

Reflex^{14B}

OFF ROAD BUGGY



SCALE 1:14 VEHICLE	KIT	4 WHEEL DRIVE	ELEC. POWERED	OFF ROAD	NOT INCLUDED	NOT INCLUDED

1:14 Scale 4WD Electric Off Road Buggy Kit Manual



CHAMPIONS *by* DESIGN

AssociatedElectrics.com

TEAM ASSOCIATED

:: 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

:: Table of Contents

1..... Cover	4 - 15.....Steps 1-36
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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

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

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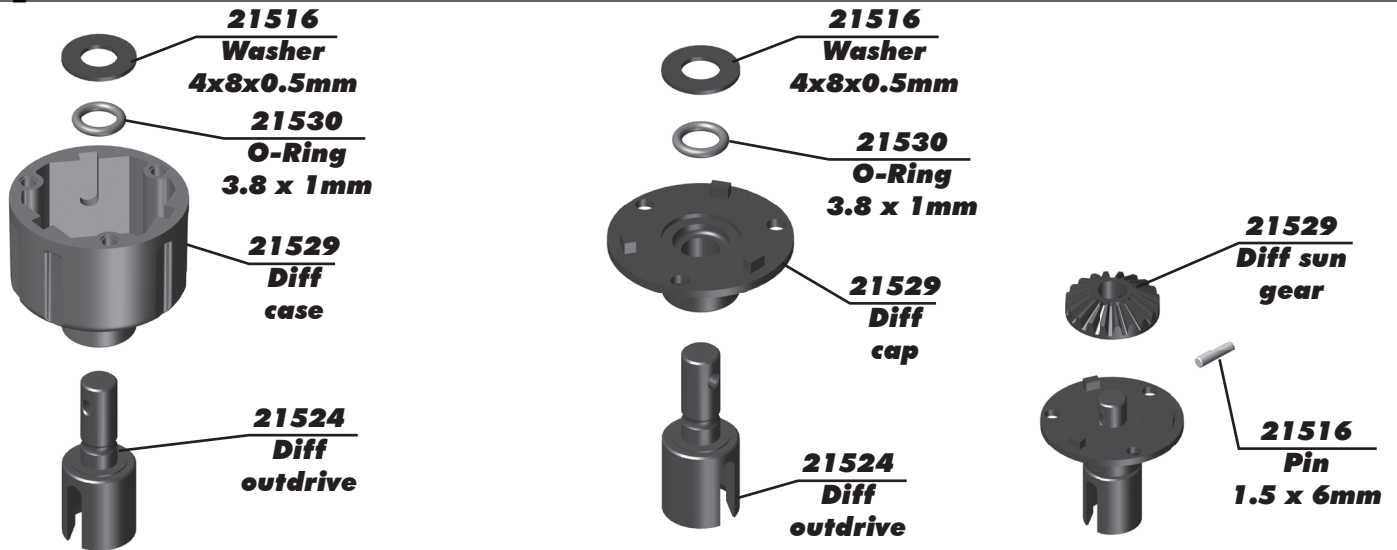
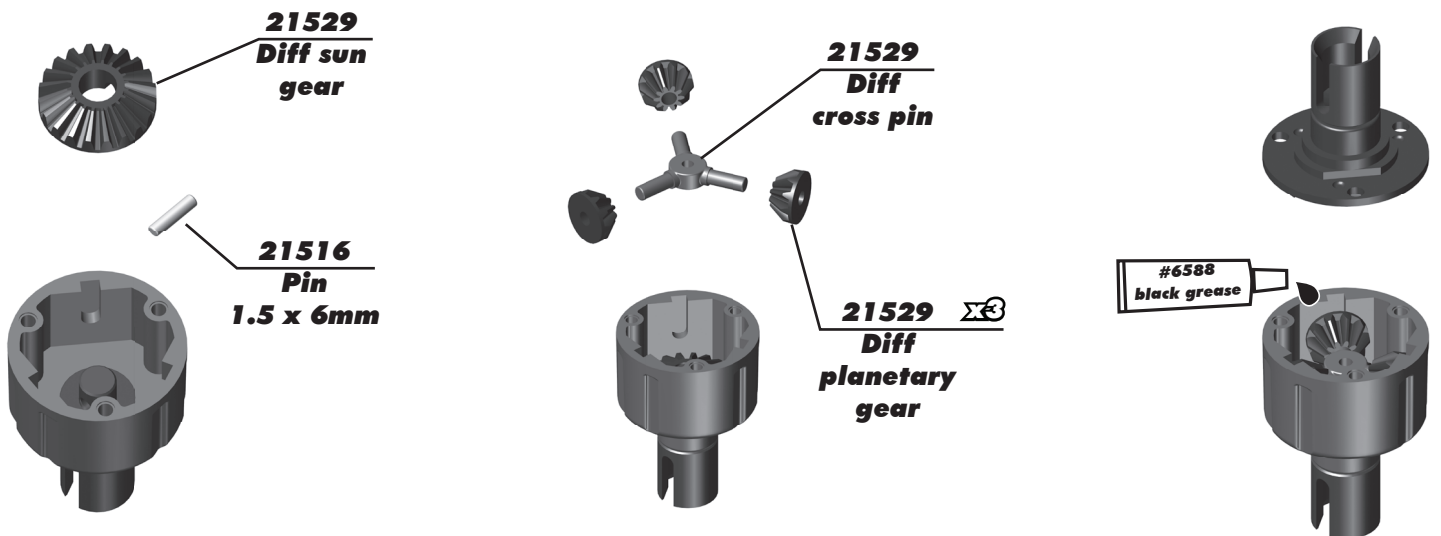


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:: Hardware - 1:1 Scale View

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)	
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)	Shims and Washers 2.7x6.7x0.5mm (21546) 4x8x0.5mm (21516)
Button Head (bhst) 2.6x6mm (21546) 2.6x8mm (21546) 2.6x10mm (21546)		

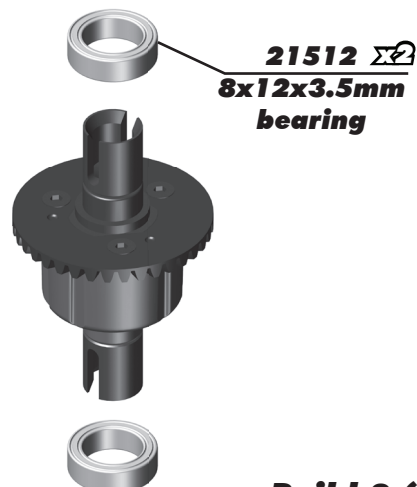
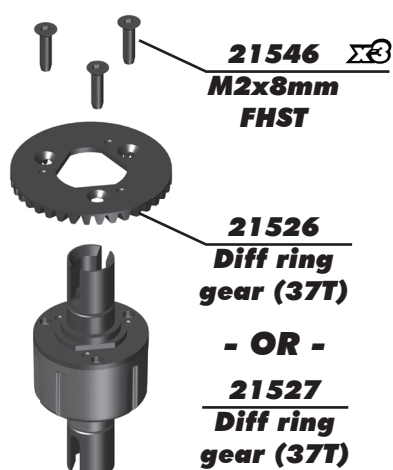
Notes:

:: Step 1**:: Step 2****:: Step 3**

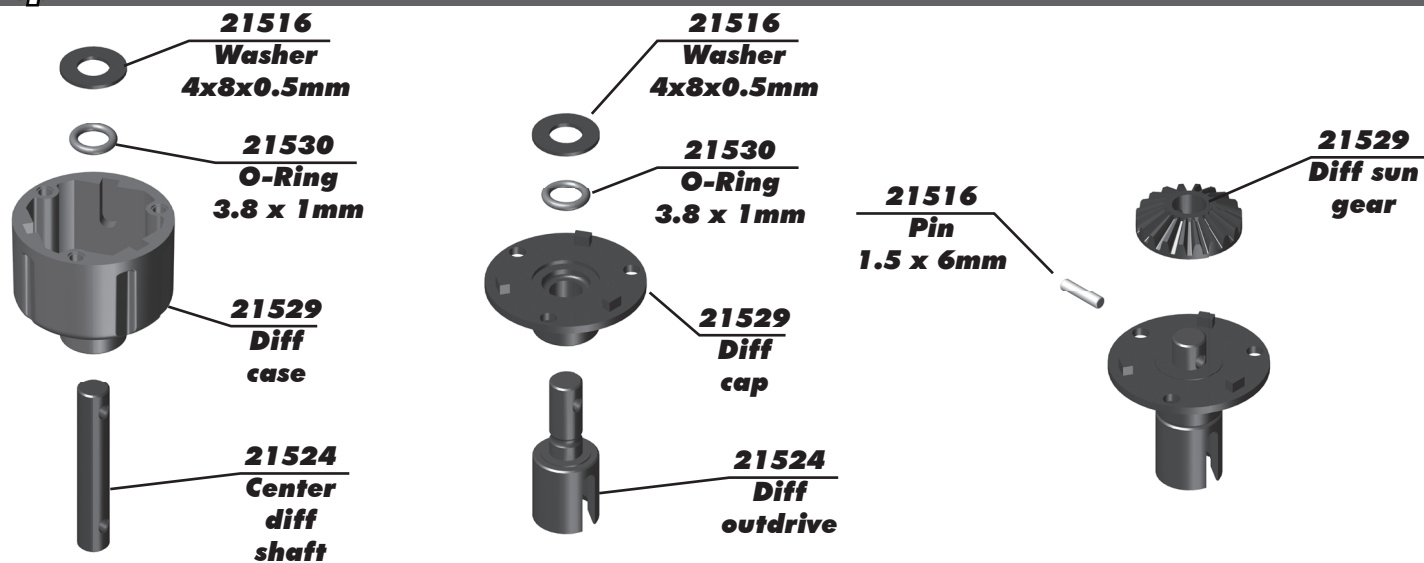
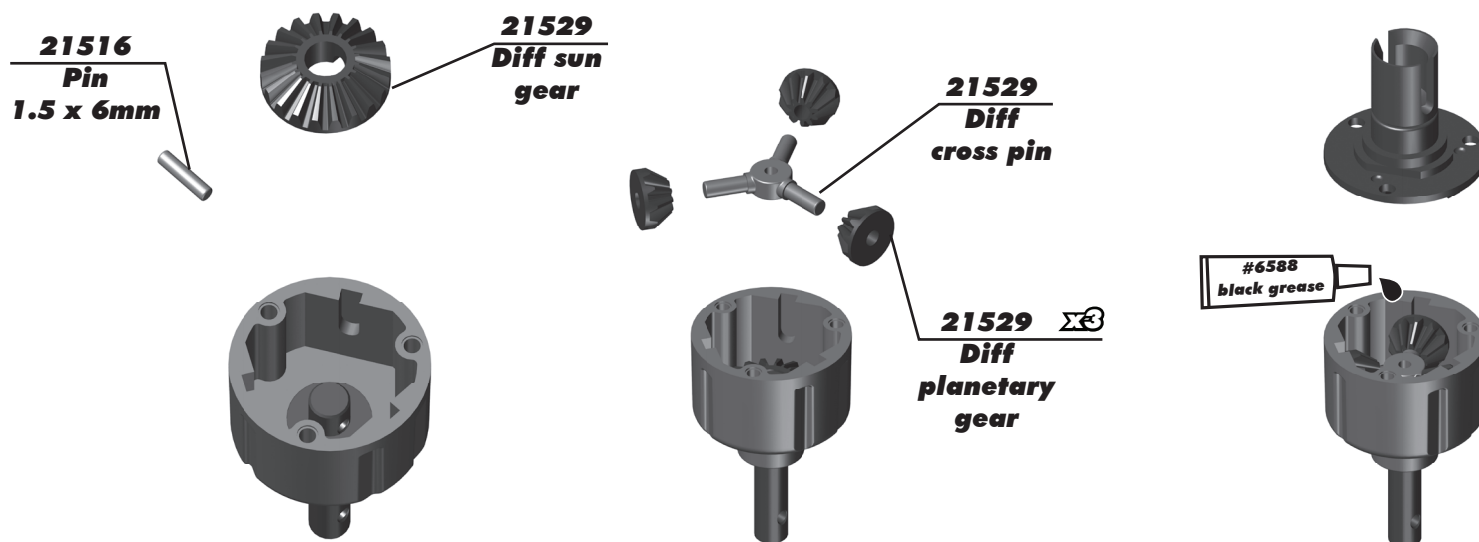
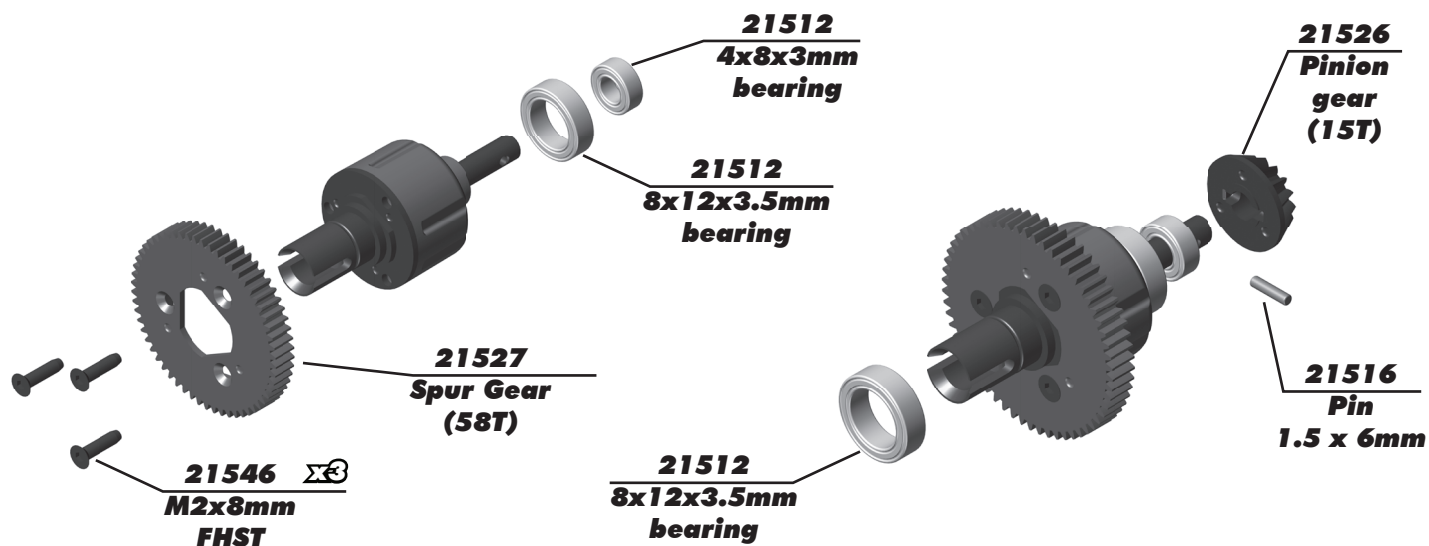
!

#21526 comes with two ring and pinions

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



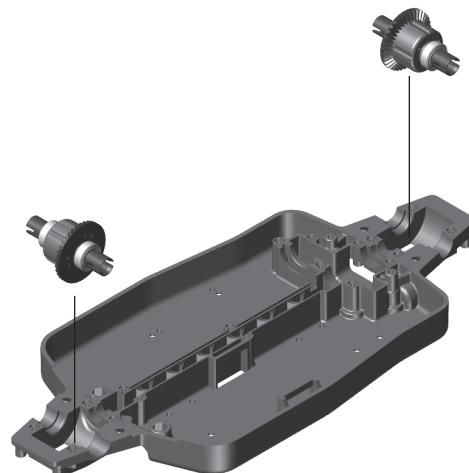
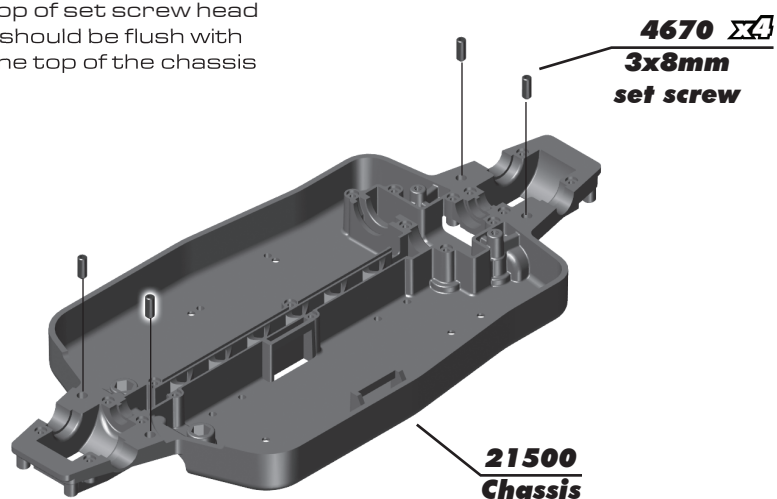
Build 2 (1 front, 1 rear)

:: Step 4**:: Step 5****:: Step 6**

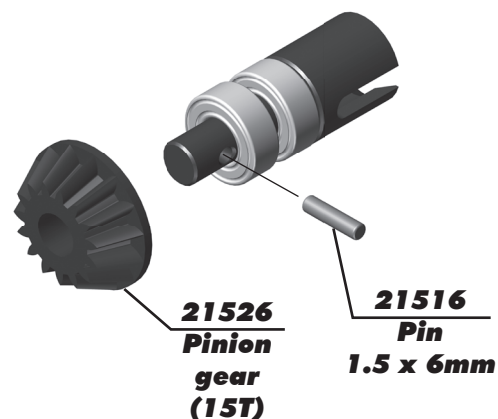
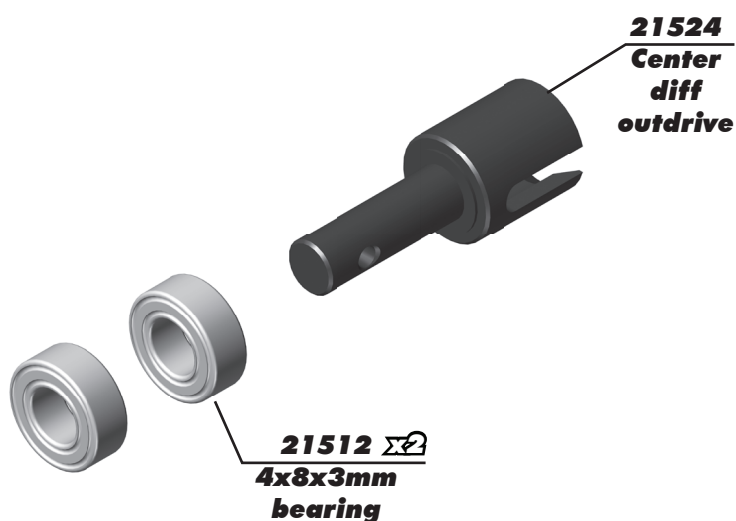
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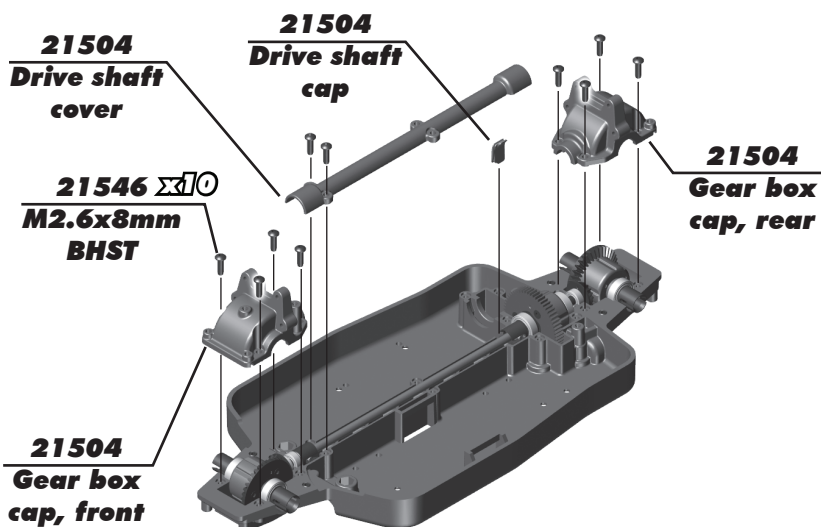
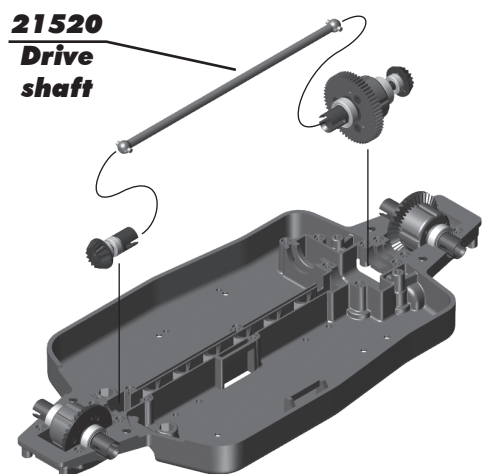
Top of set screw head should be flush with the top of the chassis



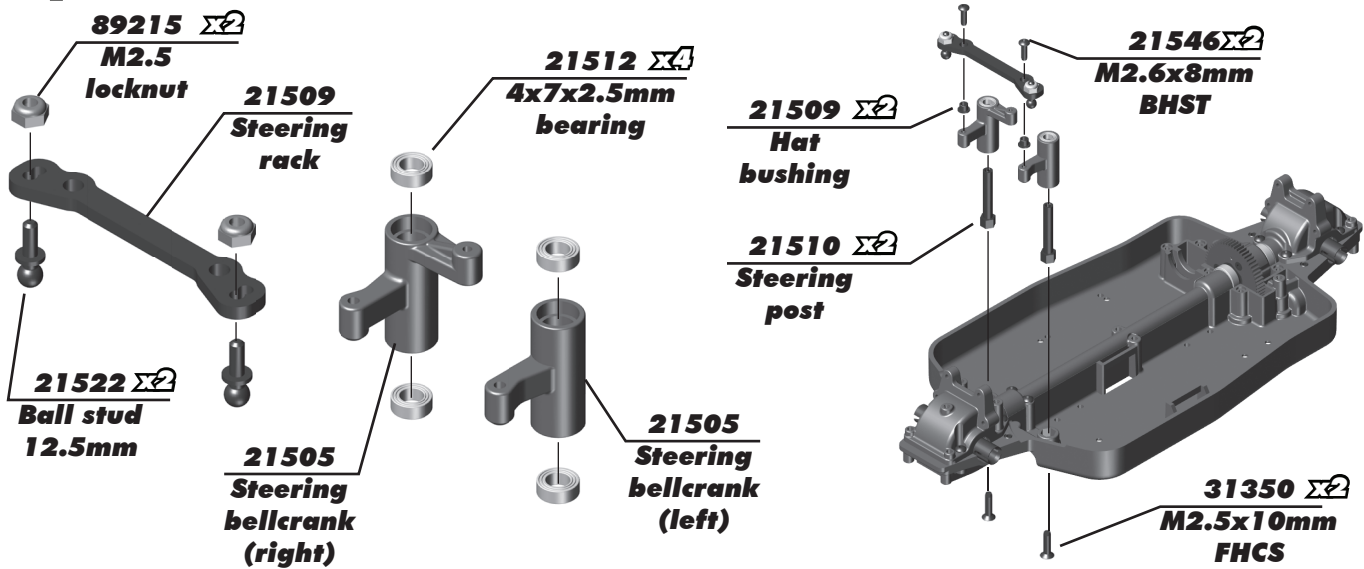
:: Step 8



:: Step 9

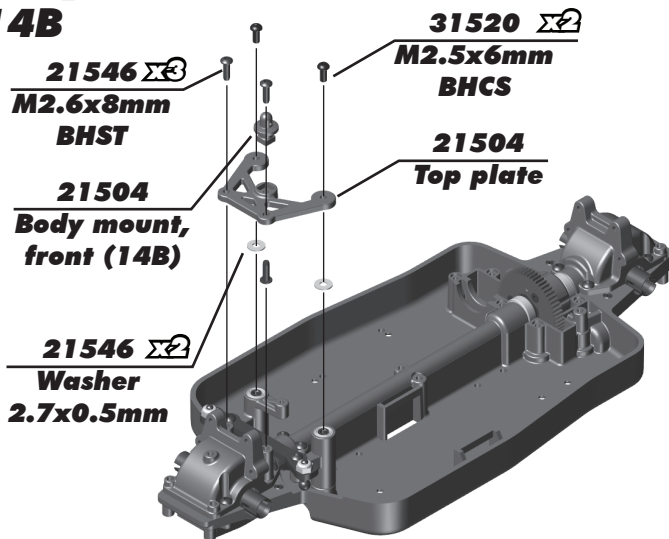


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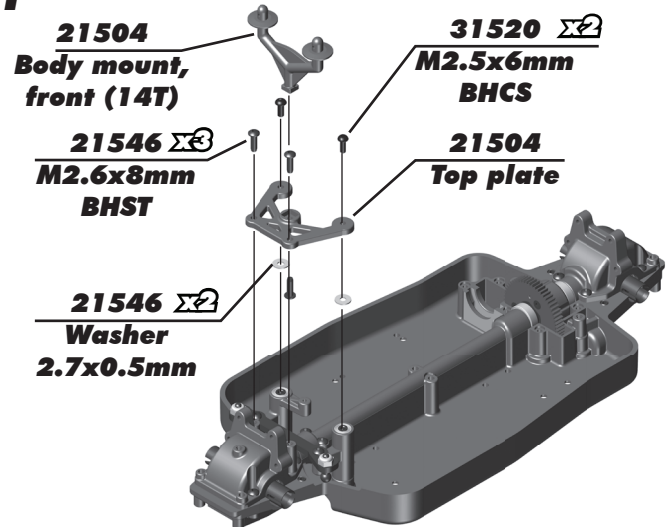


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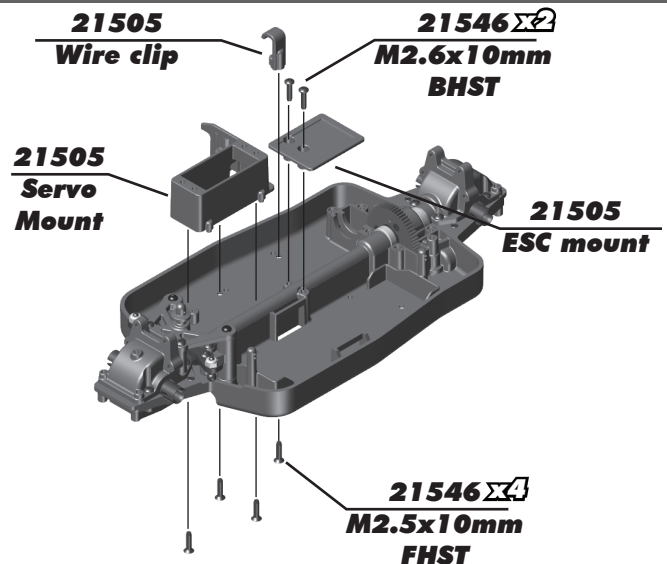
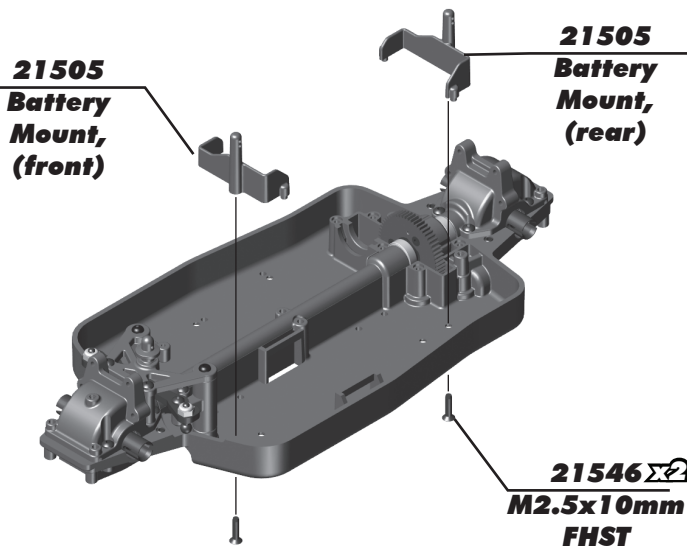
14B



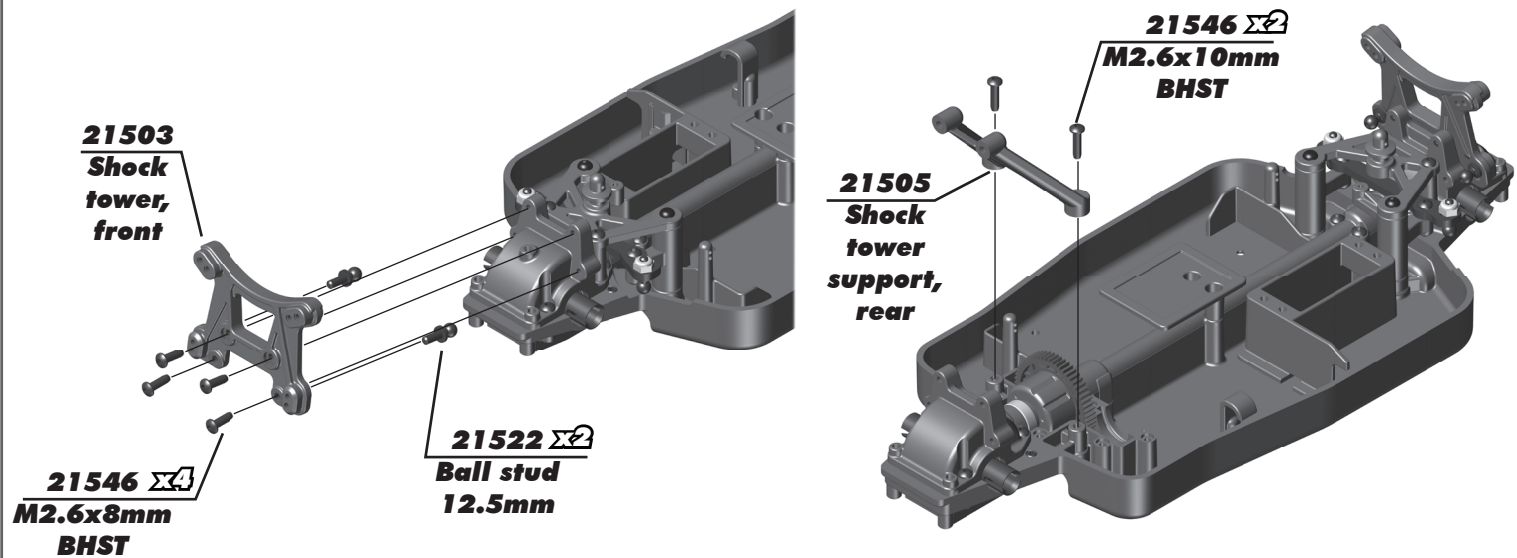
14T



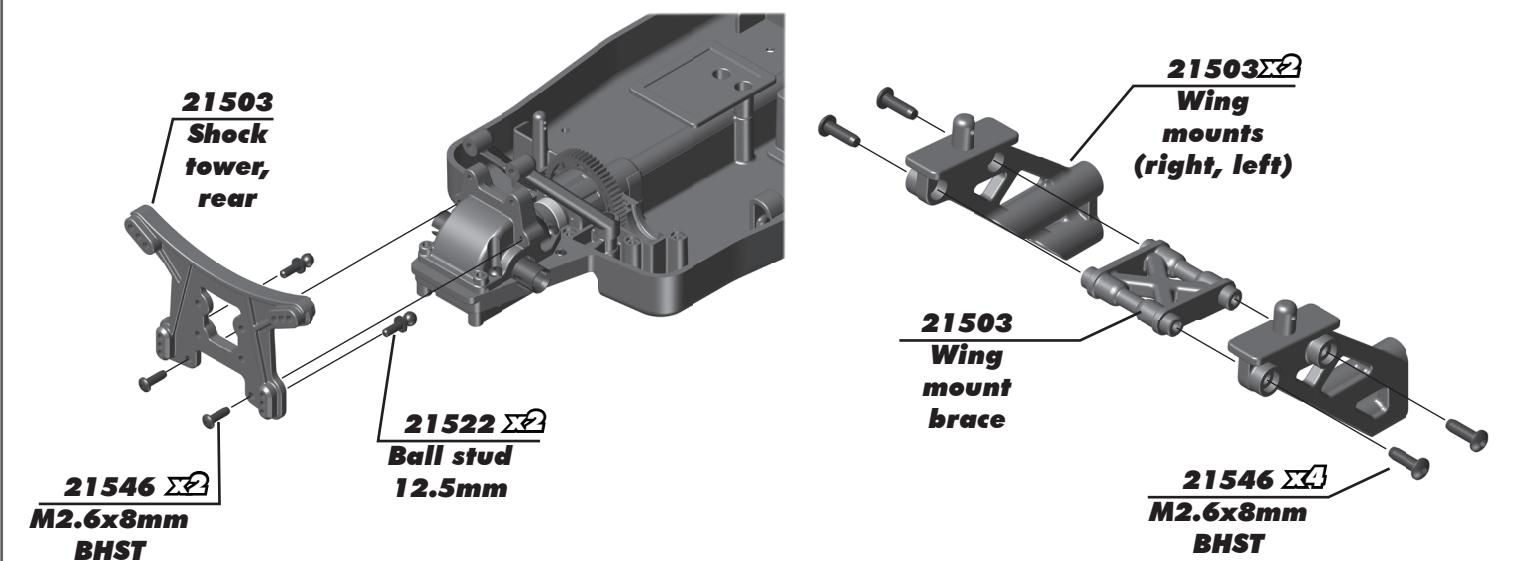
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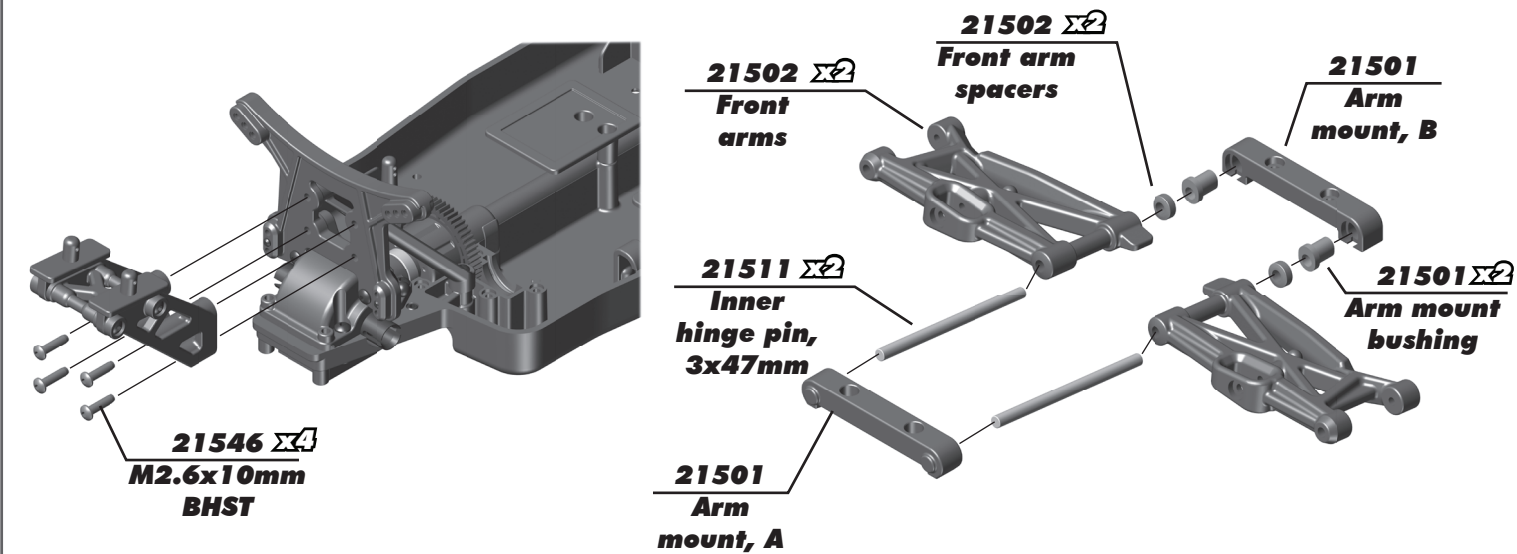
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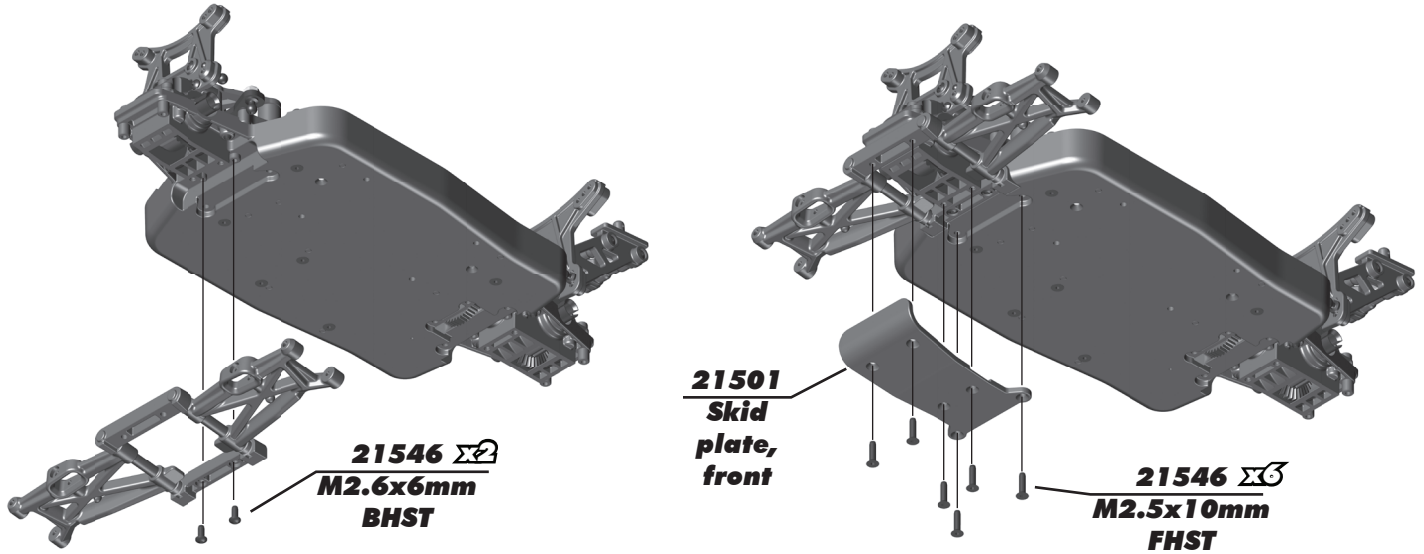
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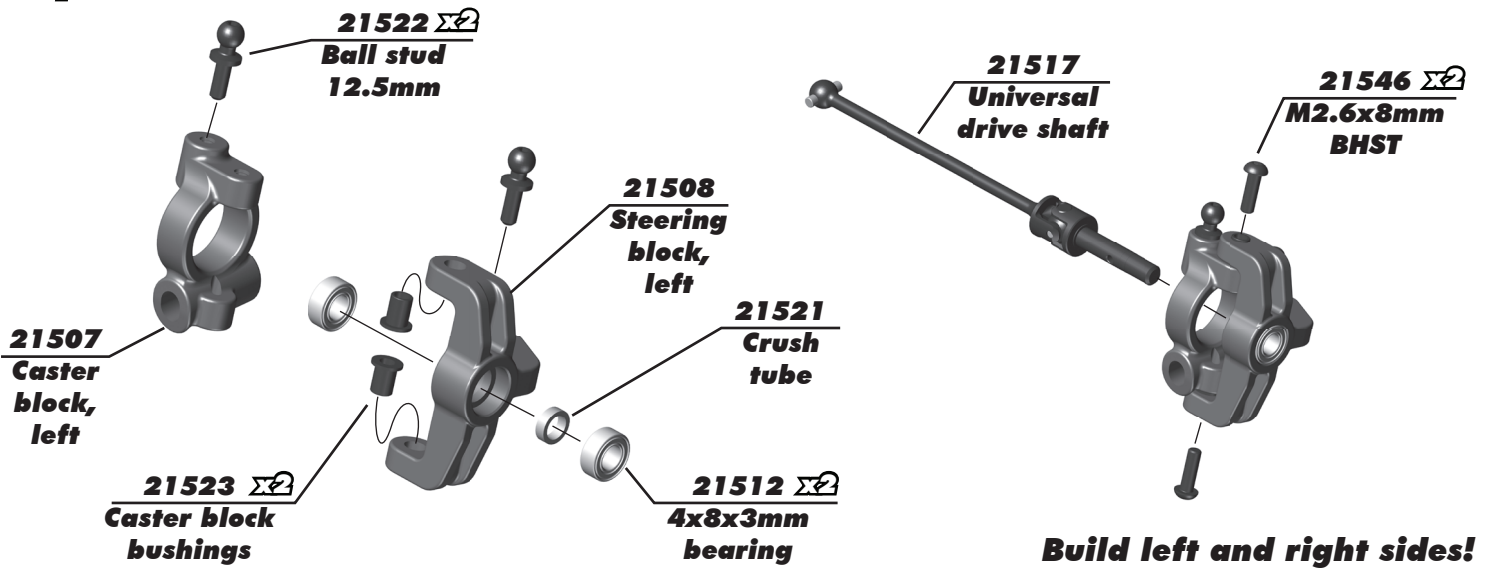
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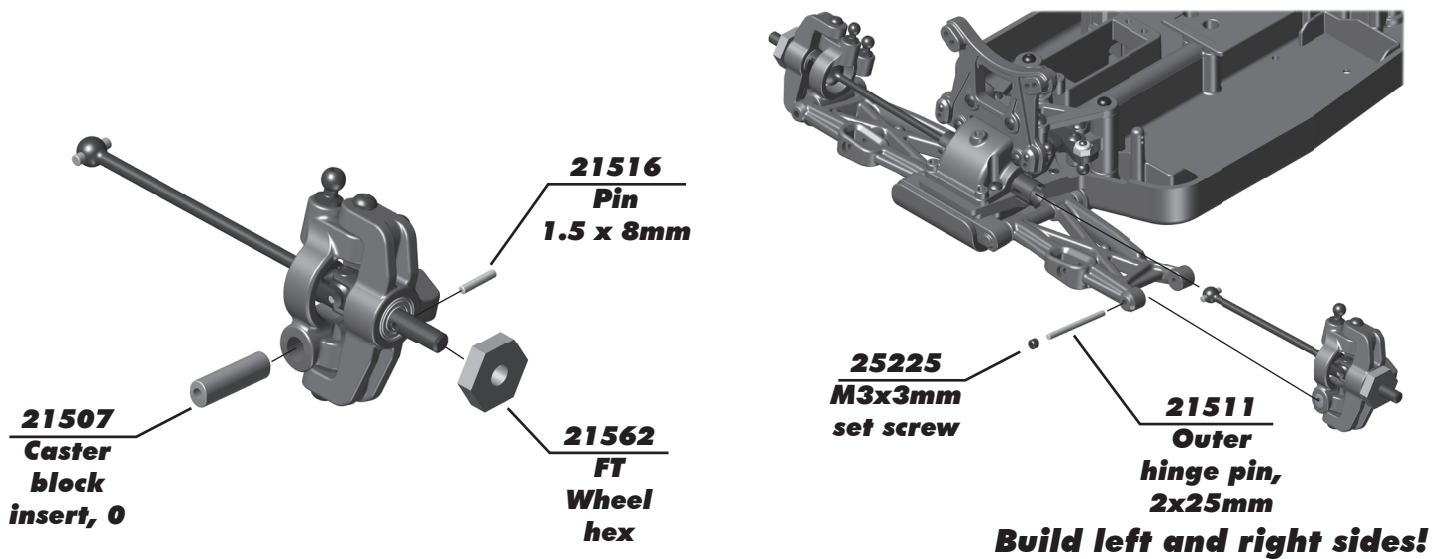
:: Step 16

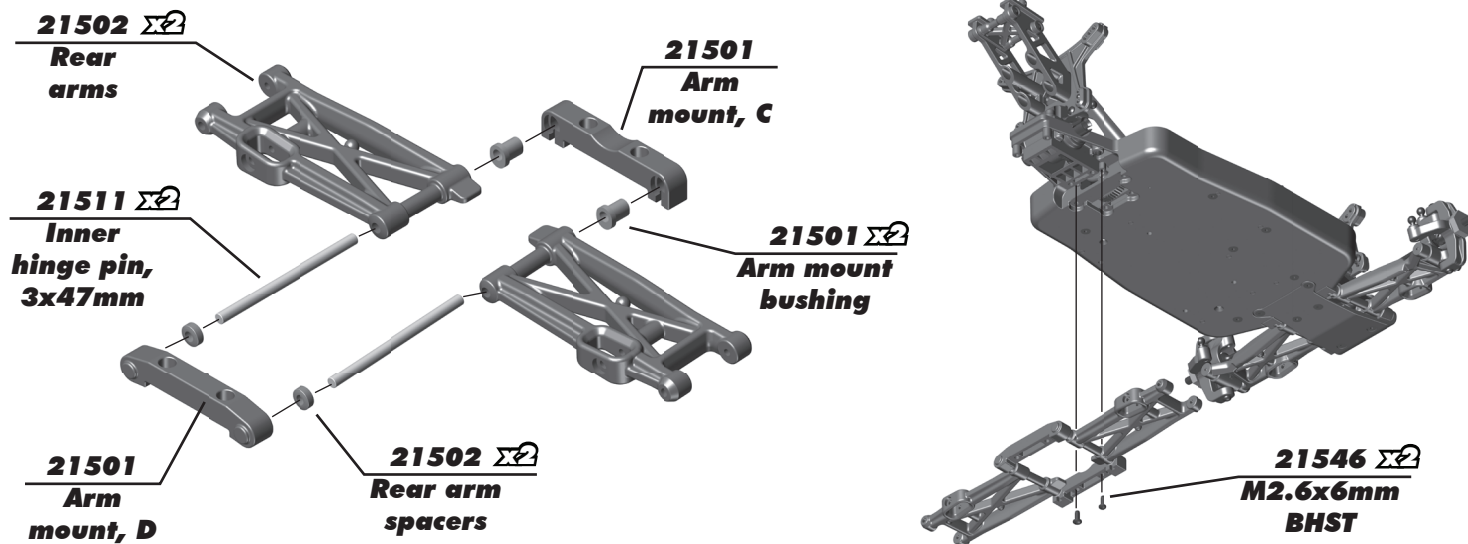
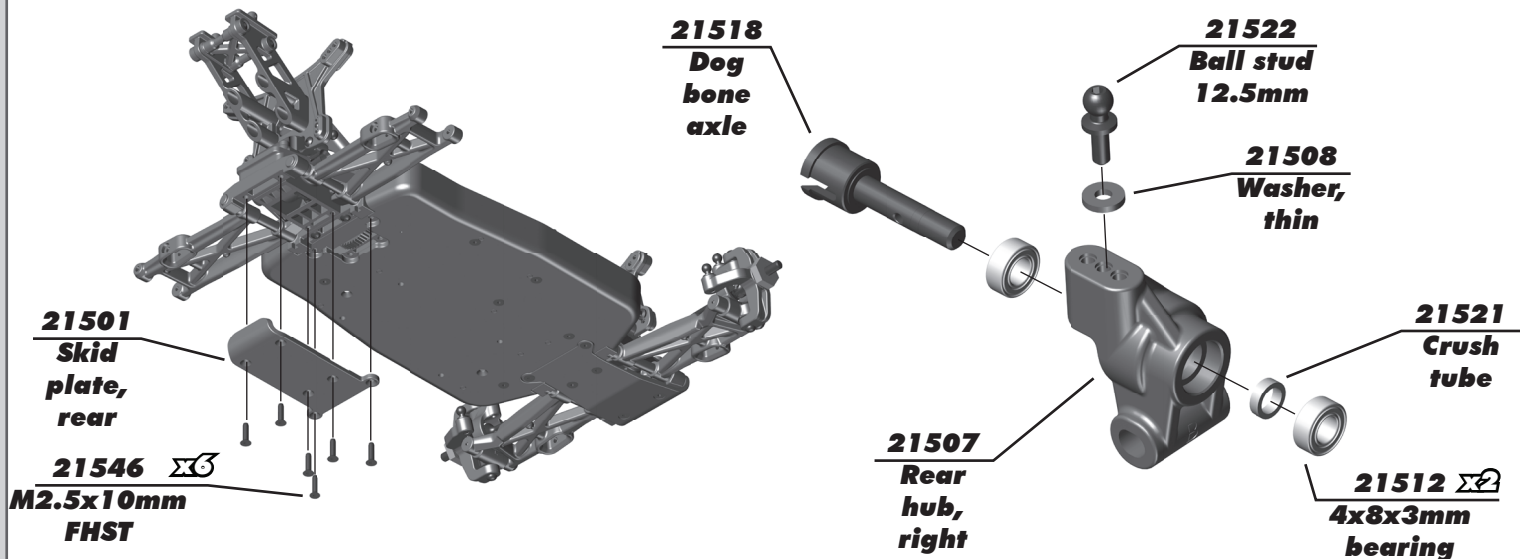
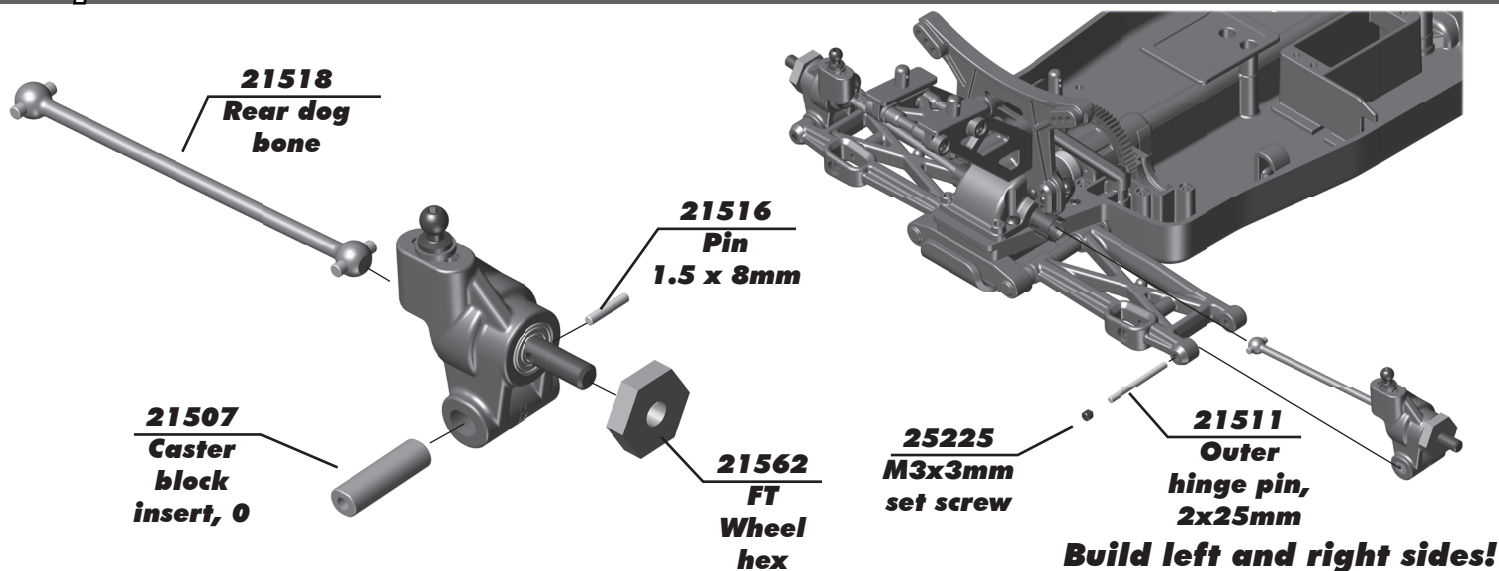


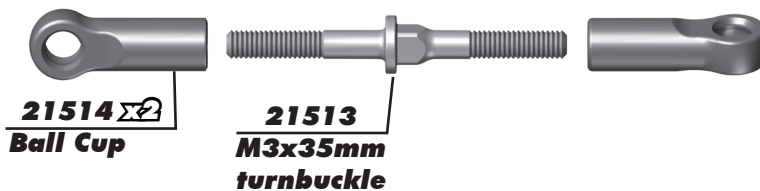
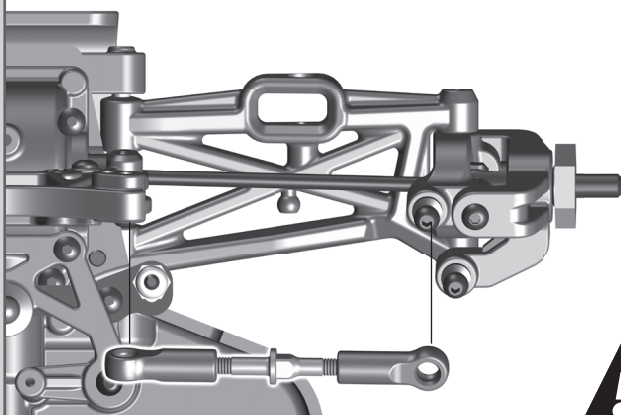
:: Step 17



:: Step 18



:: Step 19**:: Step 20****:: Step 21**

:: Step 22

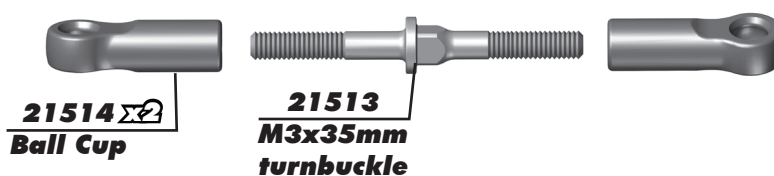
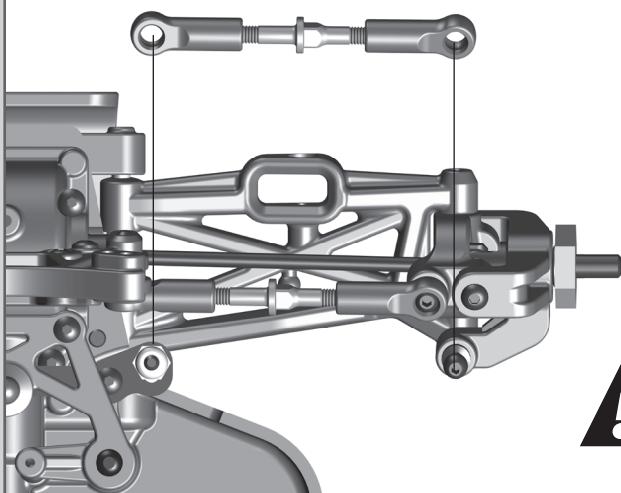
Orient the flange to the left throughout the car. It indicates which end has the left hand threads!



Front Camber Turnbuckle
20.00mm



Build x2 (right and left side)

:: Step 23

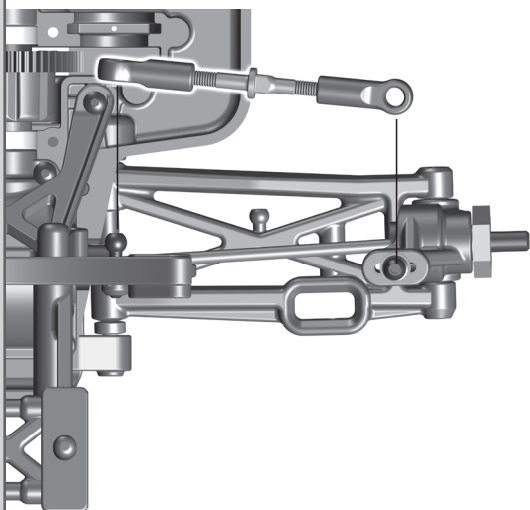
Orient the flange to the left throughout the car. It indicates which end has the left hand threads!



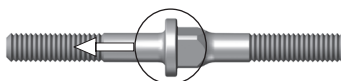
Steering Turnbuckle
19.50mm



Build x2 (right and left side)

:: Step 24

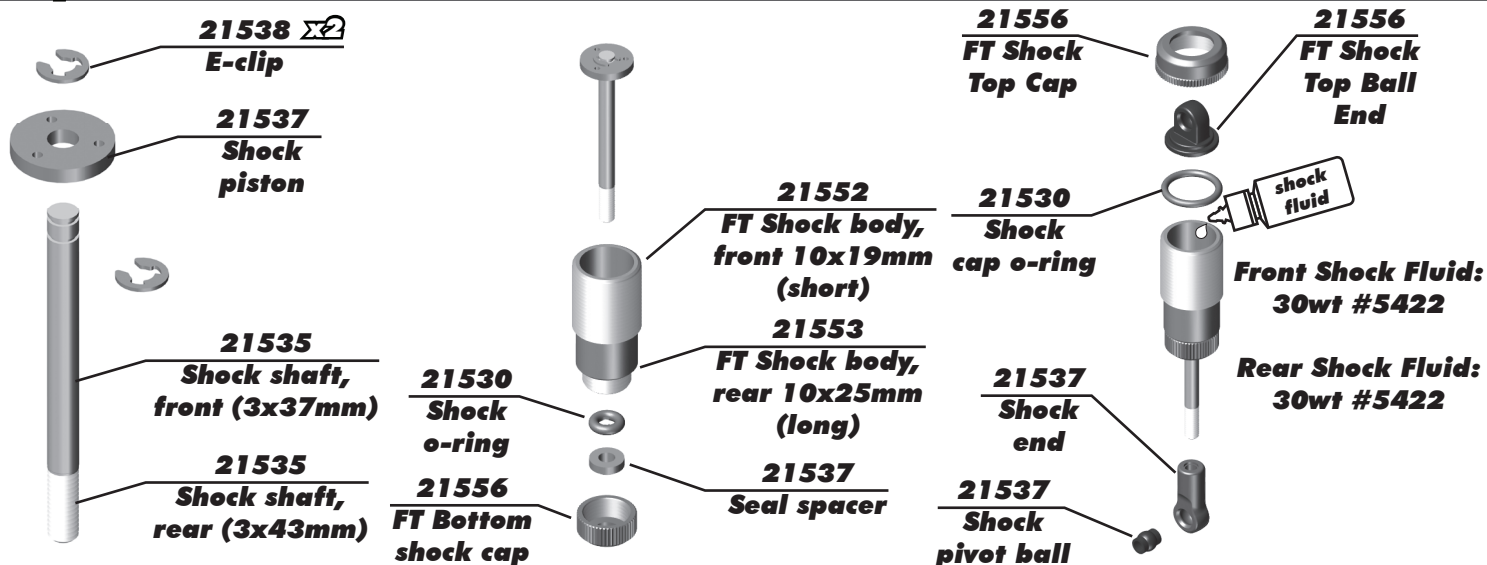
Orient the flange to the left throughout the car. It indicates which end has the left hand threads!



Rear Camber Turnbuckle
23.25mm



Build x2 (right and left side)

:: Step 25**:: Step 26**

!
Leave a gap when installing the shock cap.



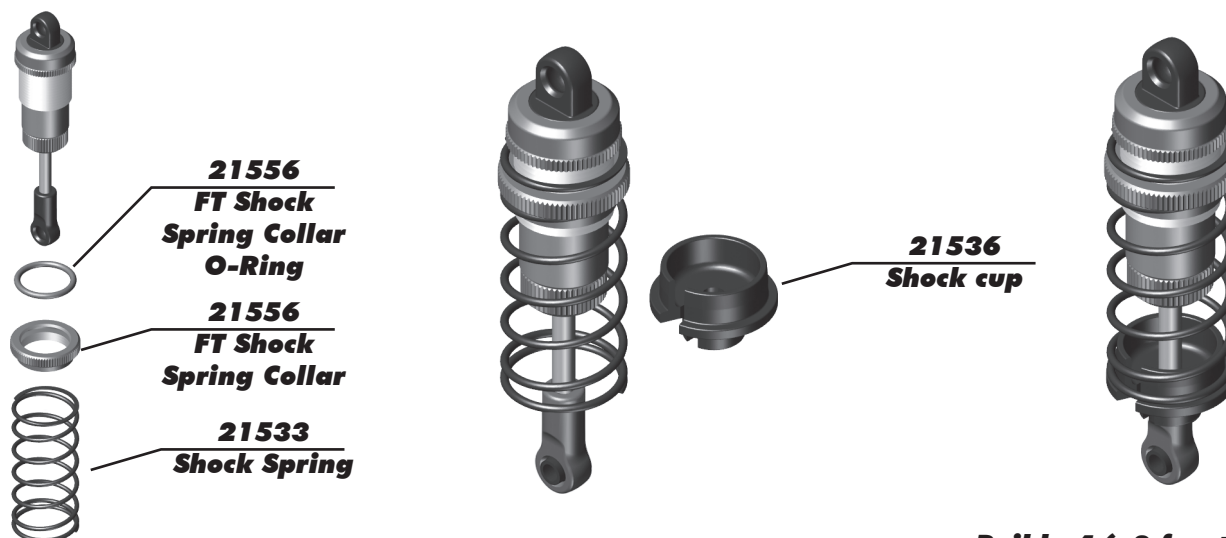
!
Compress shock shaft half way. Let shock fluid bleed from cap, then tighten cap.

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.

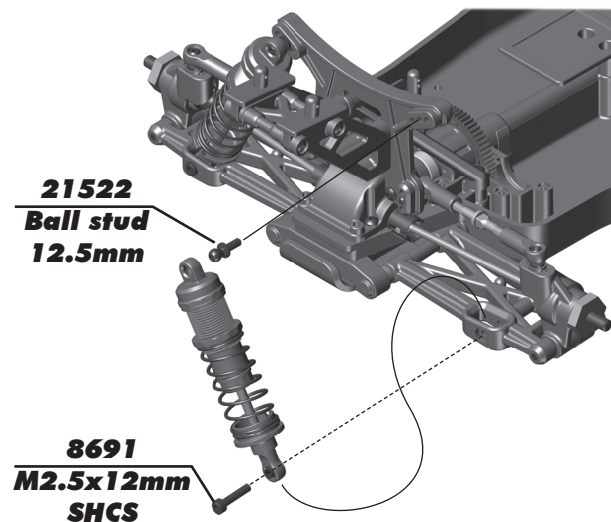
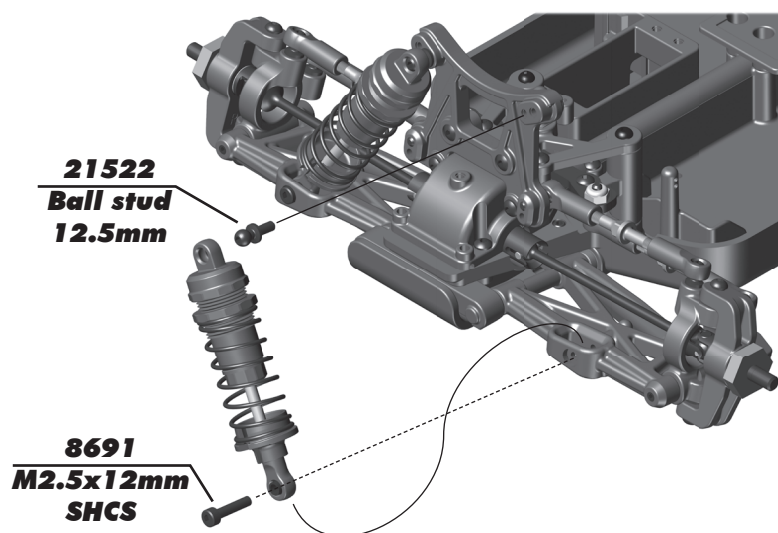


!
Some residual shock fluid may appear from your first few runs around the shock cap as a result of bleeding.

:: Step 27

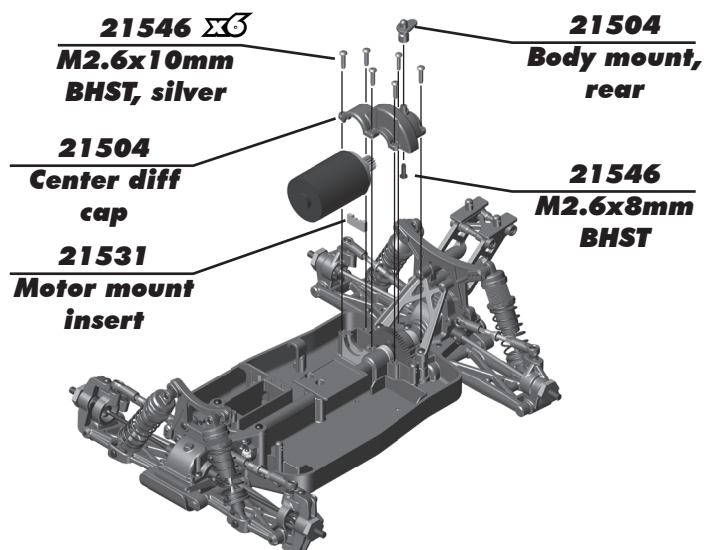
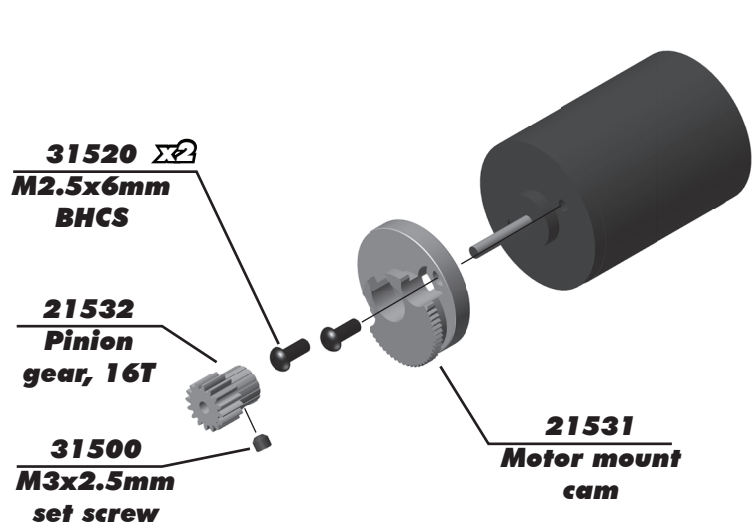
Build x4 (x2 front, x2 rear)

:: Step 28

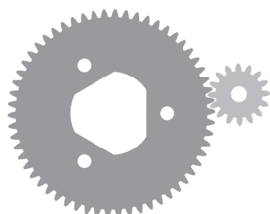


Build x2 (right and left side)

:: Step 29

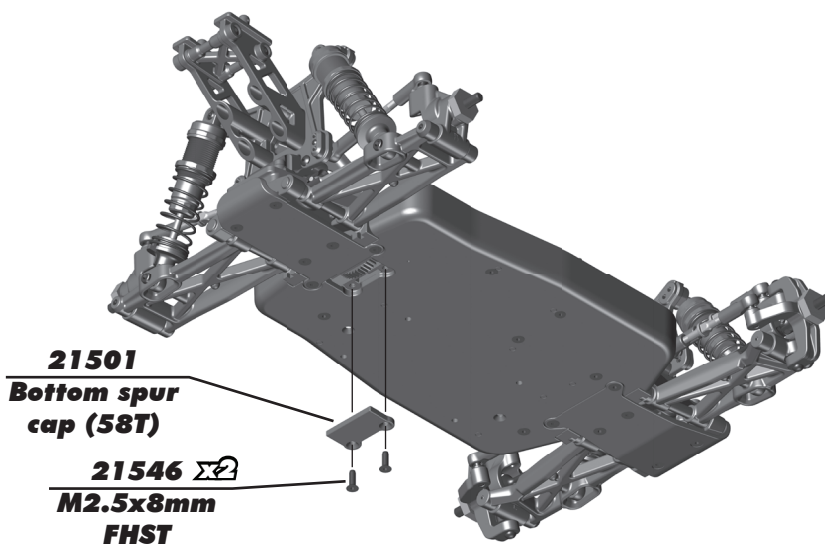
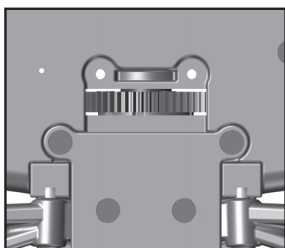


:: Step 30

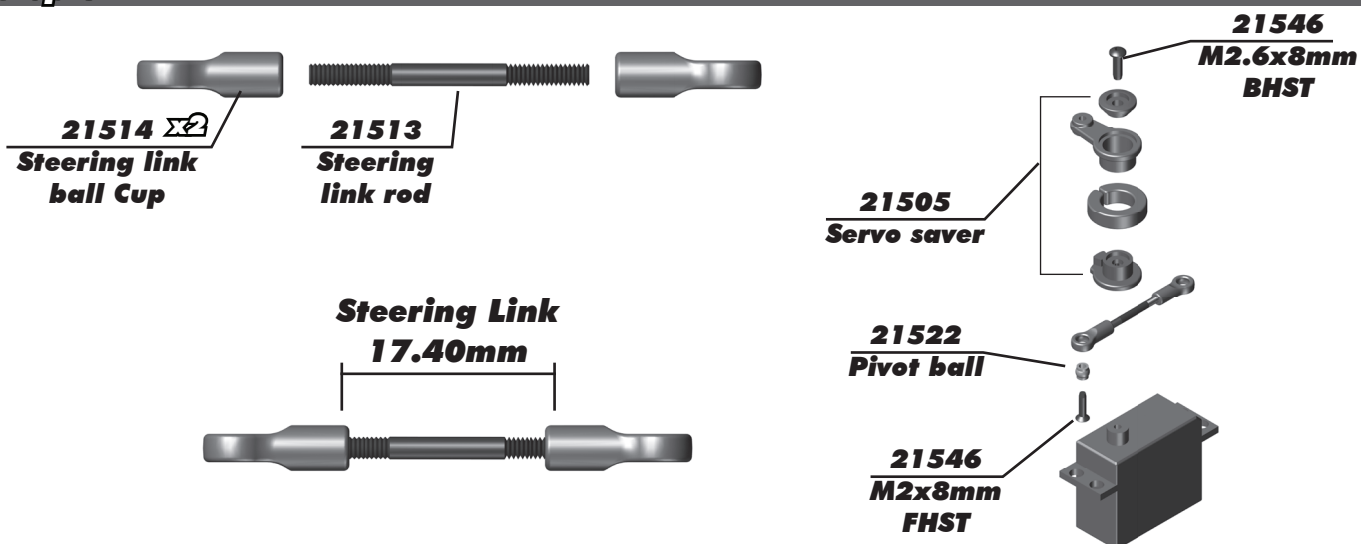


Set The Gear Mesh:

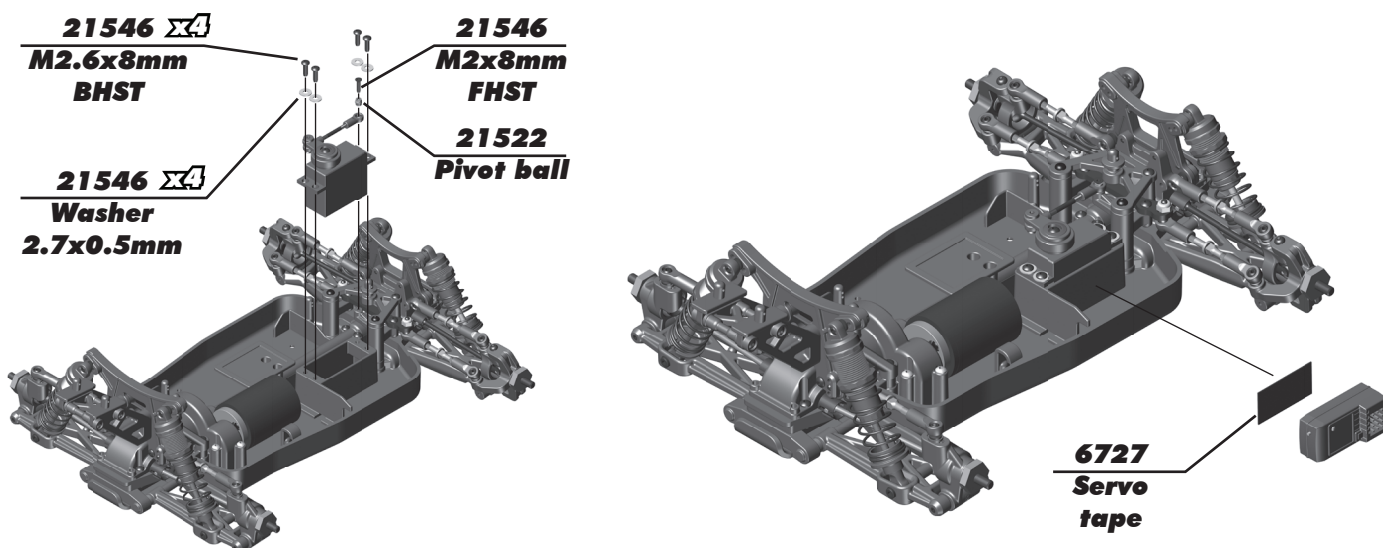
To set the gear mesh, push the teeth of the motor mount cam #21531 into the corresponding tooth pattern of the motor mount insert. Once the teeth are seated, you should be able to rock the spur gear back and forth without making the pinion gear move. Excessive amounts of spur gear movement (loose gear 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.



:: Step 31



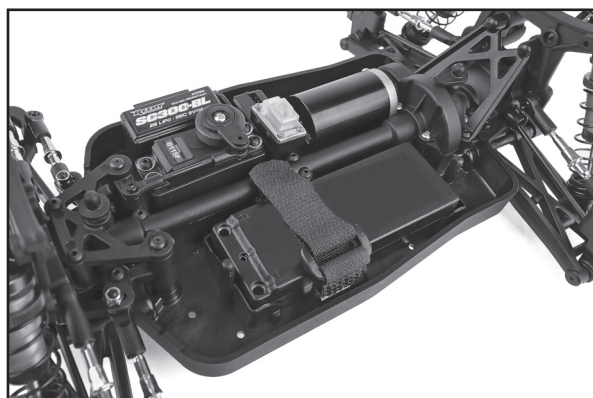
:: Step 32



:: Step 33



Install hook and loop strap and battery as shown below.

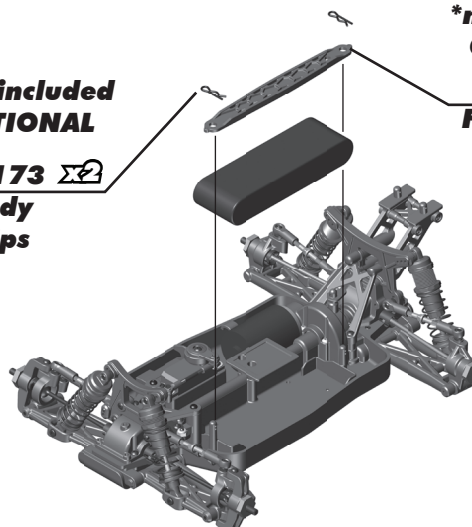


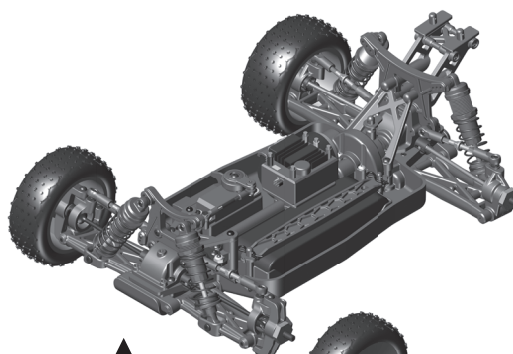
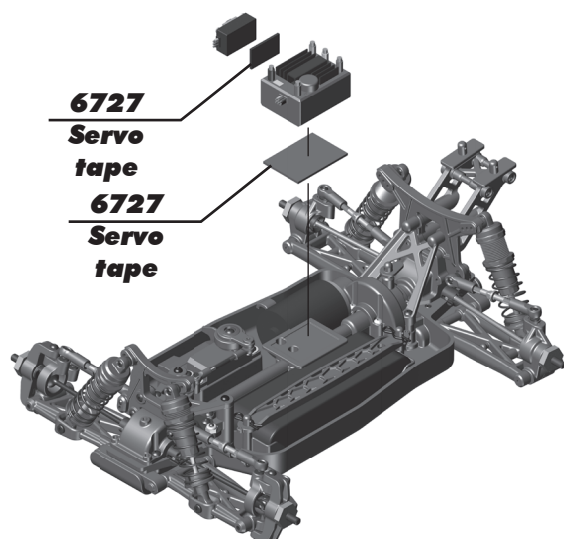
***not included
OPTIONAL**

21173 **Body clips**

***not included
OPTIONAL**

21561 **FT Battery strap, carbon fiber**



:: Step 34

Wheel/Tire
*See Chart

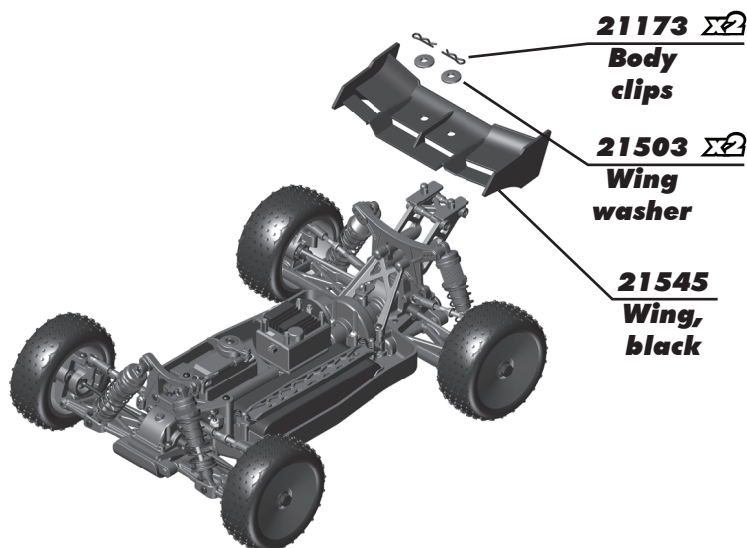
Wheel/Tire
*See Chart

91738 x2
M4 serrated
nuts, black

Install x2 narrow front wheel/tires
Install x2 wide rear wheel/tires

:: Step 35

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

:: Step 36

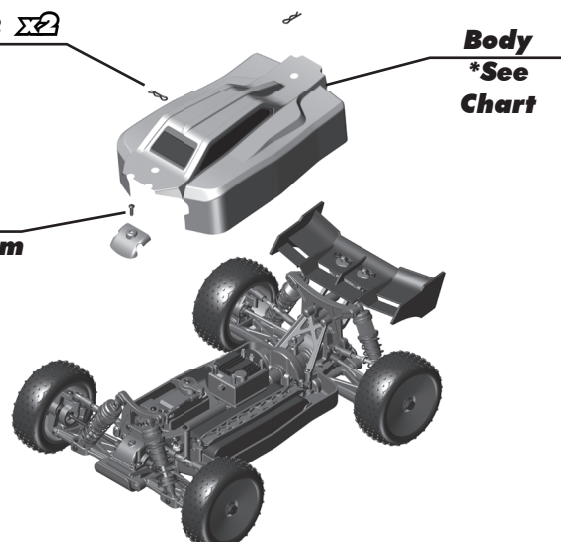
21173 x2
Body
clips

21503 x2
Wing
washer

21545
Wing,
black

21173 x2
Body
clips

21546
M2.6x8mm
BHST



Body
*See
Chart

:: Notes

:: Notes

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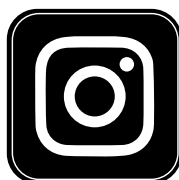
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