



Reflex^{14B}
CLASSIC



TEAM ASSOCIATED

**1:14 Scale 4WD Electric Off Road Buggy Kit
#20193 Reflex14B Classic**



:: Introduction

Thank you for purchasing this Team Associated product. This assembly manual contains instructions and tips for building and maintaining your new vehicle. Please take a moment to read through the manual and familiarize yourself with the steps. We are continually changing and improving our designs; therefore, actual parts may appear slightly different than the illustrations. New parts will be noted on supplementary sheets located in the appropriate parts bags. Check each bag for these sheets before you start to build.

:: RC14B Kit Features

- New RC8B4e Gamma-style molded body, clear
- Three sealed differentials
- Factory Team Threaded coil-over shock absorbers
- Factory Team 12mm Wheel Hexes
- Adjustable turnbuckles
- Adjustable inserts for caster blocks and rear hubs
- Aluminum steering rack
- Front universal driveshafts
- Updated molded tub chassis with hook and loop strap for battery installation and covered center driveshaft
- Aluminum center driveshaft
- Off road 12mm hex drive white wheels with high-grip racing tires
- Gold aluminum shocks
- Natural color plastic parts

:: Table of Contents

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3.....1:1 Hardware "Fold Out"	18..... Back Cover

:: Notes



There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.



This symbol indicates a special note or instruction in the manual.

:: Additional

Your new Reflex 14B comes as a kit. The following items are needed for completion

- | | | | |
|-----------------------|---------------------------------|----------------------------|--------------------|
| • Polycarbonate Paint | • 6-cell NiMh or 2 LiPo battery | • Suitable battery charger | • (4) AA batteries |
| • ESC | • Transmitter / Receiver | • Steering Servo | • Motor |

Tools included: • Multi-wrench

:: Other Helpful Items

- | | | |
|--|---|------------------------|
| • Body Scissors (AE Part # 1737) | • Reamer / Hole Punch (#1499) | • Wire Cutters |
| • FT Hex/Nut Wrenches (AE Part # 1519) | • Needle Nose Pliers | • Soldering Iron |
| • Calipers or a Precision Ruler | • Green Slime shock lube (AE Part # 1105) | • Shock Pliers (#1675) |
| • FT Dual Turnbuckle Wrench (#1114) | • FT Universal Tire Balancer (#1498) | • Hobby Knife |

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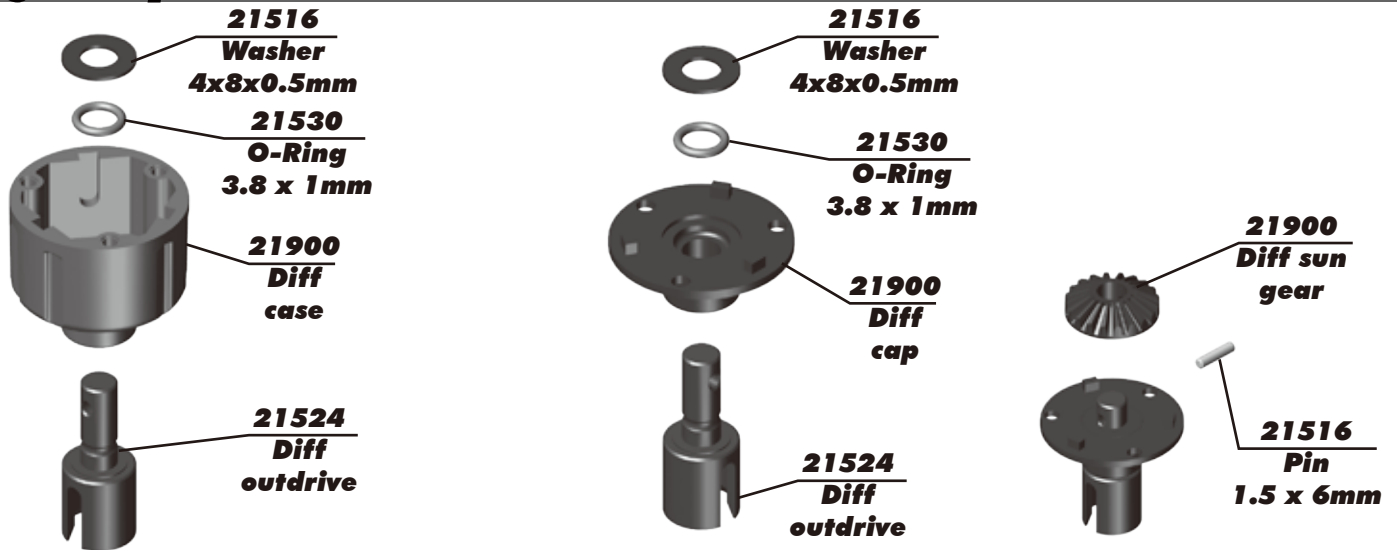
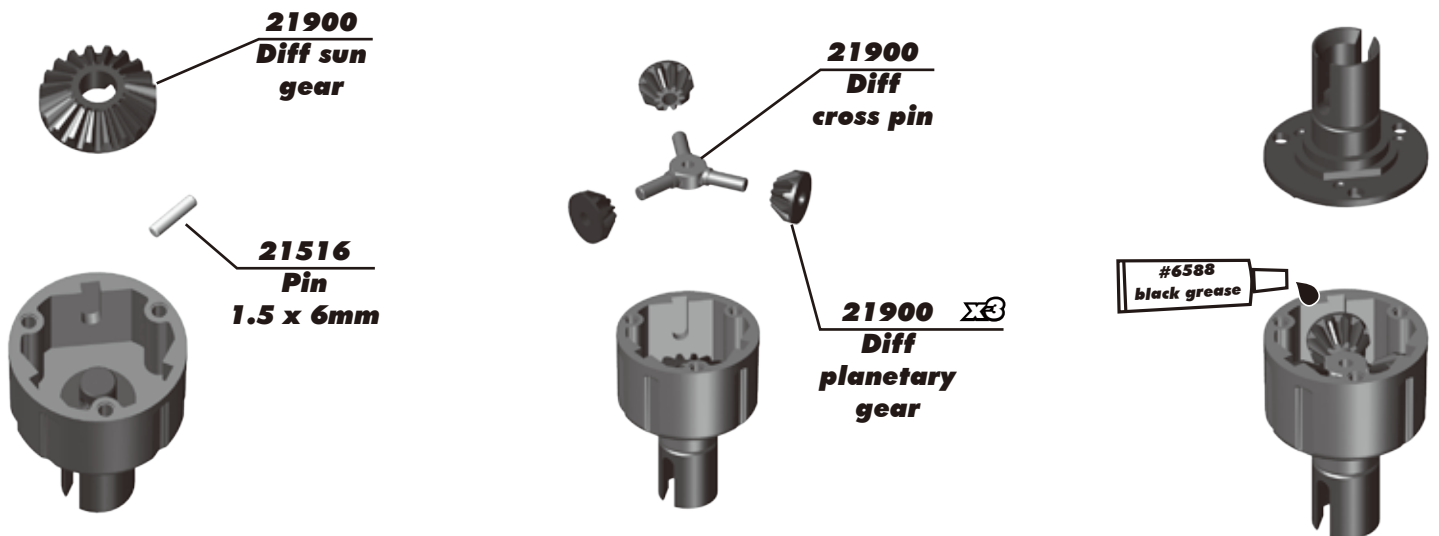


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:: Hardware - 1:1 Scale View

Flat Head (fhcs)  2.5x10mm (31350)	Cap Head (shcs)  2.5x12mm (8691)	Ball Bearings  4x7x2.5mm (21512)  4x8x3mm (21512)  8x12x3.5mm (21512)
Flat Head (fhst)  2x8mm (21546)  2.6x8mm (21546)  2.6x10mm (21546)	Set Screws  3x2.5mm (31500)  3x3mm (25225)  3x8mm (4670)	Shims and Washers  2.7x6.7x0.5mm (21546)  4x8x0.5mm (21516)
Button Head (bhcs)  2.5x6mm (31520)	Nuts (lock/plain)  M2.5 Locknut (89215, 21546)  M4 Locknuts: Serrated Steel (Silver)(91826) Flanged (Black) (91148) FT Aluminum (Blue) (31551) Serrated Aluminum (Black) (91738)	
Button Head (bhst)  2.6x6mm (21546)  2.6x8mm (21546)  2.6x10mm (21546)		

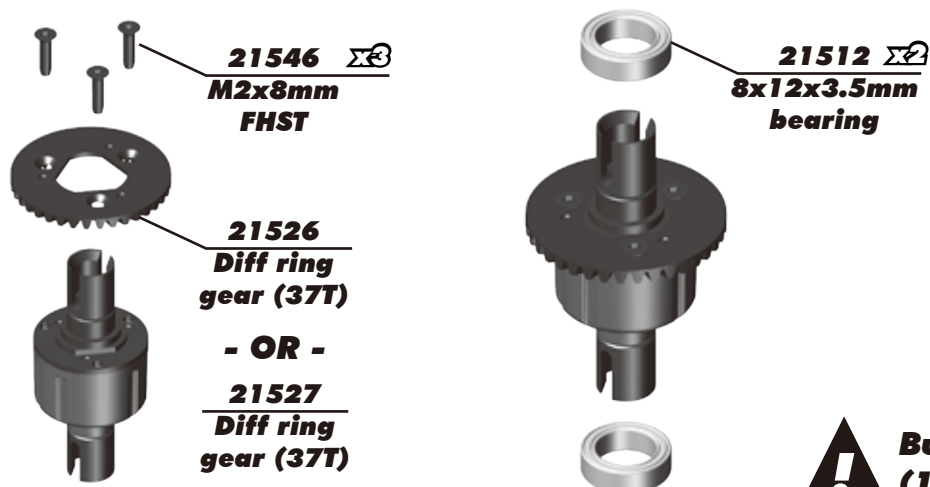
Notes:

:: Bag 1 - Step 1**:: Bag 1 - Step 2****:: Bag 1 - Step 3**

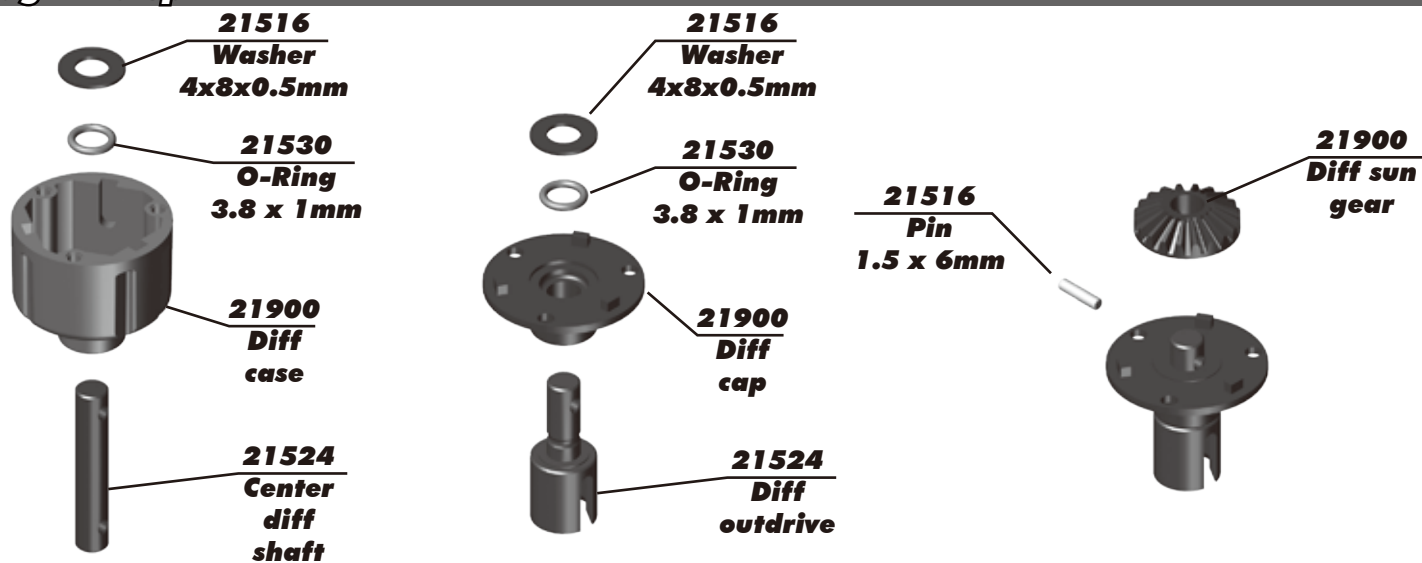
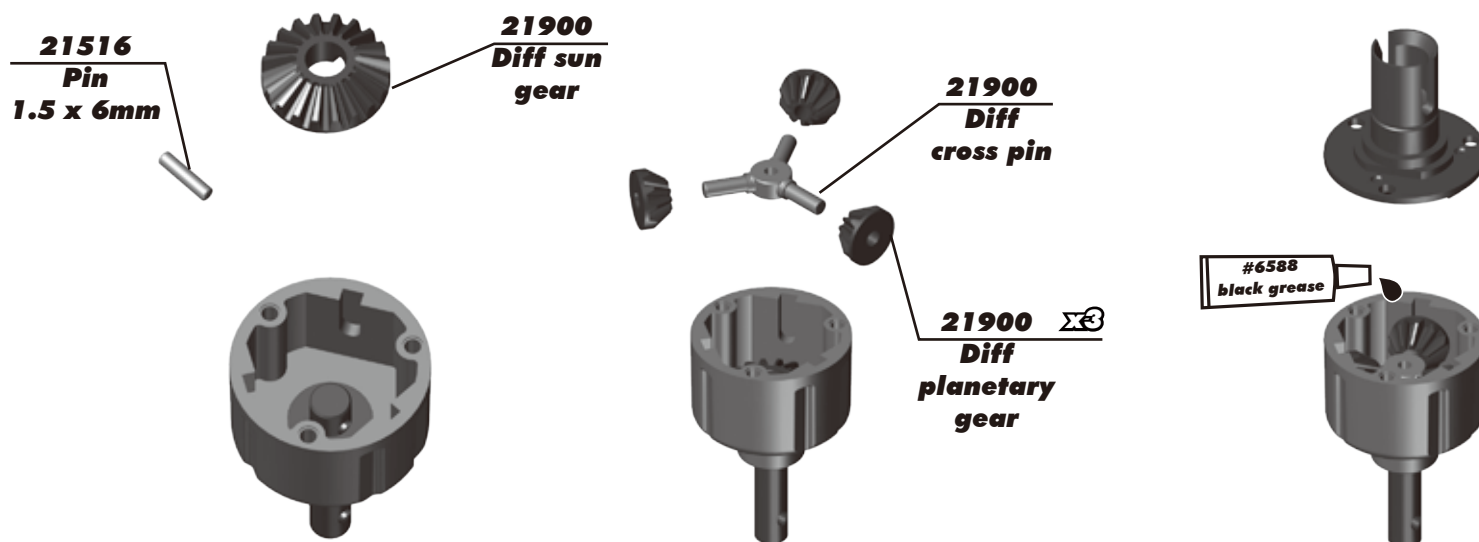
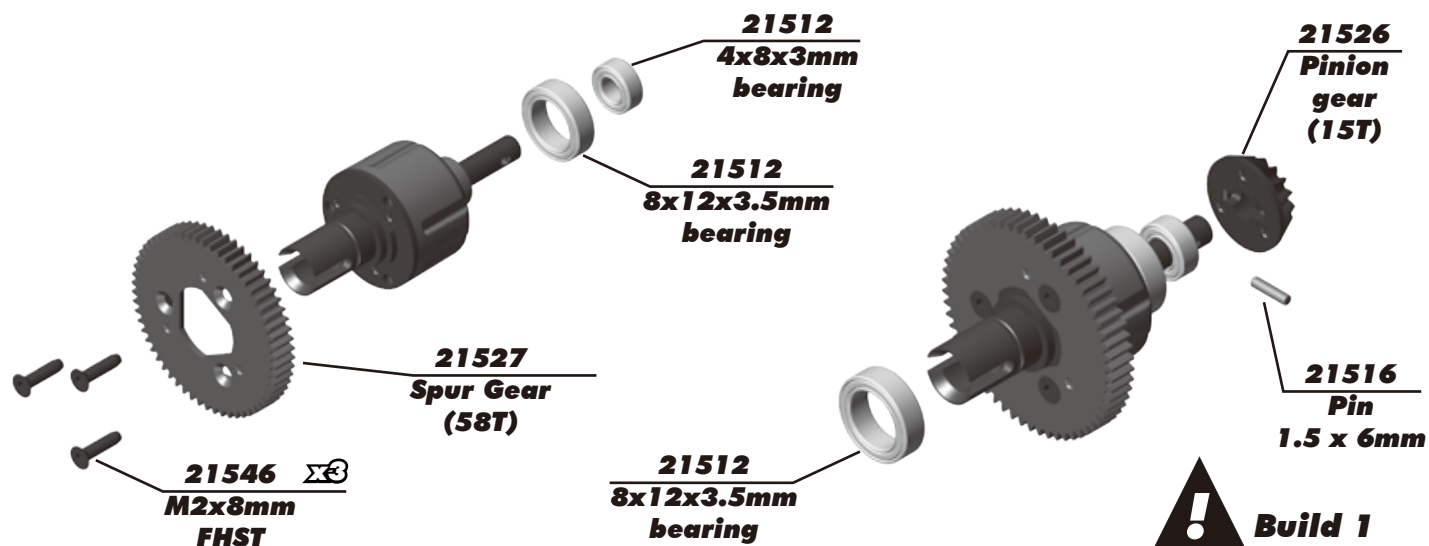
!

#21526 comes with two ring and pinions

#21527 comes with two ring and pinions, and two spur gears (58T, 70T)



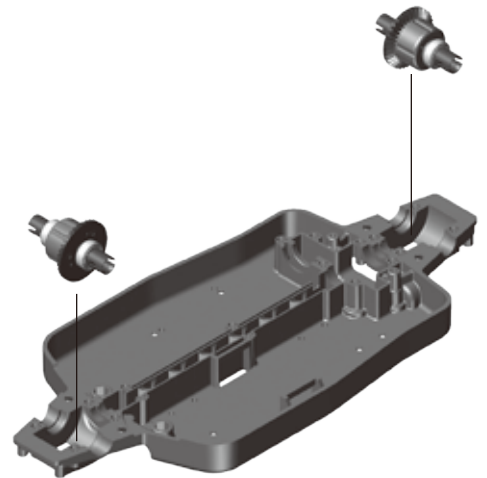
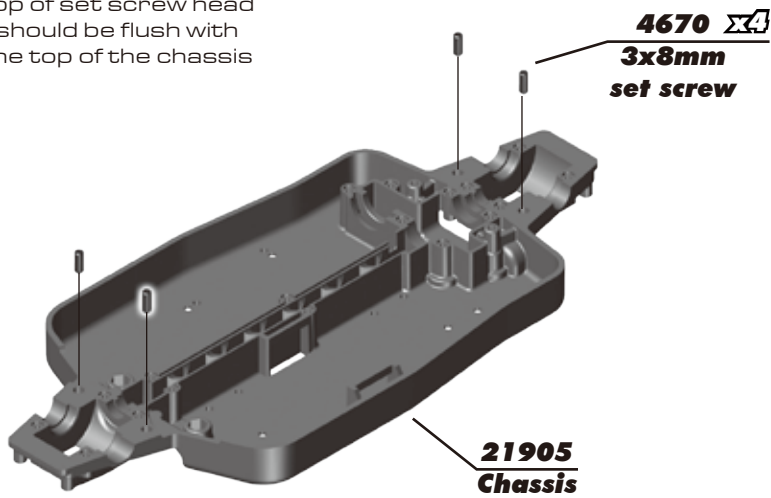
! **Build 2**
(1 front, 1 rear)

:: Bag 1 - Step 4**:: Bag 1 - Step 5****:: Bag 1 - Step 6**

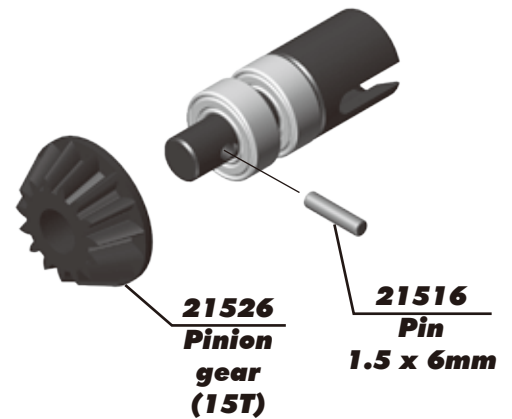
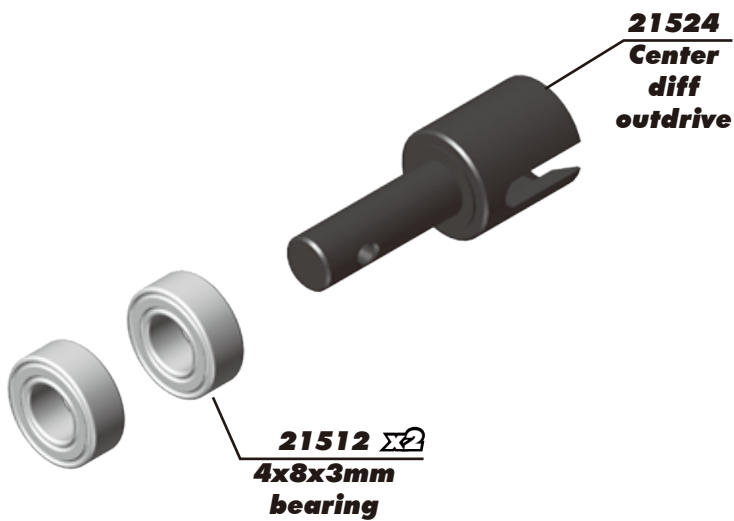
:: Bag 1 - Step 7



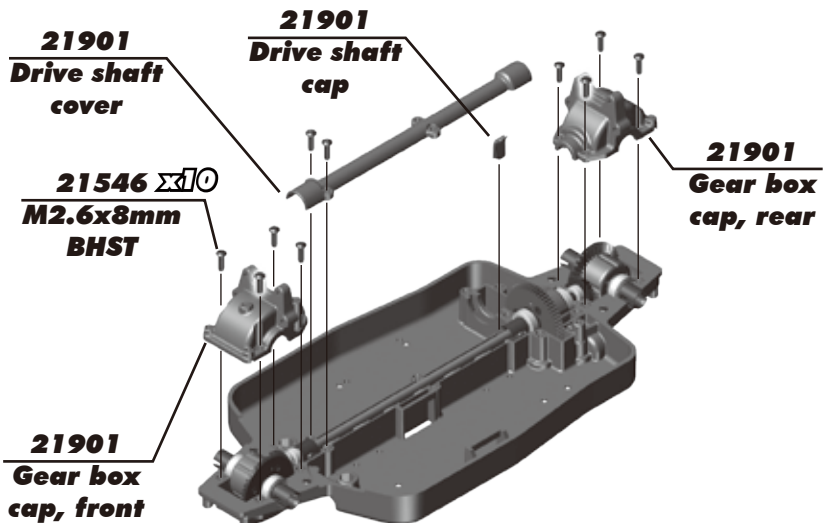
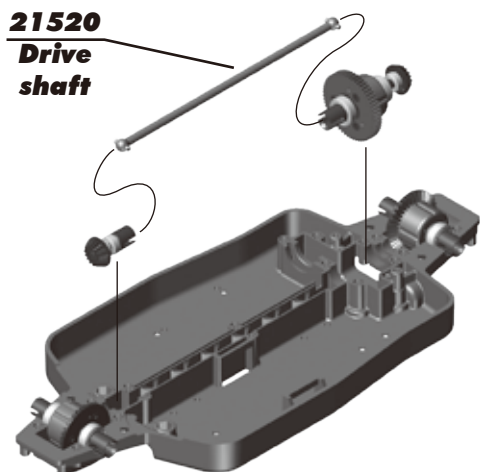
Top of set screw head should be flush with the top of the chassis



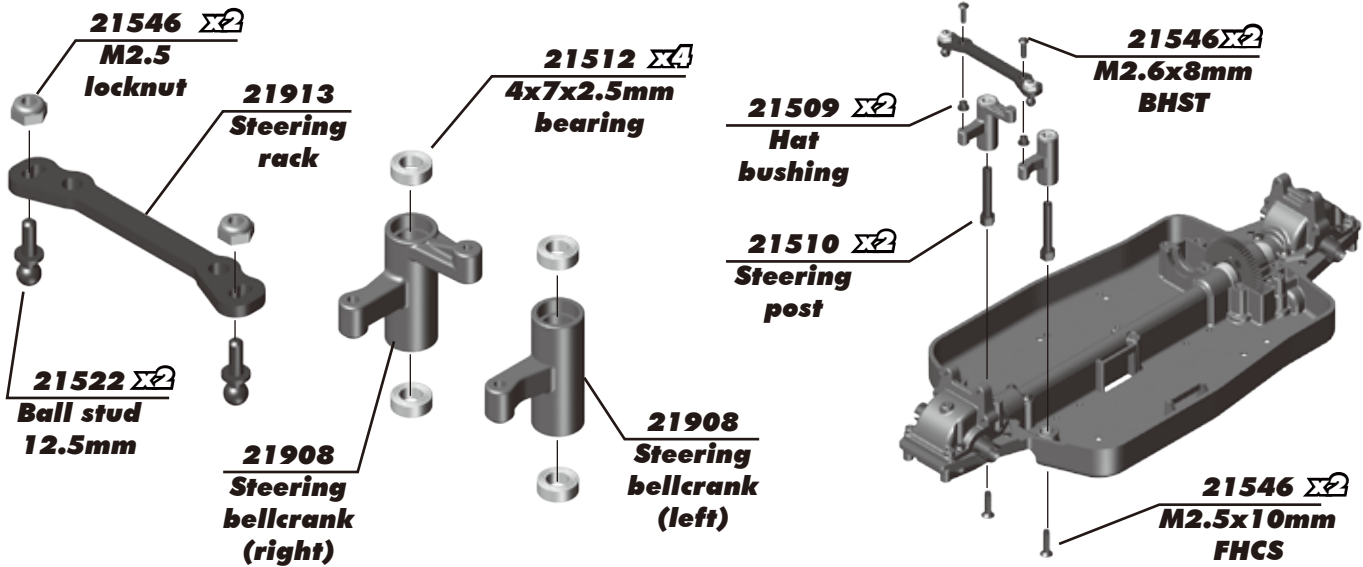
:: Bag 2 - Step 1



:: Bag 2 - Step 2

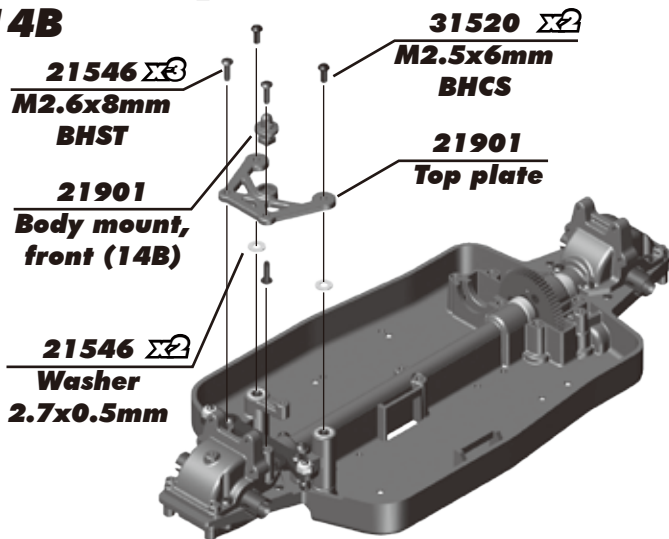


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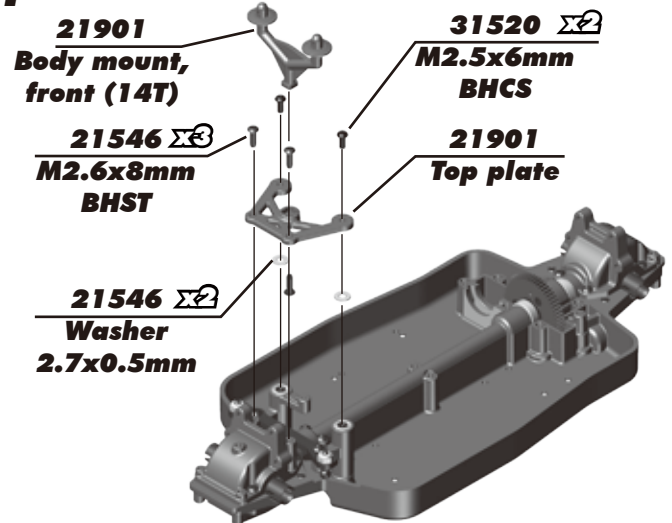


:: Bag 2 - Step 4

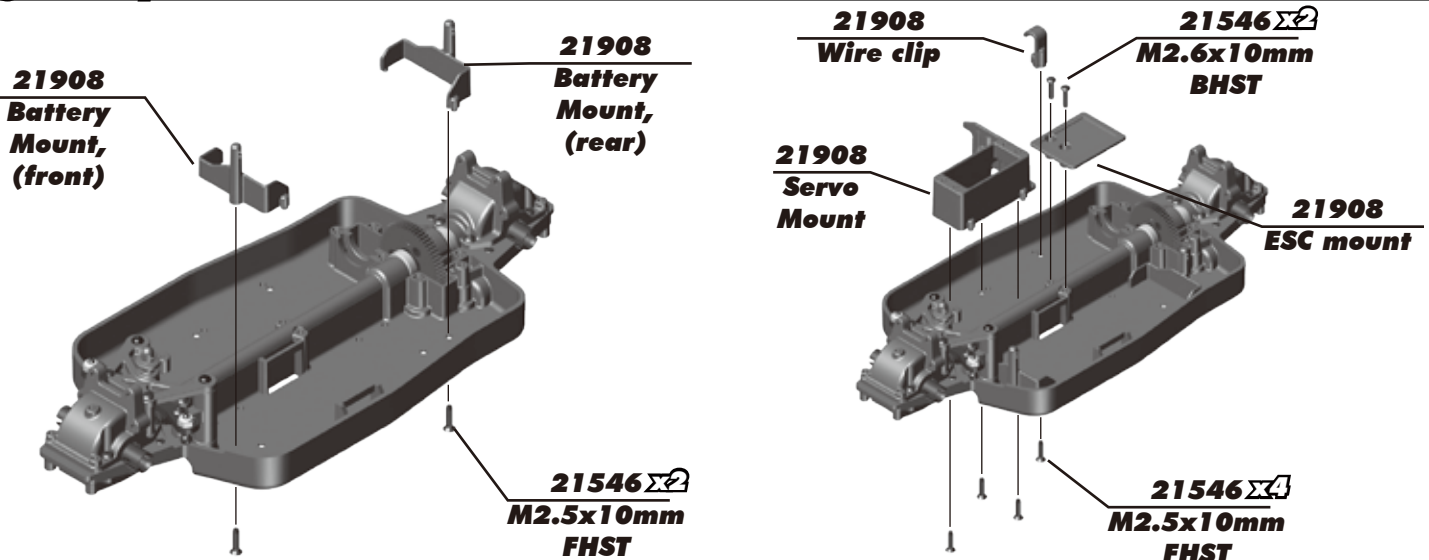
14B



14T



:: Bag 2 - Step 5



:: Bag 3 - Step 1

21907
Shock
tower,
front

21546 $\Sigma 4$
M2.6x8mm
BHST

21522 $\Sigma 2$
Ball stud
12.5mm

21908
Shock tower
support, rear

21546 $\Sigma 2$
M2.6x8mm
BHST

:: Bag 3 - Step 2

21907
Shock
tower,
rear

21546 $\Sigma 2$
M2.6x8mm
BHST

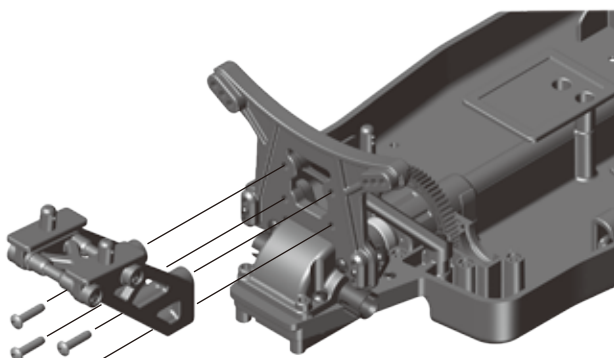
21522 $\Sigma 2$
Ball stud
12.5mm

21907 $\Sigma 2$
Wing
mounts
(right, left)

21907
Wing
mount
brace

21546 $\Sigma 4$
M2.6x8mm
BHST

:: Bag 3 - Step 3



21546 $\Sigma 4$
M2.6x10mm
BHST

21903 $\Sigma 2$
Front
arms

21511 $\Sigma 2$
Inner
hinge pin,
3x47mm

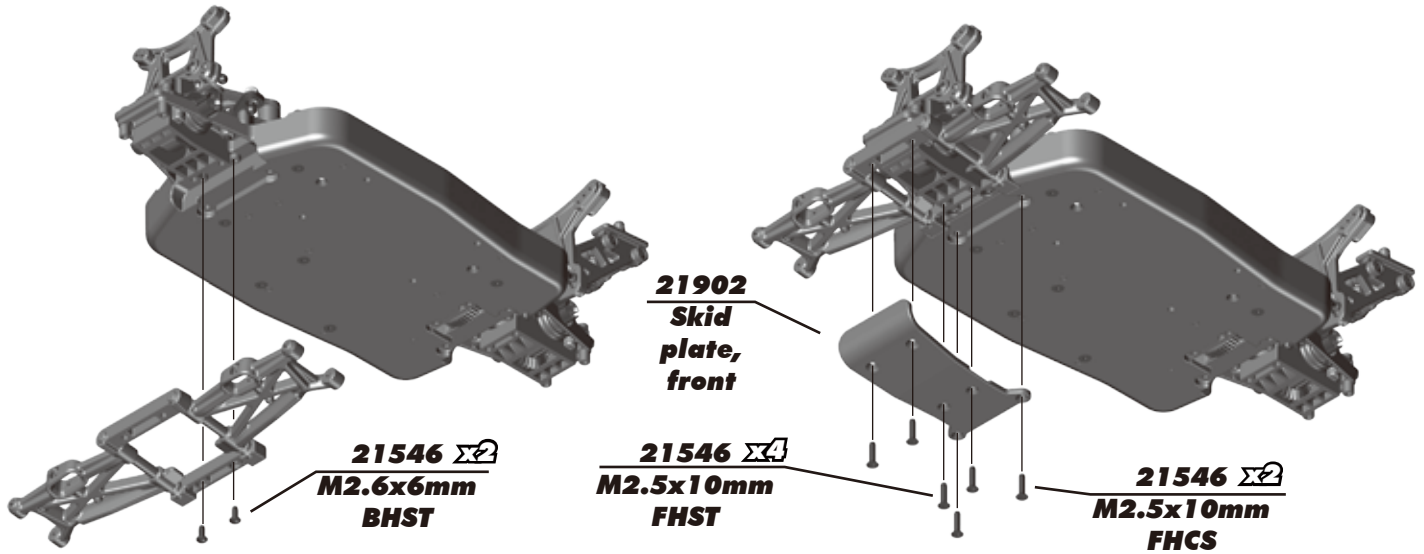
21902
Arm
mount, A

21903 $\Sigma 2$
Front arm
spacers

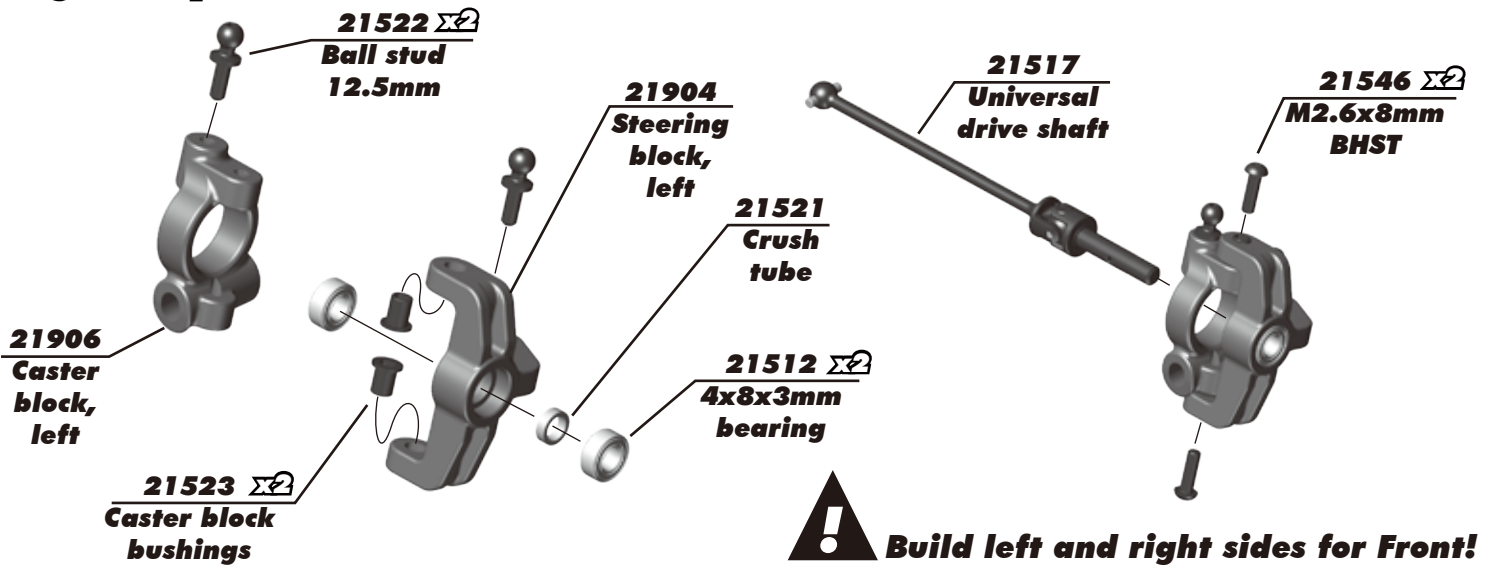
21902
Arm
mount, B

21902 $\Sigma 2$
Arm mount
bushing

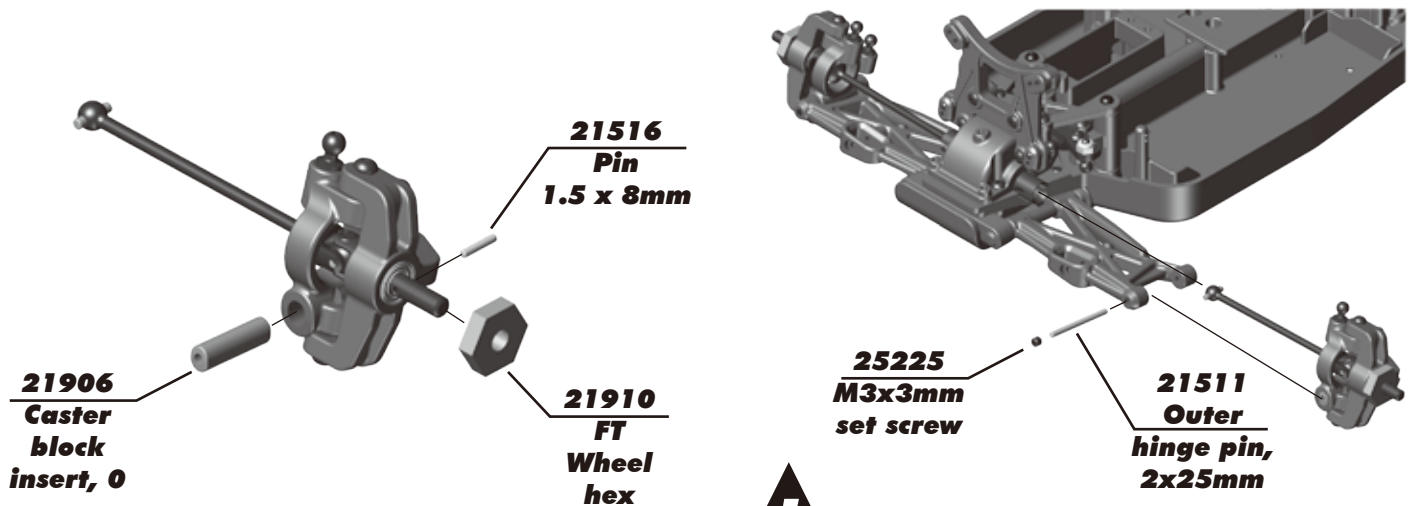
:: Bag 3 - Step 4

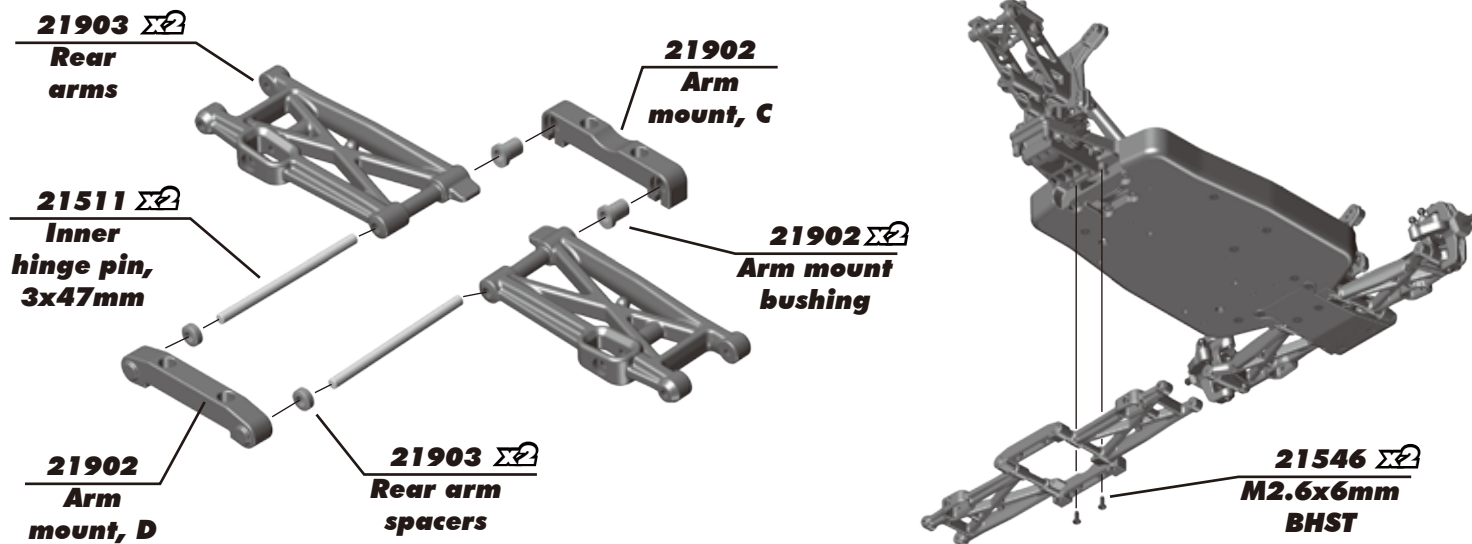
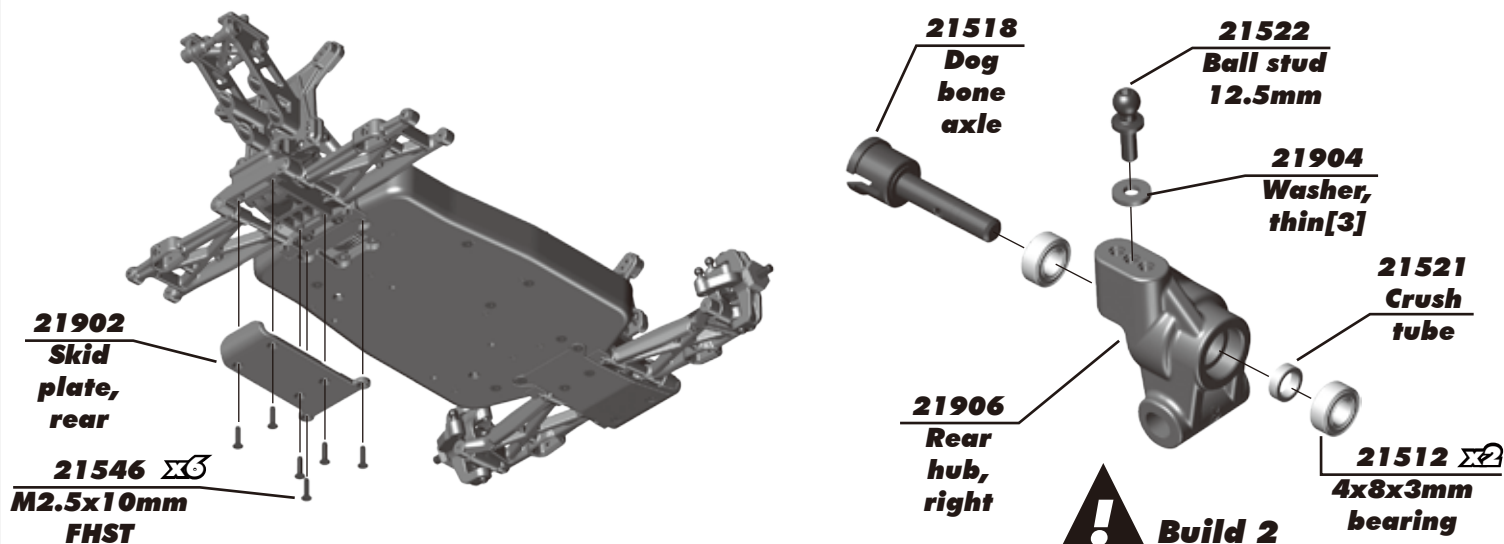
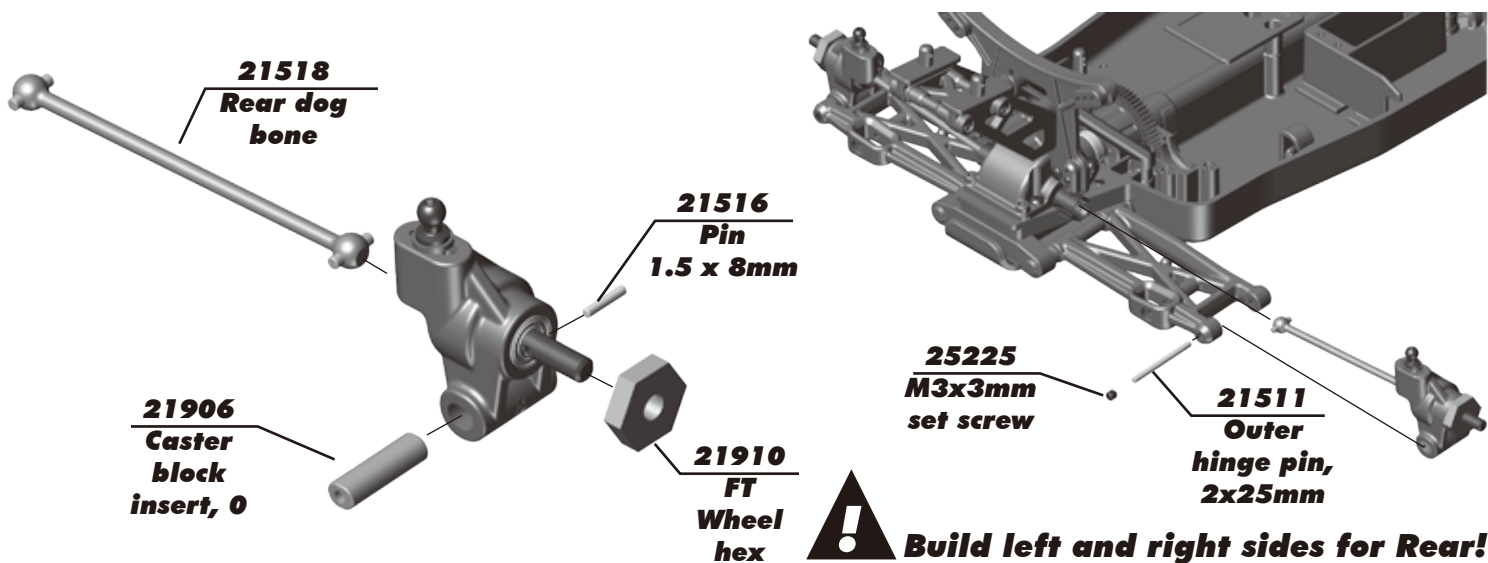


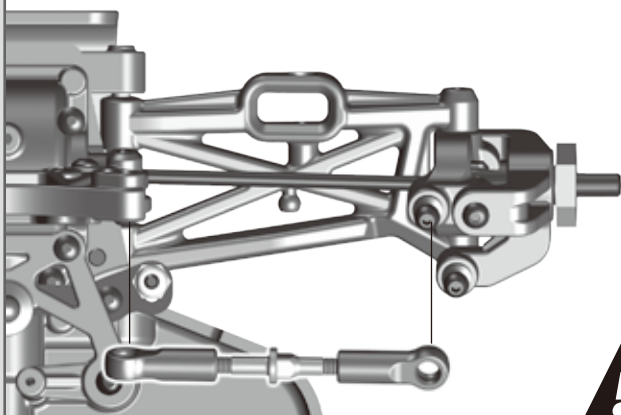
:: Bag 3 - Step 5



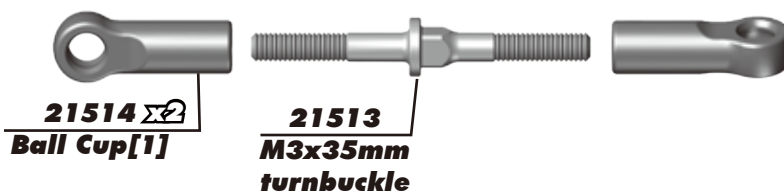
:: Bag 3 - Step 6



:: Bag 4 - Step 1**:: Bag 4 - Step 2****:: Bag 4 - Step 3**

:: Bag 4 - Step 4

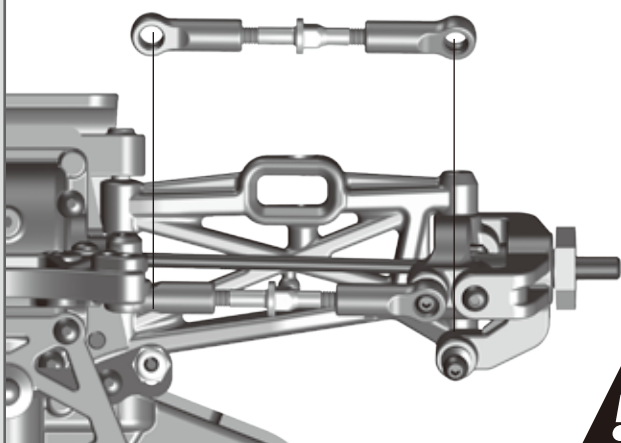
! For front steering
Build x2 (right and left side)



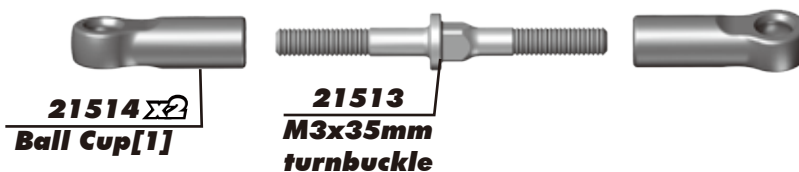
Orient the flange to the left throughout the car. It indicates which end has the left hand threads!



Front Camber Turnbuckle
20.00mm

**:: Bag 4 - Step 5**

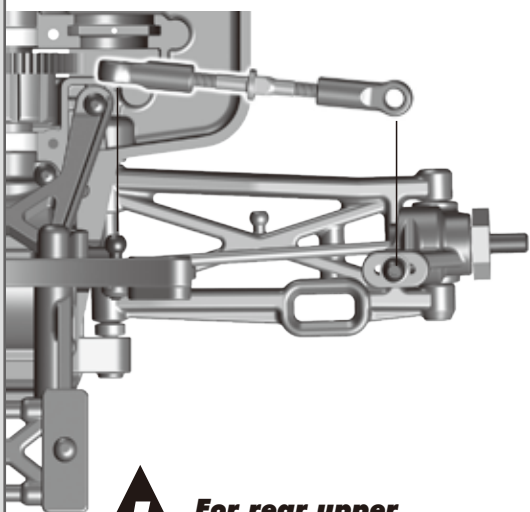
! For front upper
Build x2 (right and left side)



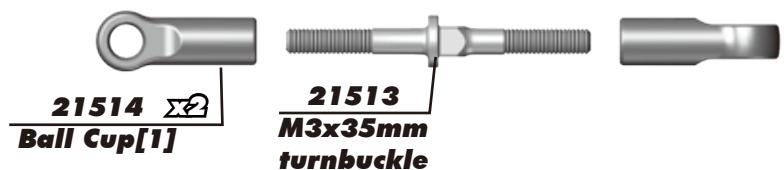
Orient the flange to the left throughout the car. It indicates which end has the left hand threads!



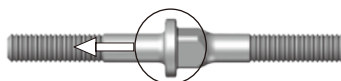
Steering Turnbuckle
19.50mm

**:: Bag 4 - Step 6**

! For rear upper
Build x2 (right and left side)

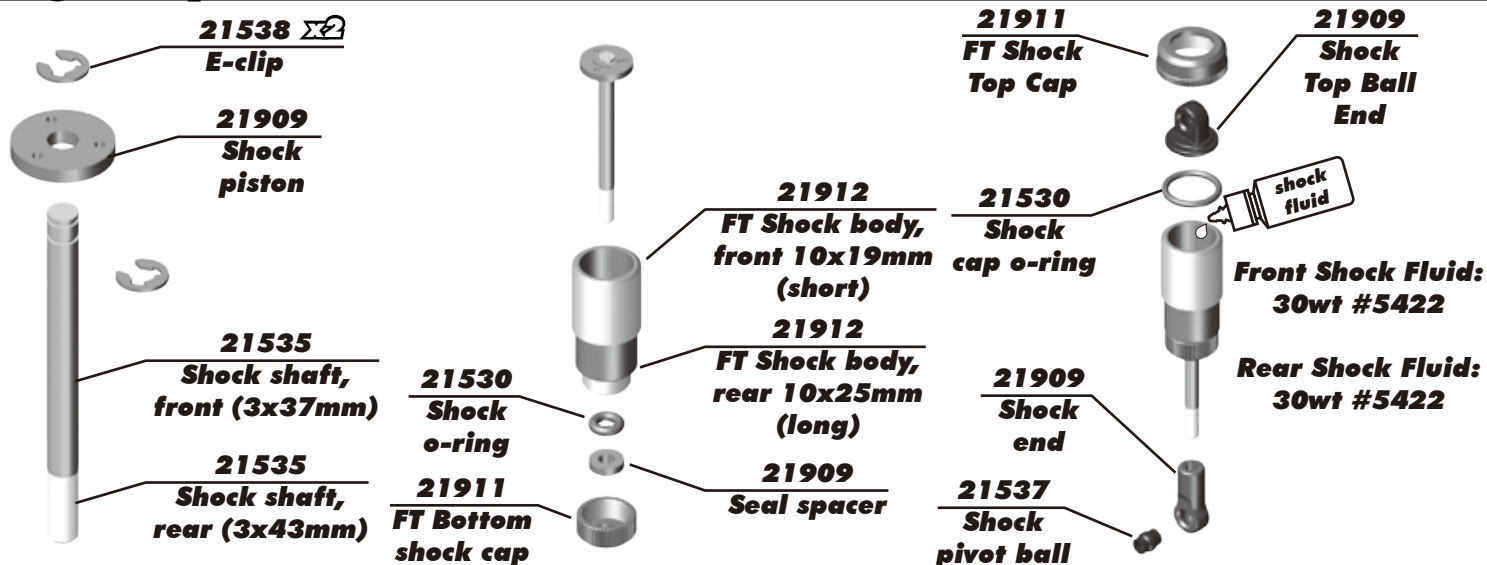


Orient the flange to the left throughout the car. It indicates which end has the left hand threads!



Rear Camber Turnbuckle
23.25mm



:: Bag 5 - Step 1**:: Bag 5 - Step 2**

!

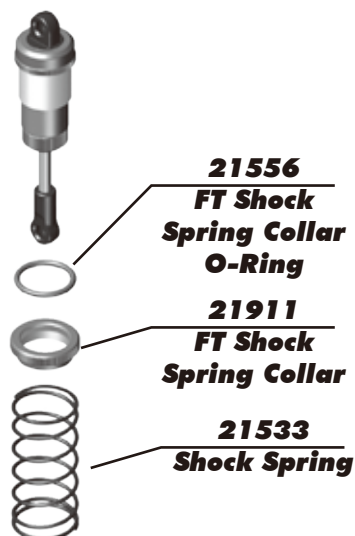
Compress shock shaft half way. Let shock fluid bleed from cap, then tighten cap.

For less rebound, compress shock shaft farther before tightening the shock cap.

For more rebound, do not compress shock shaft as far before tightening the shock cap.



Some residual shock fluid may appear from your first few runs around the shock cap as a result of bleeding.

:: Bag 5 - Step 3

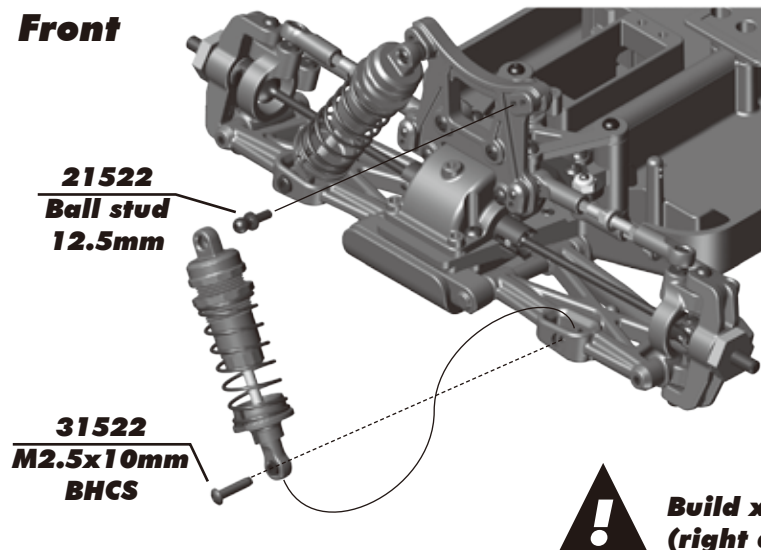
21909 Shock cup



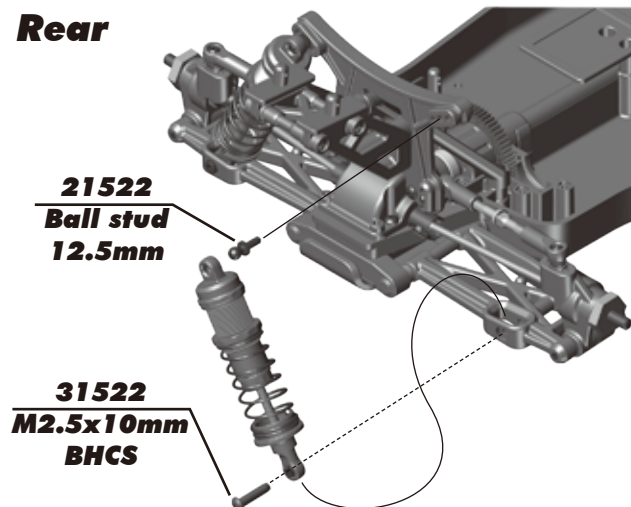
Build x4 (x2 front, x2 rear)

:: Bag 5 - Step 4

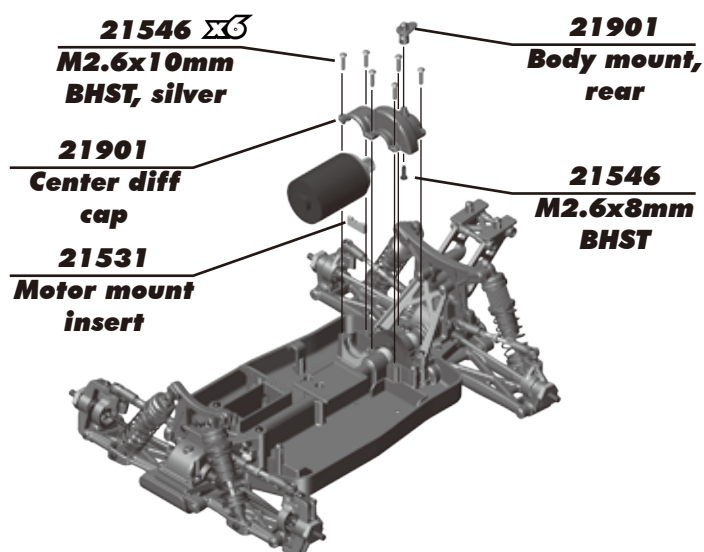
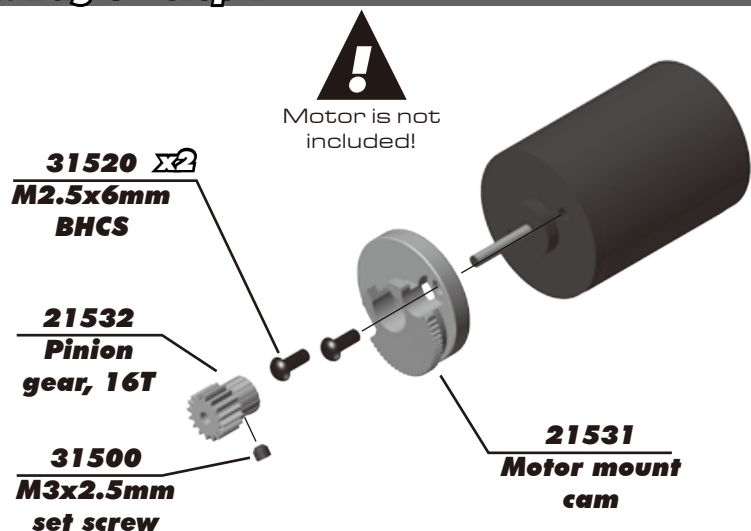
Front



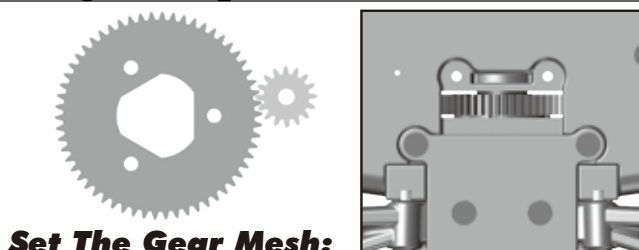
Rear



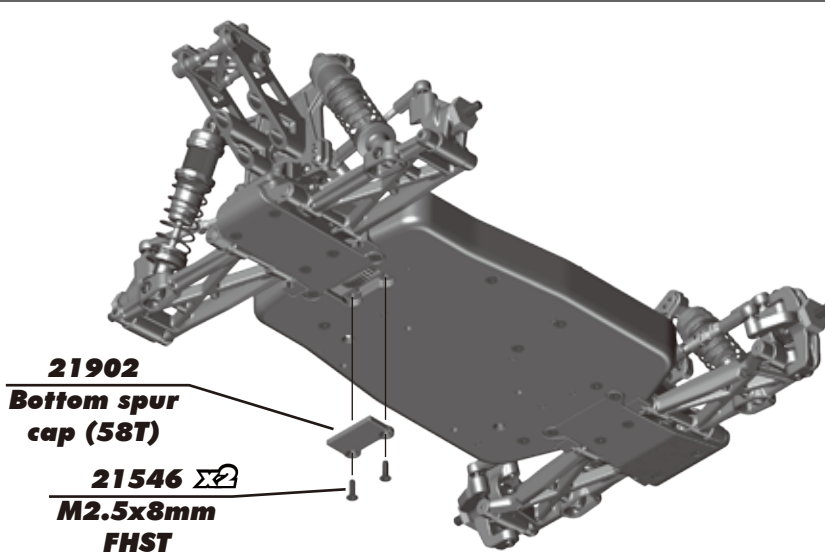
:: Bag 6 - Step 1



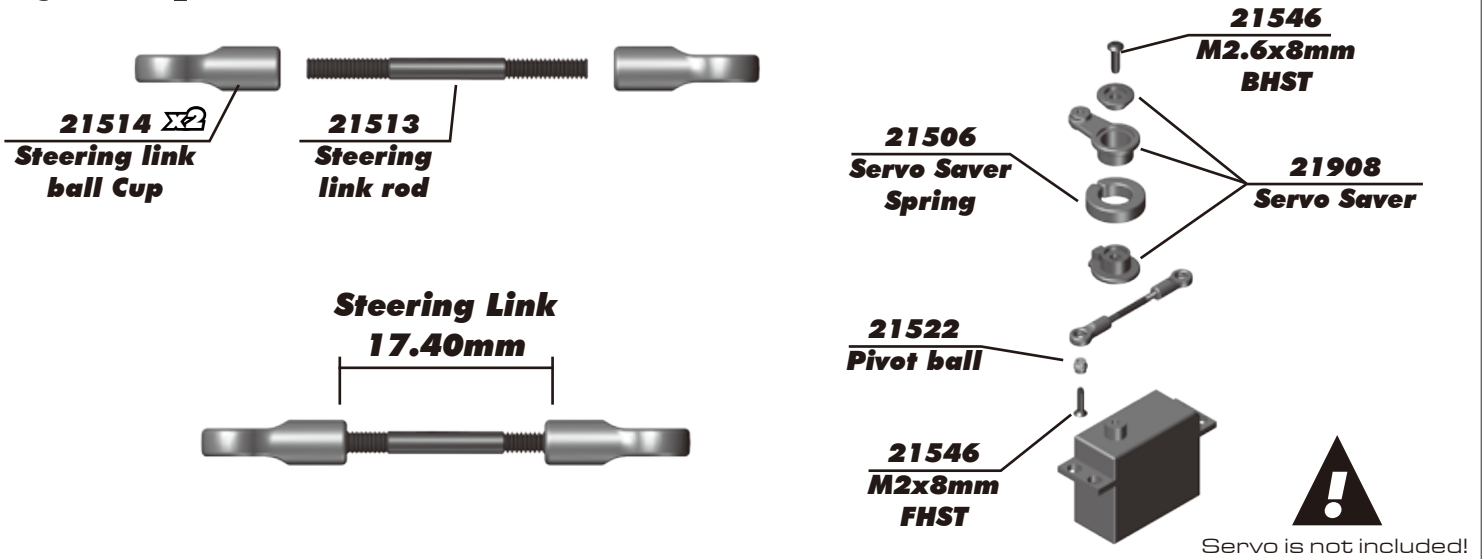
:: Bag 6 - Step 2



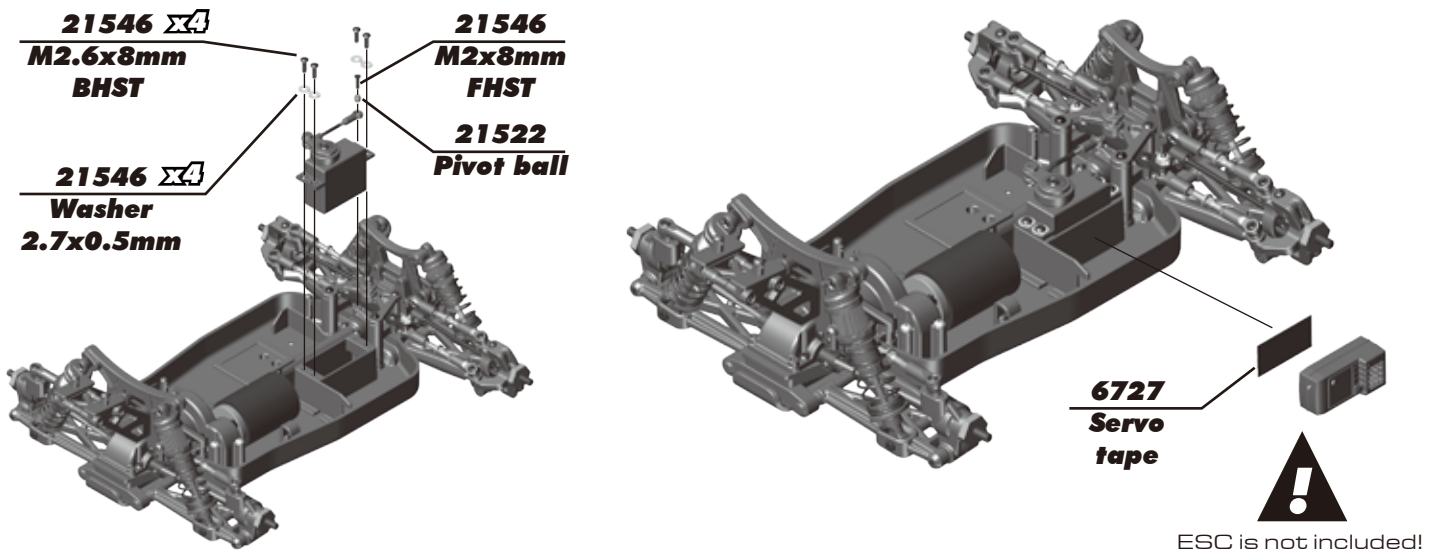
To set the gear mesh, push the teeth of the motor mount cam #21531 into the corresponding tooth pattern of the motor mount insert. Once the teeth are seated, you should be able to rock the spur gear back and forth without making the pinion gear move. Excessive amounts of spur gear movement (loose gear mesh) will cause premature gear failure. If the spur gear mesh is tight, there will be no movement between the spur and pinion gears. A gear mesh that is too tight or too loose will reduce power and damage the gear teeth.



:: Bag 6 - Step 3



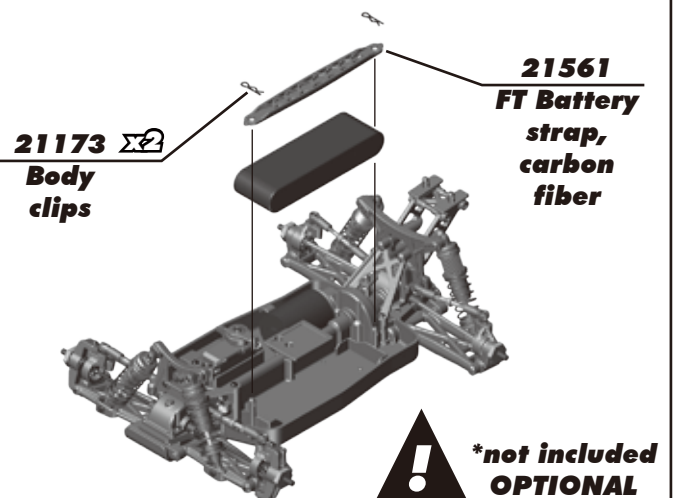
:: Bag 6 - Step 4

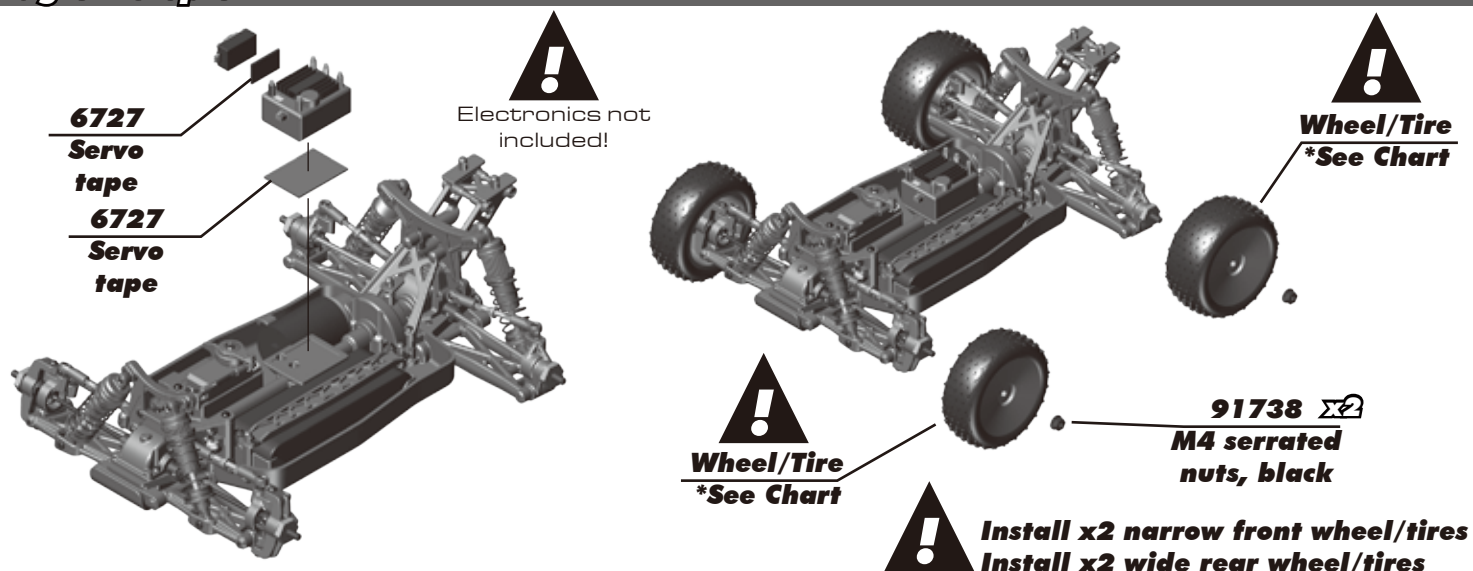


:: Bag 6 - Step 5

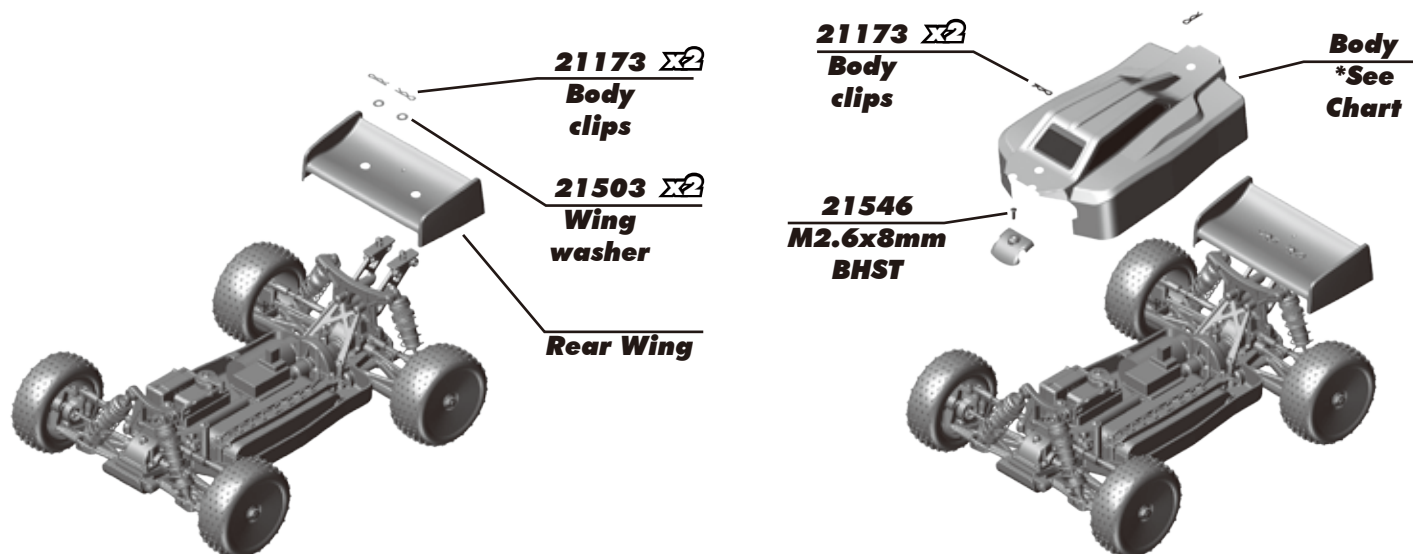


Use strapping tape to secure battery to chassis!



:: Bag 6 - Step 6**:: Step 1**

RTR Part Number	Wheel and Tire		Body
	Front	Rear	
#20175 Reflex 14B	#21539 Mini Pin, Narrow, Black, Mounted	#21540 Mini Pin, Wide, Black, Mounted	#21541 Reflex 14B body, clear
#20176 Reflex 14T	#21540 Mini Pin, Wide, Black, Mounted		#21543 Reflex 14T body, clear
#20179 Reflex 14B, Gama	#21595 Mini Pin, Narrow, White, Mounted	#21596 Mini Pin, Wide, White, Mounted	#21594 Reflex 14B body, Gamma, clear
#21597 Reflex 14B, Ongaro	#21595 Mini Pin, Narrow, White, Mounted	#21596 Mini Pin, Wide, White, Mounted	#21594 Reflex 14B body, Gamma, clear
#20193 Reflex 14B, Classic	#21595 Mini Pin, Narrow, White, Mounted	#21596 Mini Pin, Wide, White, Mounted	#21914 Reflex 14B body, Gamma, clear

:: Step 2

:: Notes

:: Notes



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