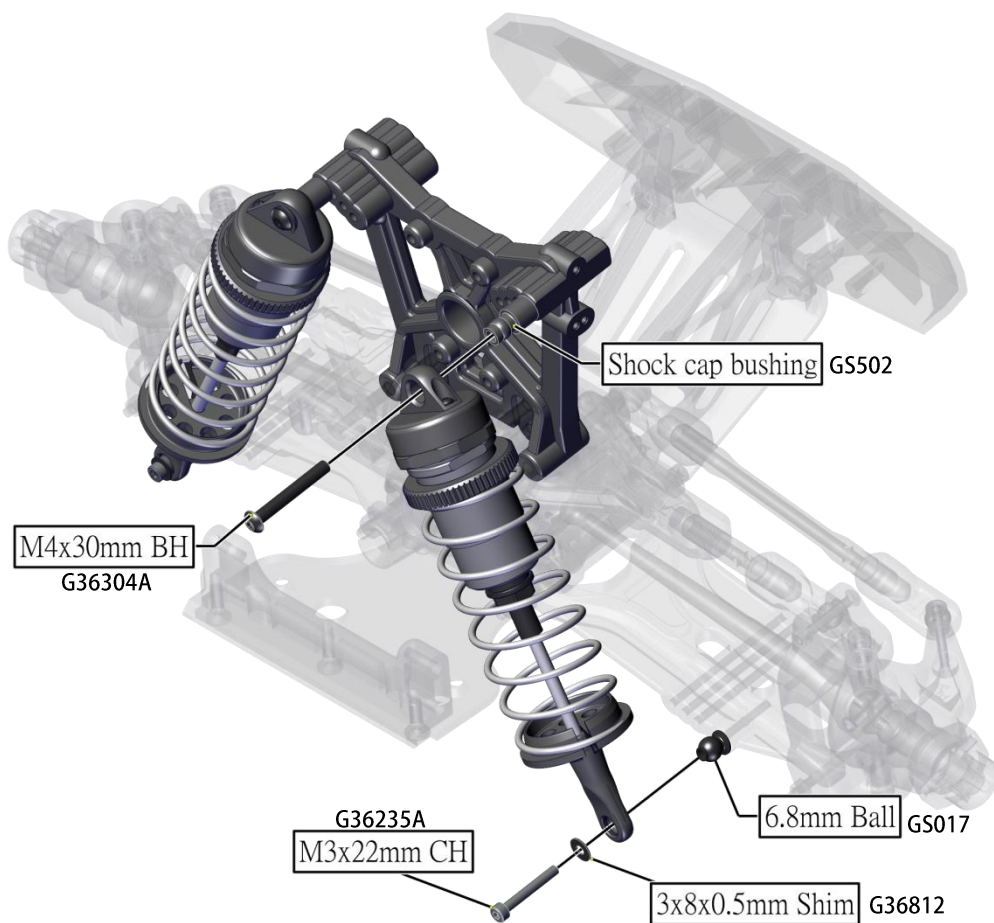
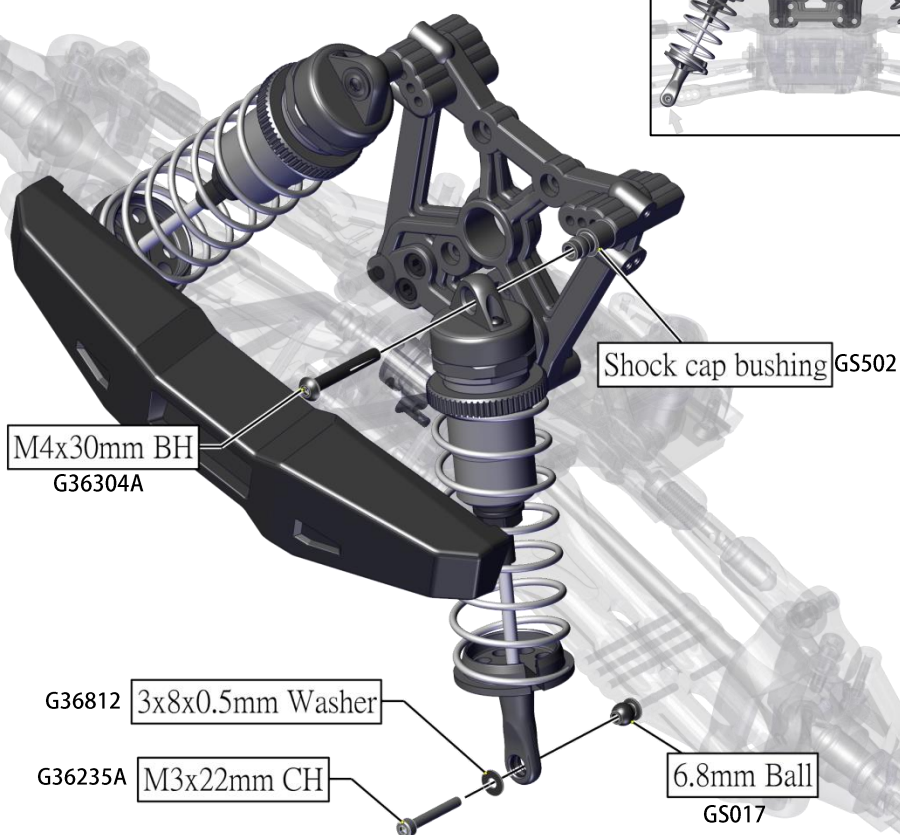
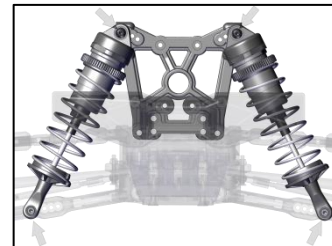


Assembly 4 Sets



1:1

Front and Rear Shock Installation



Shock cap bushing x6

6.8mm Ball x2

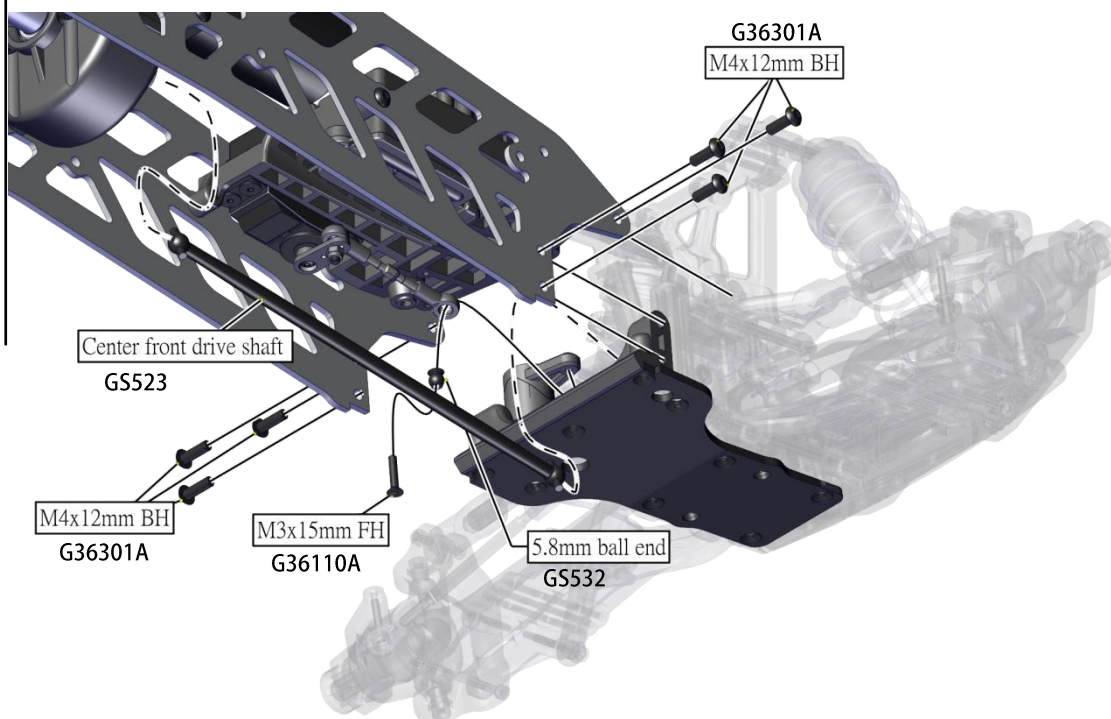
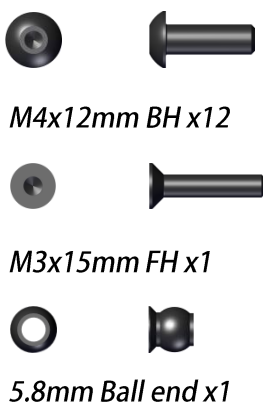
M3x22mm CH x4

M4x30mm BH x4

3x8x0.5mm Washers x4

1:1

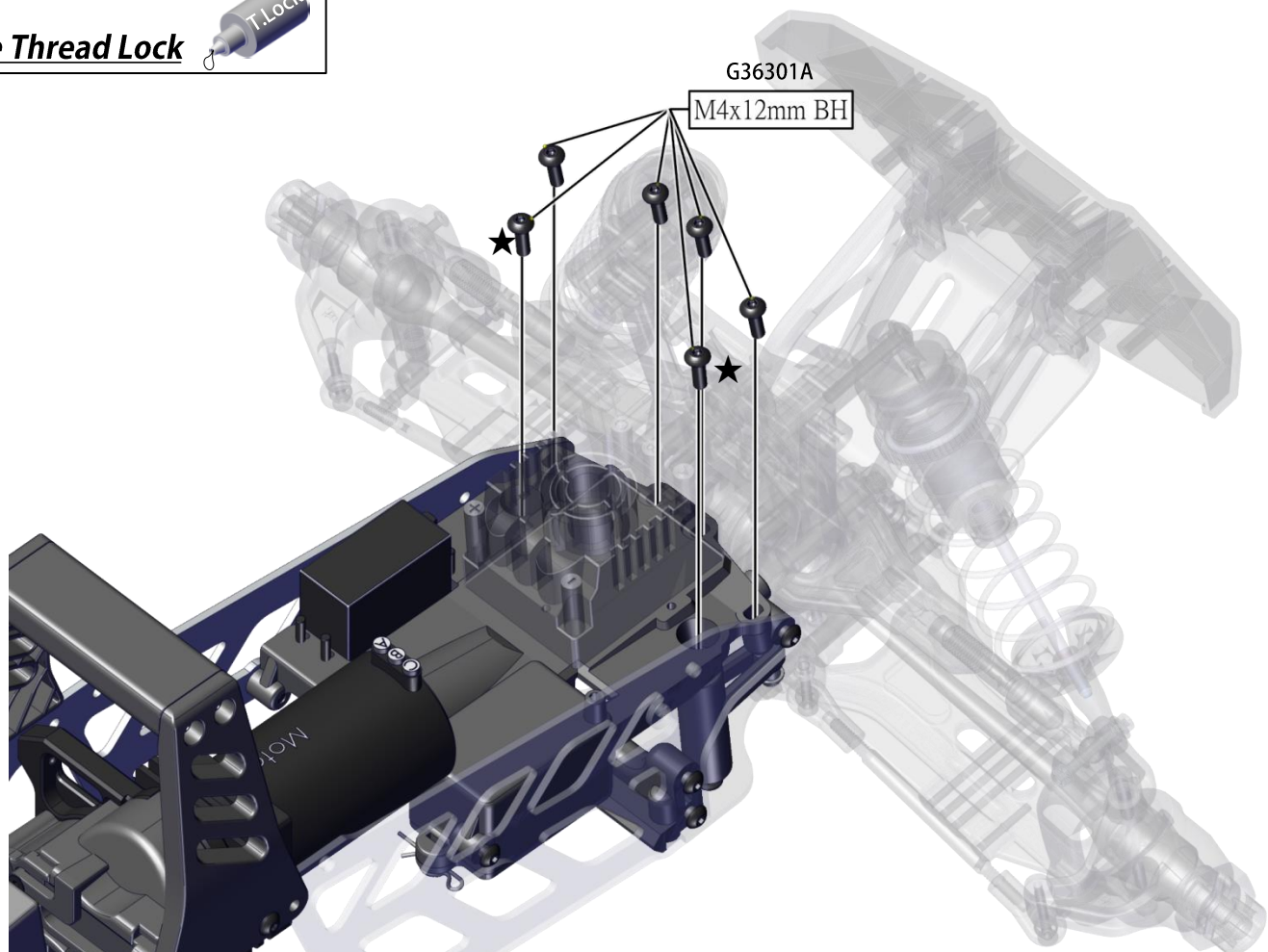
Final Assembly



☆ : Use Grease



★ : Use Thread Lock

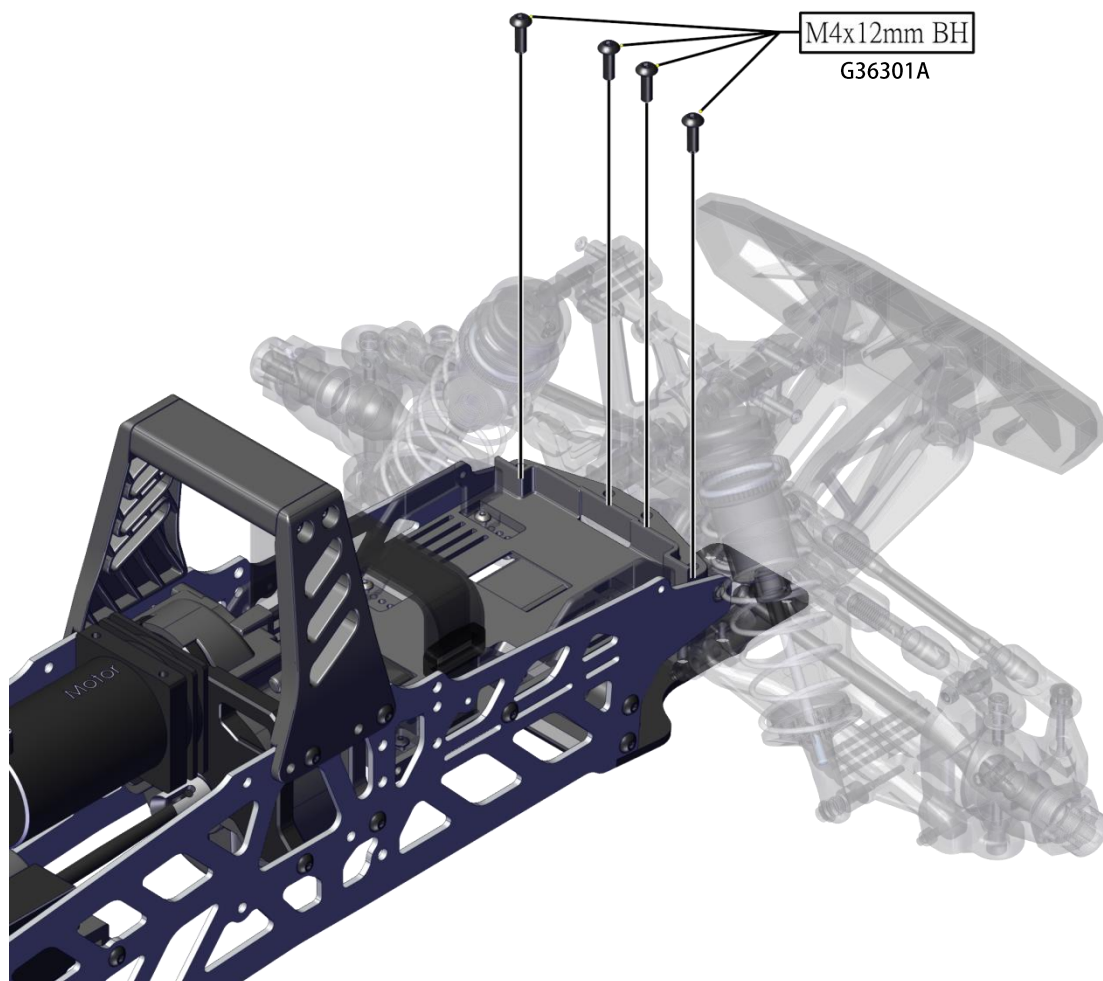
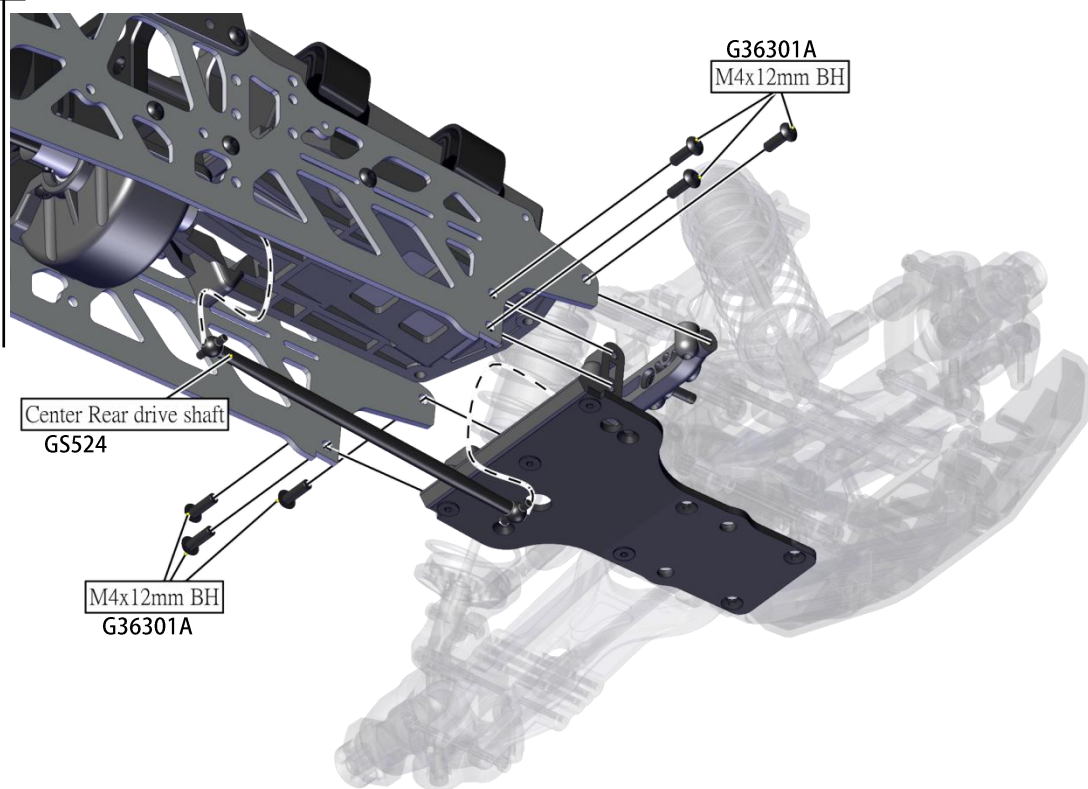


1:1

Final Assembly(Cont.)



M4x12mm BH x10



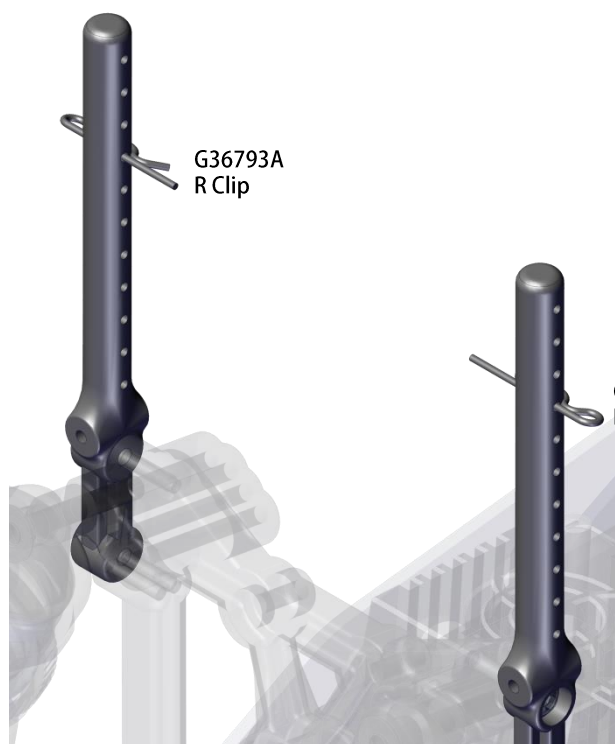
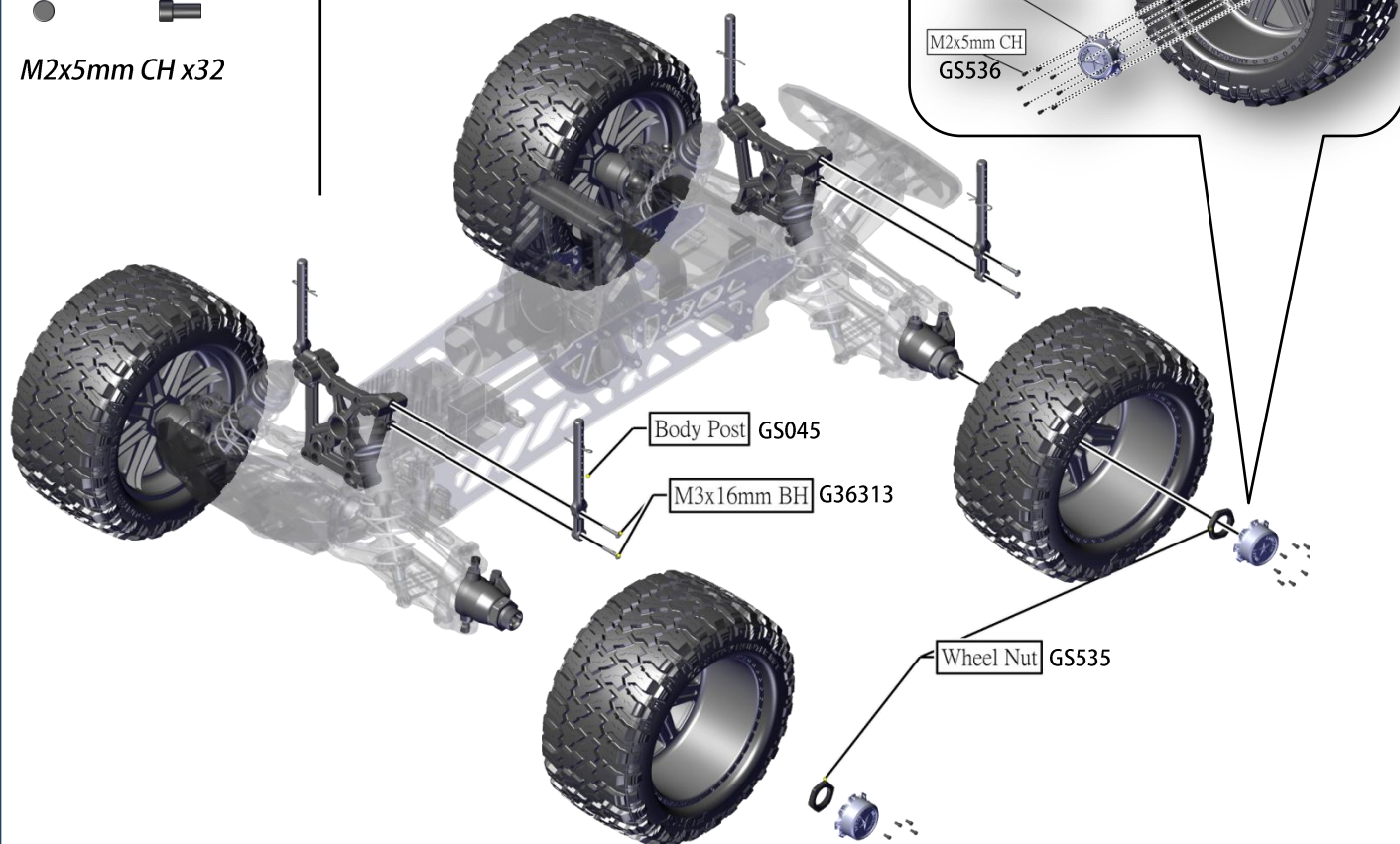
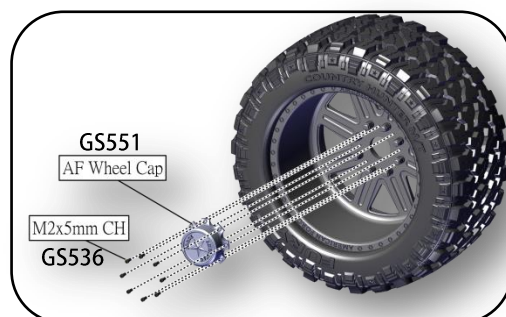
1:1

Body Post and Tire Installation

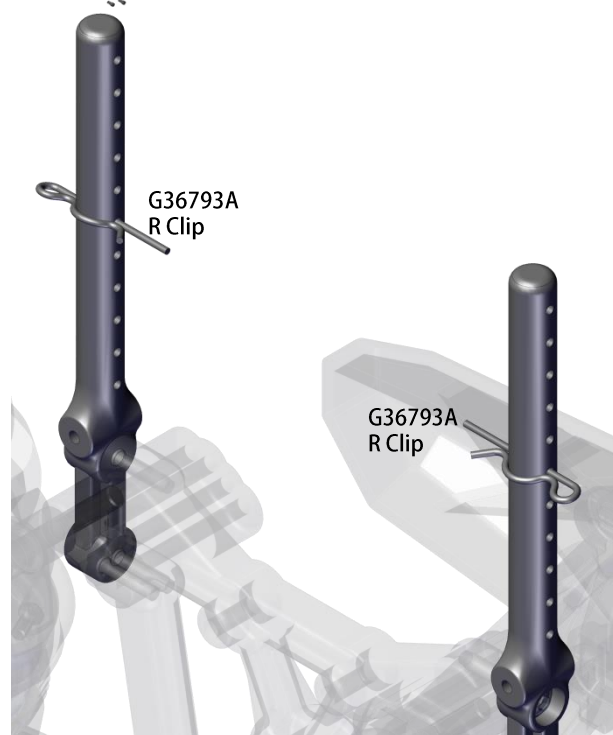


M3x16mm BH x8

M2x5mm CH x32



Front Body Clip Position



Rear Body Clip Position

Reeper American Force Edition

Spare Parts List

Part Number	Description	Part Number	Description
G36101	Flat Head Screws M3x10mm (6pcs)	GS091	Universal Swing Shaft (2pcs, E-Rings, Barrels, E-clips)
G36110A	Flat Head Screws M3x15mm (6pcs)	GS093	Drive Cup (1pcs, With Set Screw)
G36112A	Flat Head Screws M4x12mm (6pcs)	GS151	Reeper Clear Body (Red Decal Sheet)
G36113A	Flat Head Screws M4x16mm (6pcs)	GS152	Reeper Red Body (1pcs, With Decal Sheet)
G36126A	Flat Head Screws M3x22mm (6pcs)	GS154	Reeper Green Body (1pcs, With Decal Sticker Sheet)
G36213A	Cap Head Screws M4x15mm (6pcs)	GS155	Reeper Clear Body (Green Decal Sheet)
G36235A	Cap Head Screws M3x22mm (6pcs)	GS156	Reeper American Force Edition Body (W/Decal Sheet)
G36251	SET Screws M3x4mm (6pcs)	GS157	Reeper American Force Edition Clear (w/ Decal Sheet)
G36271	SET Screws M5x5mm (6pcs)	GS181	Reeper Red Decal Sticker Sheet
G36275A	SET Screws M5x4mm (6pcs)	GS183	Reeper Green Decal Sticker Sheet
G36292A	Button Head Screws M2.5x6mm (6pcs)	GS184	Reeper American Force Edition Decal Sheet
G36301A	Button Head Screws M4x12mm (6pcs)	GS206	Bulkhead II (Diff. Side Plate)
G36304A	Button Head Screws M4x30mm (6pcs)	GS217	Wheel Hex Drive Adapter 23mm (2pcs)
G36305	Button Head Screws M4x14mm (6pcs)	GS220	Differential Gasket Seals (10pcs)
G36306	Button Head Screws M4x15mm (6pcs)	GS238	Diff. Planet Gear (4pcs)
G36310	Button Head Screws M4x22mm (6pcs)	GS239	Diff. Gear Support (4pcs)
G36311A	Button Head Screws M3x10mm (6pcs)	GS244	Swing Shaft
G36313	Button Head Screws M3x16mm (6pcs)	GS245	Wheel Axle
G36316A	Button Head Screws M3x20mm (6pcs)	GS246	Spindle
G36317A	Button Head Screws M3x22mm (6pcs)	GS247	Spindle Carrier
G36318	Button Head Screws M3x8mm (6pcs)	GS248	Upper Suspension Arm
G36319	Button Head Screws M3x12mm (6pcs)	GS251	Bulkhead Bracket

G36320	Button Head Screws M3x15mm (6pcs)	GS252	Lower Bracket
G36322	Button Head Screws M3x25mm (6pcs)	GS255	Rear Toe-in Bar
G36401	M3 Locknuts (6pcs)	GS256	Steering Ackermann Drag Link
G36402A	M4 Locknuts (6pcs)	GS258	Steering Post
G36721	Pin 3x10 (2pcs)	GS259	Aluminum Servo Saver Tube
G36722	Pin 3x22 (2pcs)	GS260	Servo Saver Spring
G36728	Pin 3x13.8 (2pcs)	GS261	Servo Saver Adjusting Nut
G36791	R #6 HOOK PIN (6pcs)	GS277	E" Pin 3MX18" (2pcs, With E-clips)
G36793A	R #8 HOOK PIN (6pcs)	GS278	Cross Pin, 2pcs
G36803	Washer M4x10x1 (6pcs)	GS283	HeX Post H5.5MX33mm
G36812	Washer M3x8x0.5 (6pcs)	GS286	Alum. Bearing Holder (2pcs)
G36815A	Shim M8x10x0.3 (6pcs)	GS287A	7.5 Wheels 23mm Hex (Gunmetal Chrome)
G36816	Washer M6x10x0.5 (6pcs)	GS316	Diff Housing Gear Box II (Front or Rear)
G36817	1.4mm Aluminum Spacers M6x9 (6pcs)	GS331	Center Transmission Plastic Parts ep.
G36852	"E" #2 Clip (6pcs)	GS332A	CNC Motor Mount Plate (Matte Black,M4)
G36904	Shim M12.2x15.9x0.5 (6pcs)	GS333	Radio and Battery Tray ep.
G36903	Shim M14x15.8x0.2 (6pcs)	GS501	Complete Shock Set (Pair)
G70306	O-Ring P.6 (10pcs)	GS502	Shock Cap Bushings 2pcs
G73914	Ball Bearing 8*16*5 (2pcs)	GS503	Shock Caps. 2pcs
G73915	Ball Bearing 10*19*7 (2pcs)	GS504	Shock Body (2pcs, Aluminum, Hard Anodized)
G73917	Ball Bearing 6*10*3 (2pcs)	GS505	Shock Adjustment Collars, 2pcs
G73931	Ball Bearing 6*12*4 (2pcs)	GS506	Shock Piston, 2pcs
G73932	Ball Bearing 6*13*5 (2pcs)	GS507	Shock Shaft 4MM x 77MM, 2pcs
G82028	ECS WP-8BL 150A RTR V2.	GS508	Shock Rod End, 2pcs
G82030	ECS BL Motor Combo (150A ESC)	GS509	Shock Spring Red T8.5X2.2MM, 2Pcs
G82128	12Kg Servo (By Savox)	GS510	Shock Spring Perch, 2pcs
G82190	MOD-3S 2.4GHz Transmitter (TX)	GS511	Shock Shaft Guide Set (for 2 shocks)
G82191	MoD-3S 2.4GHz Receiver	GS512	Complete Bumper Set (F/R)
G82192	MOD-3S 2.4GHz Radio System (TX+RX)	GS513	Bumper (F/R)
G83135	Blushless Motor 1450kv	GS514	Bumper Brackets Set (L/R Bracket, Skid Plate)
GS001	Differential Case (2pcs With Screws)	GS515	Roll-Over Bar Handle Kit.
GS002	Differential Gear Set.	GS516	Suspension Arms Set (Front or Rear).
GS004	Diff. Pinion Gear (9T) CNC Straight Cut	GS517	Lower Suspension Arm

GS005	Diff. Ring Gear 26T (With Gaskets and Screws)	GS518	Shock Tower V2 M4
GS009	E-Ring Pin & Barrel (8pcs, With E-Clips)	GS519	Rod End 5.8mm M3 Thread (4pcs)
GS010	Wheel Hub (2pcs, Hubs, Spindles, Cap Screws, Bushings)	GS520	Outdrives D6 (2pcs)
GS012	Flanged Bushing (10pcs, 3mmx6)	GS521	Frame (Chassis Plate, Matte Black, 1pcs.)
GS014	Steering Plastic Parts SET	GS523	Front Drive Shaft 188
GS016	Ball B7.8 (10pcs)	GS524	Rear Drive Shaft 141
GS017	Ball B6.8 (10pcs)	GS525	Turnbuckle M8 X 41mm (2pcs)
GS019	Steering Metal Parts Set	GS526	Turnbuckle M3X39mm
GS020	Flanged Bushing (10pcs, 4mm x 6)	GS527	Battery Straps (Black, Pair)
GS023	Alum. Arm Brace (3pcs)	GS528	CNC Motor Mount (Matte Black, Cooling) M4
GS025	Threaded Hinge Pin (4pcs, 4mm x 56)	GS529	Complete Screw Set
GS026	Threaded Hinge Pin (4pcs, 4mm x 73)	GS531	Shock O-Ring Repaire Kit
GS027	Threaded Hinge Pin (3pcs, 3mm x 44)	GS532	Ball 5.8C3.5M3 (4pcs)
GS028	Wheel Axles (2pcs With E-Ring Pins, Barrels, E-clips)	GS533	Shock Damper Tube 4X7X12 (4pcs)
GS035	V-Pattern Tires (2pcs)	GS535	23mm Wheel Hex Nuts (2pcs, Ribbed, Matte Black)
GS045	Body Post Set	GS536	American Force Wheels Cap Screw Set
GS059A	Skid Plate(1pcs, Matte Black)	GS551	American Force Legend SS8 Wheel (2pcs)
GS060	Differential Case Cover (2pcs, With Screws, O-Ring)	GS552	Fury Country Hunter M/T Tires (2pcs)
GS072	Turnbuckles M4X78 (2pcs)	MXS39	Alum. Diff. Case M3
GS074	Ball End B7.80 (10pcs)	MX352	5MM Bore Motor Pinion Gear (12T, MOD1)
GS083	Rear Toe-In Brace (1pcs)		

KAOS ADVANCE TUNING

CKR0102	Aluminum Shock Cap Bushing 2pcs.	CKR0306	Aluminum Spindle Carrier (2pcs, W/ Ball Bearing)
CKR0109	Aluminum Shock Shaft Guide Cap 2pcs.	CKR0307	KAOS Shock Towar Bushing 4pcs.
CKR0110	Red Spring (Long) 2pcs.	CKR0401	Carbon Fiber Chassis Plate 3.5mm 1pcs.
CKR0111	Green Spring (Long) 2pcs.	CKR0402	Carbon Fiber Arm Brace 3.5mm 3pcs.
CKR0201	Aluminum Wheel Hex Nut 23mm (2pcs, Ribbed)	CKR0403	Carbon Fiber Rear Toe-In Brace (1pcs, With Screw)

CKR0202	Alum. lightweight Wheel Hex Drive 23mm (2pcs, w/pins)	CKR0404	Aluminum Servo Horn (1pcs, With Screw)
CKR0203	Alum. 17mm Wheel Hex Drive (w/Ribbed Nuts, pins)	CKR0405	Adjustable Battery Tray (W/ 380mm Straps)
CKR0205	KAOS Aluminum Gear Box (F or R)	CKR0406	Battery Straps 380mm, 2pcs.
CKR0281	5MM Bore Motor Pinion Gear 13T	CKR0501	Reeper & Colossus Wheelie Bar Kit.
CKR0282	5MM Bore Motor Pinion Gear 14T	CKR0502	Reeper & Colossus Wheelie Bar Plastic Parts
CKR0301	Alum. Adjustable Shock Tower (F or R)	CKR0503	Wheelie Bar Hex Post (33mm 2pcs, 91mm 1pcs.)
CKR0302	Aluminum Upper Arm	CKR0504	"Sniper" Wheels & Tires (Pre-Glued) Pair
CKR0303	Aluminum Lower Arm	CKR0505	V-Pattern Wheels & Tires (Pre-Glued) Pair
CKR0304	Aluminum Bulhead (Diff. Side Plate)	CKR0601	"Sniper" Tire (Traction) Pair.
CKR0305	Aluminum Spindle (2pcs)		

For Parts:
Cenracing.com
Hobbyrecreationproducts.com

Official Licensed Product Websites
Americanforcewheels.com
Furyoffroadtires.com

Memo

Memo



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Shulin Dist., New Taipei City 23853, Taiwan

CENRACING.COM

