

**1:10 Scale 4WD Electric Off Road  
Competition Buggy Kit**



# TEAM ASSOCIATED



**1:10 Scale 4WD Electric Off Road Competition Buggy Kit Manual**

**#90050 RC10B84 Off Road Buggy Team Kit**



**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.

Check [www.rc10.com](http://www.rc10.com) for the latest versions of our instruction manuals.

## :: RC10B84 Features

- Molded Height-Adjustable Gearboxes Front and Rear with Additional +2 Rear Gearbox for High-Grip Conditions
- Long-Arm Suspension Geometry: improves grip and predictability in all conditions
- Optimized Steering Bellcranks and Rack: improved bumpsteer control at all ride heights
- Chassis Bracing: Fine tune chassis flex characteristics with upper and lower chassis bracing front and rear
- Standard and HRC (High Roll Center) Rear Hubs Included
- Insert adjustable caster block with 0, +/-1, and +/-2 degree inserts included
- Forward and Back Motor Positions: used for further weight bias adjustment
- Highly Adjustable Battery Holder with Thumb Tabs: allows for easy battery removal and fine tuning of weight bias
- 2.5mm Thick Tapered 7075-T6 Aluminum Chassis with 10 Degrees of Kickup and Improved Departure Angle
- (90050 Only): Decoupled Slipper Clutch Included
- (90051 Only): Molded Ring and Pinion Gears Included
- Aluminum Center-Mounted Servo Mount
- Two heights Included for Rear Wing Mount
- 7-inch Rear Wing
- Low-Profile Body
- Shock Tower Covers Front and Rear
- 3.5mm Turnbuckles and Ballcaps
- 13mm Big-Bore Shocks

## :: Additional

Your new RC10B84 Kit comes unassembled and requires the following items for completion (refer to [AssociatedElectrics.com](http://AssociatedElectrics.com) for suggestions):

- |  |   |
|--|---|
| • R/C two channel surface frequency radio system           | • Battery charger<br>(a peak detection charger, or LiPo compatible charger) |
| • AA-size batteries for transmitter                        | • 2 cell LiPo battery pack  |
| • Electronic Speed Control ("ESC")                         | • Polycarbonate specific spray paint  |
| • Steering servo   | • Cyanoacrylate glue ("CA") (#1697)   |
| • R/C electric motor                                       | • Thread locking compound (#1596)   |
| • Pinion gear, size determined by type/turn or kV of motor | • Tires and Inserts, Fronts and Rears                                       |

## :: Other Helpful Items

- |  |                                  |                                 |                             |                |
|--|----------------------------------|---------------------------------|-----------------------------|----------------|
| • Silicone Shock Fluid (Refer to <a href="http://AssociatedElectrics.com">AssociatedElectrics.com</a> for complete listings) | • FT Body Scissors (#1737)       | • FT Body Reamer (#1499)        | • Shock Pliers (#1681)      | • Wire Cutters |
| • FT Hex/Nut Wrenches (#1519)  | • Needle Nose Pliers             | • Calipers or a Precision Ruler | • FT Ballcup Wrench (#1579) | • Hobby Knife  |
| • FT Universal Tire Balancer (#1498)   | • Green Slime shock lube (#1105) |                                 | • Soldering Iron            |                |
| • FT Dual Turnbuckle Wrench (#1114)  |                                  |                                 |                             |                |



















Associated Electrics, Inc.  
21062 Bake Parkway.  
Lake Forest, CA 92630









Customer Service  
Tel: 949.544.7500  
Fax: 949.544.7501

## :: Hardware - 1:1 Scale View

### Button Head (bhcs)

	2x4mm (31510)
	2.5x5mm (31519)
	2.5x6mm (31520)
	2.5x8mm (31521)
	2.5x10mm (31522)
	3x4mm (91158)
	3x5mm (31530)
	3x6mm (31531)
	3x8mm (31532)
	3x10mm (25211)
	3x12mm (89202)
	3x14mm (25187)
	3x16mm (89203)
	3x18mm (2308)
	3x20mm (25188)
	3x22mm (25189)
	3x24mm (89204)
	3x30mm (91478)











### Set Screws

	3x2.5mm (31500)
	3x3mm (25225)
	3x6mm (81257)
	3x10mm (4671)
	3x20mm (91737)
	4x5mm (25226)


### Cap Head (shcs)

	1.6 x 5mm (91611)
--	-------------------

### Flat Head (fhcs)

	2x3mm (91743)
	2.5x8mm (31472)
	3x5mm (31540)
	3x6mm (31541)
	3x8mm (25201)
	3x10mm (25202)
	3x12mm (25203)
	3x14mm (89208)
	3x16mm (25204)
	3x18mm (89209)








### LP Socket Head (lp shcs)

	3x6mm (41089)
	3x8mm (41096)
	3x10mm (41090)
	3x22mm (41095)
	3x24mm (41097)







### Nuts (lock/plain)

	M3 Nut (91477)
	M3 Alum. Locknut, Blue (31550)
	M3 Locknut, Black (25215)
	M3 Locknut w/Flange (25612)
	FT 3mm Locknuts, Blue (25392)
	M4 Locknuts:
	Serrated Steel LP (91150)
	Serrated Steel (Silver) (91826)
	FT Aluminum (Blue) (31551)
	Serrated Aluminum (Black) (91738)





### Ball Bearings

	4x7x2.5mm (31732)
	5x8x2.5mm (31400)
	5x10x4mm (91560)
	5x10x4mm flanged (92324)
	5x12x4 (91567)
	10x15x4 (91563)
	12x18x4 (92544)

### Ballstuds

	HD, short neck 4mm (32041)
	Ti HD, short neck 4mm (32095)
	HD, short neck 6mm (32042)
	Ti HD, short neck 6mm (32096)
	HD, short neck 8mm (32040)
	Ti HD, short neck 8mm (32097)
	HD 6mm (91047)
	Ti HD 6mm (91751)
	HD 8mm (91048)
	Ti HD 8mm (91752)
	HD 10mm (91049)
	Ti HD 10mm (91753)

### Shims and Washers

	5.5x0.5mm (31381)
	5.5x1.0mm (31382)
	5.5x2.0mm (31383)
	3x8mm Washer (89218)

### Notes:

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## Notes



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

**x2**

This symbol indicates the number of the same part that is required.

**2**

This symbol indicates the order within a step to assemble parts.



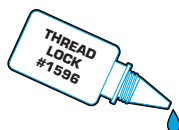
This symbol indicates there are optional FT parts available



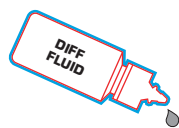
This symbol indicates a Racers Tip.



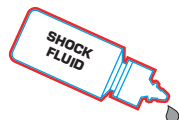
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.



This symbol indicates where Thread Lock Adhesive should be applied. \*not included



This symbol indicates where Diff Fluid should be applied.



This symbol indicates where Shock Fluid should be applied.



This symbol indicates where FT Silicone Grease should be applied. \*not included



This symbol indicates where FT Diff Lube should be applied. \*not included

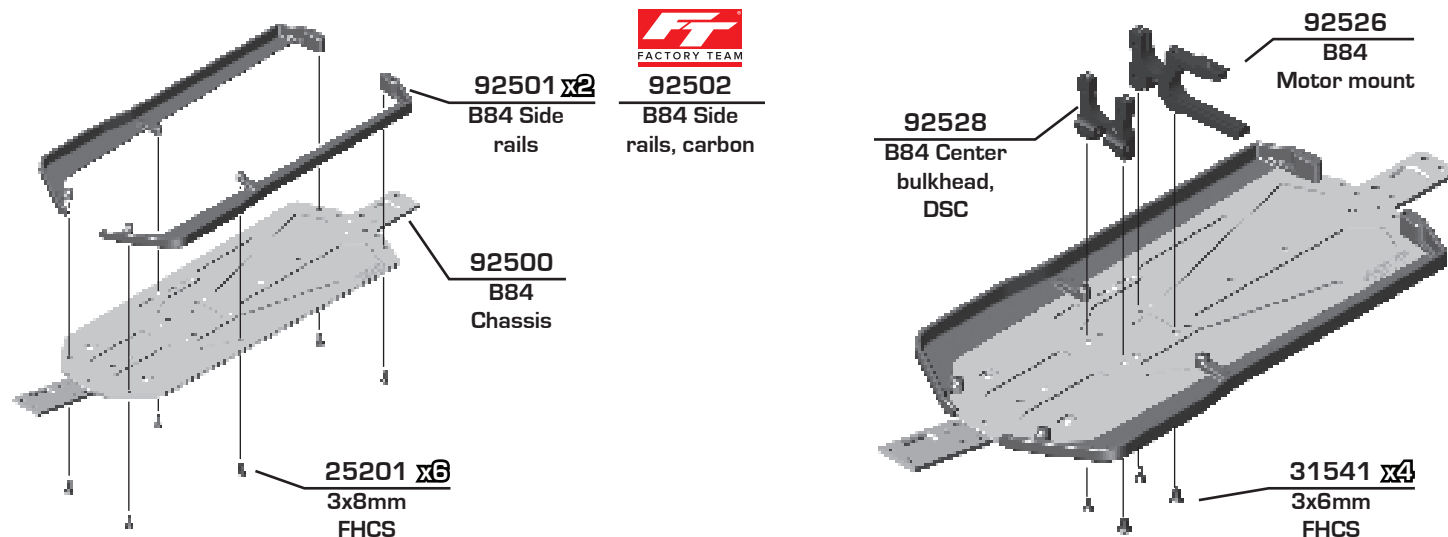


This symbol indicates where Black Grease should be applied.



This symbol indicates where Green Slime can be applied. \*not included

## :: Bag 1 - Step 1



## :: Bag 1 - Step 2

Kit build for carpet kit



**92504**  
B84 FT Carbon Chassis brace, front (motor forward)

**92503**  
B84 Chassis brace, front (motor forward)

**92503**  
Pivot, plastic

**89204**  
3x24mm BHCS



Note arrow indicates motor forward or back



## :: Bag 1 - Step 3

Kit build for carpet kit



**92504**  
B84 FT Carbon Chassis brace, rear (motor forward)

**92503**  
B84 Chassis brace, rear (motor forward)

**92503**  
Pivot, plastic

**89204**  
3x24mm BHCS

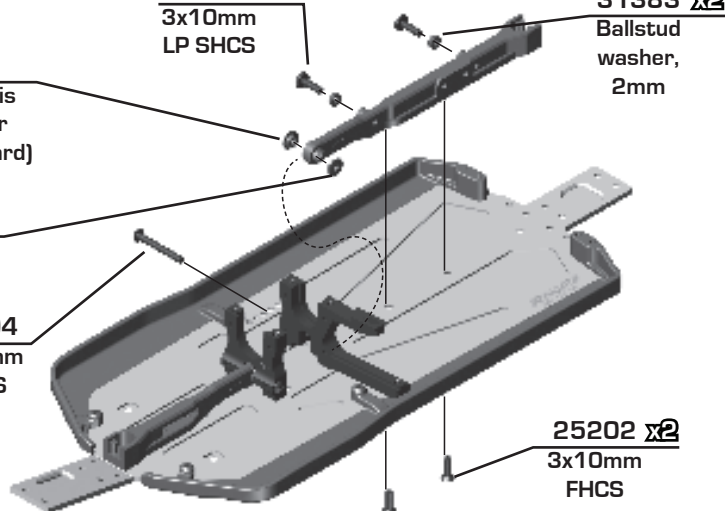
**41090 x2**  
3x10mm LP SHCS

**31383 x2**  
Ballstud washer, 2mm

**25202 x2**  
3x10mm FHCS

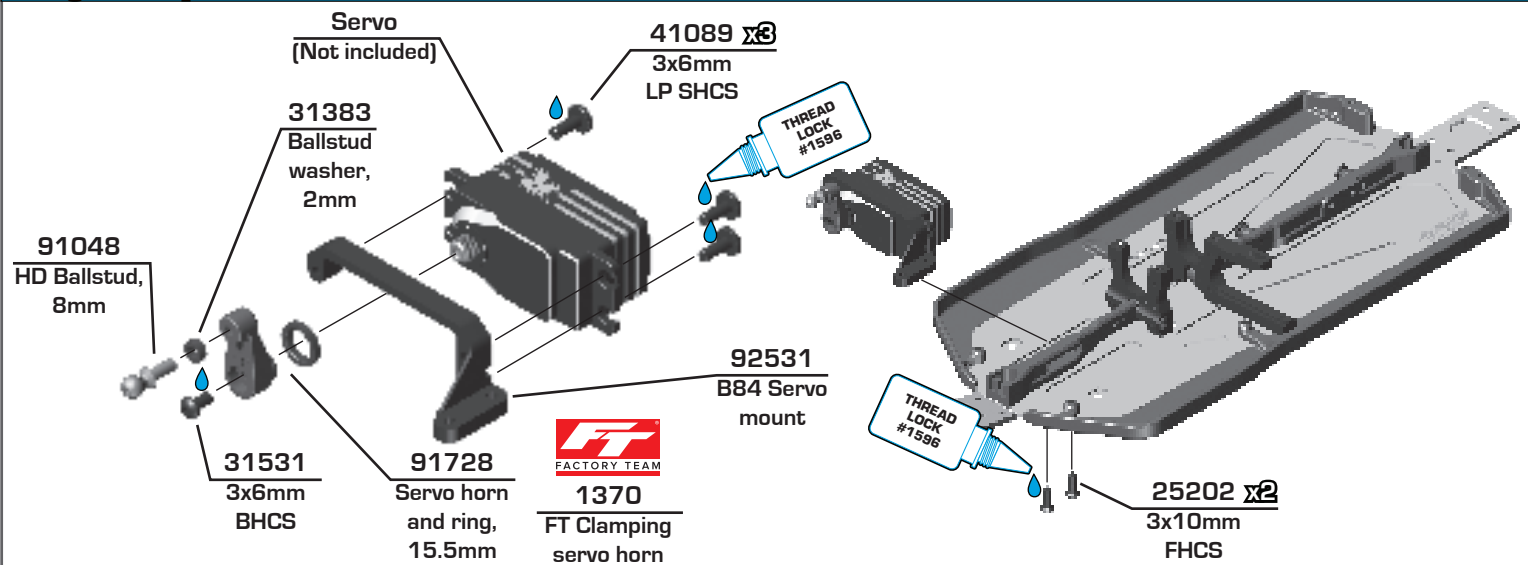


Note arrow indicates motor forward or back

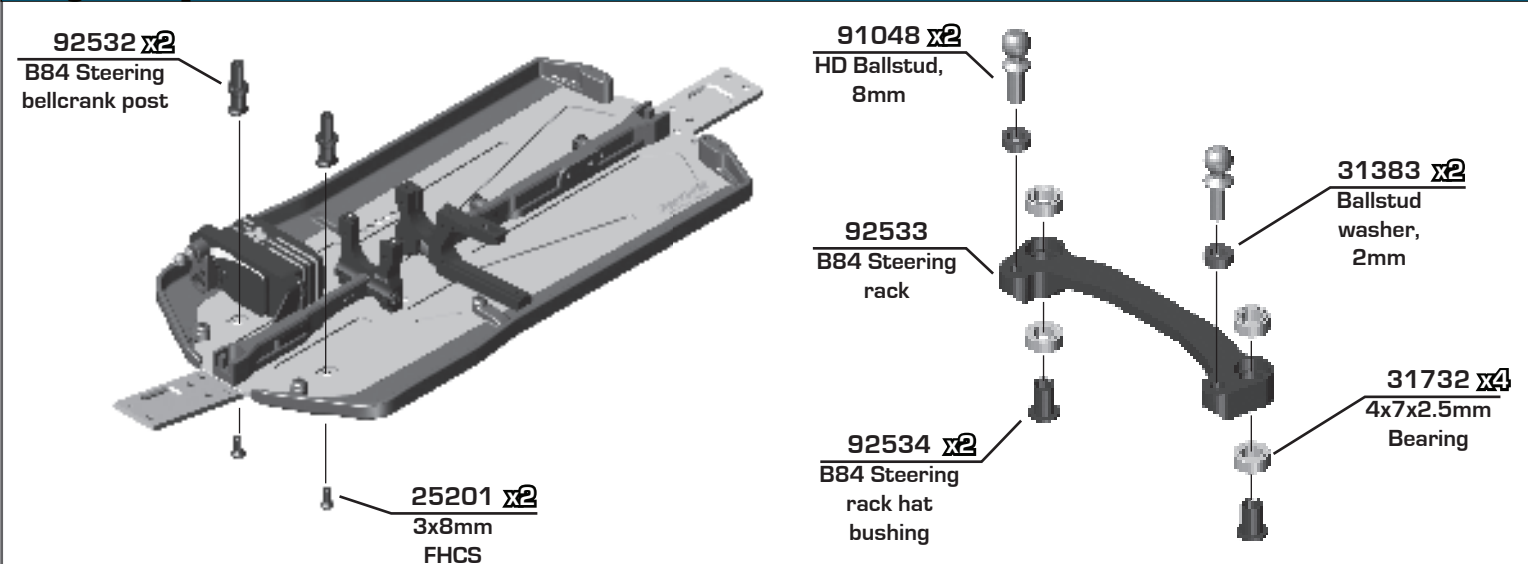




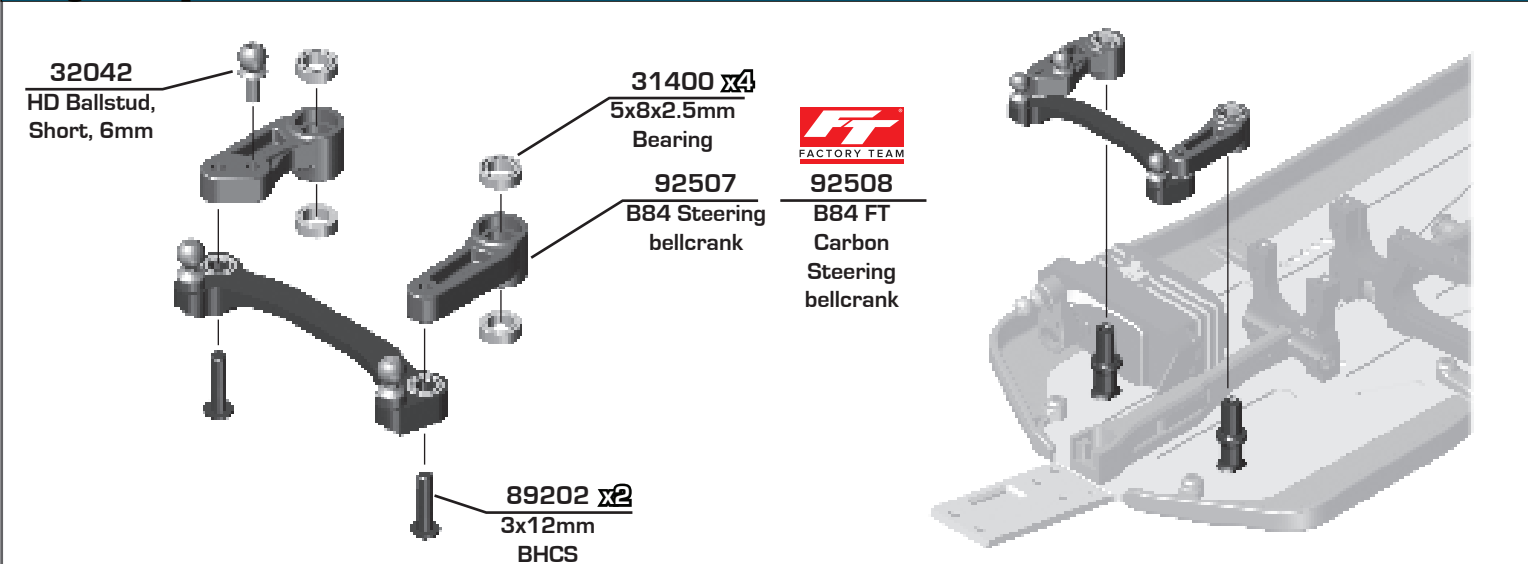
## :: Bag 1 - Step 4



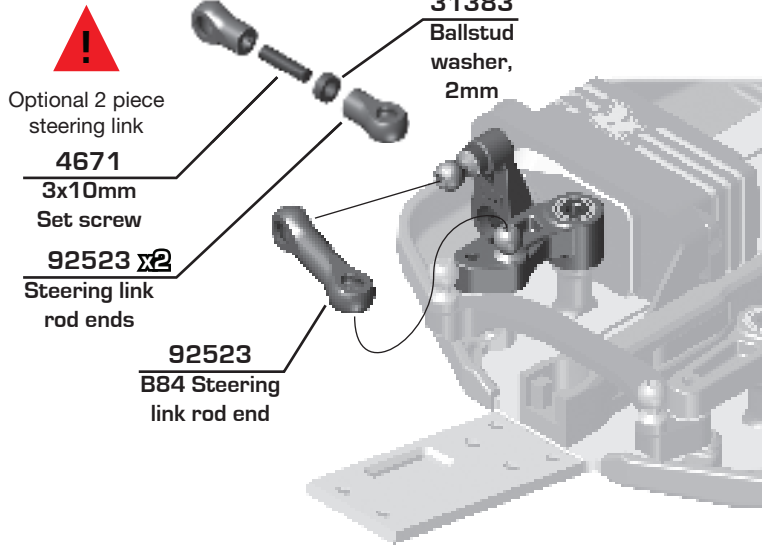
## :: Bag 1 - Step 5



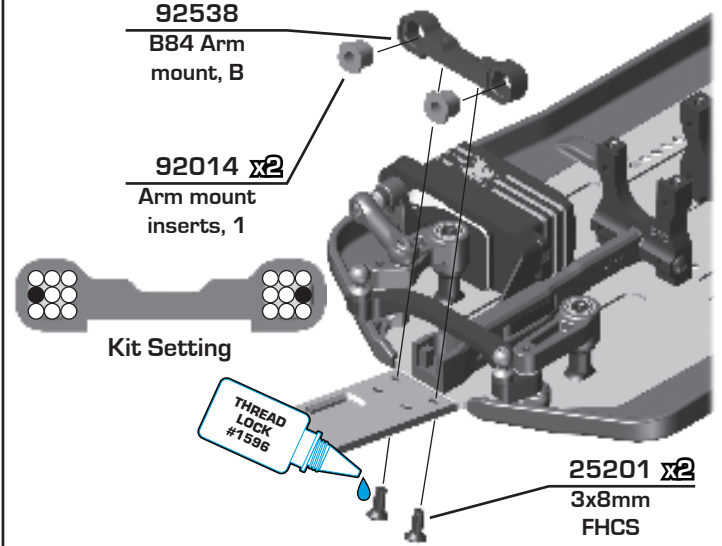
## :: Bag 1 - Step 6



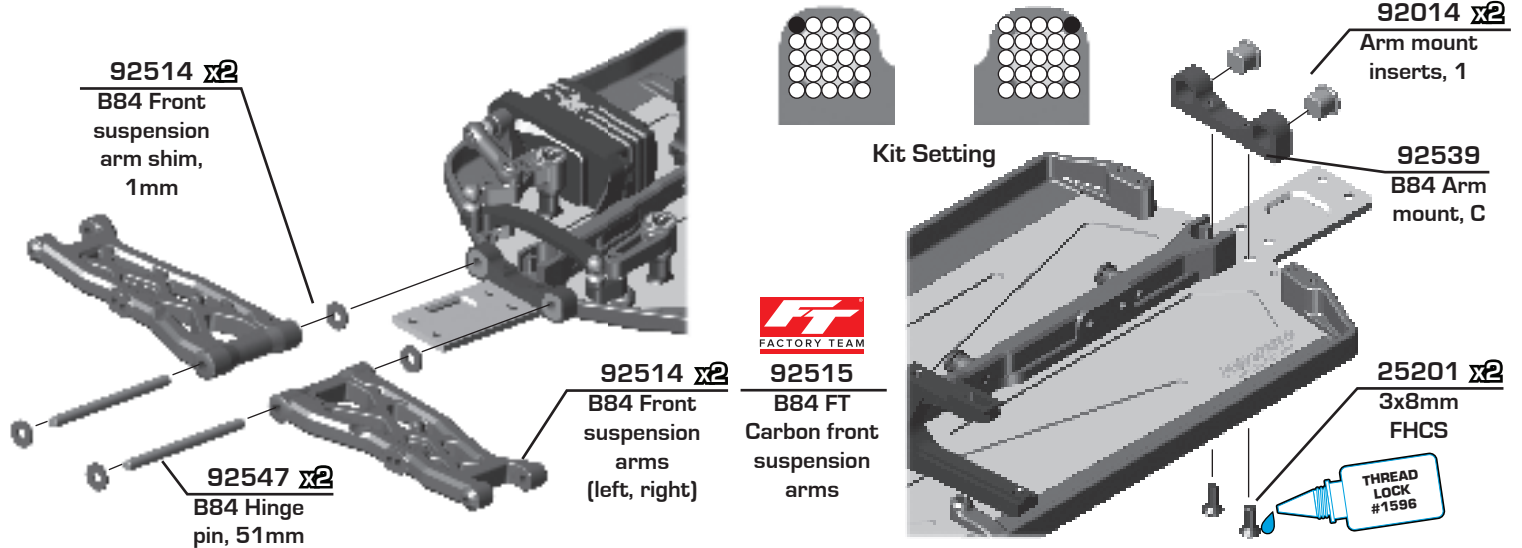
### :: Bag 1 - Step 7



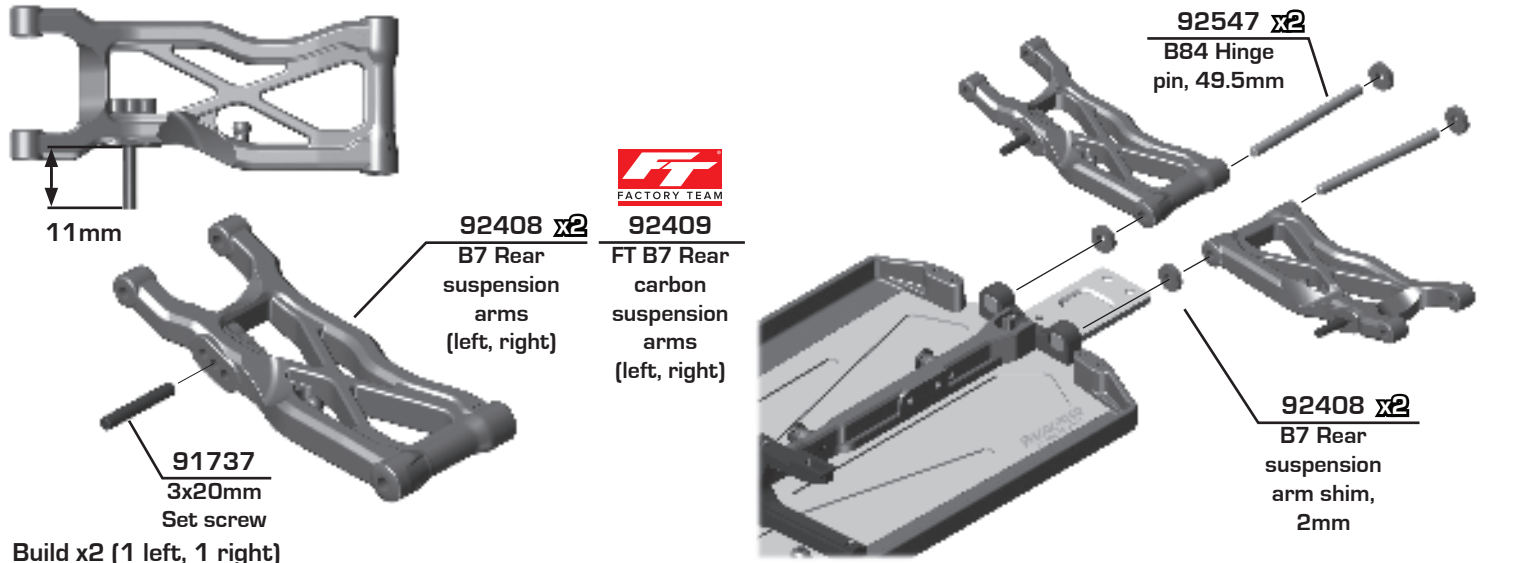
### :: Bag 2 - Step 1



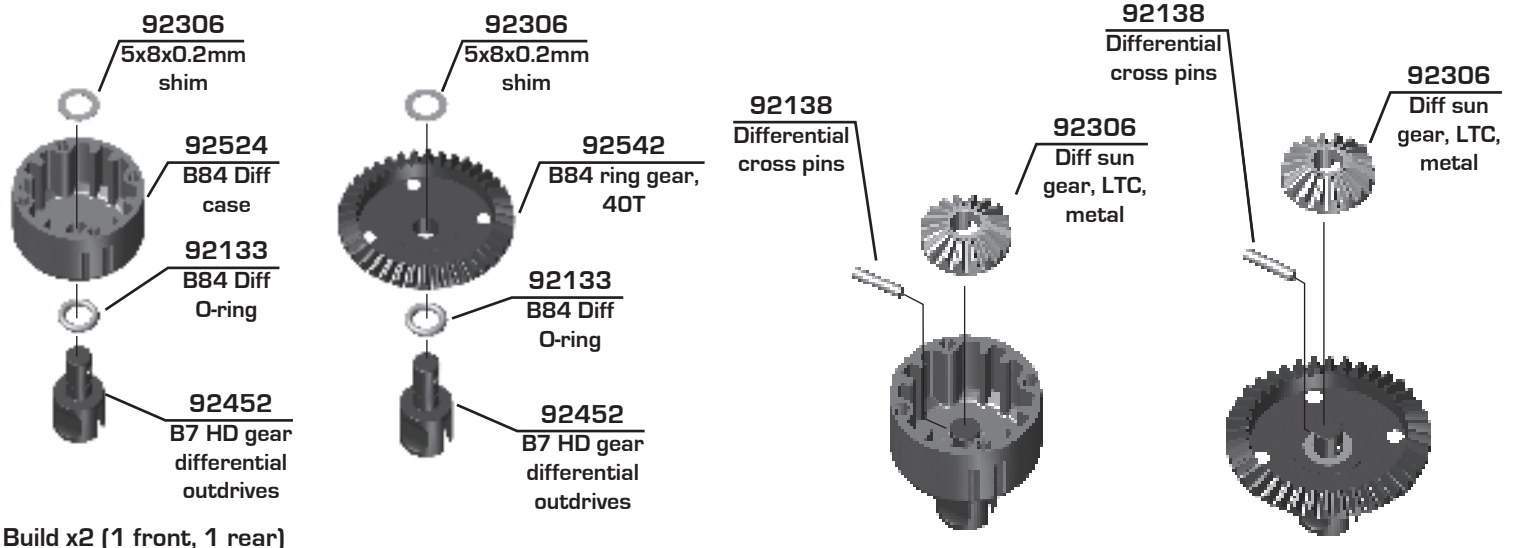
### :: Bag 2 - Step 2



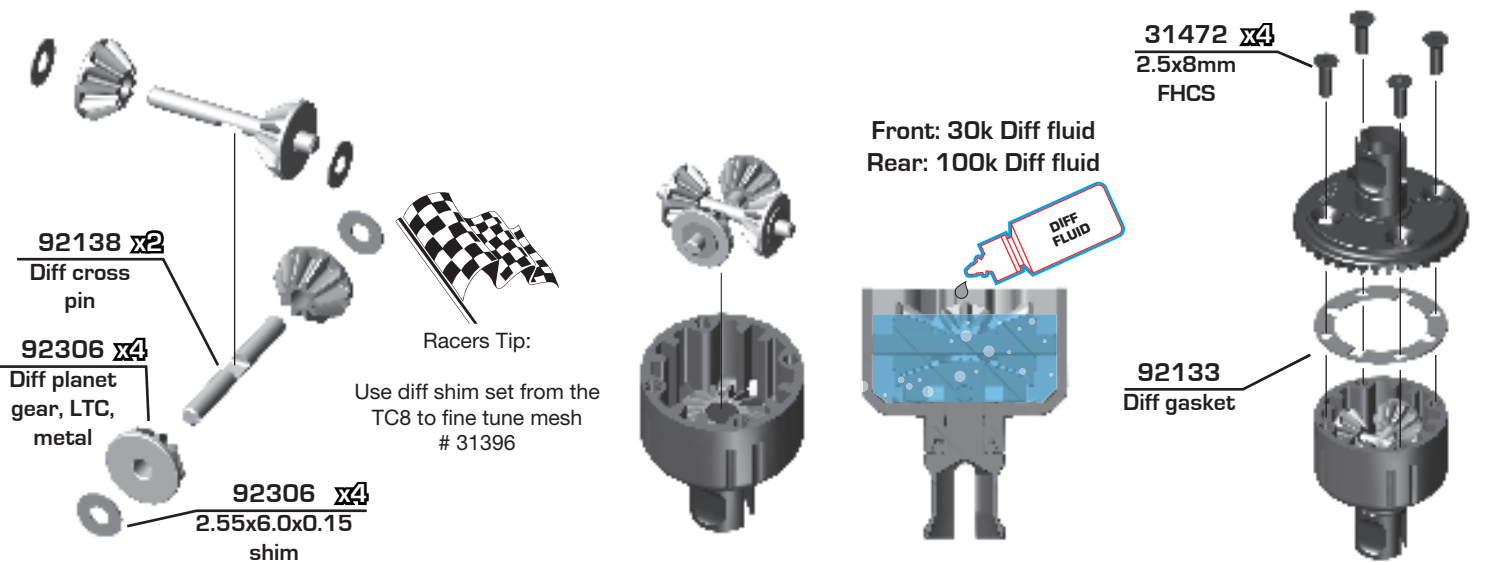
### :: Bag 2 - Step 3



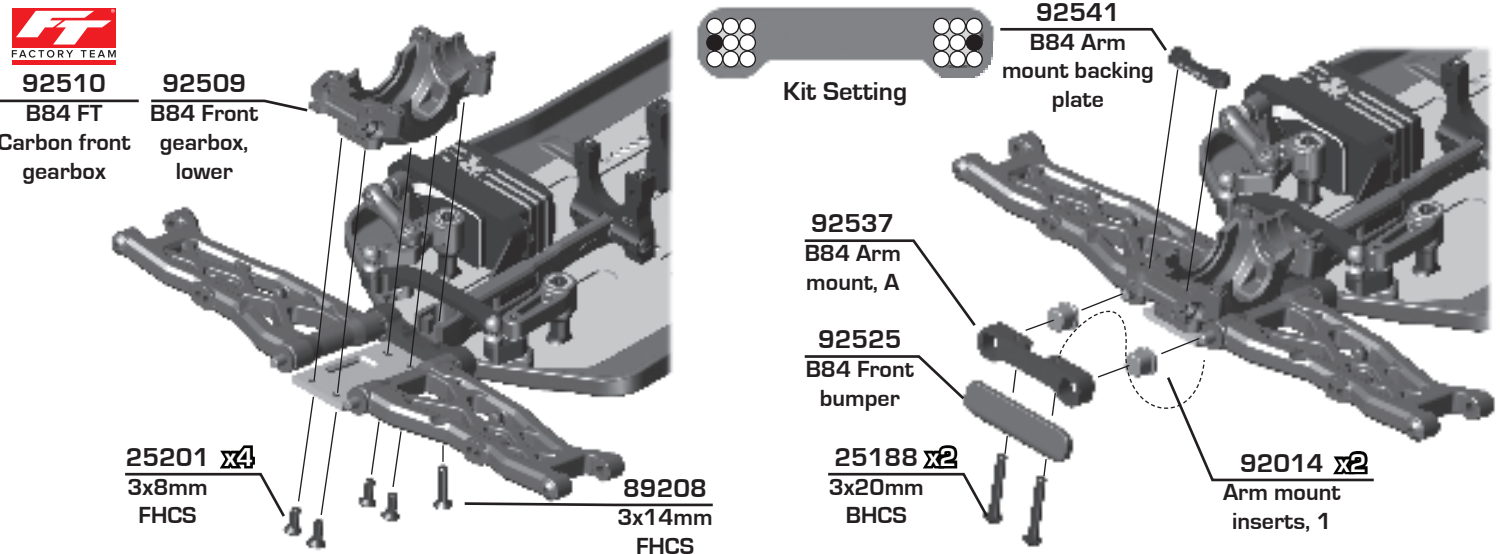
### Bag 3 - Step 1



### Bag 3 - Step 2



### Bag 4 - Step 1





## :: Bag 4 - Step 2



**92264**  
FT CVA  
cup, center,  
aluminum

**92215**  
Center CVA  
input coupler

**91438**  
CVA barrel

BLACK GREASE  
#6588

**92550**  
Center CVA  
bones, 38.5mm

**91438**  
CVA pin

**92513**  
B84 Diff pinion  
height insert,  
0

**92324 x2**  
5x10x4mm  
flanged bearing

**92142**  
Differential  
pinion gear,  
16T

**92319**  
Differential Pinion  
Gear Shims,  
5 x 6.5 x 1mm

Number shown on the  
side of the insert after  
insertion should match  
the diff height desired.  
Kit setup: "0"

Note:  
0 diff height recommended  
for Low Profile front tires.  
+2 diff height recommended  
for standard front tires.

**92216**  
CVA cup, center,  
aluminum

## :: Bag 4 - Step 3

**25226**  
4x5mm  
Set screw

THREAD  
LOCK  
#1596

**92143**  
Diff pinion  
gear shim

## :: Bag 4 - Step 4

**92139 x2**  
Diff outdrive  
shims

**91563 x2**  
10x15x4mm  
bearing

**92513 x2**  
B84 Diff height  
inserts,  
(kit setting 0)



**92510**  
B84 FT  
Carbon front  
gearbox

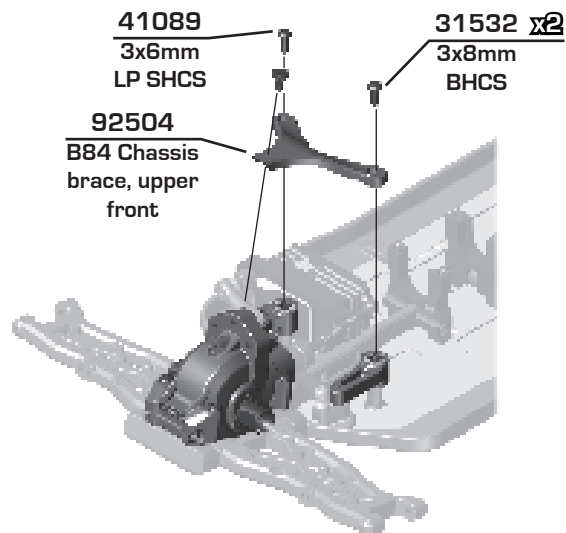
**89202 x4**  
3x12mm  
BHCS

**92509**  
B84 Front  
gearbox,  
upper

Start by shimming the diff with one shim on either side of the diff. If the diff is tight when inserted into the gearbox, remove one shim from the ring gear side and add it to the diff case side.

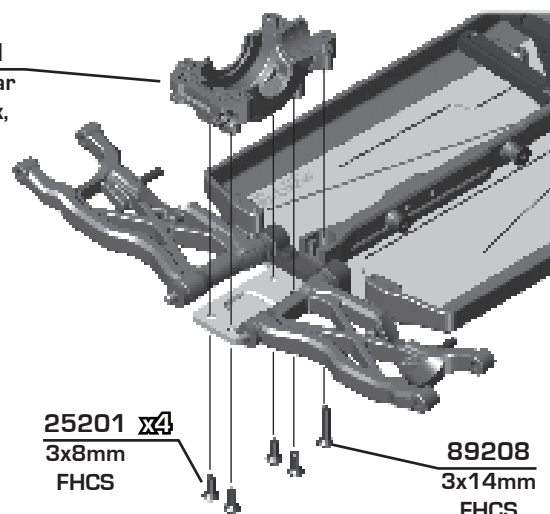
Take extra care not to strip these screw holes out. Stripping the plastic will result in premature failure.

### Bag 4 - Step 5

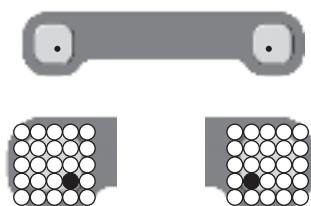


92512  
B84 FT  
Carbon rear  
gearbox,  
+2mm

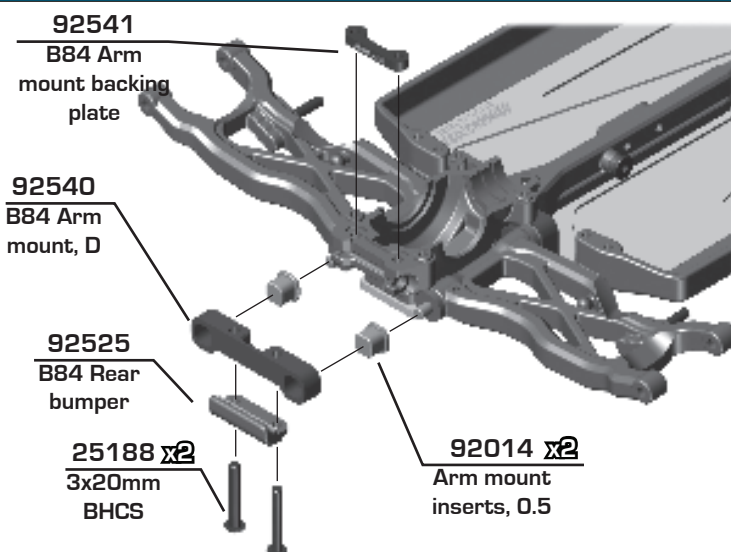
92511  
B84 Rear  
gearbox,  
lower,  
+2mm



### Bag 4 - Step 6



Kit Setting



### Bag 4 - Step 7



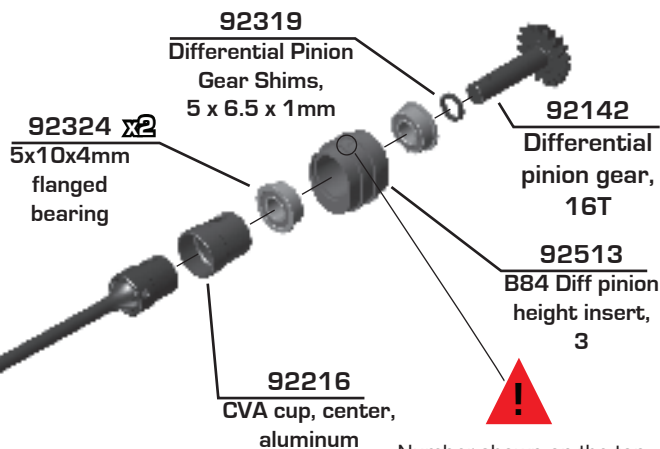
92264  
FT CVA  
cup, center,  
aluminum

91438  
CVA barrel



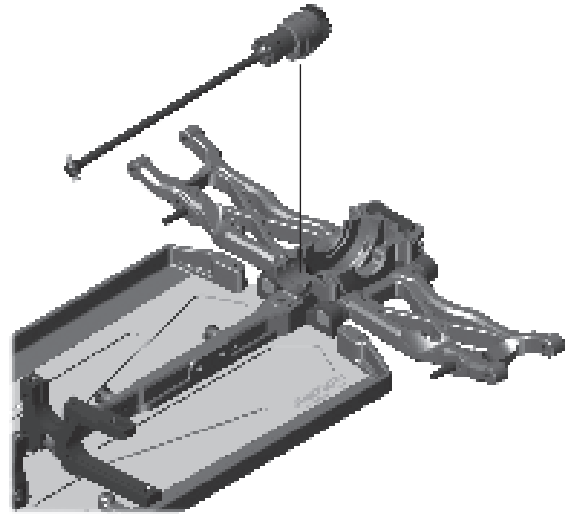
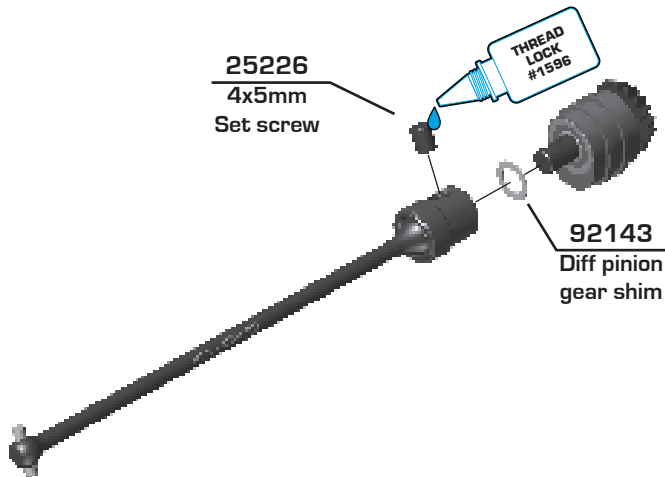
92215  
Center CVA  
input coupler

91438  
CVA pin

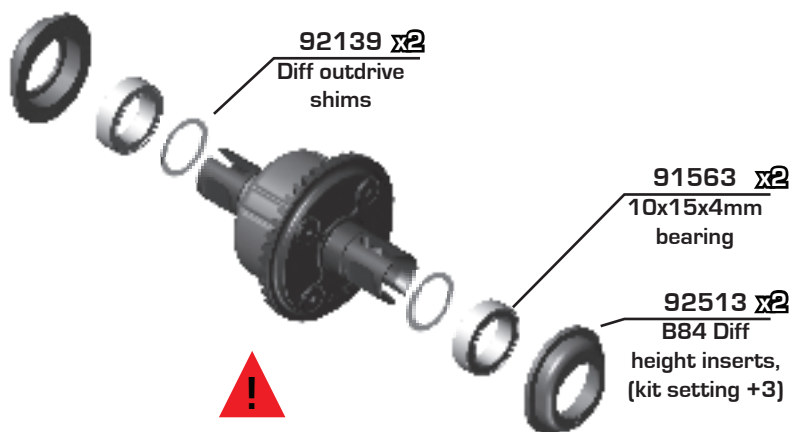


Number shown on the top and bottom of the rear insert after insertion should match the diff height desired.  
Kit setup: "3"

### :: Bag 4 - Step 8



### :: Bag 4 - Step 9



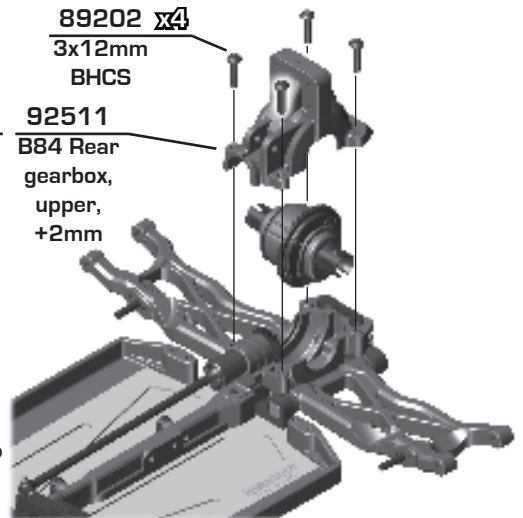
Start by shimming the diff with one shim on either side of the diff. If the diff is tight when inserted into the gearbox, remove one shim from the ring gear side and add it to the diff case side.



92512  
B84 FT  
Carbon rear  
gearbox,  
+2mm

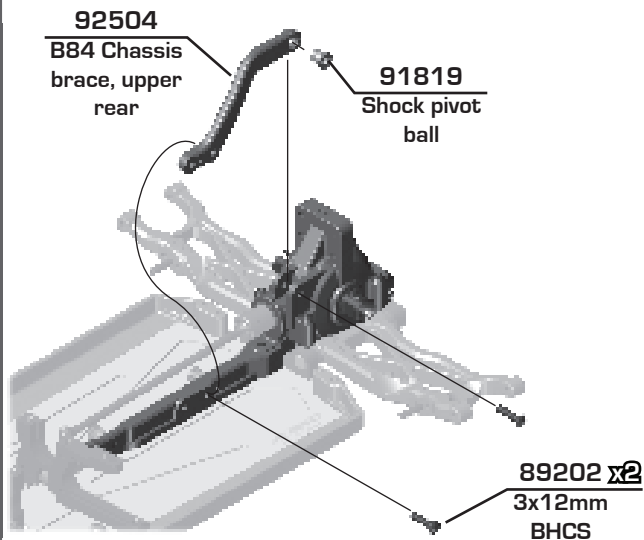
89202 x4  
3x12mm  
BHCS

92511  
B84 Rear  
gearbox,  
upper,  
+2mm

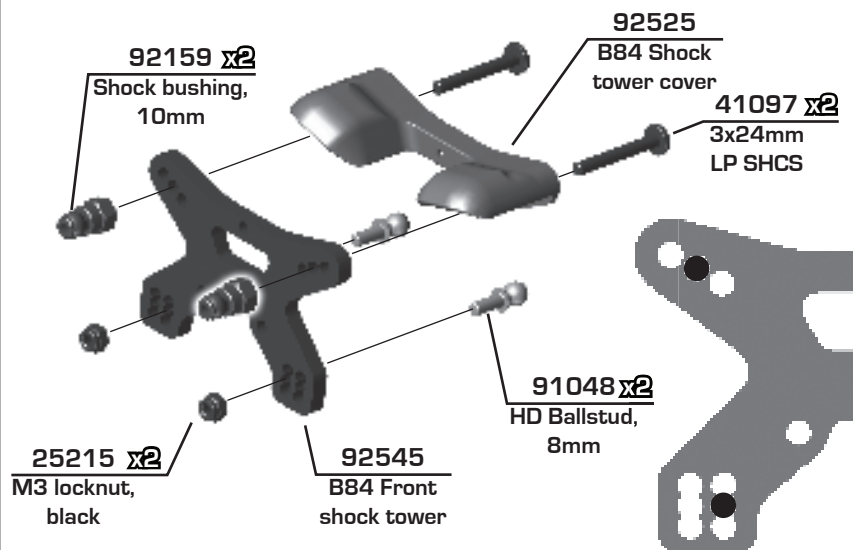


Take extra care not to strip these screw holes out. Stripping the plastic will result in premature failure.

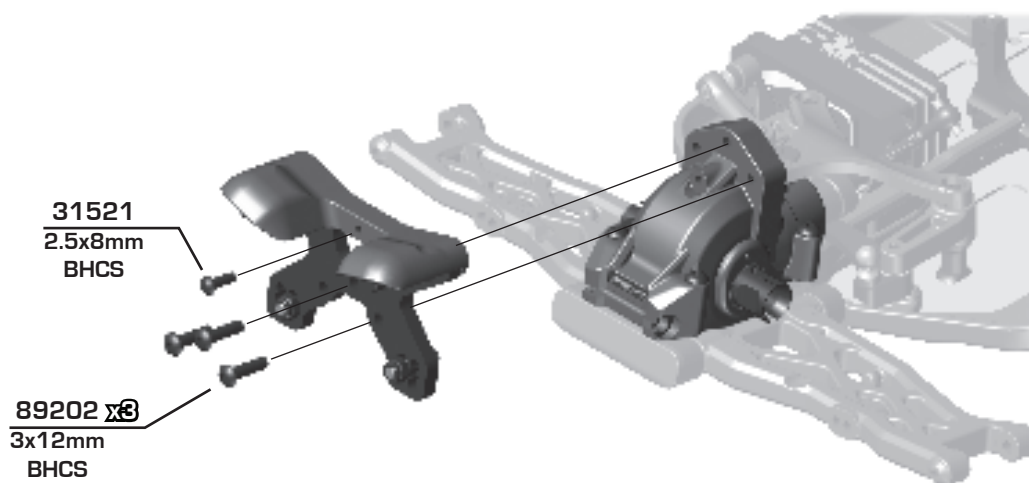
### :: Bag 4 - Step 10



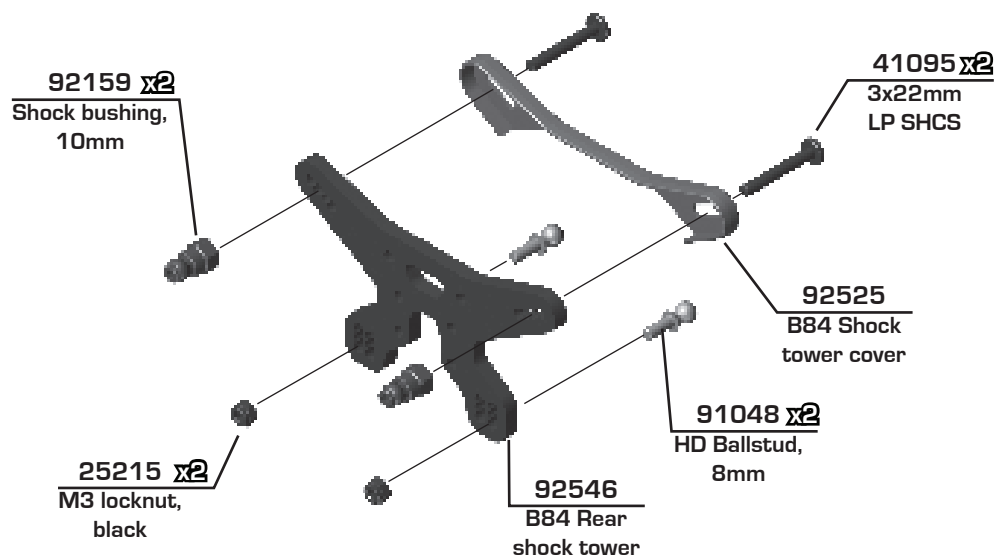
### :: Bag 5 - Step 1



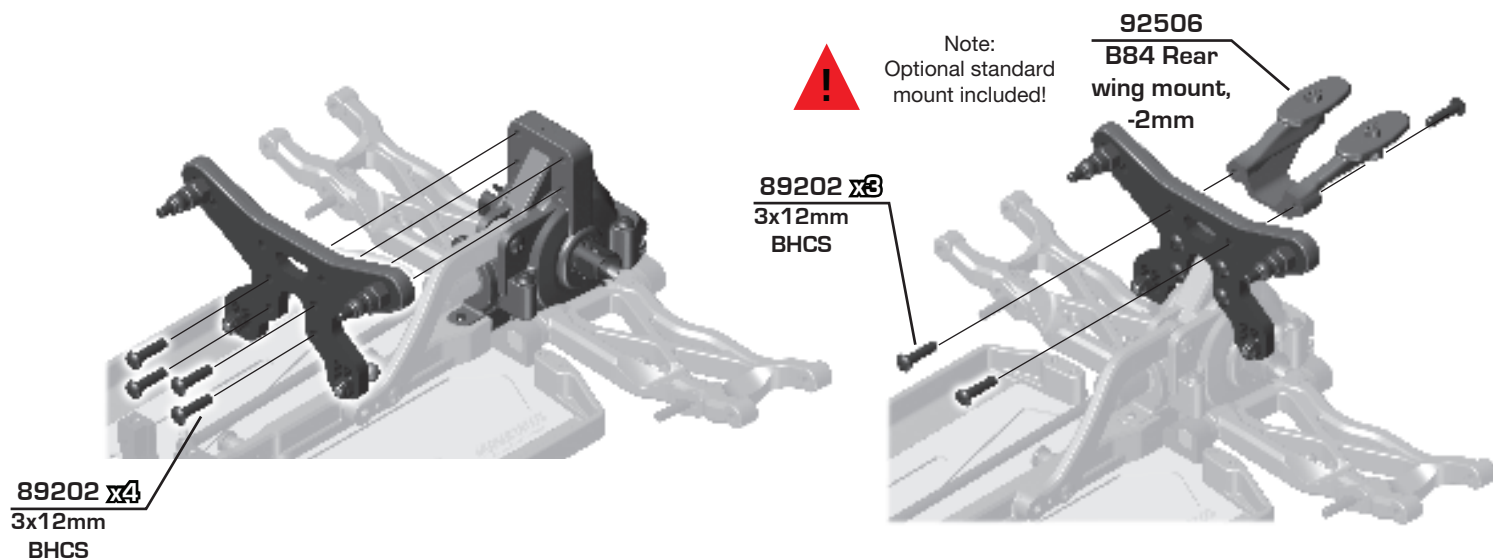
### :: Bag 5 - Step 2



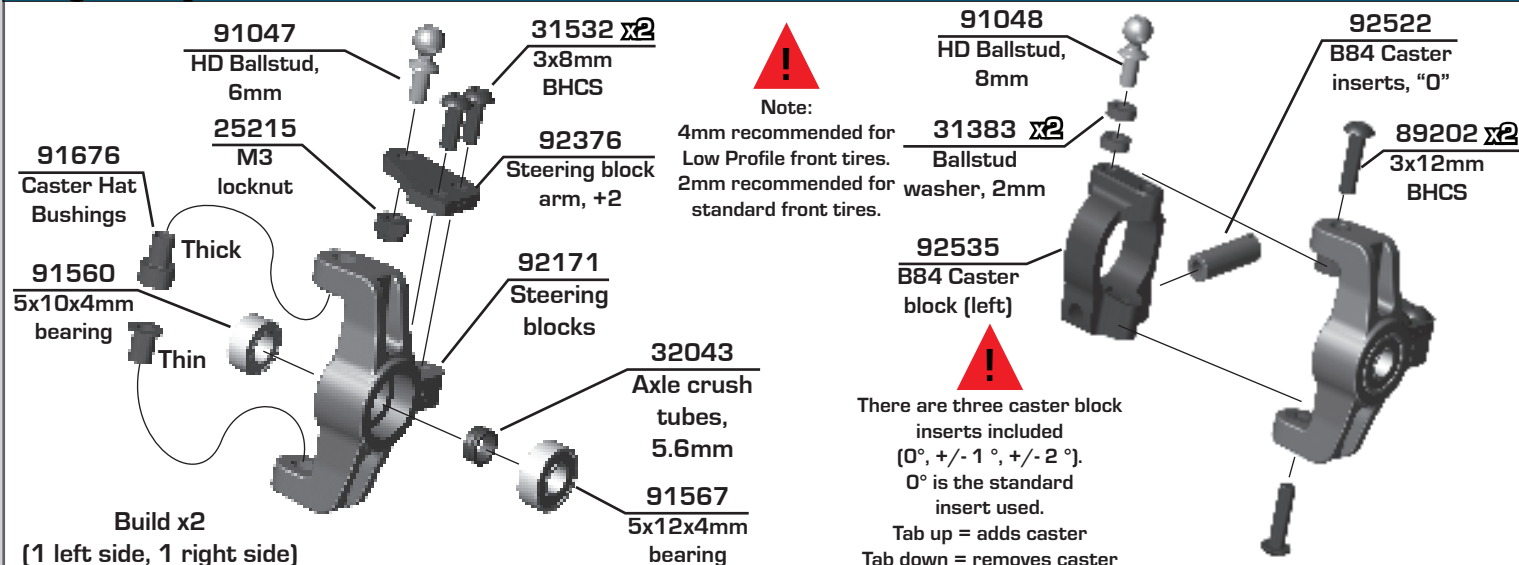
### :: Bag 5 - Step 3



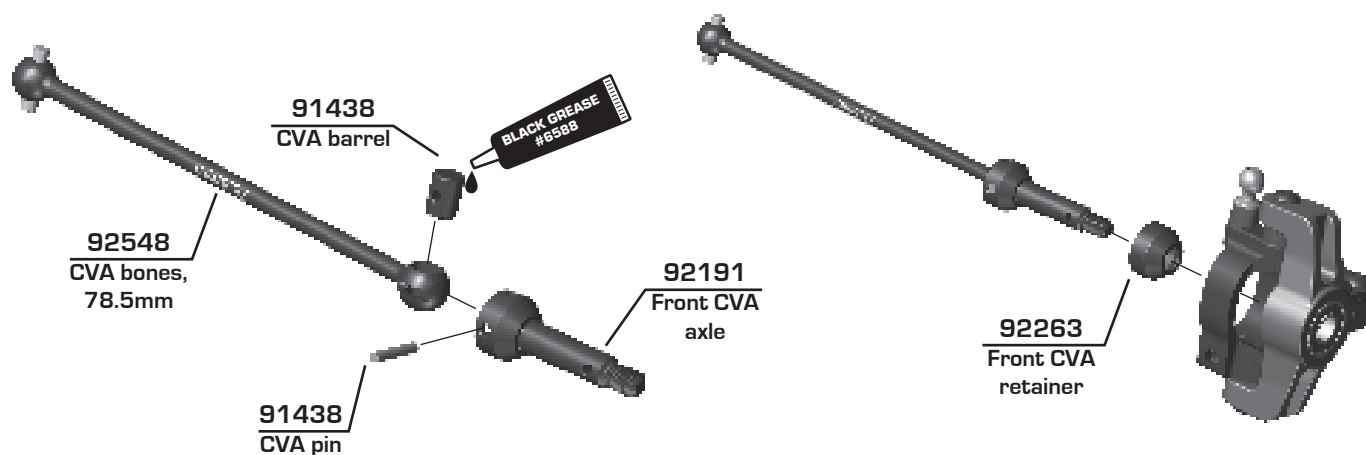
### :: Bag 5 - Step 4



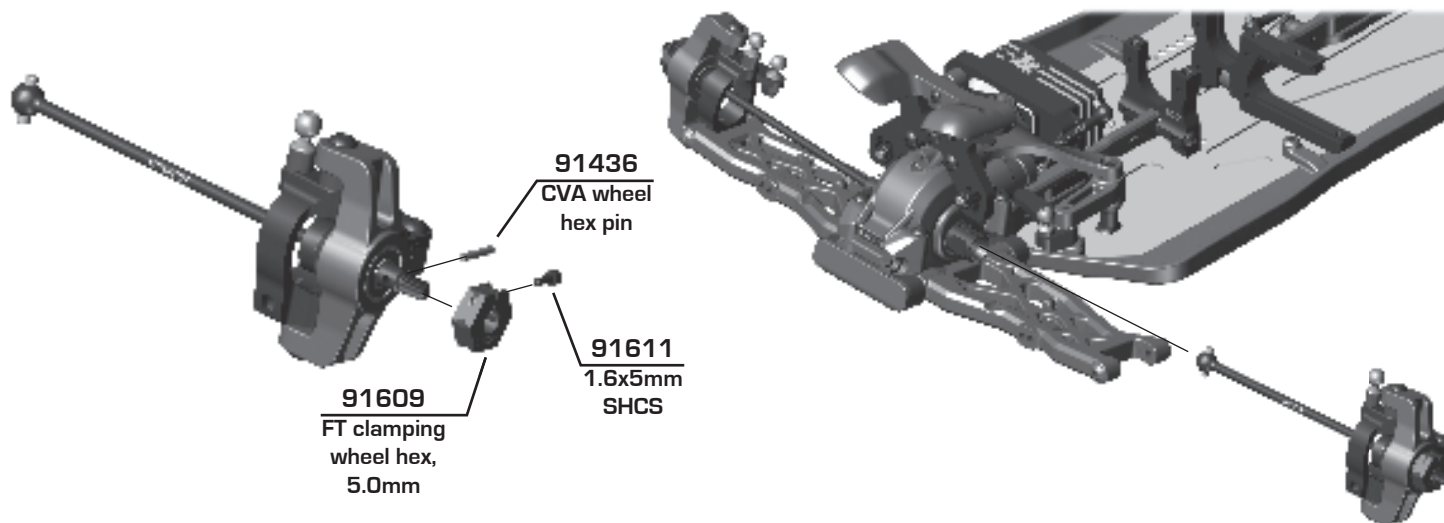
## :: Bag 6 - Step 1



## :: Bag 6 - Step 2

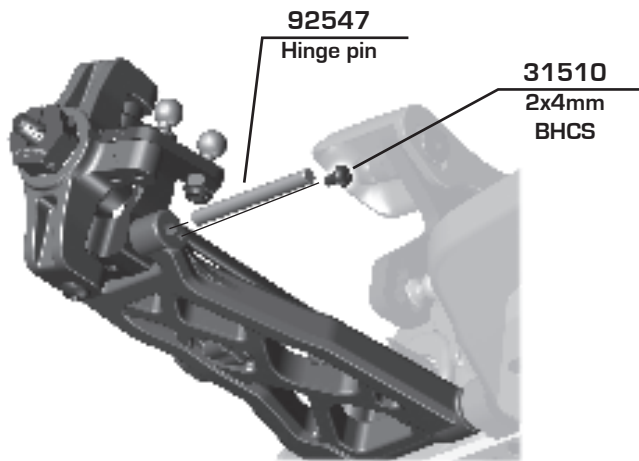


## :: Bag 6 - Step 3

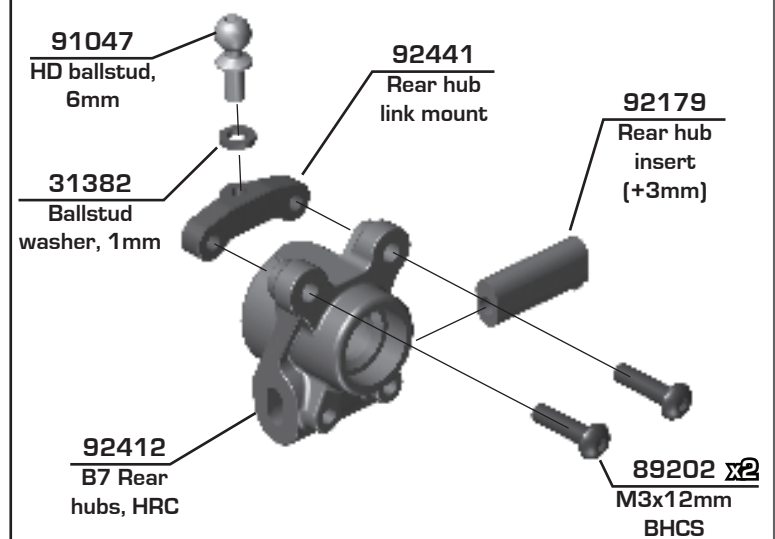




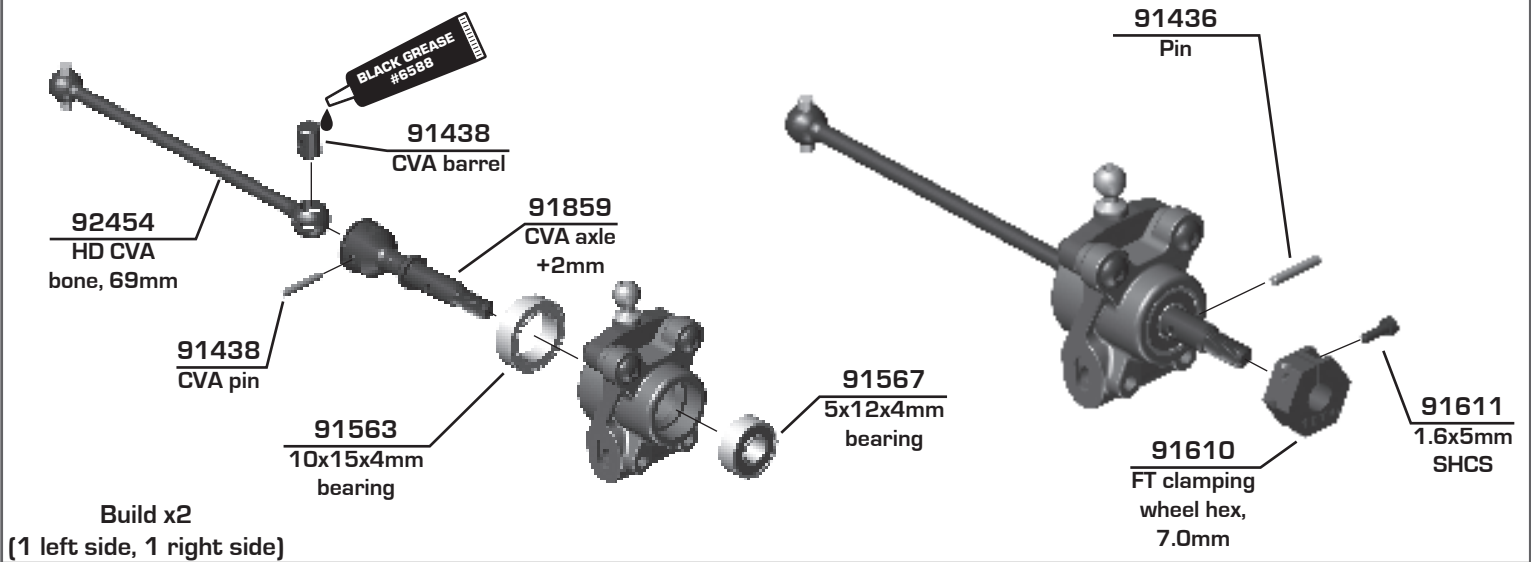
## :: Bag 6 - Step 4



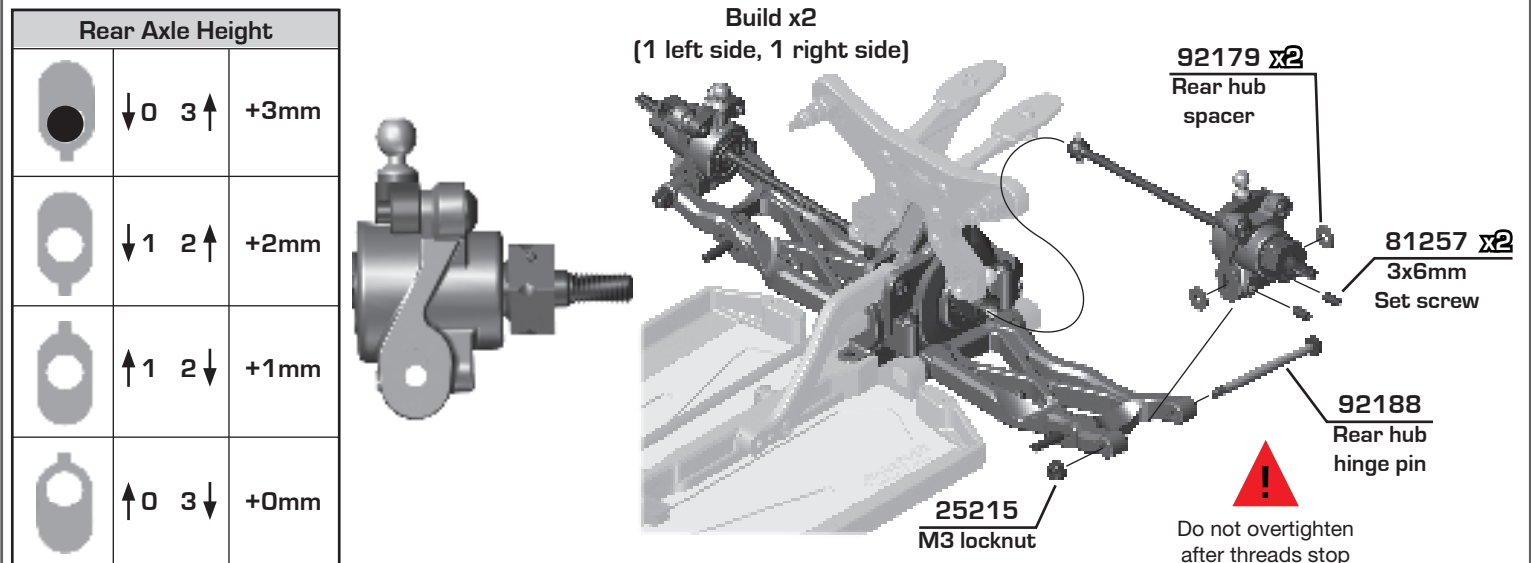
## :: Bag 7 - Step 1



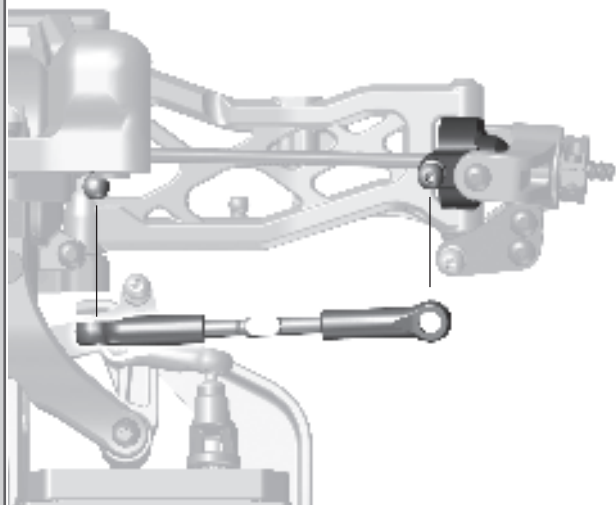
## :: Bag 7 - Step 2



## :: Bag 7 - Step 3



### :: Bag 8 - Step 1



**92308 x2**  
Ballcup,  
straight

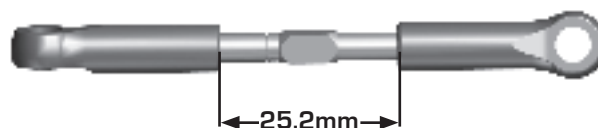
**92336**  
3.5x45mm  
turnbuckle



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

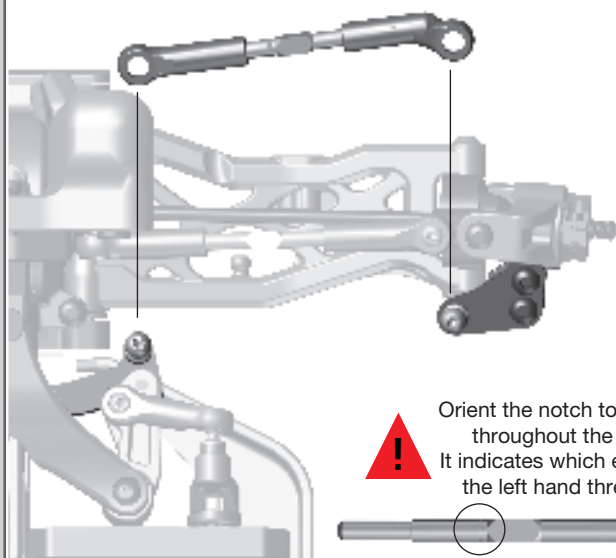


Note:  
All turnbuckle inner  
measurements are  
approximate.



Build x2 (1 left side, 1 right side)

### :: Bag 8 - Step 2



**92308**  
Ballcup,  
straight

**92336**  
3.5x45mm  
turnbuckle

**92308**  
Ballcup,  
Offset

Left



Right



21.2mm

Build x2 (1 left side, 1 right side)

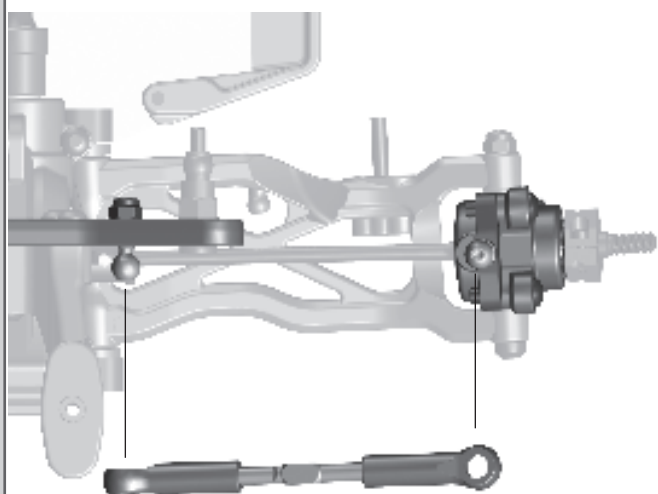


Orient the notch to the left  
throughout the car.  
It indicates which end has  
the left hand threads!



There is two offset ballcups  
labeled "1" and "2".  
The ballcup labeled "1" goes  
on the left side of the car.

### :: Bag 8 - Step 3



**92308 x2**  
Ballcup,  
straight

**92337**  
3.5x48mm  
turnbuckle



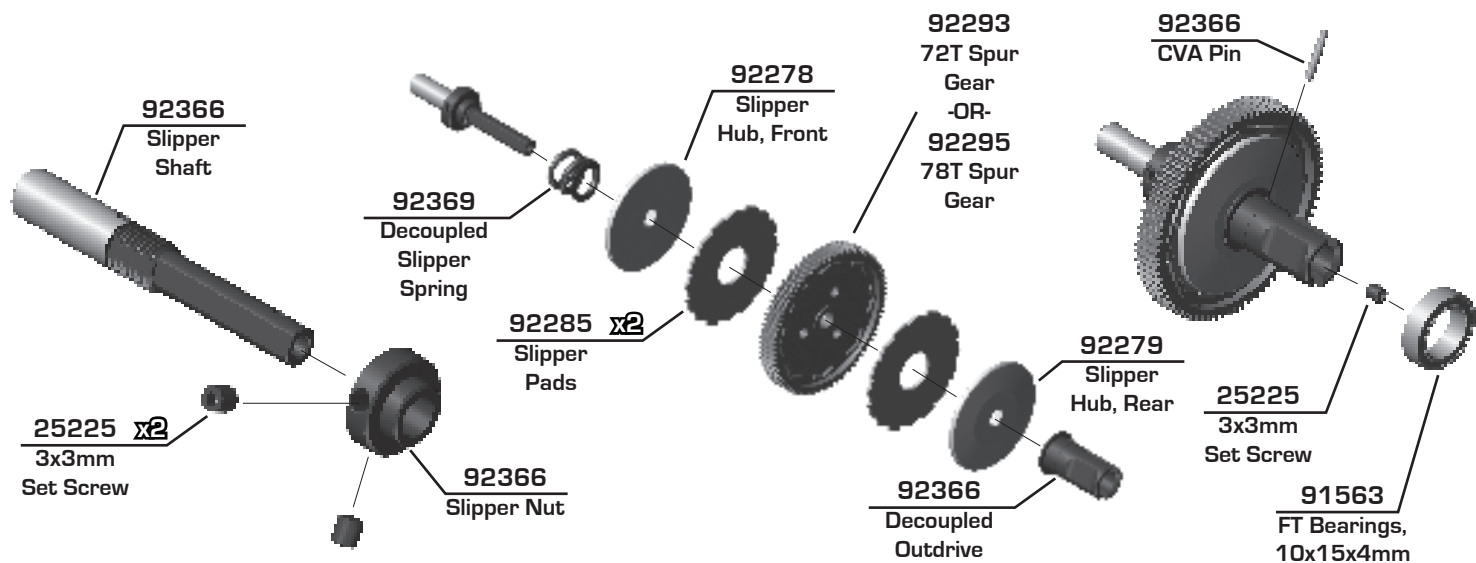
Build x2 (1 left side, 1 right side)



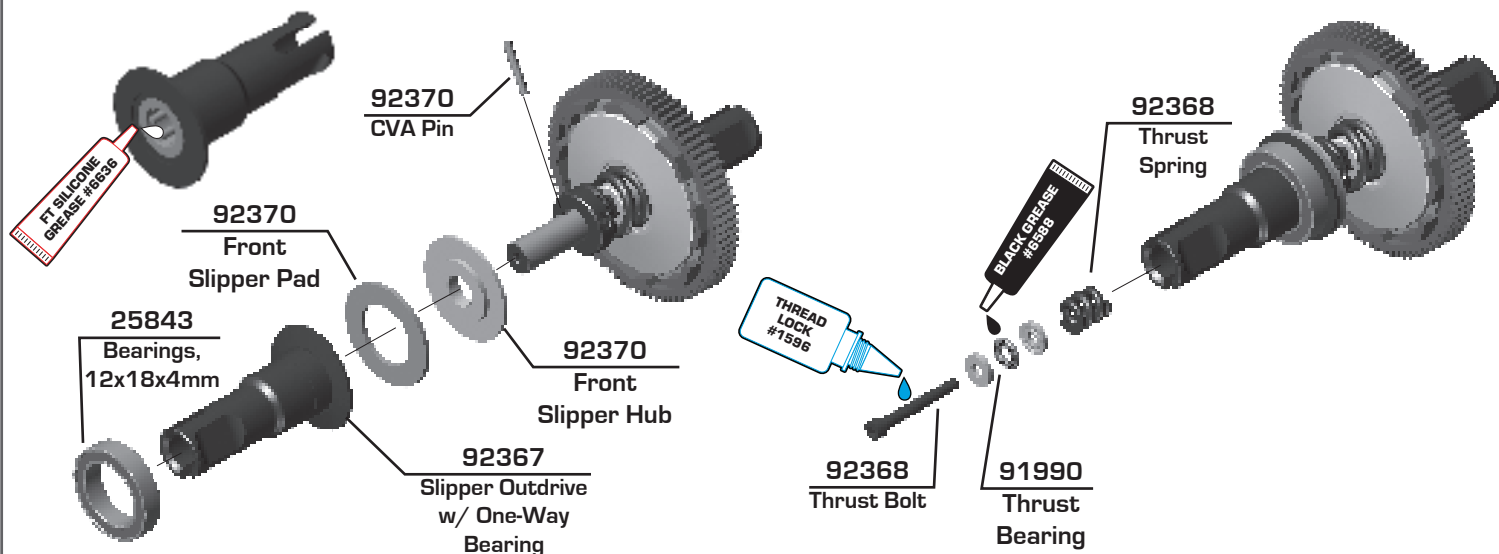
Orient the notch to the left  
throughout the car.  
It indicates which end has  
the left hand threads!



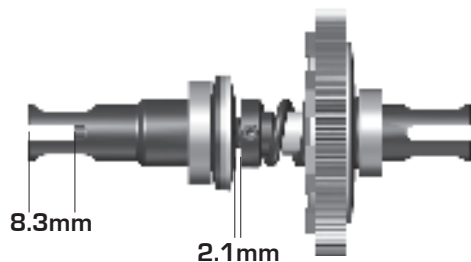
### Bag 9 - Step 1



### Bag 9 - Step 2



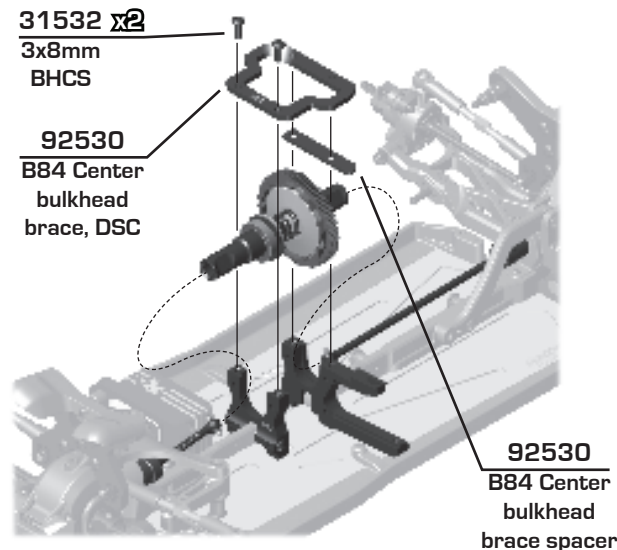
### Bag 9 - Step 3



Note:  
Two additional 3x8mm  
BHCS included for  
center bulkhead brace  
if not running fan  
mount.

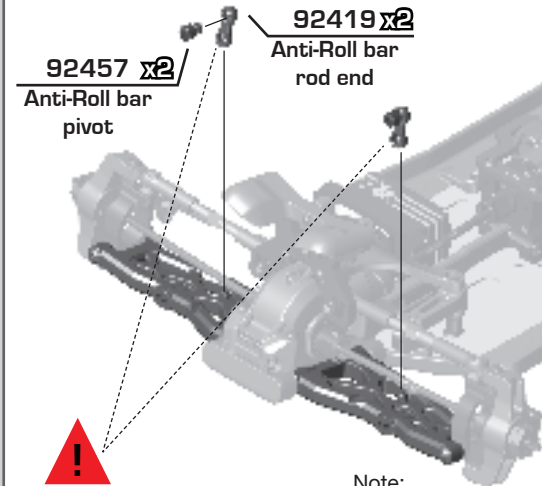
31532 x2  
3x8mm  
BHCS

92530  
B84 Center  
bulkhead  
brace, DSC



Spur gear direction  
has a cutout to fit over  
the slipper housing

### :: Bag 10 - Step 1



**!**  
Note: Orient the set screws in the same location on left and right side.

Note: Leave some side to side movement when setting the anti-roll bar collars. The anti-roll bar should not bind the suspension

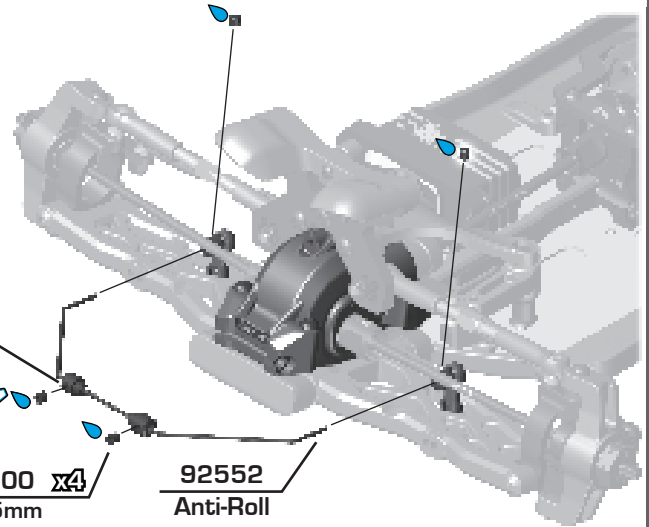
**!**  
Note:  
The anti-roll bar rod end should be perpendicular to the suspension arm when assembled. This may require flipping the anti-roll bar pivot or adjusting it on the bar to achieve the correct setting depending on arm position.

92457 x2  
Anti-roll bar collar

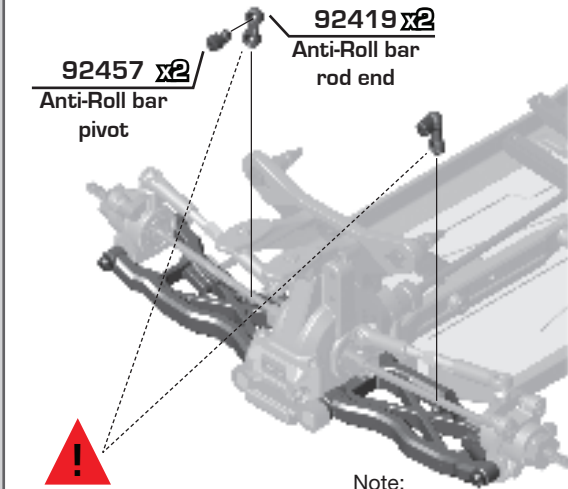


31500 x4  
3x2.5mm  
Set screw

92552  
Anti-Roll bar 1.8mm



### :: Bag 10 - Step 2



**!**  
Note: Orient the set screws in the same location on left and right side.

Note: Leave some side to side movement when setting the anti-roll bar collars. The anti-roll bar should not bind the suspension

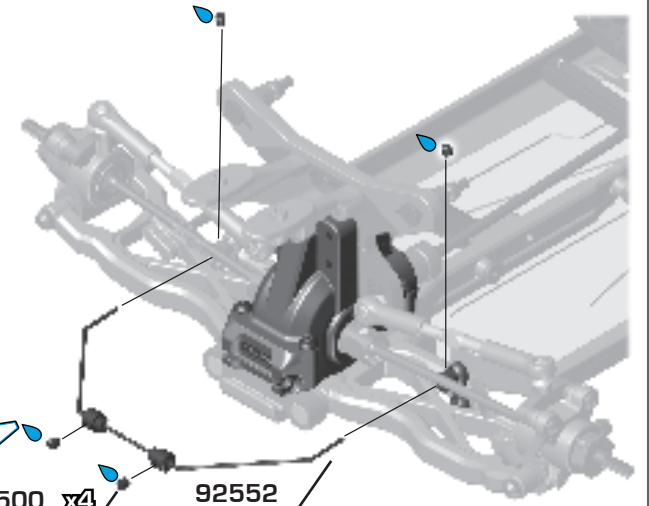
**!**  
Note:  
The anti-roll bar rod end should be perpendicular to the suspension arm when assembled. This may require flipping the anti-roll bar pivot or adjusting it on the bar to achieve the correct setting depending on arm position.

92457 x2  
Anti-roll bar collar

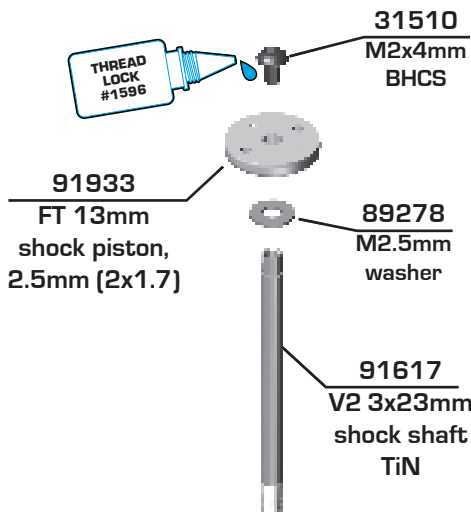


31500 x4  
3x2.5mm  
Set screw

92552  
Anti-Roll bar 2.0mm



### :: Bag 11 - Step 1



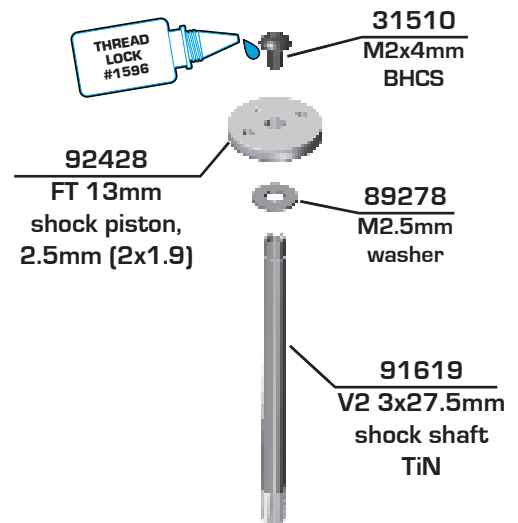
**!**  
Mount the shock pistons with the number facing up!



Racers Tip:

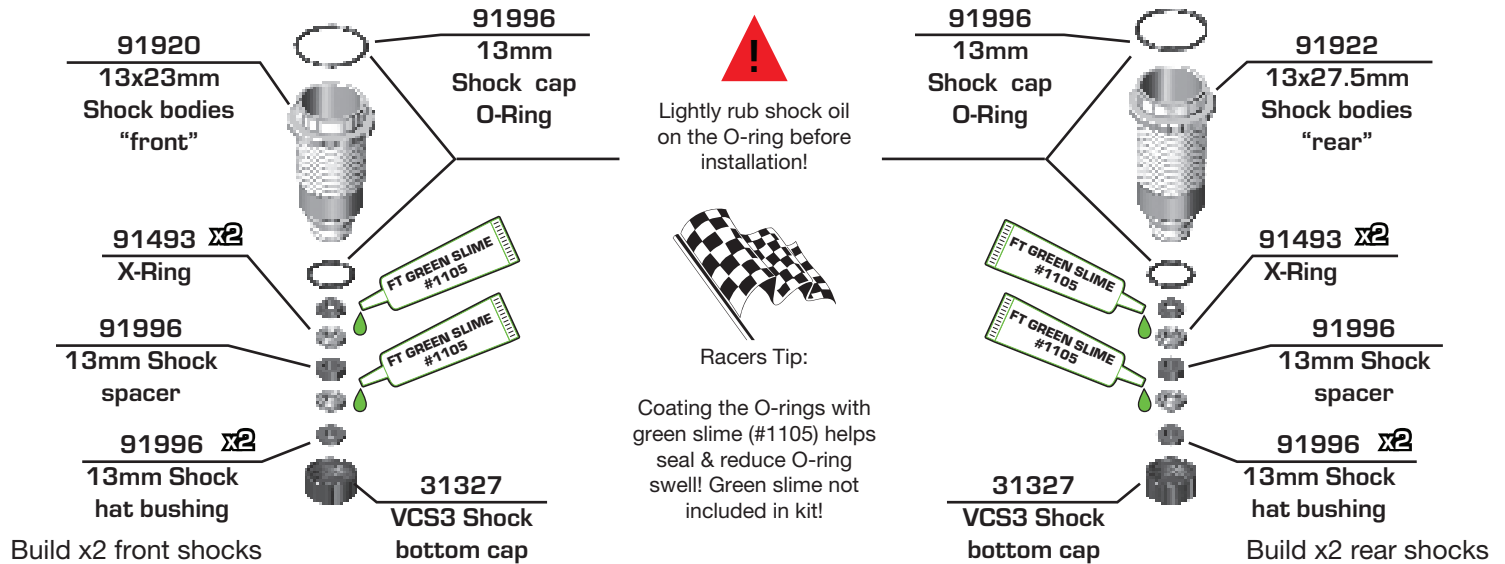
Use a marker over the numbers on the pistons to make them easily visible!

Build x2 front shocks

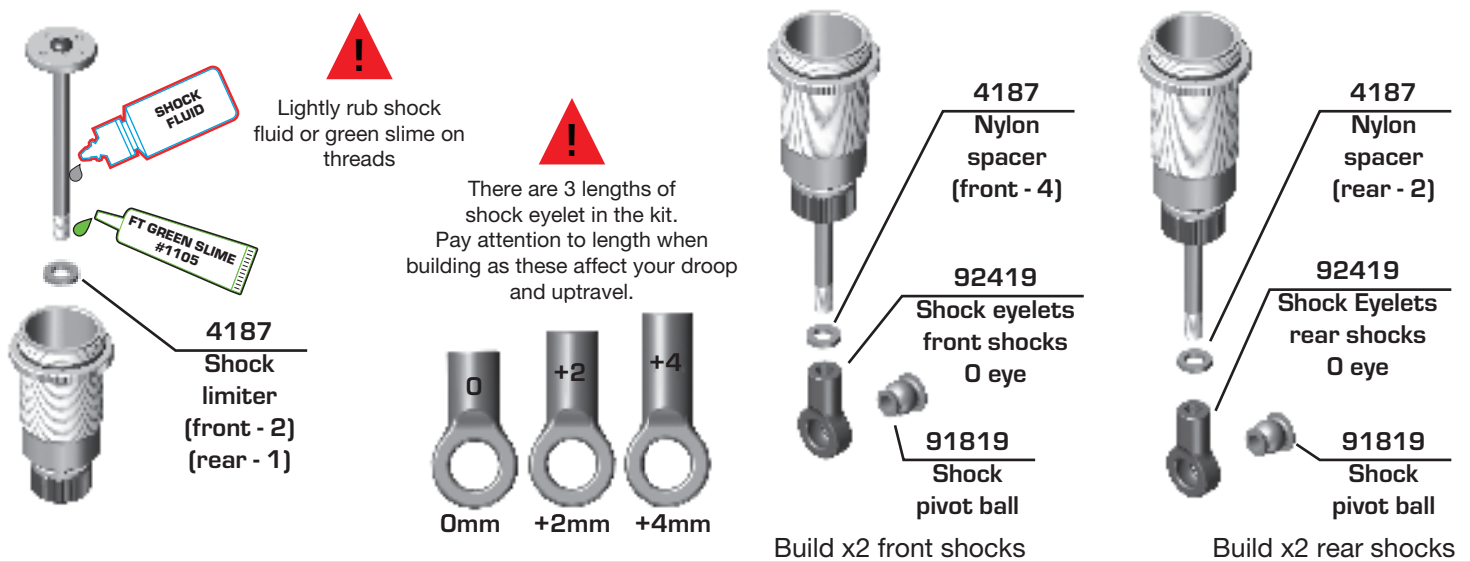


Build x2 rear shocks

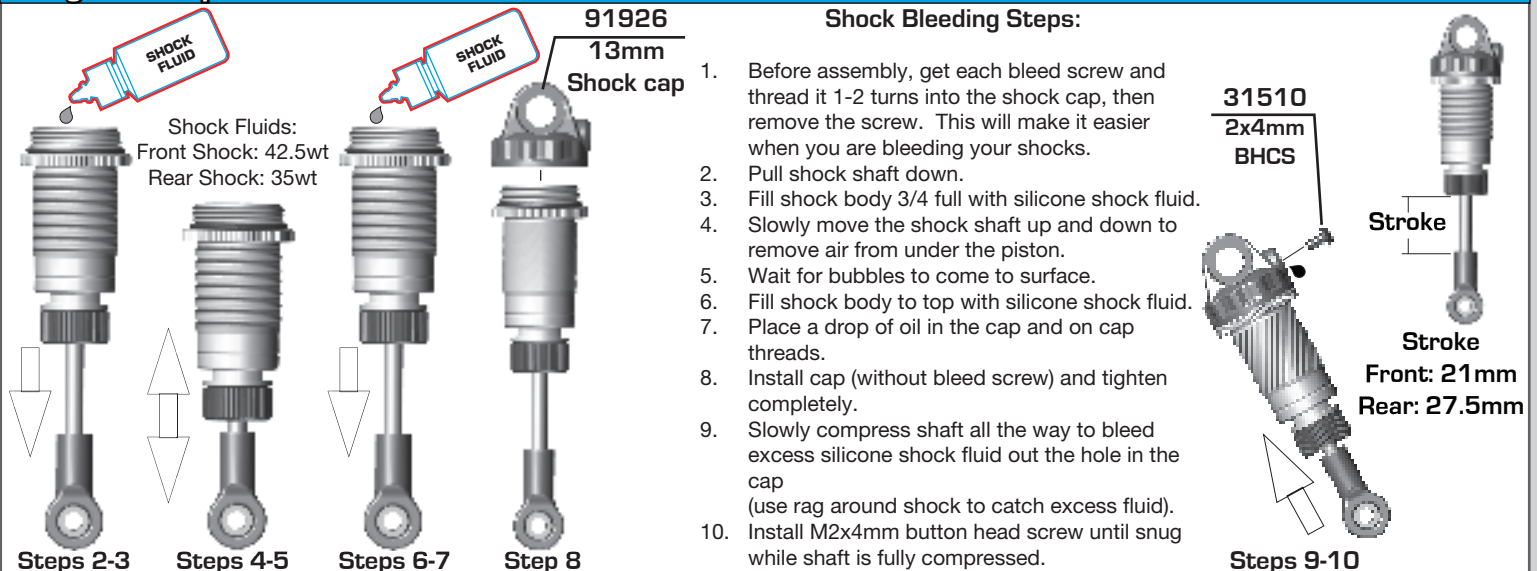
### Bag 11 - Step 2



### Bag 11 - Step 3

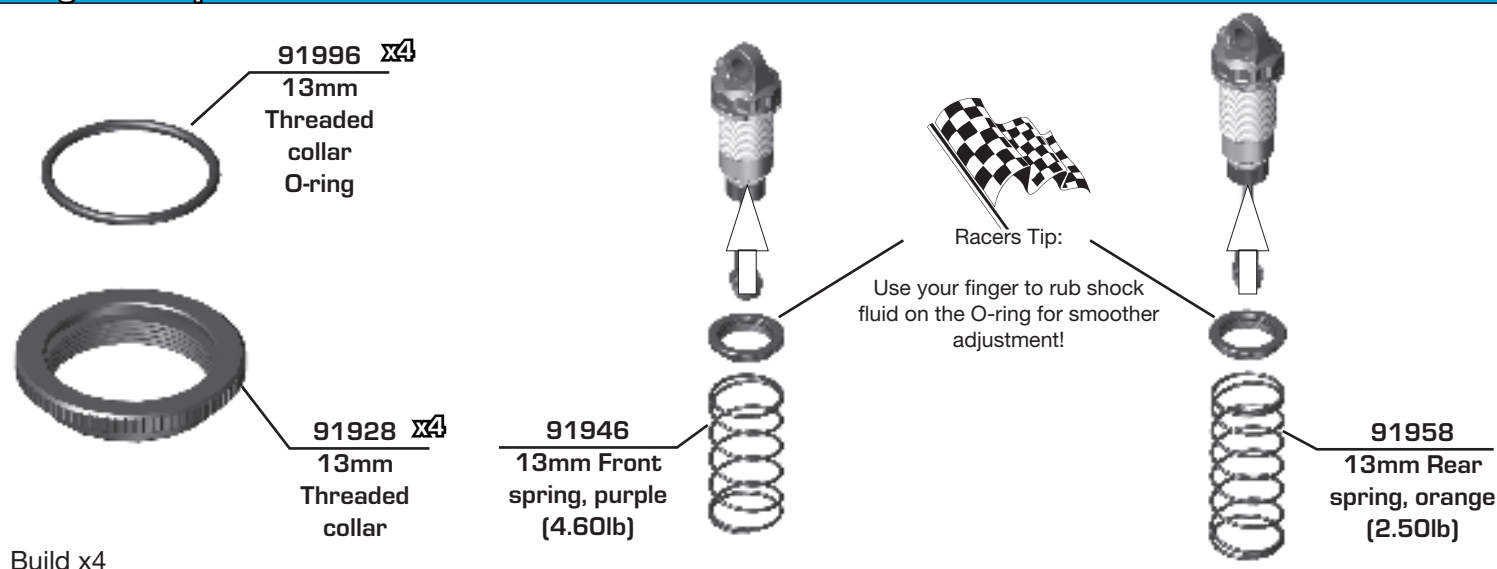


### Bag 11 - Step 4

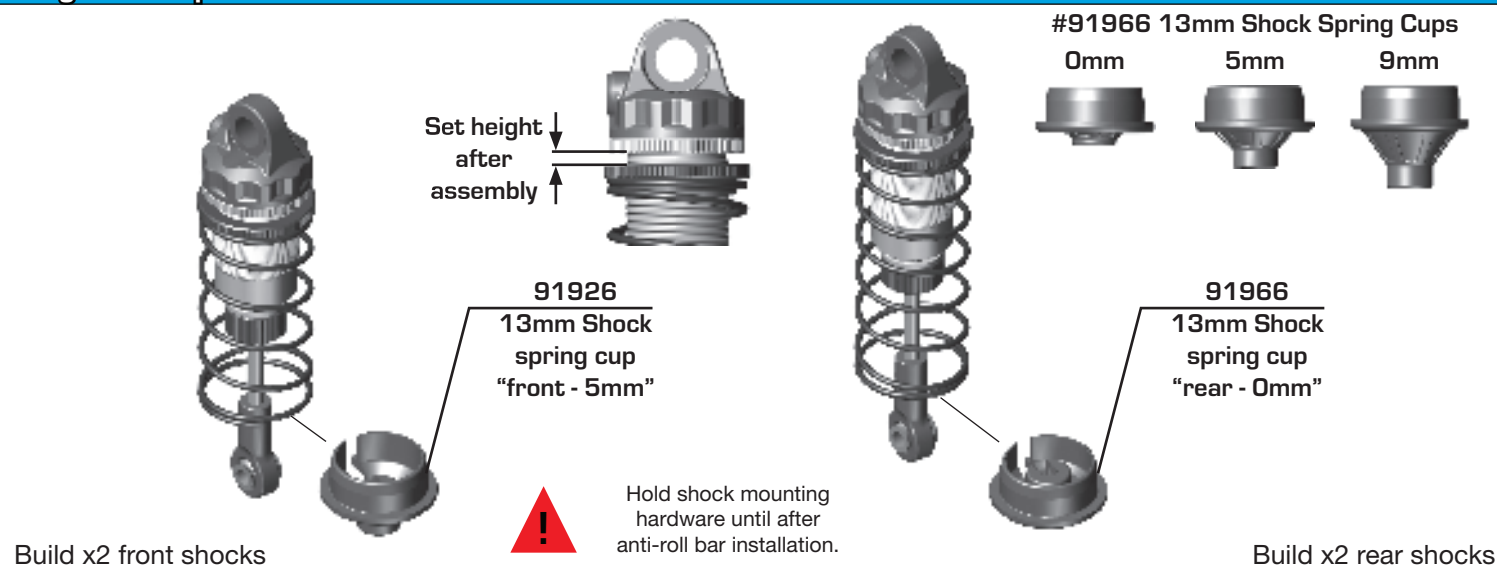




## :: Bag 11 - Step 5

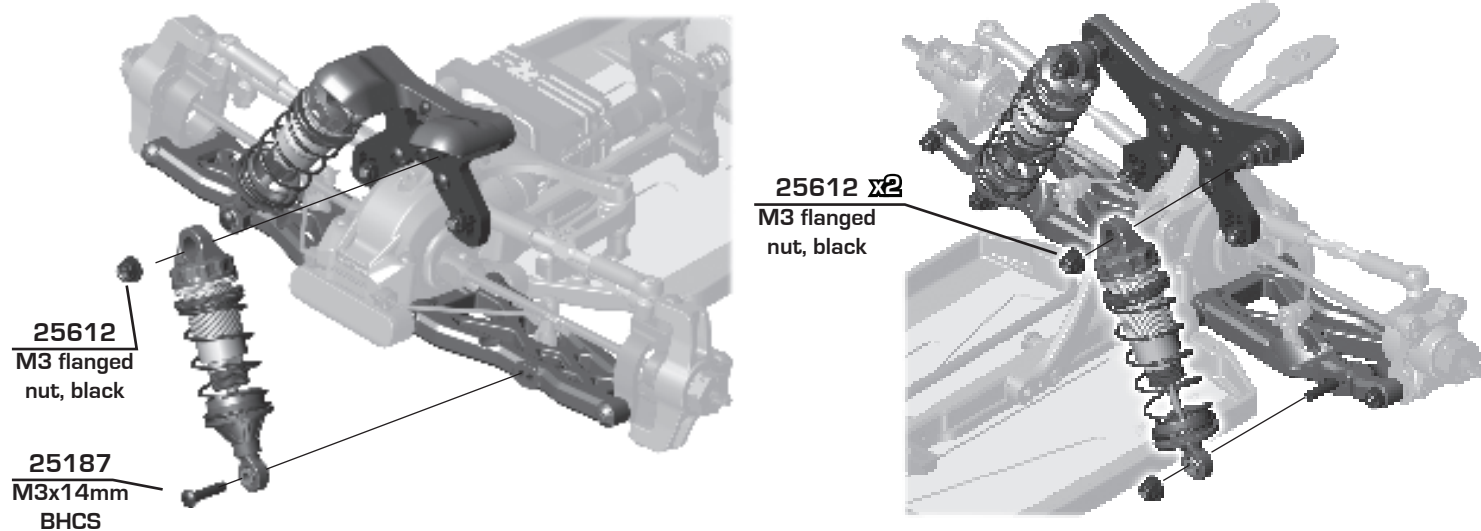


## :: Bag 11 - Step 6

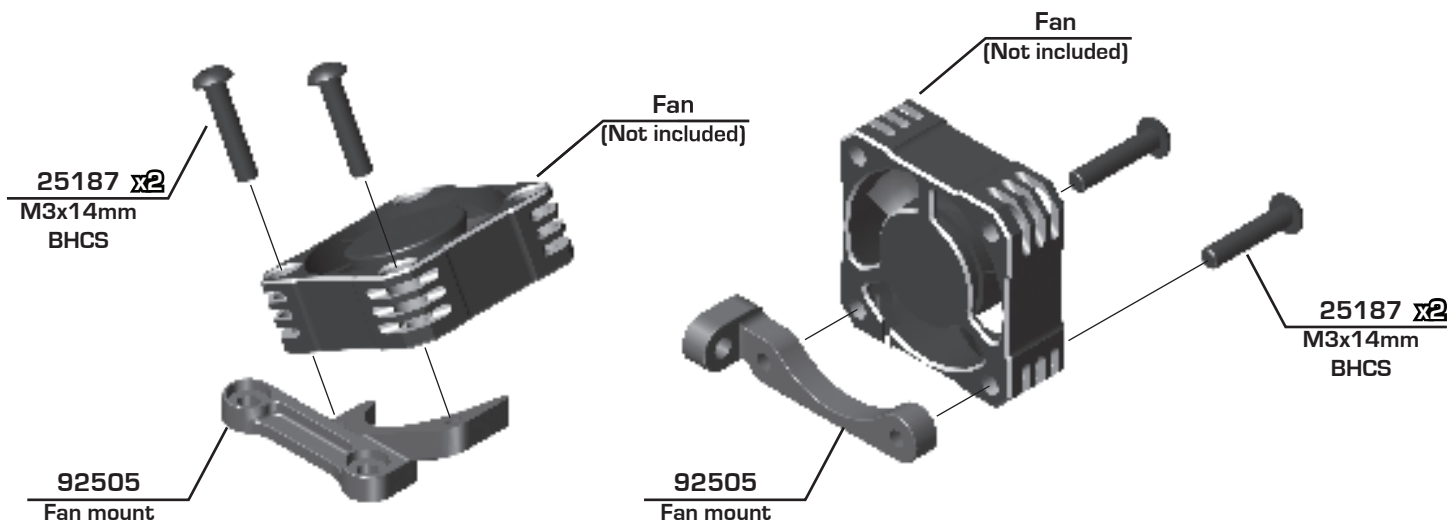


## :: Bag 11 - Step 7

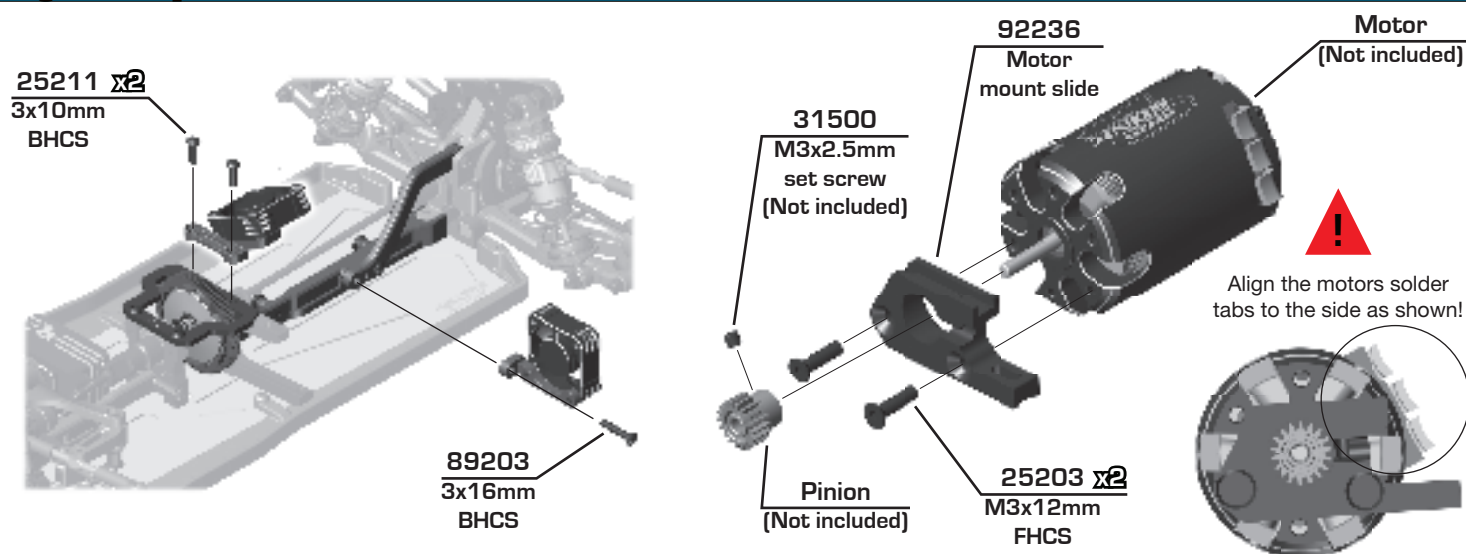
Install x2 front and x2 rear shocks



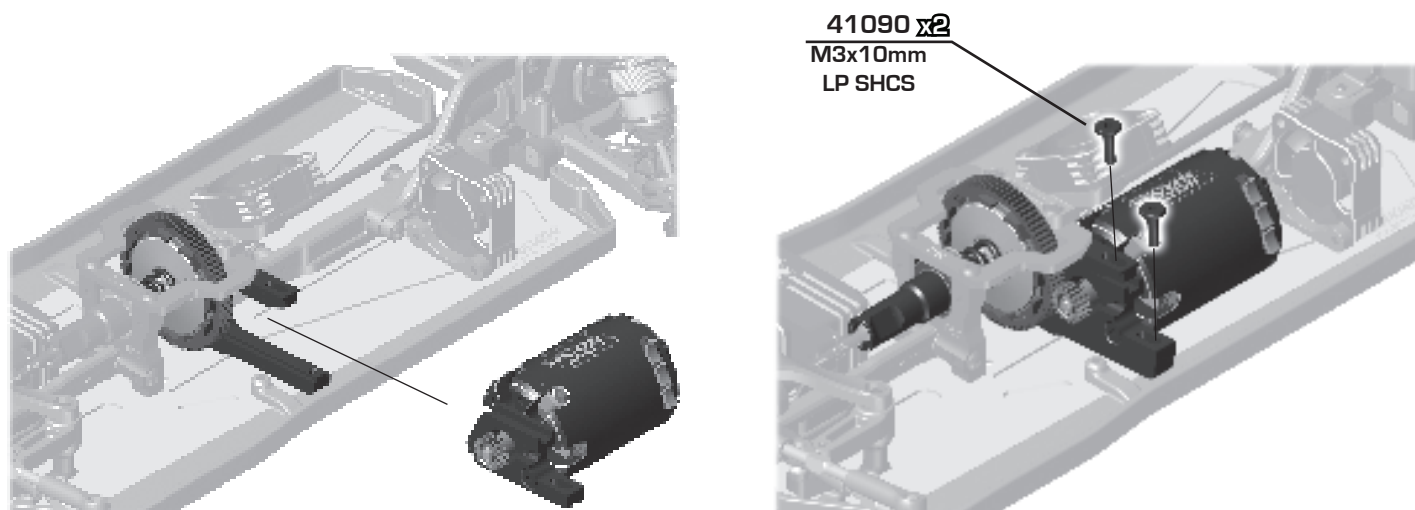
### :: Bag 12 - Step 1



### :: Bag 12 - Step 2



### :: Bag 12 - Step 3

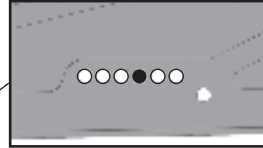
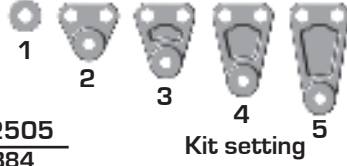


### :: Bag 12 - Step 4

31532 x2  
M3x8mm  
BHCS

92505  
B84  
Battery  
holder  
"4"

92505  
B84  
Battery  
holder



25201  
M3x8mm  
FHCS

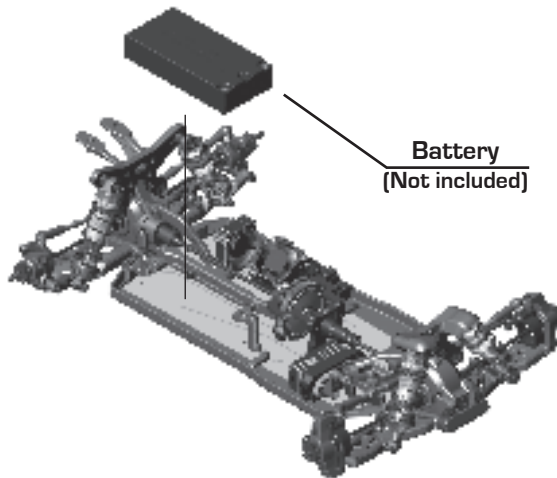
**!**  
Use M3 x 20mm for  
standard height  
Use M3 x 14mm  
LP height

25188 x2  
M3x20mm  
BHCS

92505  
B84  
Battery  
holder

92463 x2  
Battery  
holder  
O-Ring

### :: Bag 12 - Step 5

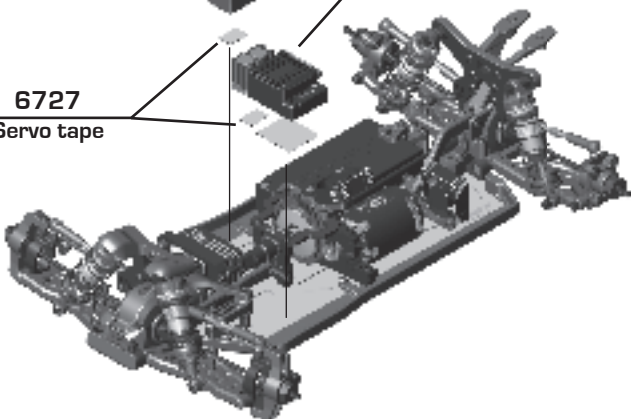


### :: Bag 12 - Step 6

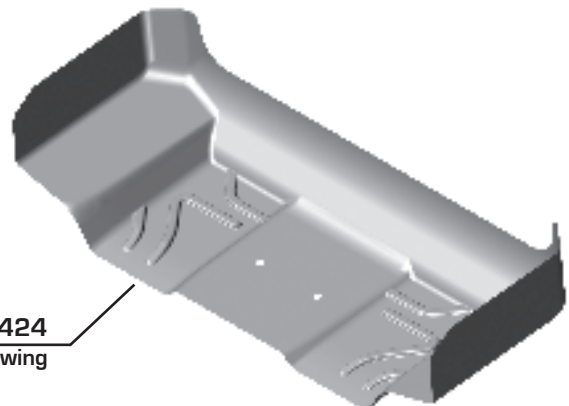
Receiver  
(Not included)

ESC  
(Not included)

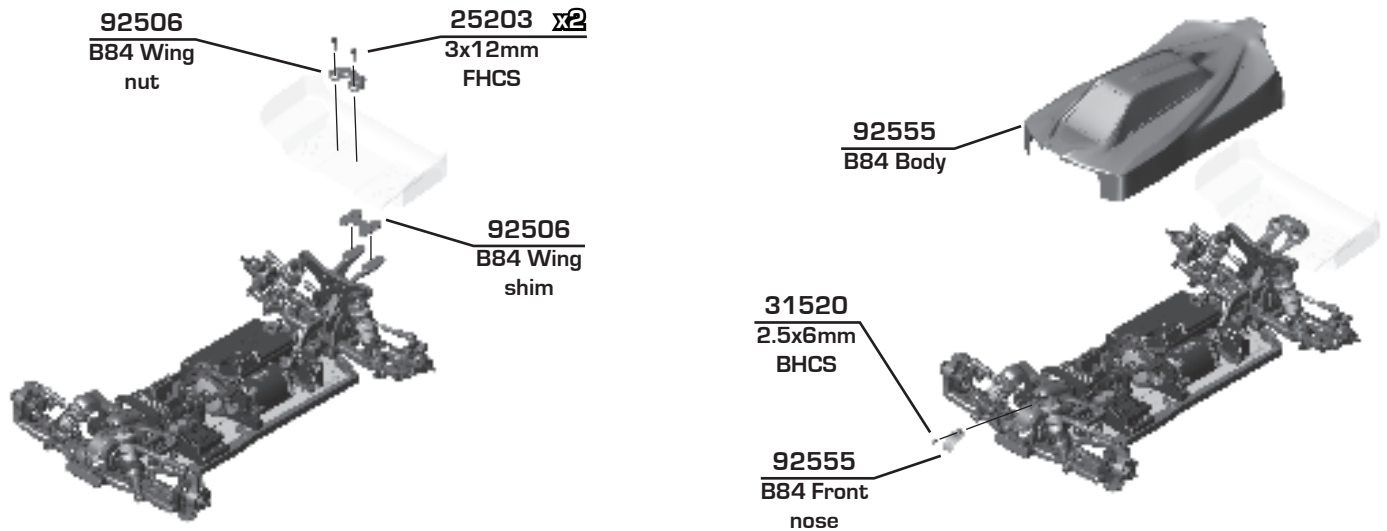
6727  
Servo tape



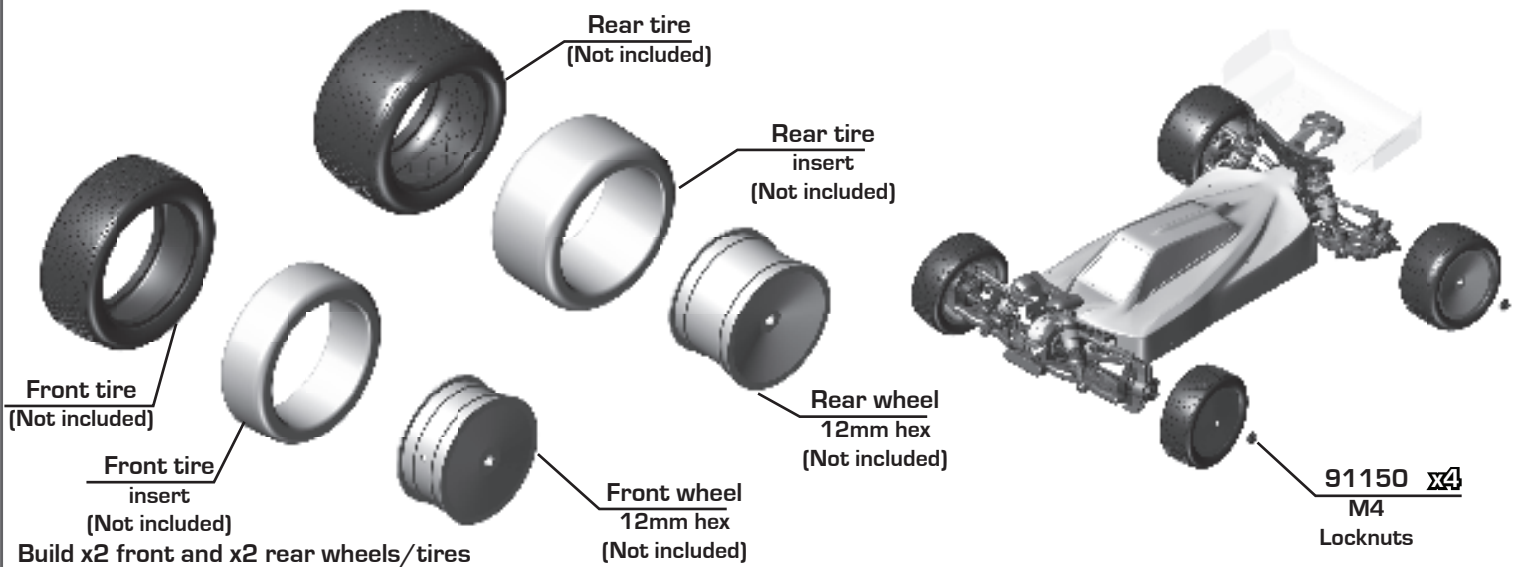
92424  
B7 wing



### :: Bag 12 - Step 7



### :: Bag 12 - Step 8



### :: Tuning Tips - Painting, Beginners

#### Painting:

Your Kit requires a clear polycarbonate body. You will need to prep the body before you can paint it. Wash the INSIDE thoroughly with warm water and liquid detergent (do not use any detergents with scents or added hand lotion ingredients!). Dry the body using a clean, soft, lint-free cloth. Use the supplied window masks to cover the windows from the INSIDE of the body (RC bodies get painted on the inside). Using high quality masking tape, apply tape to the inside of the body to create a design. Spray (use either rattle can or airbrush) the paint on the inside of the body (preferably dark colors first, lighter colors last). NOTE: ONLY use paint that is recommended for (polycarbonate) plastics. If you do not, you can destroy the body! After the paint has completely dried (usually after 24 hours), cut the body along the trim lines. Make sure to drill or use a body reamer to make the holes for the antenna if needed! Use hook and loop tape to secure the body to the side rails of the vehicle.

#### Tips for Beginners:

Before making any changes to the standard setup, make sure you can get around the track without crashing. Changes to your vehicle will not be beneficial if you can't stay on the track. Your goal is consistent laps. Once you can get around the track consistently, start tuning your vehicle. Make only ONE adjustment at a time, testing it before making another change. If the result of your adjustment is a faster lap, mark the change on the included setup sheet (make additional copies of the sheet before writing on it). If your adjustment results in a slower lap, revert back to the previous setup and try another change. When you are satisfied with your vehicle, fill in the setup sheet thoroughly and file it away. Use this as a guide for future track days or conditions. Periodically check all moving suspension parts. Suspension components must be kept clean and move freely without binding to prevent poor and/or inconsistent handling.







## Front Suspension:

Ride Height: 11mm  
 Camber: -1 deg  
 Toe: 0 deg  
 Anti-Roll Bar: 1.8mm  
 Arm Type: Kit  
 Tower Type: Kit  
 Wheelbase Shim: Arm Middle  
 Wheel Hex: 5mm  
 Steering Block Type: B74  
 Caster Block: 6° 7° 8° 9° 10°  
 Chassis Brace Material: Kit  
 Top Plate Brace Material: Kit  
 Front Axles: CVA DCV  
 Notes:

Lower Brace Type: Fixed ☐ Pivot ☒



Ball Stud Spacing: 2mm

Arm Mount A: 1° 0.5°  
 Gray ☐ Black ☐



Arm Mount B: 1° 0.5°  
 Gray ☐ Black ☐



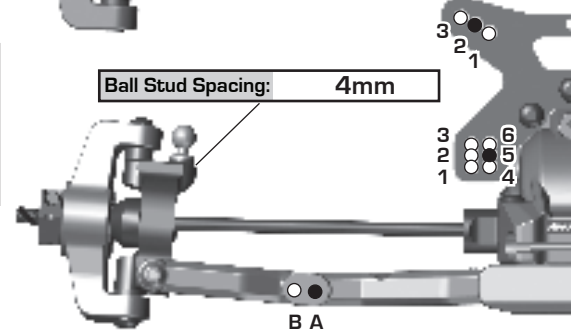
Diff Height:  
 +3 ☐  
 +2 ☐  
 +1 ☐  
 +0 ☒

Axle Height:  
 +3 ☐ +2 ☐ +1 ☐ 0 ☐

Ball Stud Spacing: 0

Steering Plate: +2

Ball Stud Spacing: 4mm



## Rear Suspension:

Ride Height: 11mm  
 Camber: -1 deg  
 Anti-Roll Bar: 2.0mm  
 Arm Type: Kit - B7  
 Tower Type: Kit  
 Wheelbase Shim: Arm Middle  
 Wheel Hex: 7mm  
 Hub Type: Kit - B7 HRC  
 Drive Shaft Type: 69mm Bone  
 Chassis Brace Material: Kit  
 Upper Chassis Brace Material: Kit  
 Hub Spacing: Fwd Mid Back  
 Notes:

Lower Brace Type: Fixed ☐ Pivot ☒



Rear Chassis Brace Screws:

Arm Mount C: 1° 0.5°  
 Gray ☐ Black ☐



Arm Mount D: 1° 0.5°  
 Gray ☐ Black ☐



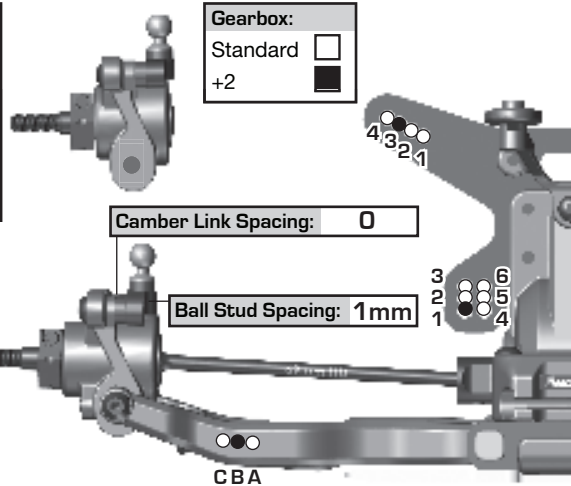
Axle Height:  
 ▼0 3▲ +3  
 ▼1 2▲ +2  
 ▲1 2▼ +1  
 ▲0 3▼ +0

Diff Height:  
 +3 ☐  
 +2 ☐  
 +1 ☐  
 +0 ☐

Gearbox:  
 Standard ☐  
 +2 ☒

Camber Link Spacing: 0

Ball Stud Spacing: 1mm



## Electronics:

Radio:  Servo:   
 EPA: Throttle: % Brake: %  
 ESC:   
 ESC Settings:   
 Motor / Wind:  Timing:   
 Pinion:  Spur:   
 Motor Position: Forward: ☒ Back: ☐  
 Battery Position:  
 Back 1 2 3 4 5 Forward  
 Battery:  Weight:   
 Notes:

## Differential:

	Front	Center	Rear
Fluid:	<u>30K</u>		<u>100K</u>
Gears:	<u>LTC</u>		<u>LTC</u>
Type:	<u>Metal</u>		<u>Metal</u>
Notes:	<u></u>		

## Slipper Clutch:

Type:   
 # of Pads:   
 Setting:   
 Notes:

## Shocks:

	Front	Rear
Piston:	<u>2x1.7</u>	<u>2x1.9</u>
Thickness:	<u>2.5mm</u>	<u>2.5mm</u>
Fluid:	<u>42.5wt</u>	<u>35wt</u>
Spring:	<u>Purple</u>	<u>Orange</u>
Limiters:	Int: <u>2</u> Ext: <u>4</u>	Int: <u>1</u> Ext: <u>2</u>
Stroke:	<u>21mm</u>	<u>27.5mm</u>
Eyelet:	<u>0</u>	<u>0</u>
Cup Offset:	<u>0</u> <u>+5</u> <u>+9</u>	<u>0</u> <u>+5</u> <u>+9</u>
Kashima Bodies:	<input type="checkbox"/>	<input type="checkbox"/>
Chrome Shafts:	<input type="checkbox"/>	<input type="checkbox"/>
Machined Spacers:	<input type="checkbox"/>	<input type="checkbox"/>
Notes:	<u></u>	



## Track Info:

Size:   
 Surface:   
 Traction:   
 Moisture:   
 Condition:   
 Temperature:   
 Notes:

## Tires:

Front Tires:   
 Front Compound:   
 Front Insert:   
 Rear Tires:   
 Rear Compound:   
 Rear Insert:   
 Wheel (F/R):   
 Notes:

## Body, Weight:

Body: B84  
 Front Wing: Nose  
 Rear Wing: B7  
 Rear Wing Mount: 0 -2  
 Wing Angle: 0° 3° 6°  
 Chassis Length: Standard  
 Total Vehicle Weight:   
 Notes:

## Vehicle Comments:

Notes:

## Front Suspension:

Ride Height: \_\_\_\_\_  
 Camber: \_\_\_\_\_  
 Toe: \_\_\_\_\_  
 Anti-Roll Bar: \_\_\_\_\_  
 Arm Type: \_\_\_\_\_  
 Tower Type: \_\_\_\_\_  
 Wheelbase Shim: \_\_\_\_\_  
 Wheel Hex: \_\_\_\_\_  
 Steering Block Type: \_\_\_\_\_  
 Caster Block: 6° ☐ 7° ☐ 8° ☐ 9° ☐ 10° ☐  
 Chassis Brace Material: \_\_\_\_\_  
 Top Plate Brace Material: \_\_\_\_\_  
 Front Axles: CVA ☐ DCV ☐  
 Notes: \_\_\_\_\_

Lower Brace Type: Fixed ☐ Pivot ☐



Ball Stud Spacing: \_\_\_\_\_

Arm Mount A: 1° ☐ 0.5° ☐  
 Gray ☐ Black ☐



Arm Mount B: 1° ☐ 0.5° ☐  
 Gray ☐ Black ☐



Diff Height:

+3 ☐  
 +2 ☐  
 +1 ☐  
 +0 ☐

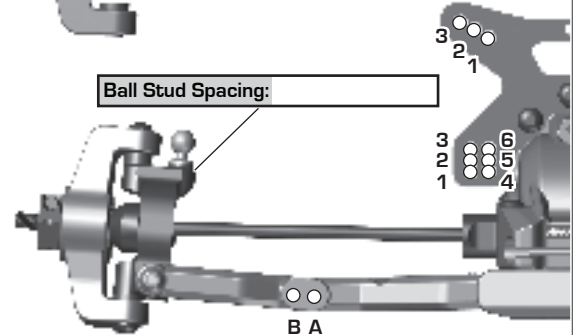
Axle Height:

+3 ☐ +2 ☐ +1 ☐ 0 ☐

Ball Stud Spacing: \_\_\_\_\_

Steering Plate: \_\_\_\_\_

Ball Stud Spacing: \_\_\_\_\_



B A

## Rear Suspension:

Ride Height: \_\_\_\_\_  
 Camber: \_\_\_\_\_  
 Anti-Roll Bar: \_\_\_\_\_  
 Arm Type: \_\_\_\_\_  
 Tower Type: \_\_\_\_\_  
 Wheelbase Shim: \_\_\_\_\_  
 Wheel Hex: \_\_\_\_\_  
 Hub Type: \_\_\_\_\_  
 Drive Shaft Type: \_\_\_\_\_  
 Chassis Brace Material: \_\_\_\_\_  
 Upper Chassis Brace Material: \_\_\_\_\_  
 Hub Spacing: Fwd ☐ Mid ☐ Back ☐  
 Notes: \_\_\_\_\_

Lower Brace Type: Fixed ☐ Pivot ☐



Rear Chassis Brace Screws: \_\_\_\_\_

Arm Mount C: 1° ☐ 0.5° ☐  
 Gray ☐ Black ☐



Arm Mount D: 1° ☐ 0.5° ☐  
 Gray ☐ Black ☐



Axle Height:

▼0 3▲ +3  
 ▼1 2▲ +2  
 ▲1 2▼ +1  
 ▲0 3▼ +0

Diff Height:

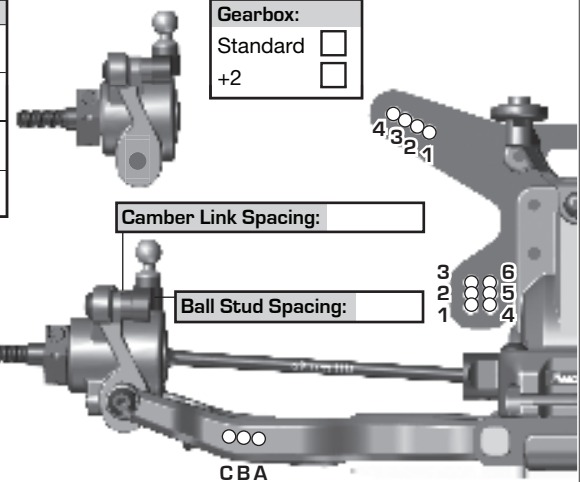
+3 ☐  
 +2 ☐  
 +1 ☐  
 +0 ☐

Gearbox:

Standard ☐  
 +2 ☐

Camber Link Spacing: \_\_\_\_\_

Ball Stud Spacing: \_\_\_\_\_



C B A

## Electronics:

Radio: \_\_\_\_\_ Servo: \_\_\_\_\_  
 EPA: Throttle: \_\_\_\_\_ % Brake: \_\_\_\_\_ %  
 ESC: \_\_\_\_\_  
 ESC Settings: \_\_\_\_\_  
 Motor / Wind: \_\_\_\_\_ Timing: \_\_\_\_\_  
 Pinion: \_\_\_\_\_ Spur: \_\_\_\_\_  
 Motor Position: Forward ☐ Back ☐  
 Battery Position: \_\_\_\_\_  
 Back 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ Forward  
 Battery: \_\_\_\_\_ Weight: \_\_\_\_\_  
 Notes: \_\_\_\_\_

## Differential:

	Front	Center	Rear
Fluid:	_____	_____	_____
Gears:	_____	_____	_____
Type:	_____	_____	_____
Notes:	_____		

## Slipper Clutch:

Type: \_\_\_\_\_  
 # of Pads: \_\_\_\_\_  
 Setting: \_\_\_\_\_  
 Notes: \_\_\_\_\_

## Shocks:

	Front	Rear
Piston:	_____	_____
Thickness:	_____	_____
Fluid:	_____	_____
Spring:	_____	_____
Limiters:	Int: _____ Ext: _____	Int: _____ Ext: _____
Stroke:	_____	_____
Eyelet:	_____	_____
Cup Offset:	0 <input type="checkbox"/> +5 <input type="checkbox"/> +9 <input type="checkbox"/>	0 <input type="checkbox"/> +5 <input type="checkbox"/> +9 <input type="checkbox"/>
Kashima Bodies:	<input type="checkbox"/>	Chrome Shafts: <input type="checkbox"/> Machined Spacers: <input type="checkbox"/>
Notes:	_____	



Stroke

## Track Info:

Size: \_\_\_\_\_  
 Surface: \_\_\_\_\_  
 Traction: \_\_\_\_\_  
 Moisture: \_\_\_\_\_  
 Condition: \_\_\_\_\_  
 Temperature: \_\_\_\_\_  
 Notes: \_\_\_\_\_

## Tires:

Front Tires: \_\_\_\_\_  
 Front Compound: \_\_\_\_\_  
 Front Insert: \_\_\_\_\_  
 Rear Tires: \_\_\_\_\_  
 Rear Compound: \_\_\_\_\_  
 Rear Insert: \_\_\_\_\_  
 Wheel (F/R): \_\_\_\_\_  
 Notes: \_\_\_\_\_

## Body, Weight:

Body: \_\_\_\_\_  
 Front Wing: \_\_\_\_\_  
 Rear Wing: \_\_\_\_\_  
 Rear Wing Mount: 0 ☐ -2 ☐  
 Wing Angle: 0° ☐ 3° ☐ 6° ☐  
 Chassis Length: \_\_\_\_\_  
 Total Vehicle Weight: \_\_\_\_\_  
 Notes: \_\_\_\_\_

## Vehicle Comments:

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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