

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



# TEAM ASSOCIATED



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

#90051 RC10B84D Off Road Buggy Team Kit



CHAMPIONS by DESIGN

[AssociatedElectrics.com](http://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.

## ⚡ RC10B84D 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
- AA-size batteries for transmitter
- Electronic Speed Control ("ESC")
- Steering servo
- R/C electric motor
- Pinion gear, size determined by type/turn or kV of motor
- Battery charger (a peak detection charger, or LiPo compatible charger)
- 2 cell LiPo battery pack
- Polycarbonate specific spray paint
- Cyanoacrylate glue ("CA") (#1697)
- Thread locking compound (#1596)
- Tires and Inserts, Fronts and Rears

## ⚡ Other Helpful Items

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

Associated Electrics, Inc.  
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## :: 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)
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### 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.



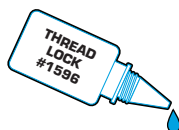
This symbol indicates there are optional FT parts available



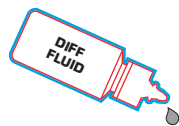
This symbol indicates a Racers Tip.



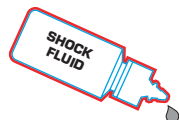
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.



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



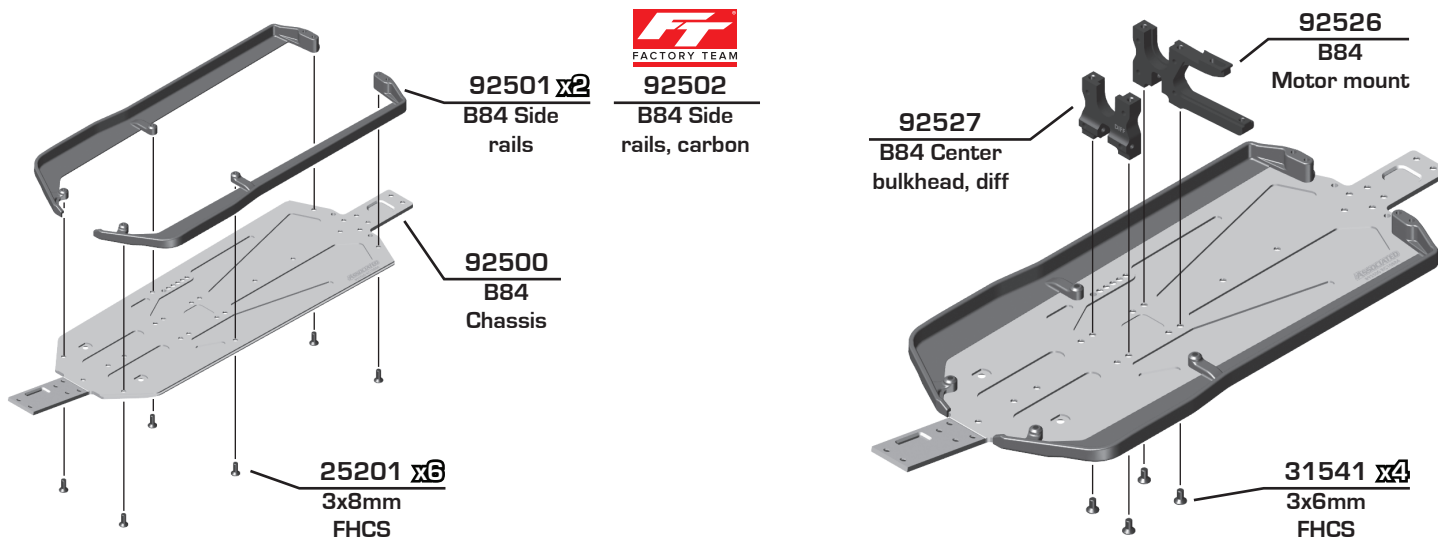
This symbol indicates where Black Grease should be applied.



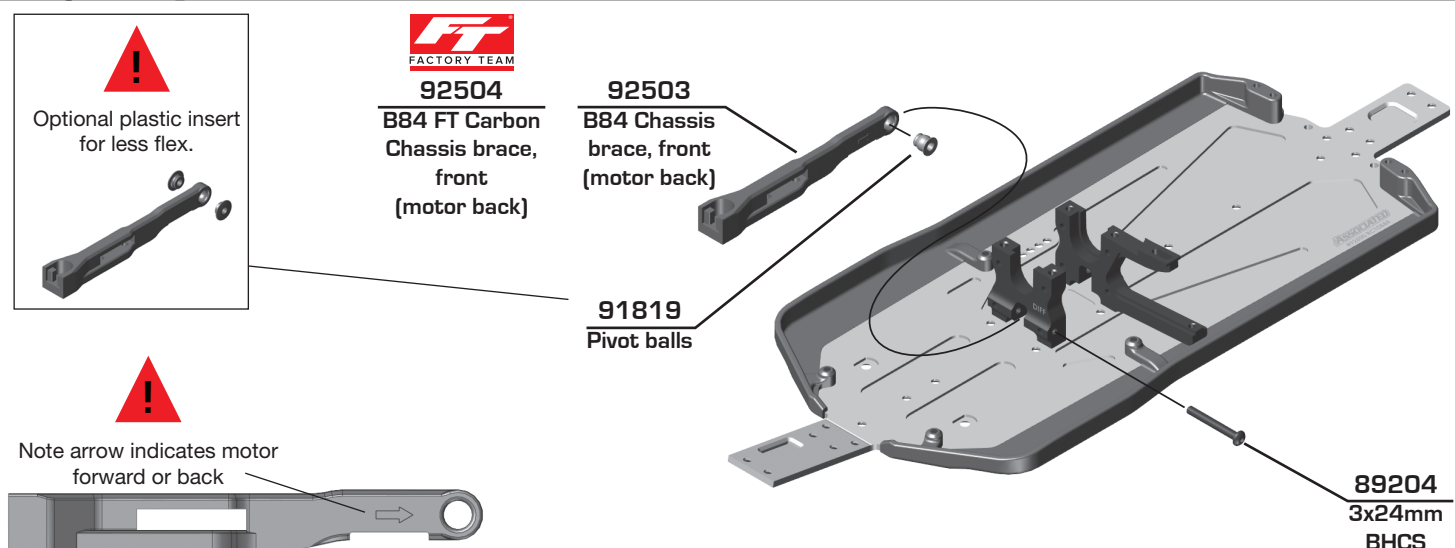
This symbol indicates where Green Slime can be applied. \*not included



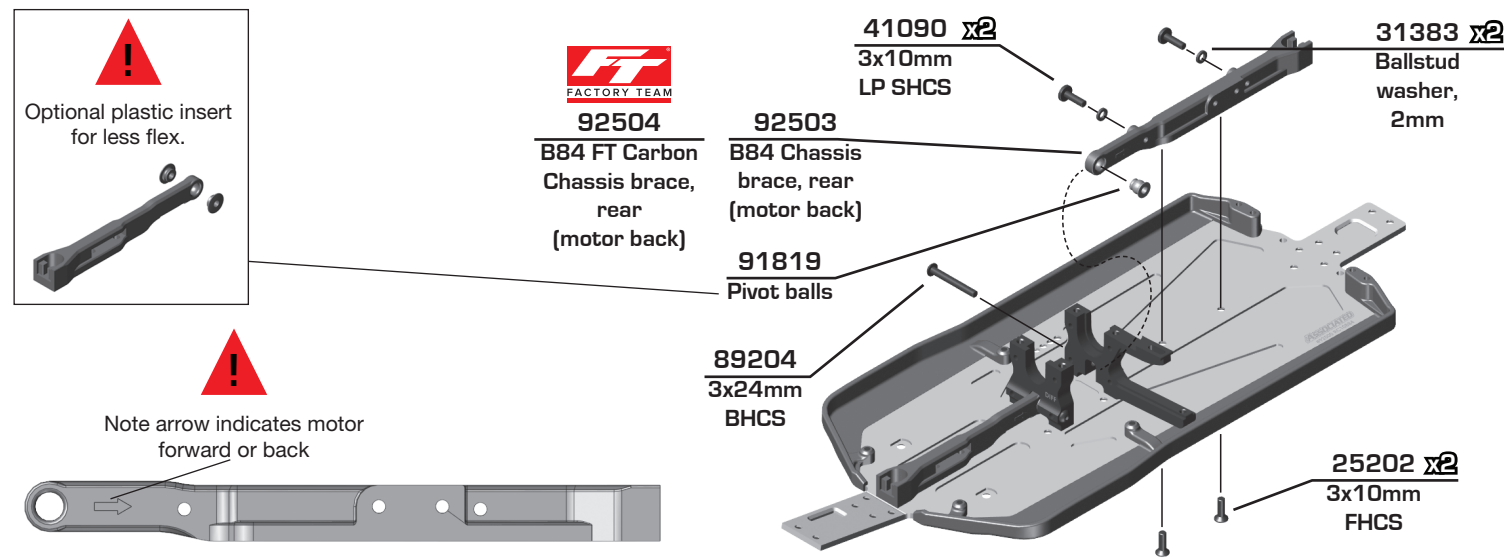
## :: Bag 1 - Step 1



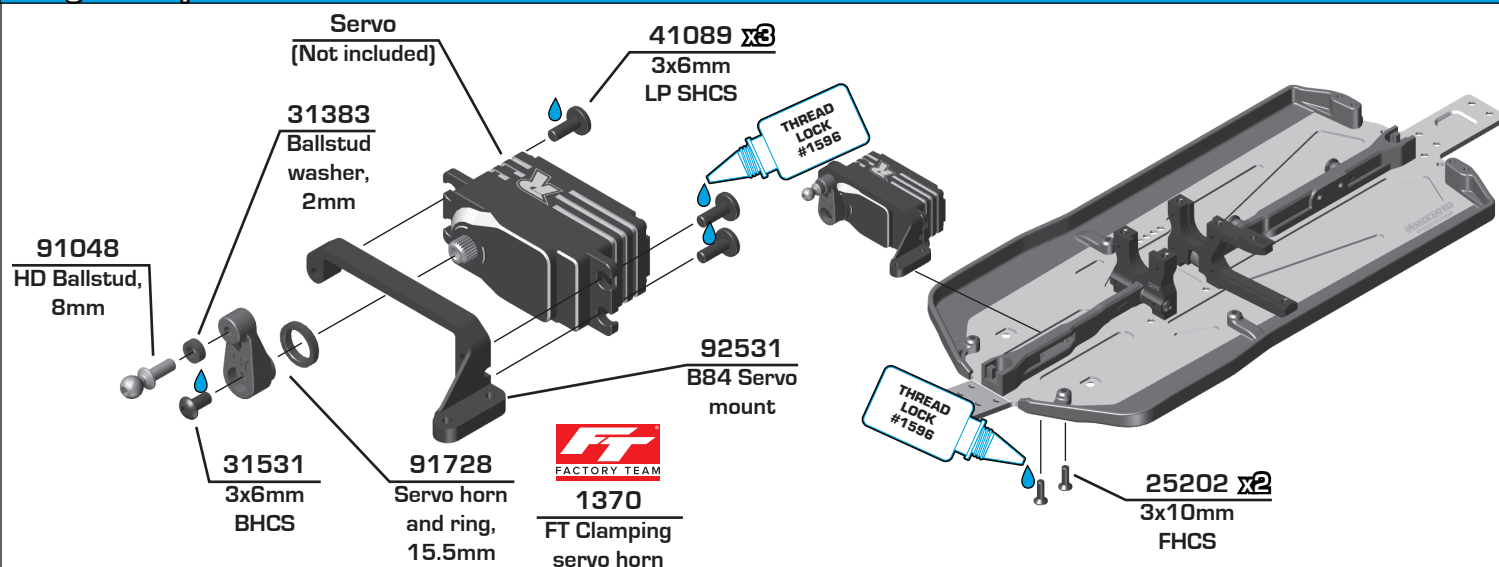
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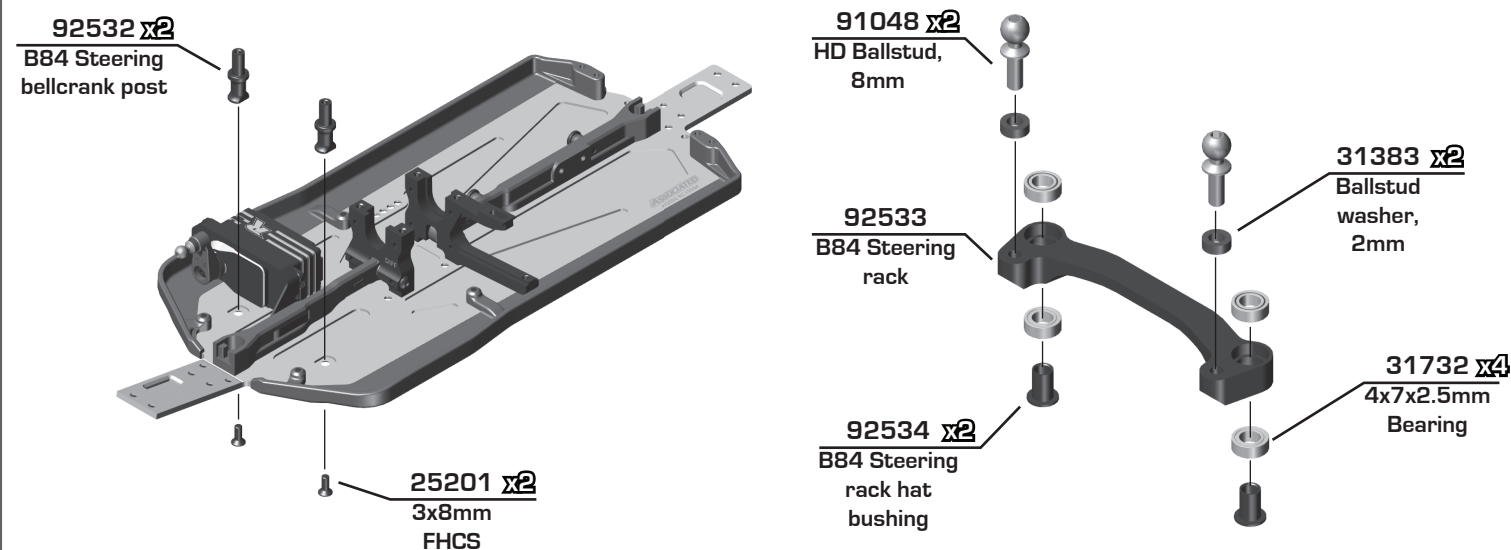
## :: Bag 1 - Step 3



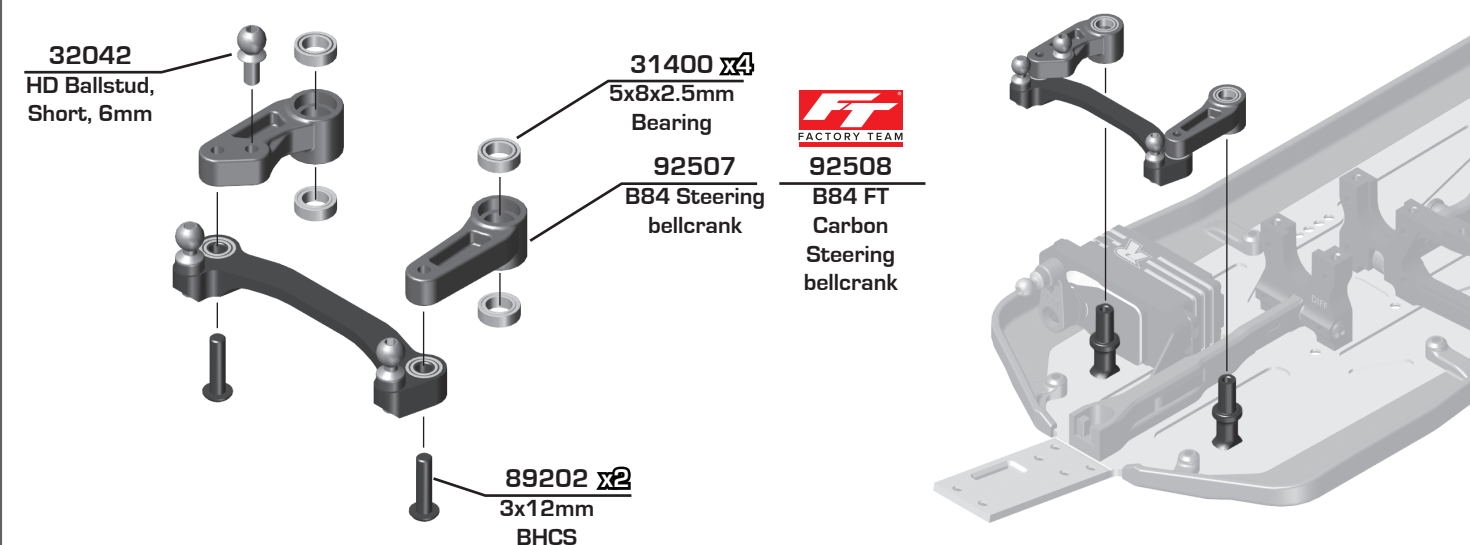
## :: Bag 1 - Step 4



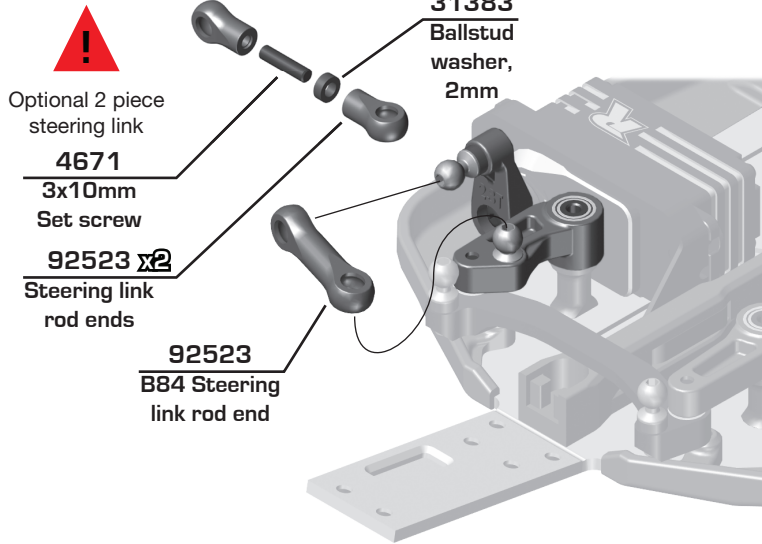
## :: Bag 1 - Step 5



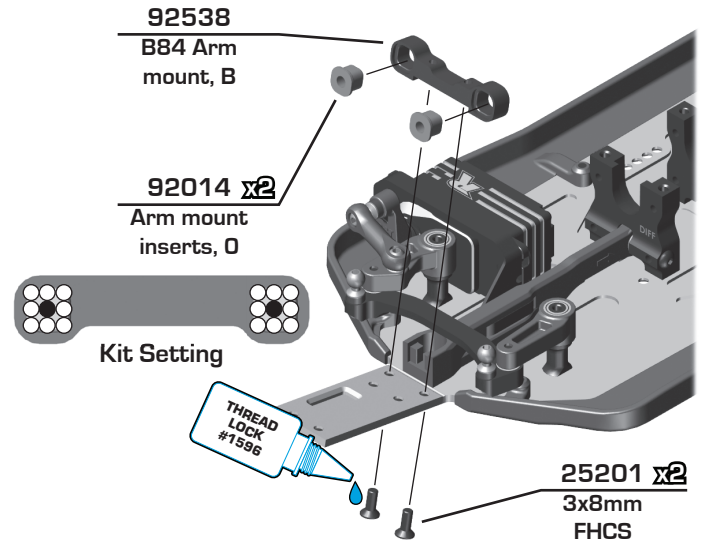
## :: Bag 1 - Step 6



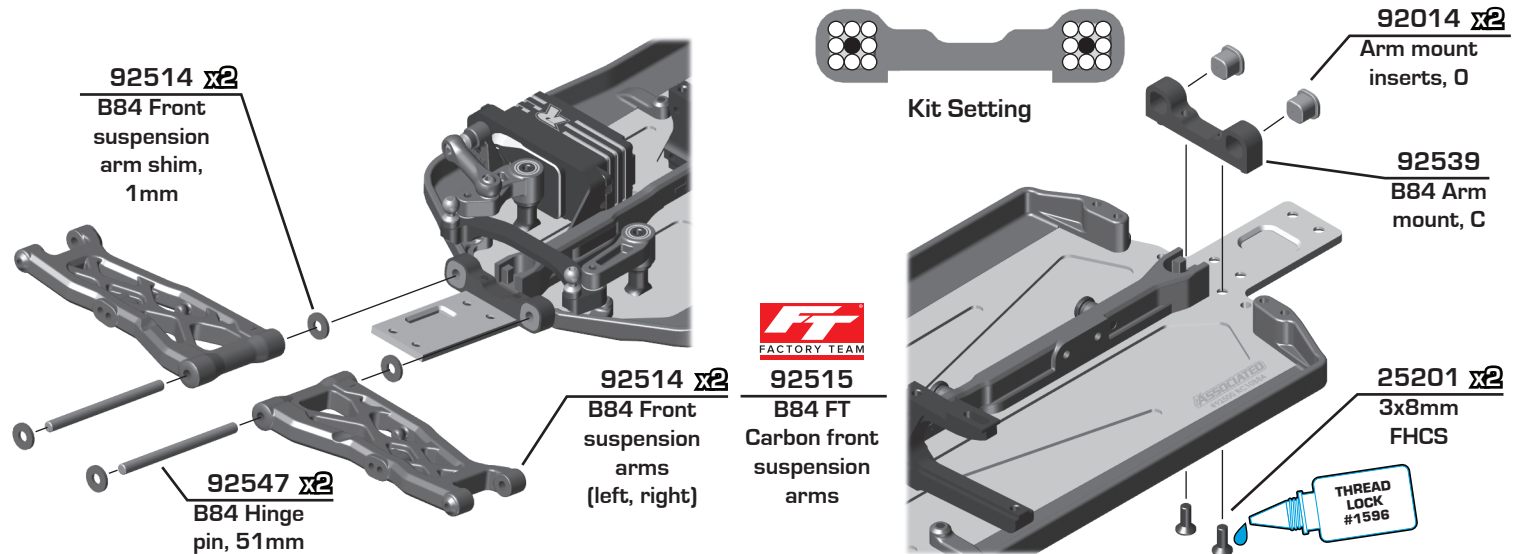
### :: Bag 1 - Step 7



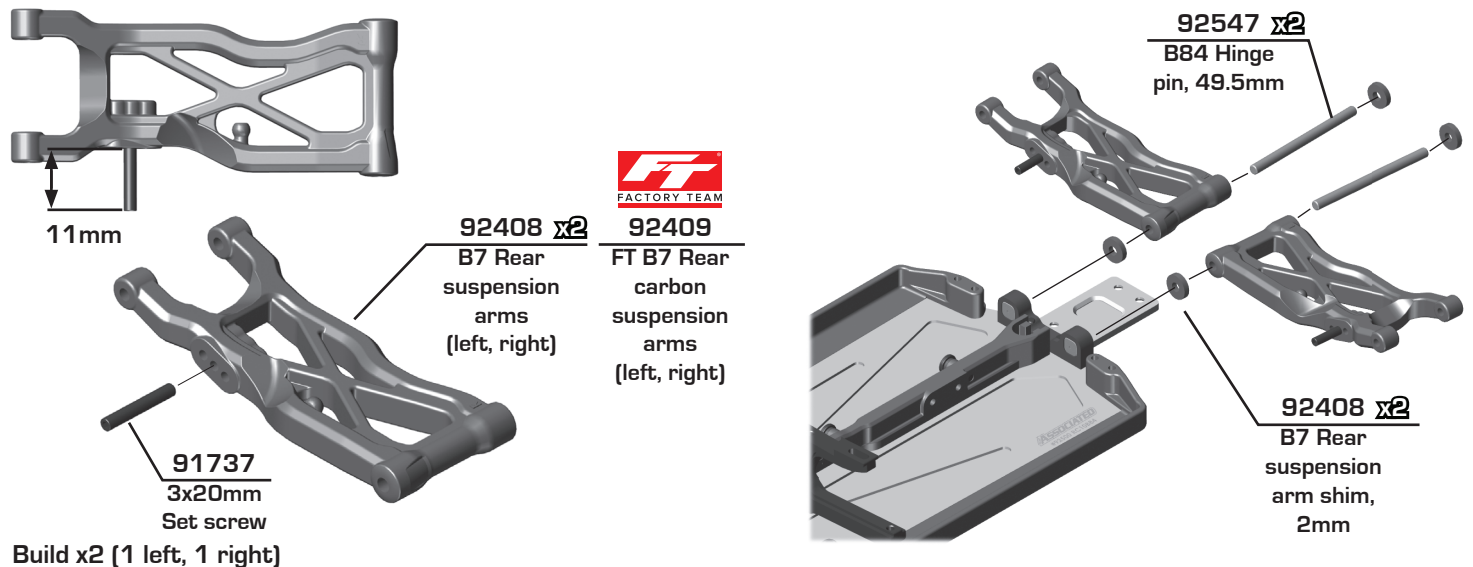
### :: Bag 2 - Step 1



### :: Bag 2 - Step 2

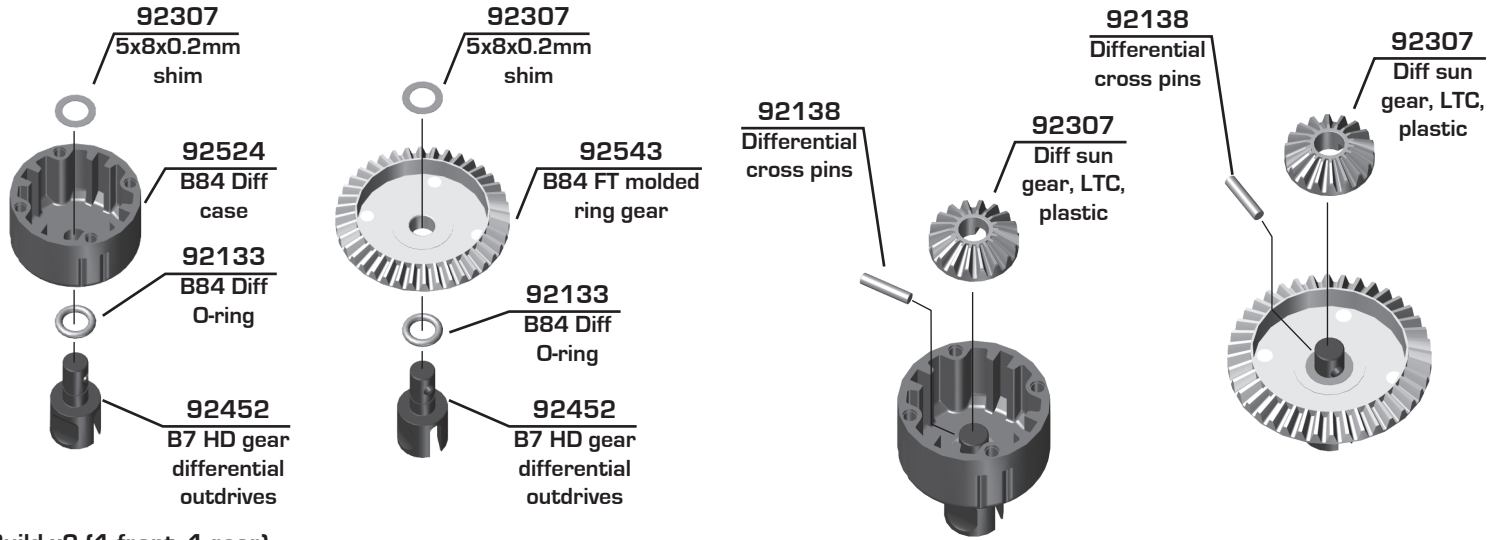


### :: Bag 2 - Step 3

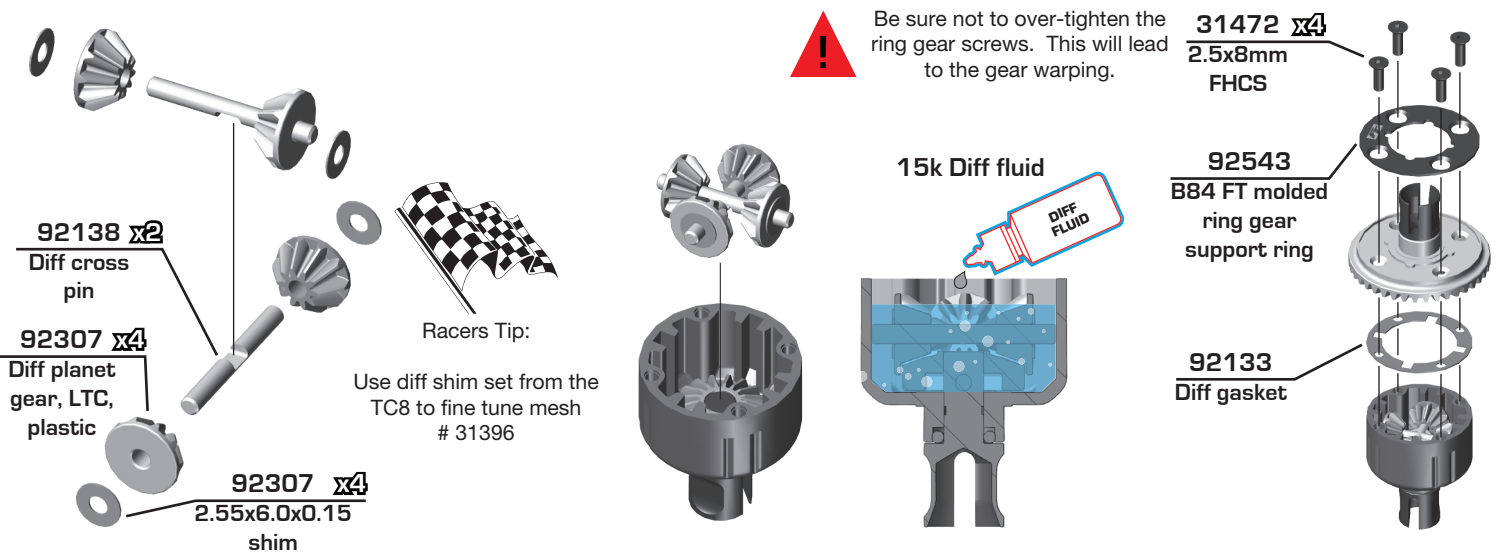




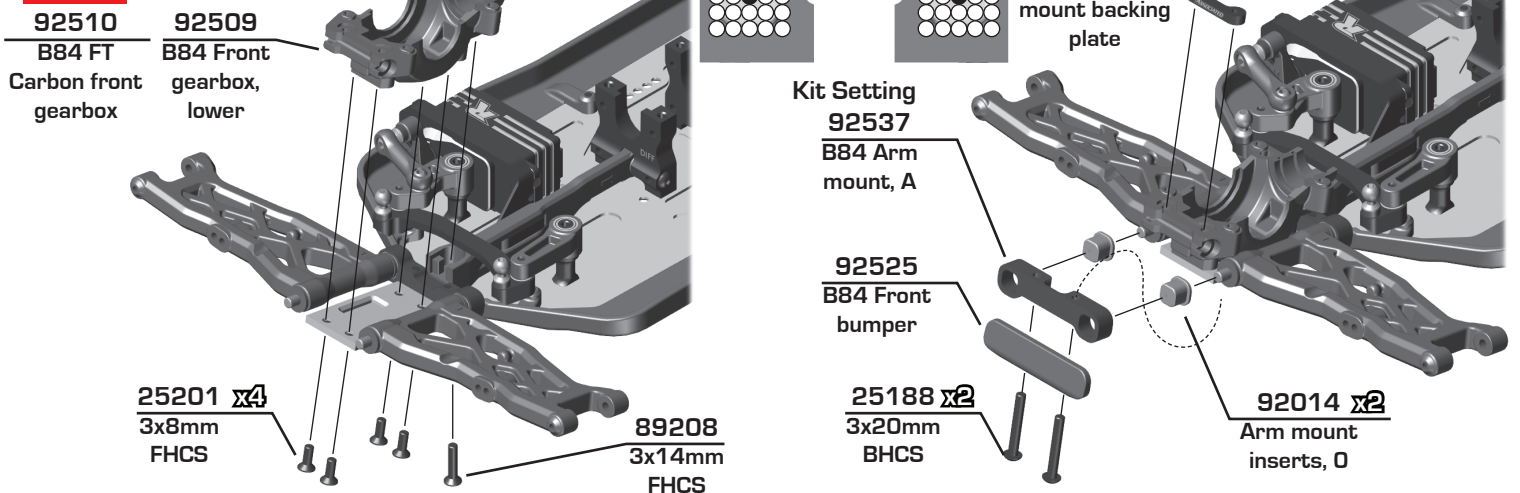
### Bag 3 - Step 1



### 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  
#9588

**92218**  
Center CVA  
bones, 64mm

**91438**  
CVA pin



**92372**  
FT Lightweight  
driveline center  
kt

**92324 x2**  
5x10x4mm  
flanged  
bearing

**92216**  
CVA cup, center,  
aluminum

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

**92543**  
B84 Pinion  
gear, molded

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

## 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

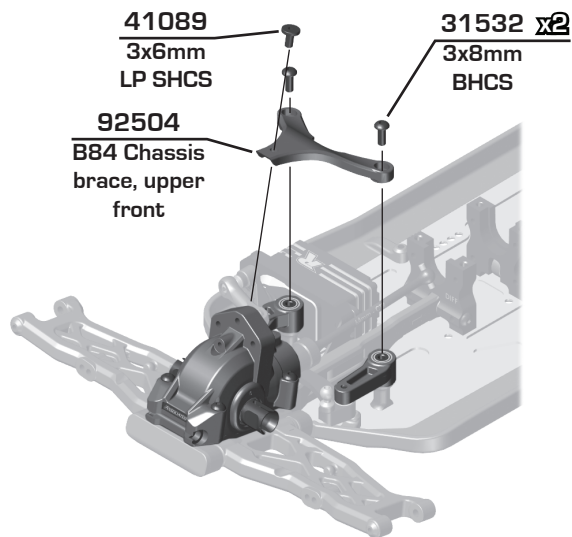
**89202 x4**  
3x12mm  
BHCS

**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.

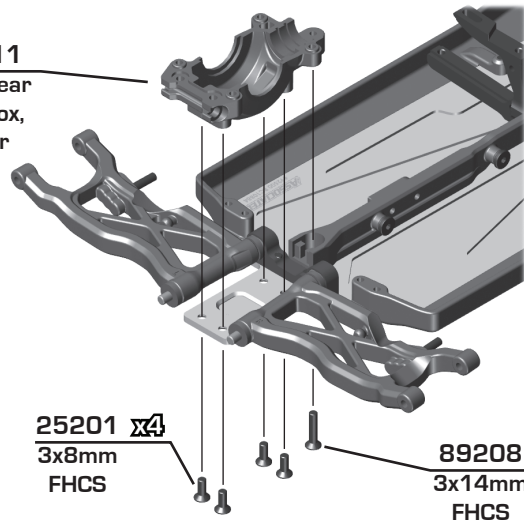
Take extra care not to strip these screw holes out. Stripping the plastic will result in premature failure.

### Bag 4 - Step 5



92512  
B84 FT  
Carbon rear  
gearbox

92511  
B84 Rear  
gearbox,  
lower



### Bag 4 - Step 6



Kit Setting

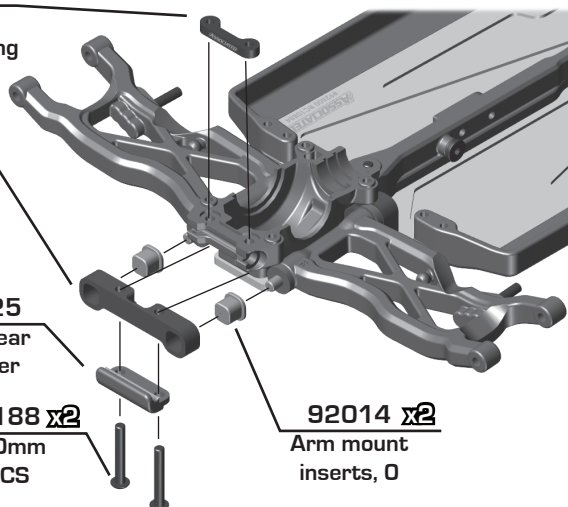
92541  
B84 Arm  
mount backing  
plate

92540  
B84 Arm  
mount, D

92525  
B84 Rear  
bumper

25188 x2  
3x20mm  
BHCS

92014 x2  
Arm mount  
inserts, D



### Bag 4 - Step 7



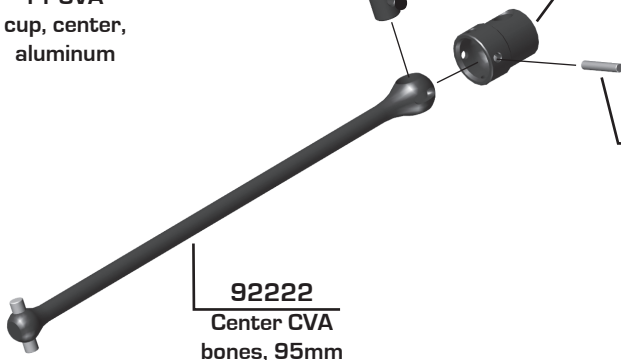
92264  
FT CVA  
cup, center,  
aluminum

91438  
CVA barrel



92215  
Center CVA  
input coupler

91438  
CVA pin



92324 x2  
5x10x4mm  
flanged  
bearing

92216  
CVA cup, center,  
aluminum

92543  
B84 Pinion  
gear, molded

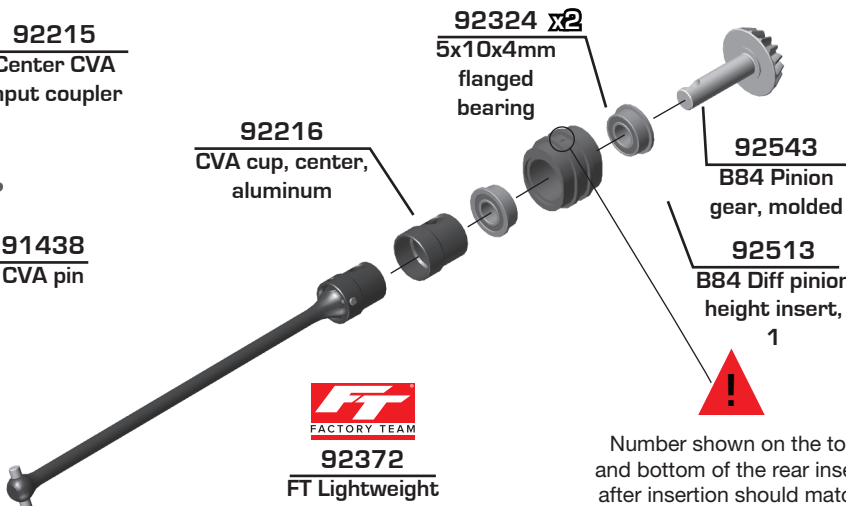
92513  
B84 Diff pinion  
height insert,  
1



Number shown on the top  
and bottom of the rear insert  
after insertion should match  
the diff height desired.  
Kit setup: "1"

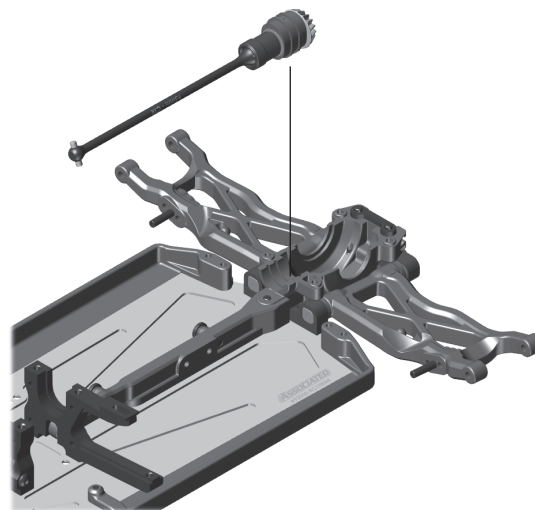
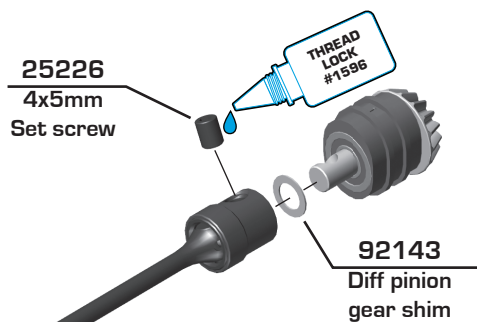


92372  
FT Lightweight  
driveline center  
kt

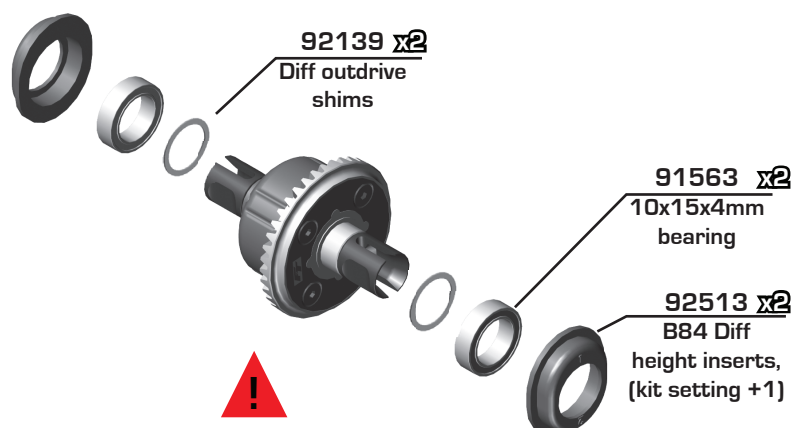




### :: Bag 4 - Step 8



### :: Bag 4 - Step 9



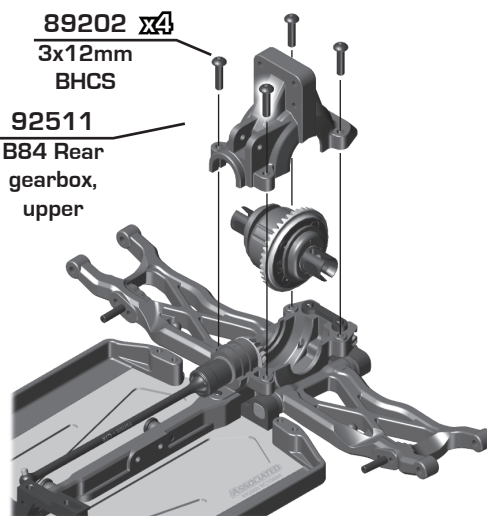
Start by shimming the diff with one shim on either side of the diff. If the diff is tight when inserted into the gearbox, remove one shim from the ring gear side and add it to the diff case side.



92512  
B84 FT  
Carbon rear  
gearbox

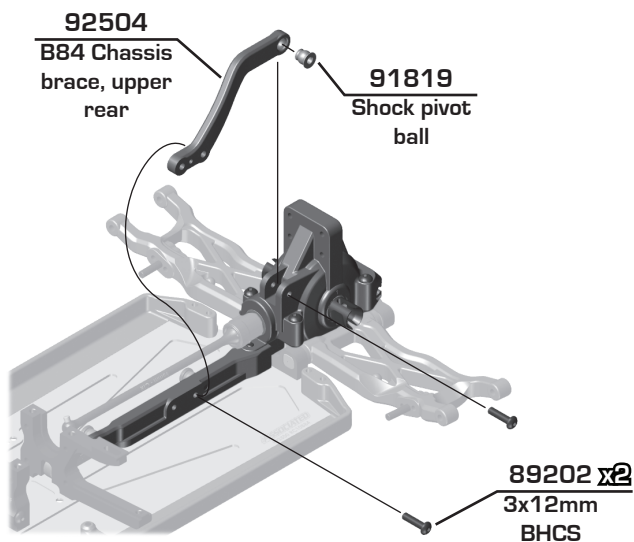
89202 x4  
3x12mm  
BHCS

92511  
B84 Rear  
gearbox,  
upper

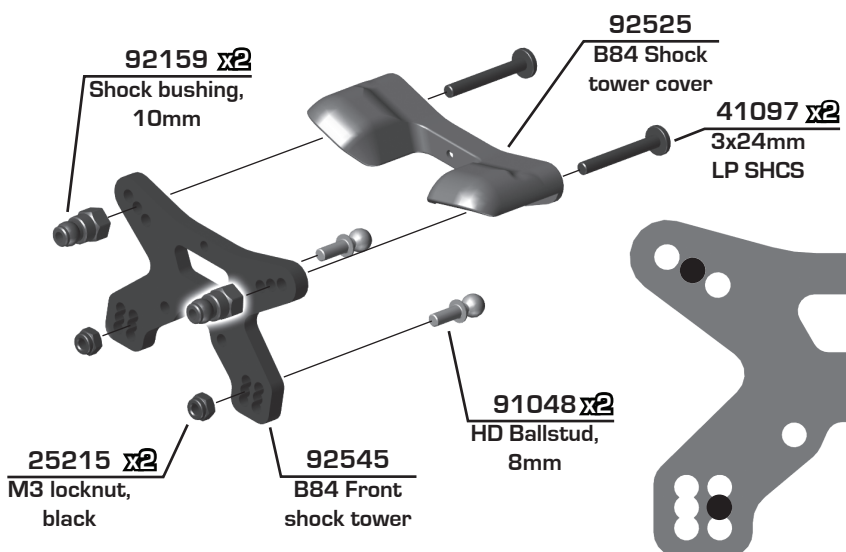


Take extra care not to strip these screw holes out. Stripping the plastic will result in premature failure.

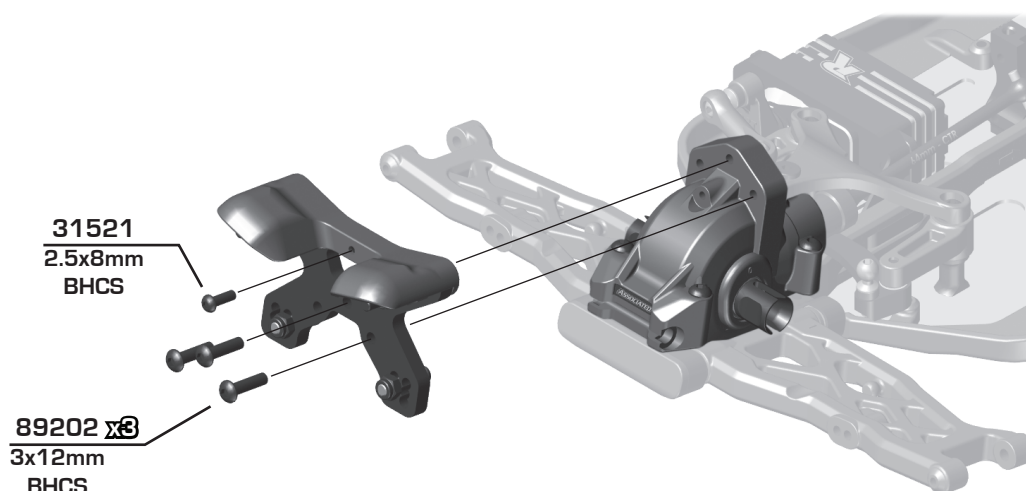
### :: Bag 4 - Step 10



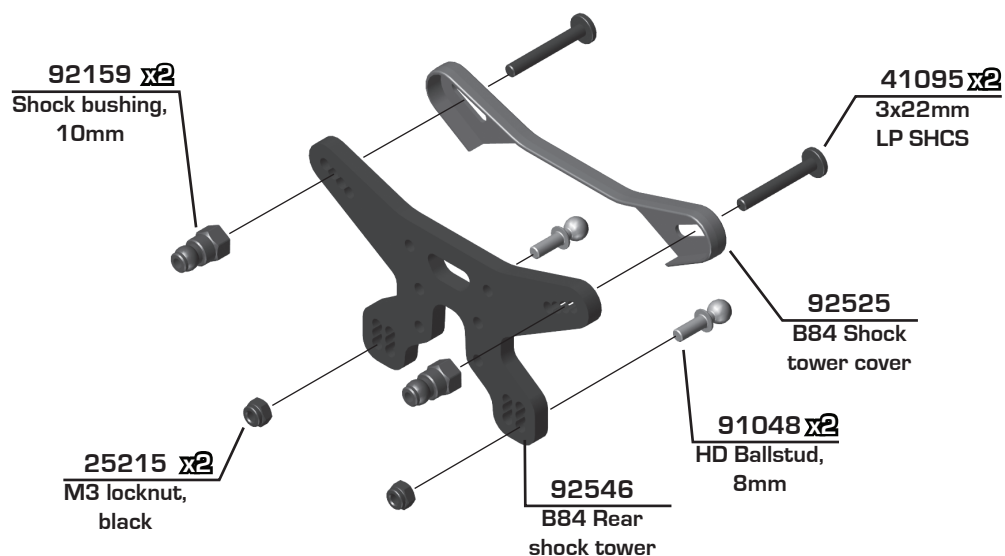
### :: Bag 5 - Step 1



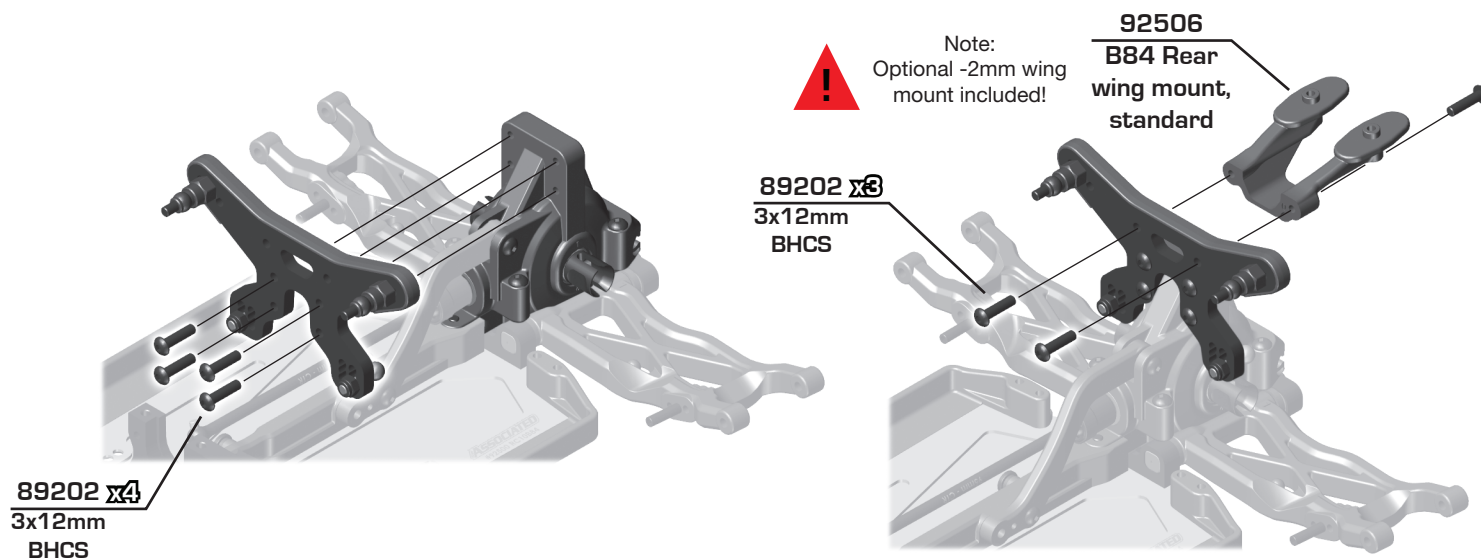
### Bag 5 - Step 2



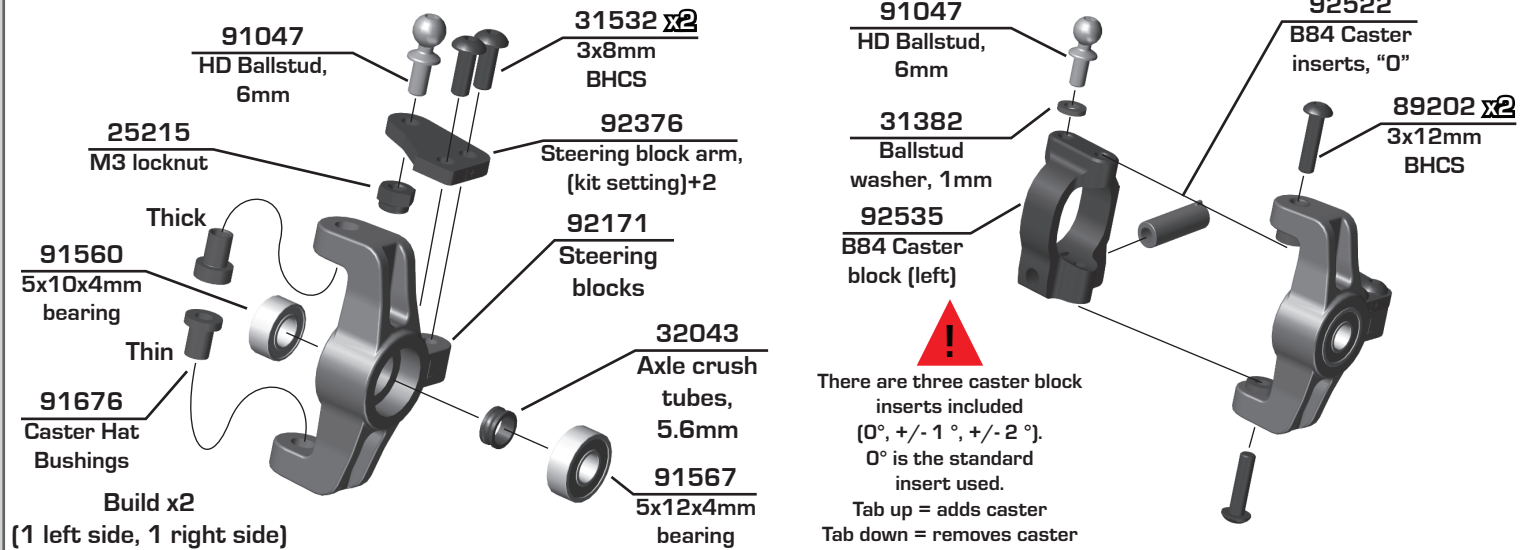
### Bag 5 - Step 3



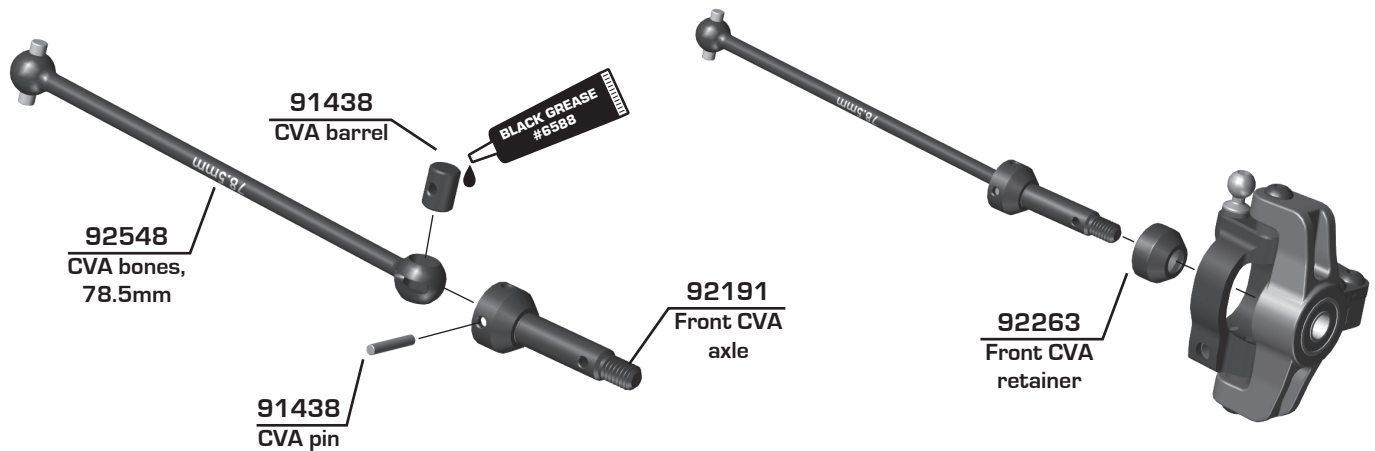
### Bag 5 - Step 4



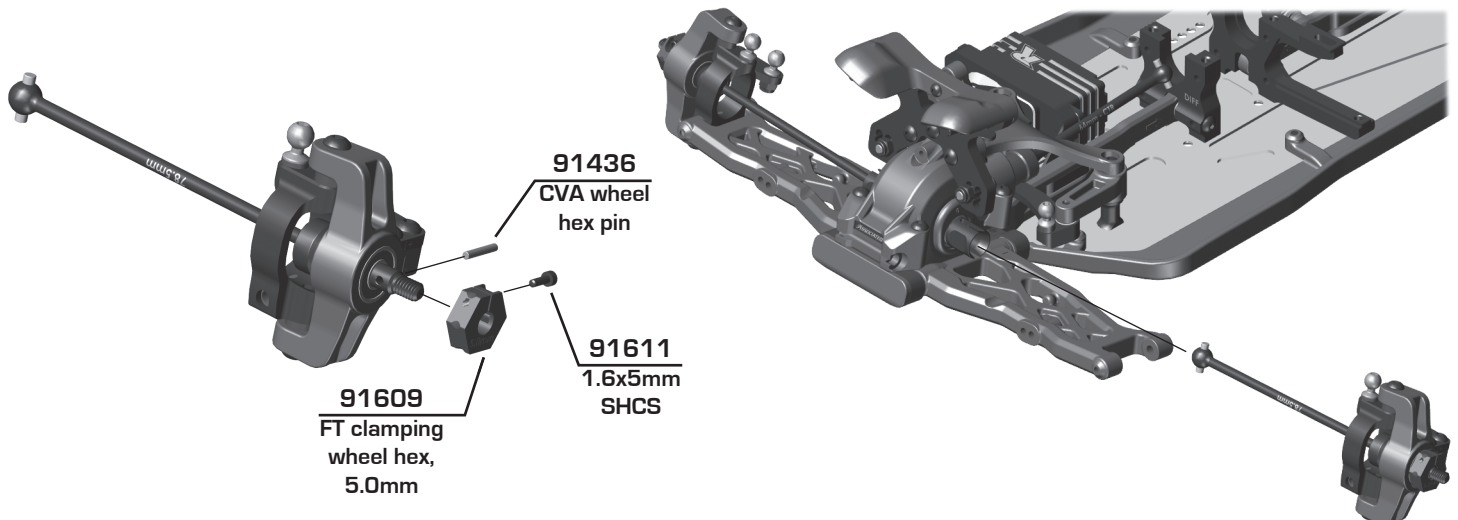
### Bag 6 - Step 1



### Bag 6 - Step 2

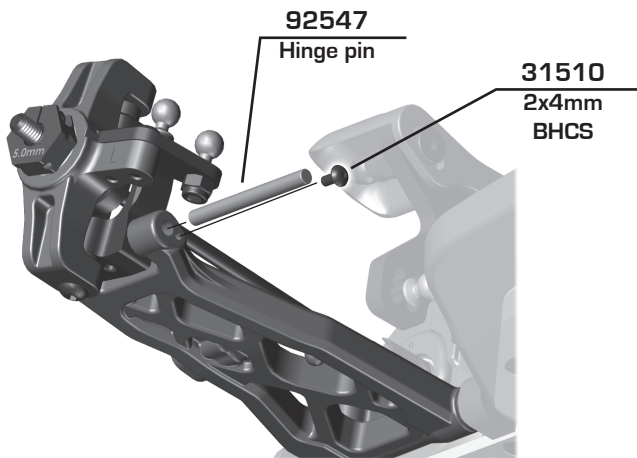


### Bag 6 - Step 3

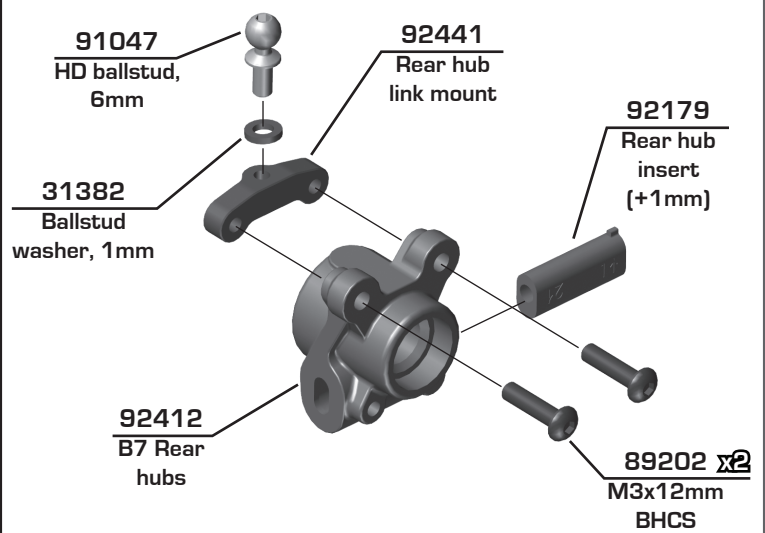




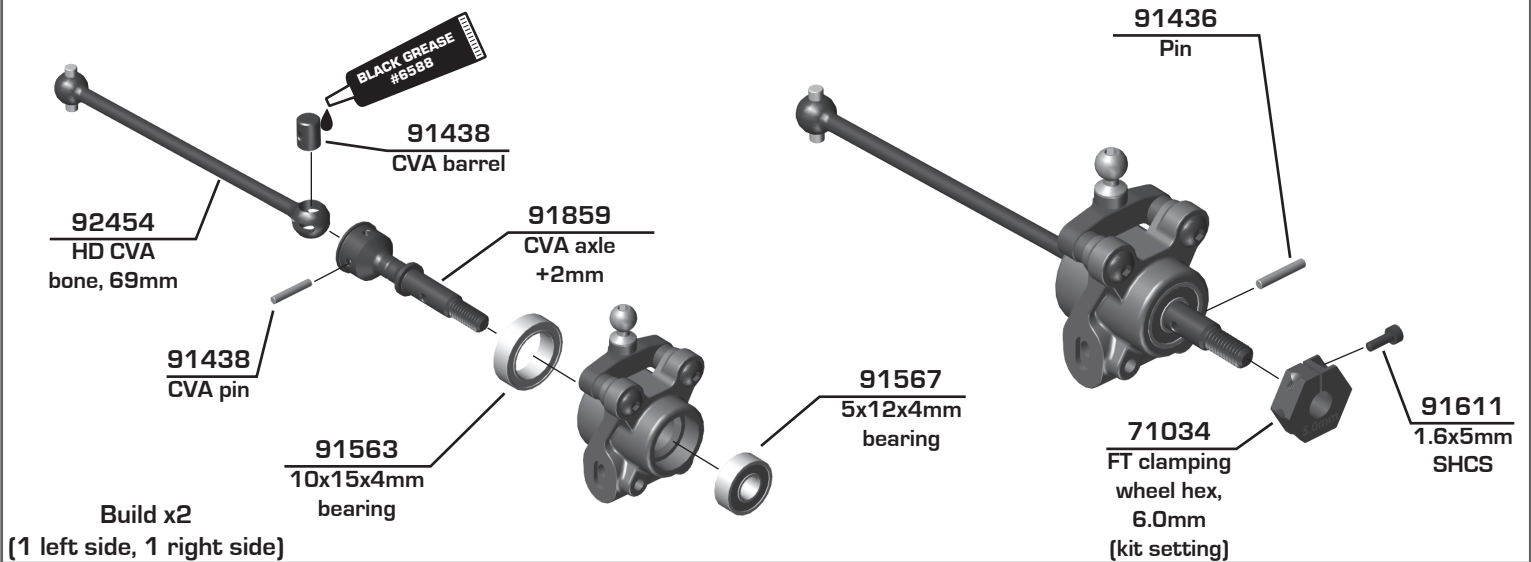
## :: Bag 6 - Step 4



## :: Bag 7 - Step 1

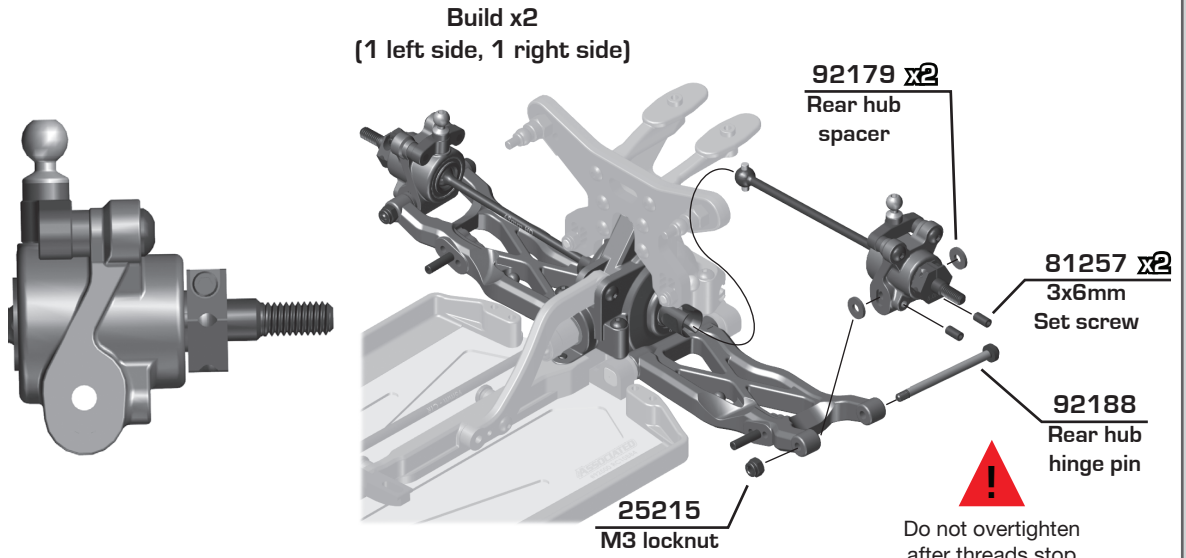


## :: Bag 7 - Step 2

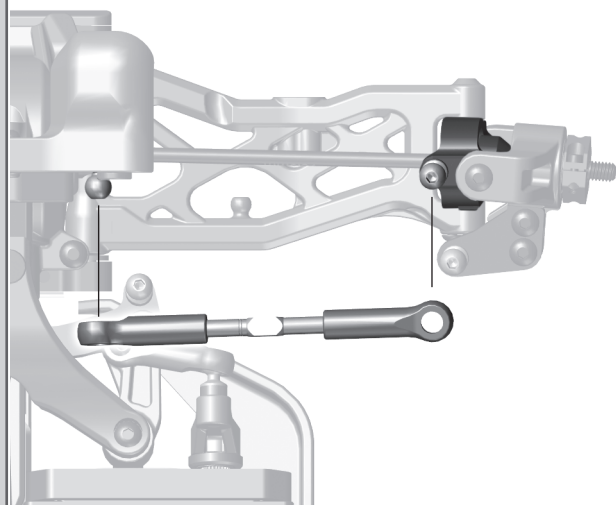


## :: Bag 7 - Step 3

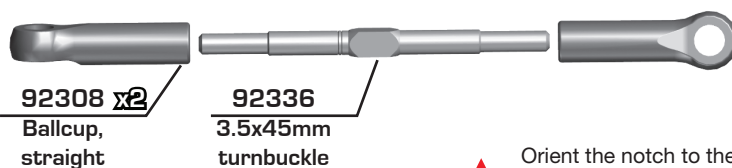
Rear Axle Height			
	↓ 0	3 ↑	+3mm
	↓ 1	2 ↑	+2mm
	↑ 1	2 ↓	+1mm
	↑ 0	3 ↓	+0mm



### :: Bag 8 - Step 1



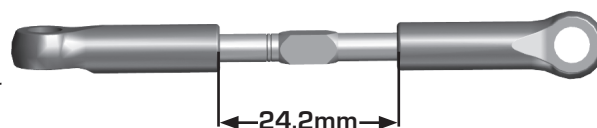
Build x2 (1 left side, 1 right side)



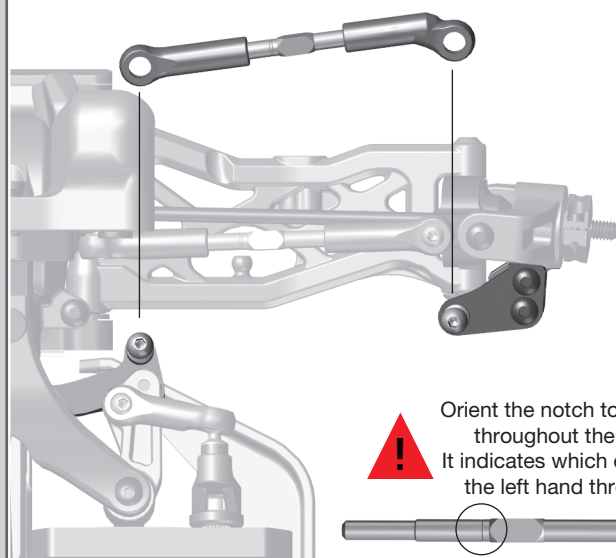
! Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



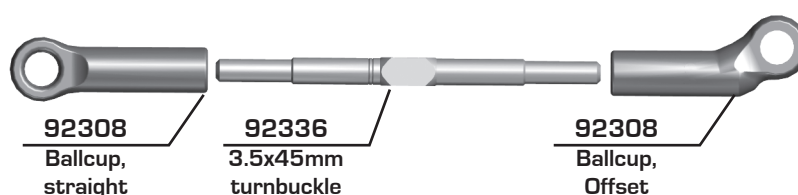
! Note:  
All turnbuckle inner  
measurements are  
approximate.



### :: Bag 8 - Step 2



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



Left



Right

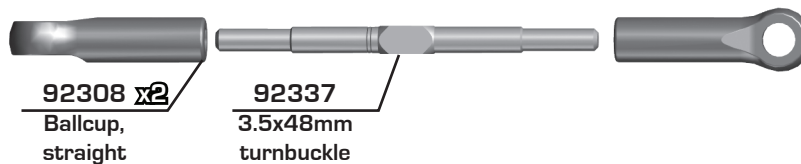
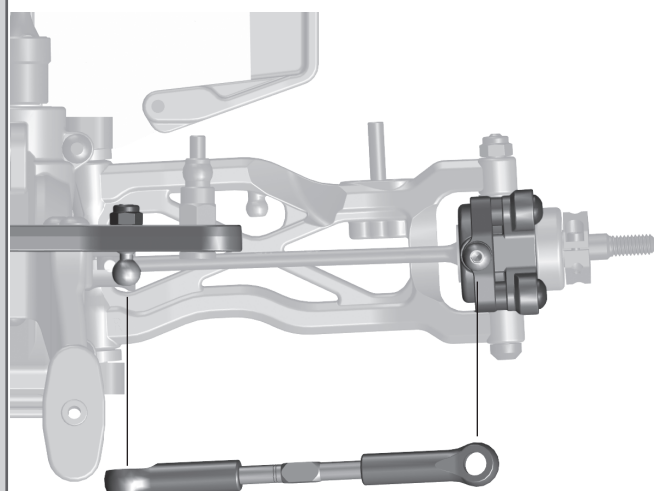


21.2mm

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

Build x2 (1 left side, 1 right side)

### :: Bag 8 - Step 3

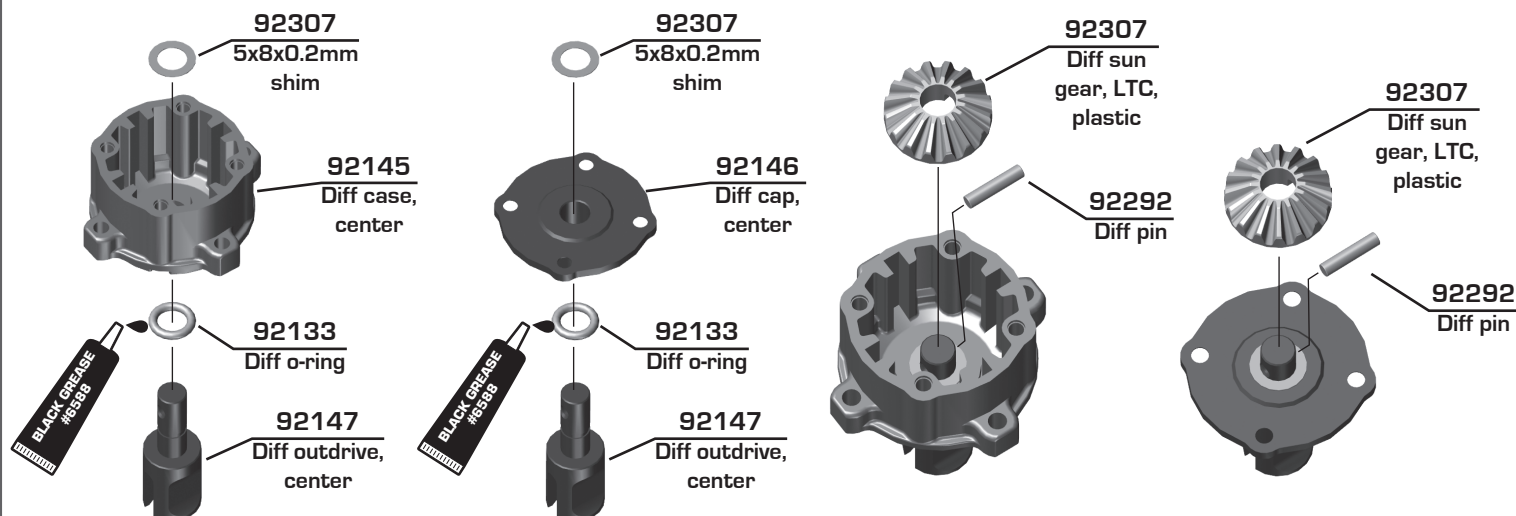


Build x2 (1 left side, 1 right side)

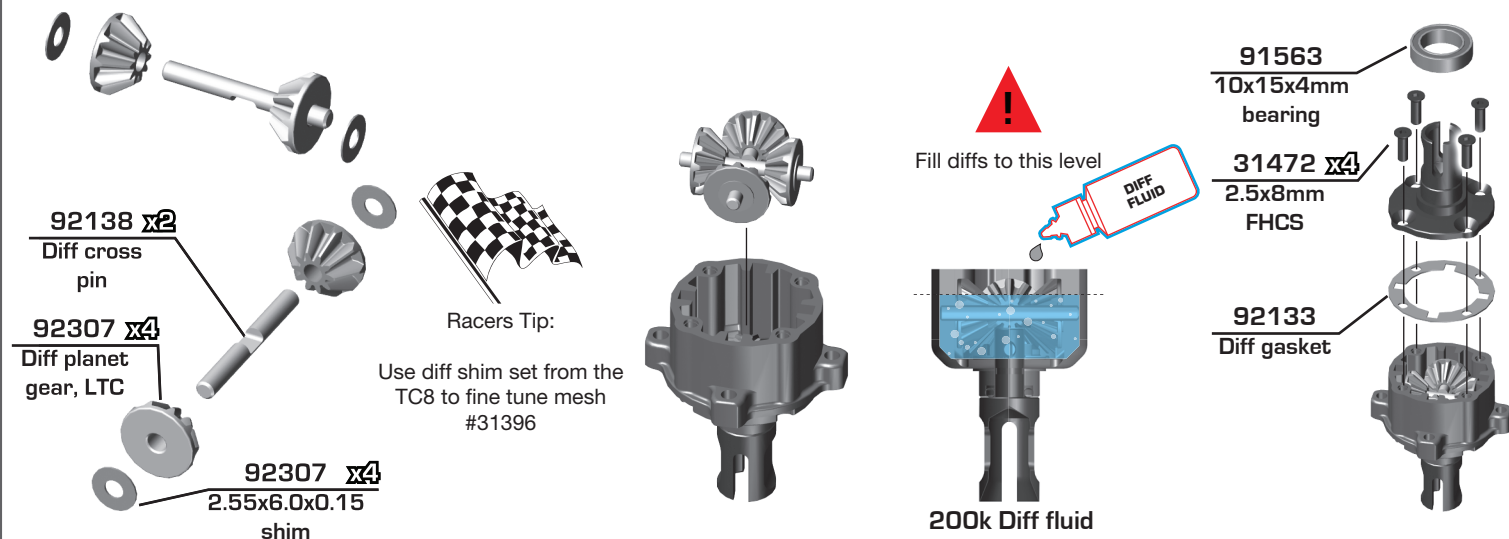
! Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



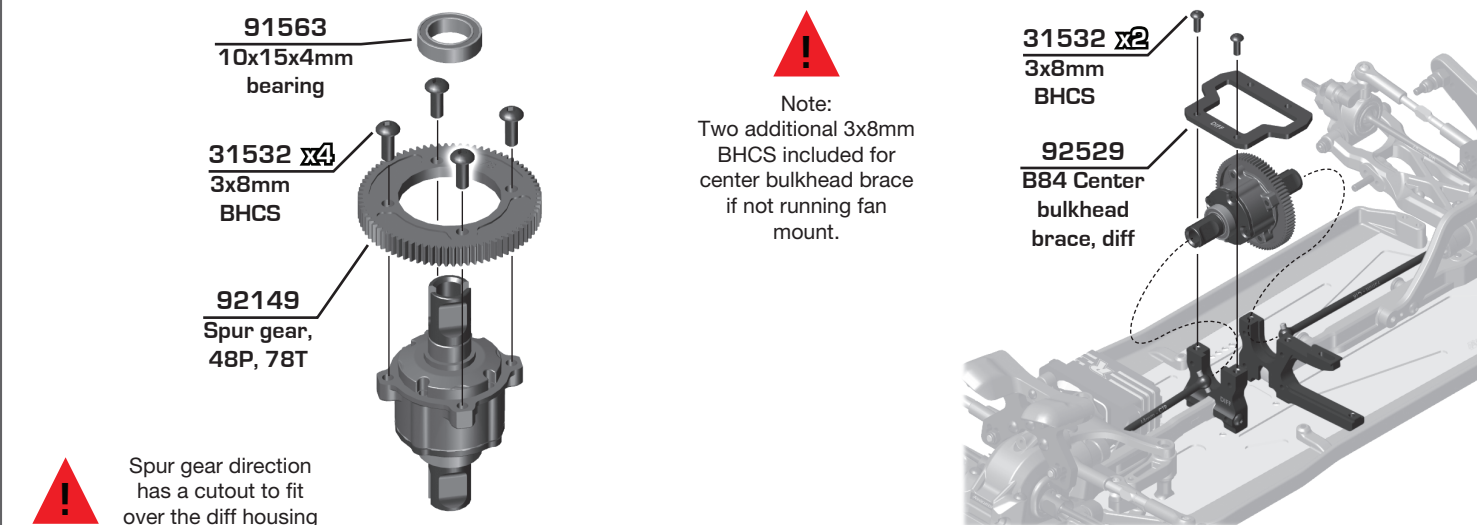
## Bag 9 - Step 1



## Bag 9 - Step 2

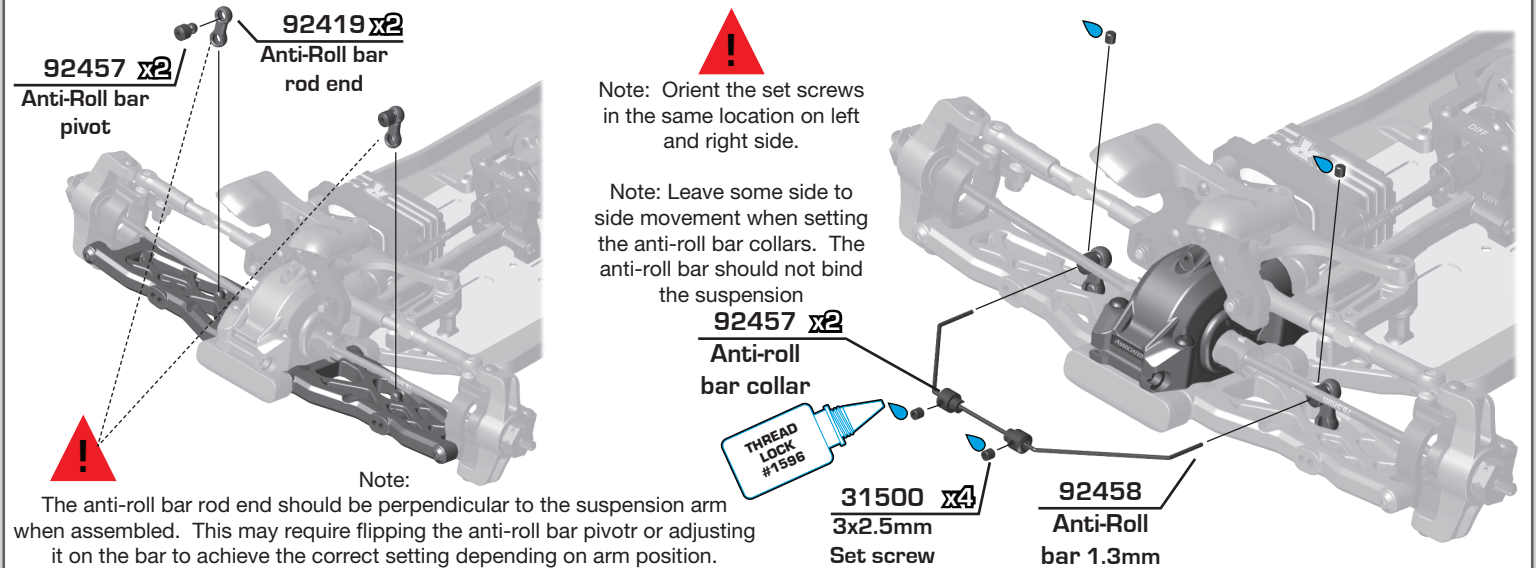


## Bag 9 - Step 3

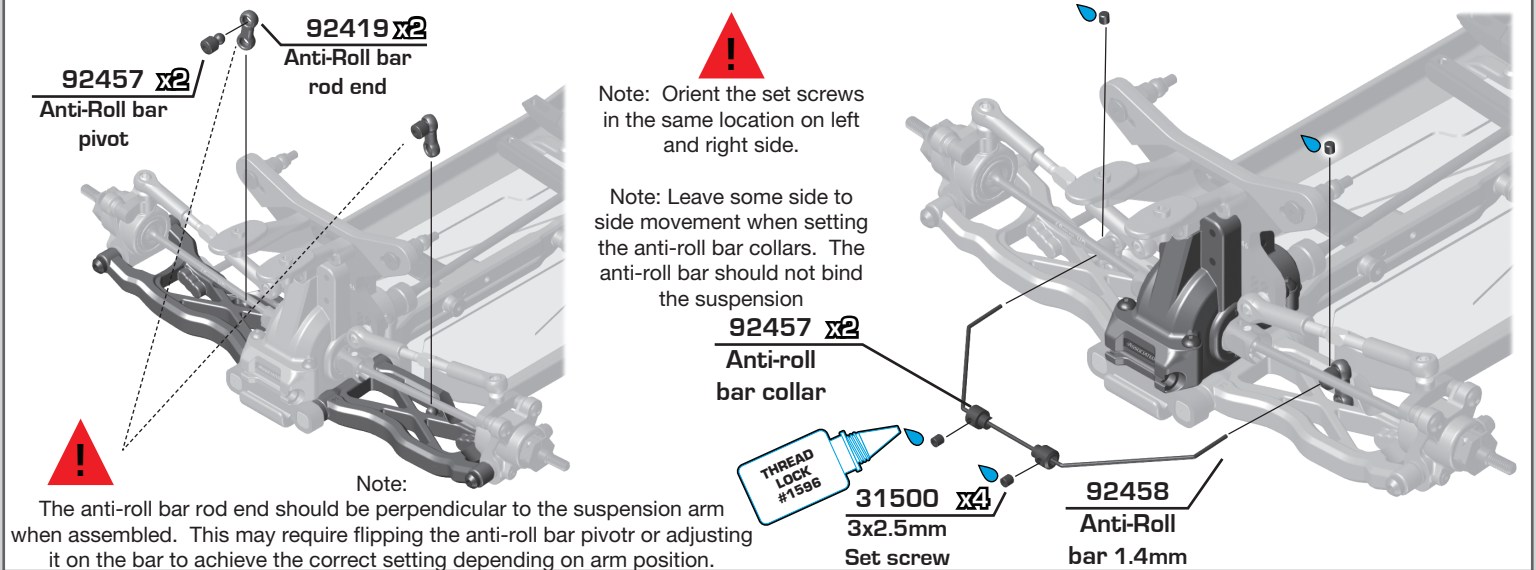




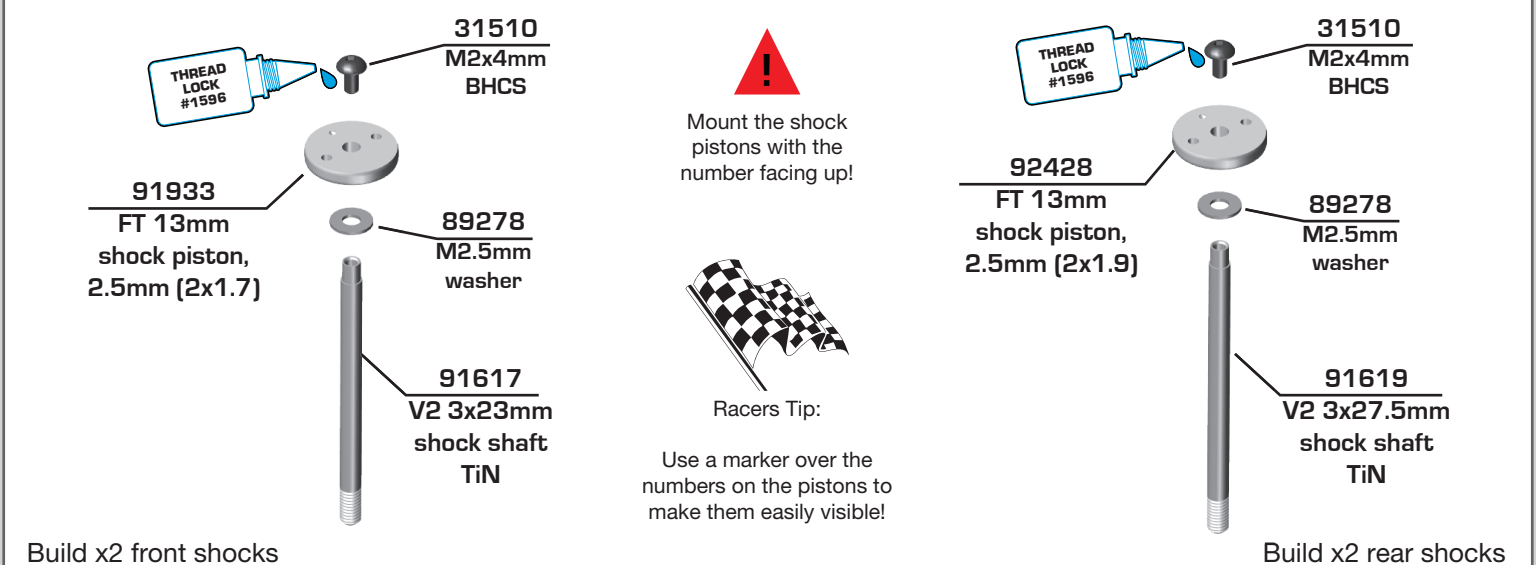
## :: Bag 10 - Step 1



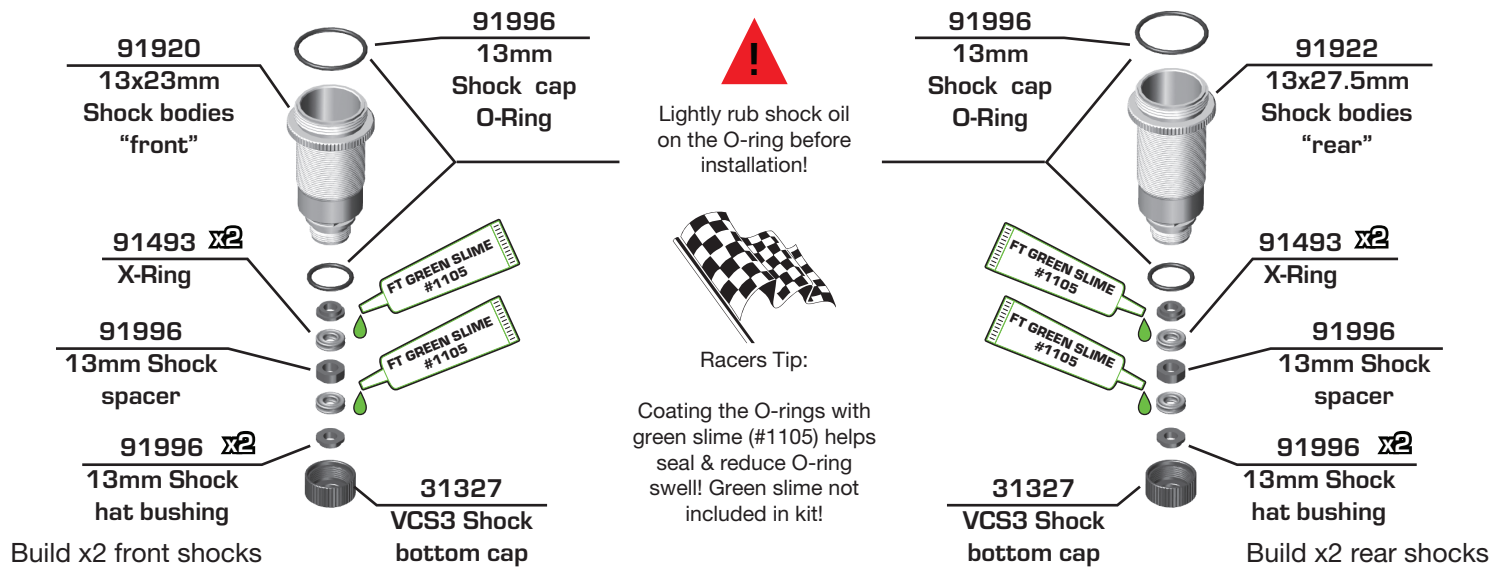
## :: Bag 10 - Step 2



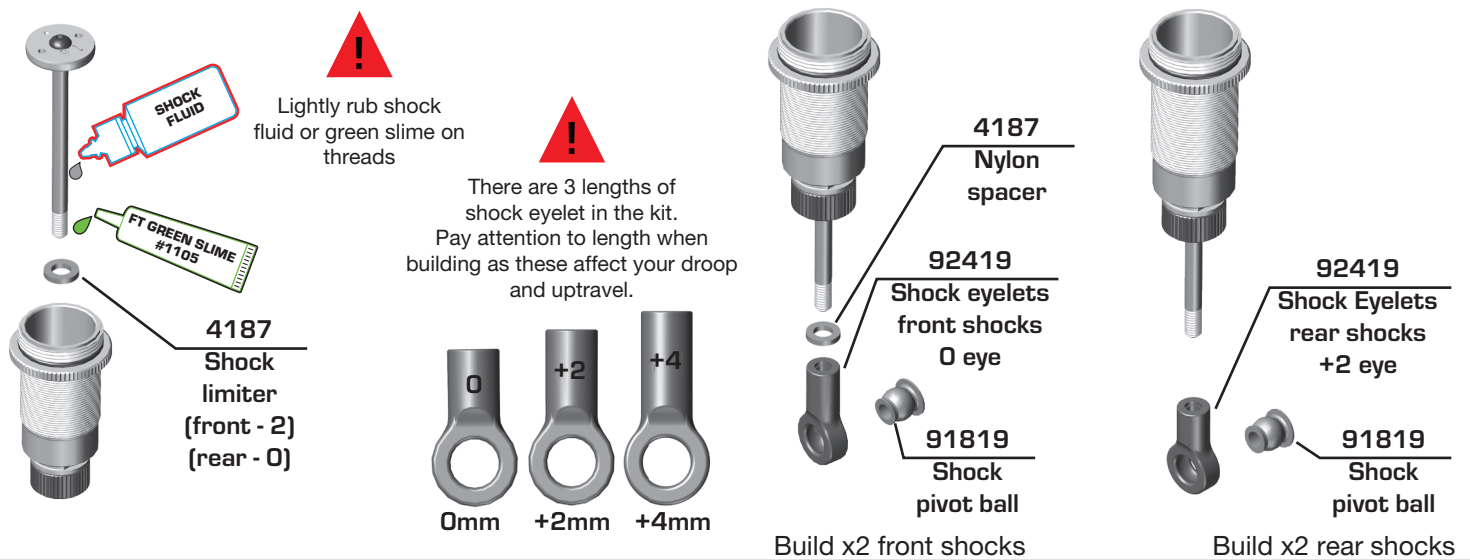
## :: Bag 11 - Step 1



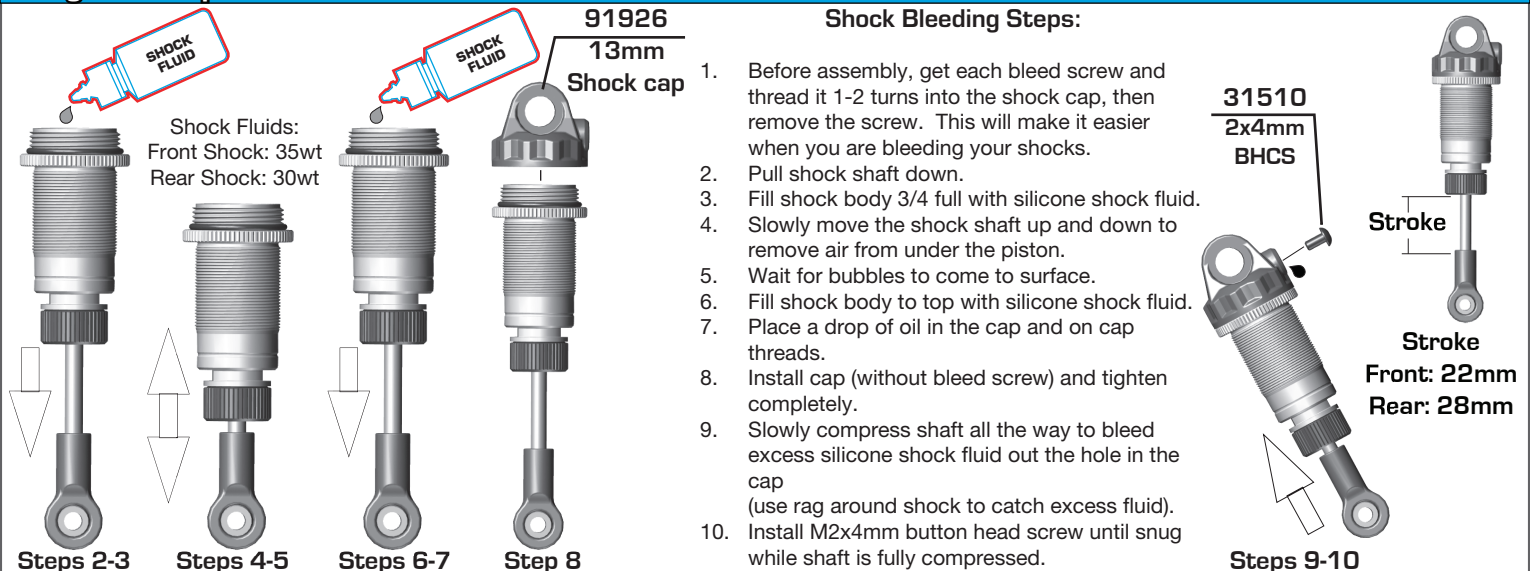
### Bag 11 - Step 2



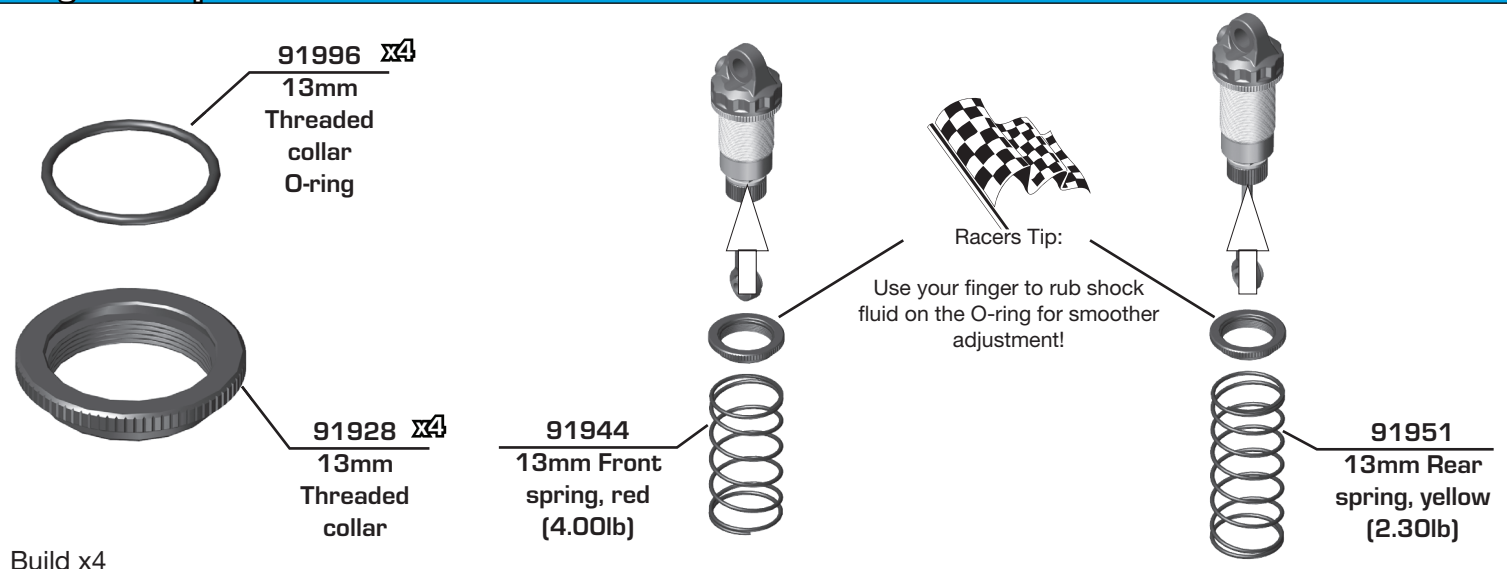
### Bag 11 - Step 3



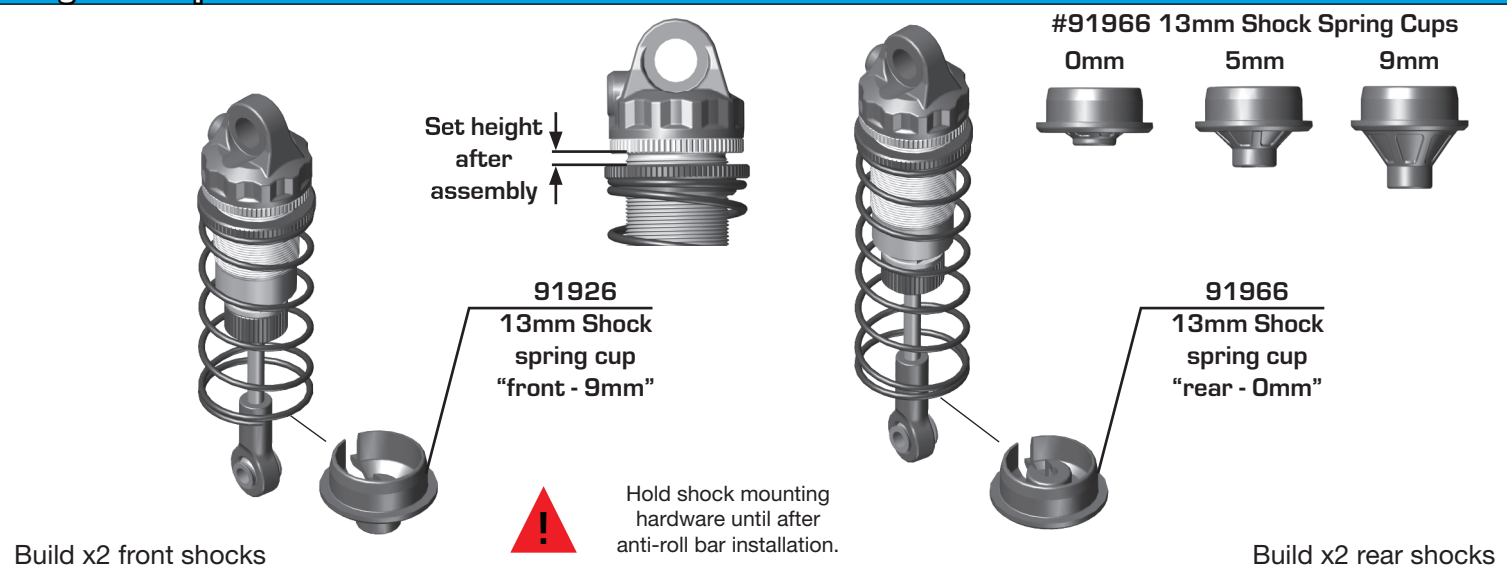
### Bag 11 - Step 4



## :: Bag 11 - Step 5

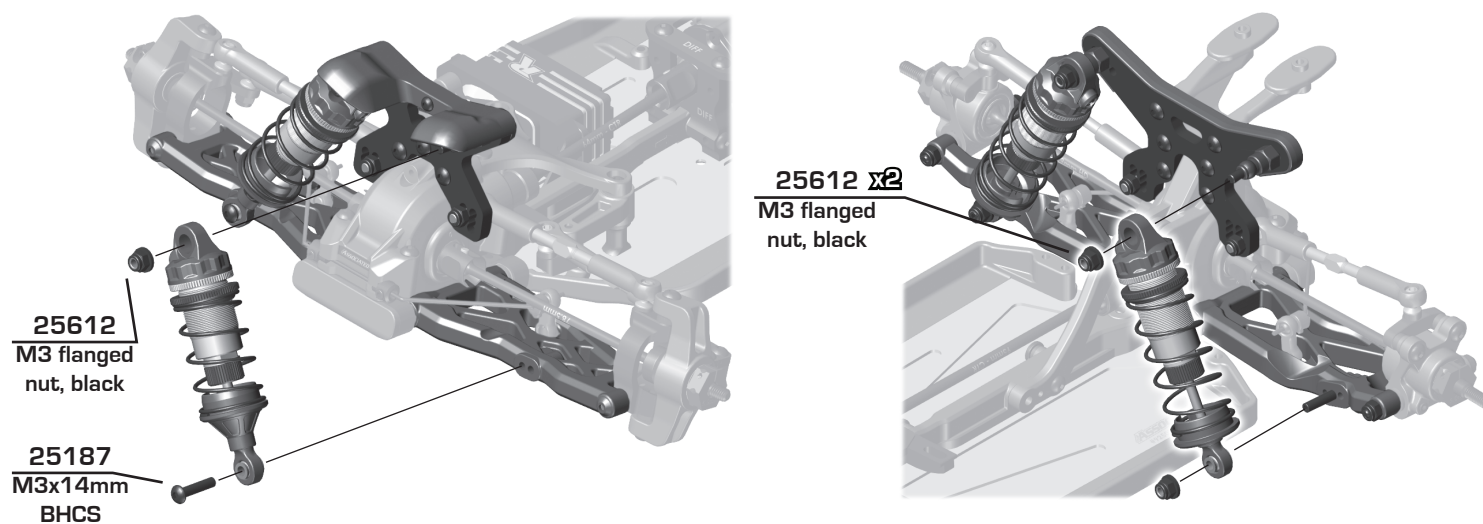


## :: Bag 11 - Step 6

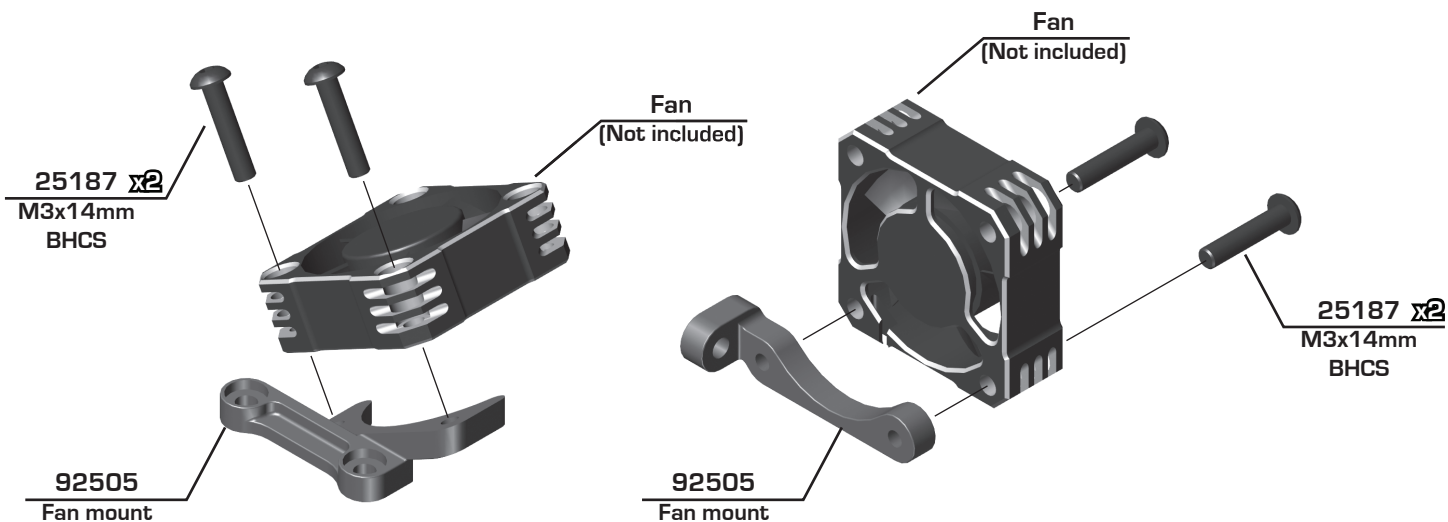


## :: Bag 11 - Step 7

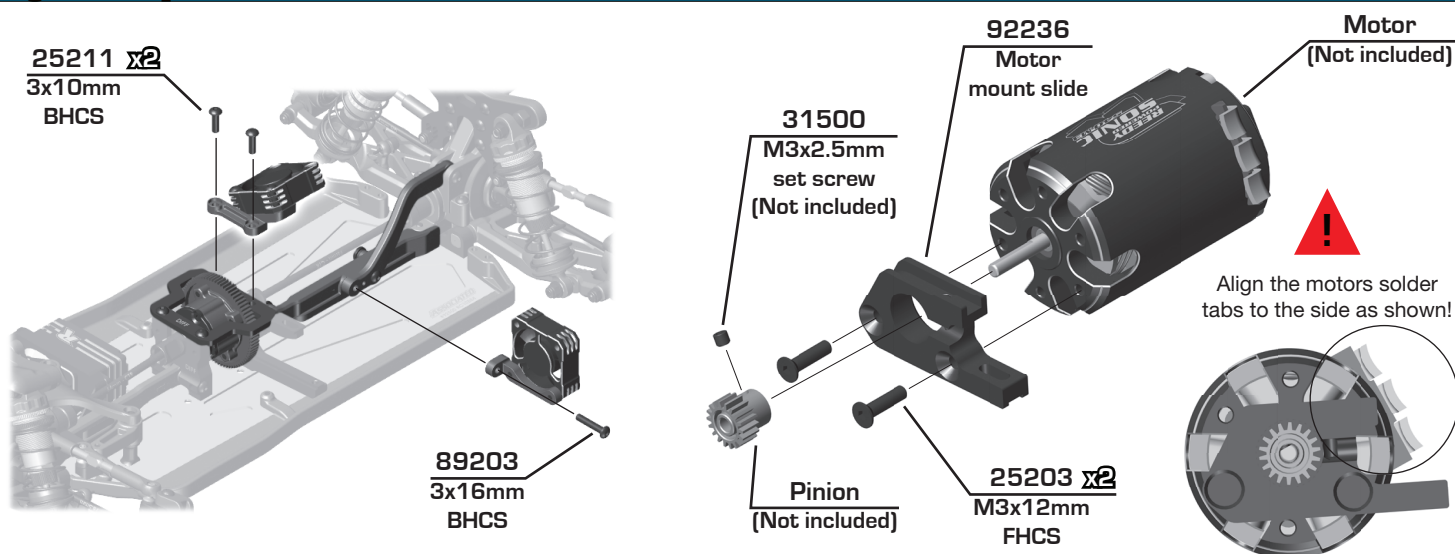
Install x2 front and x2 rear shocks



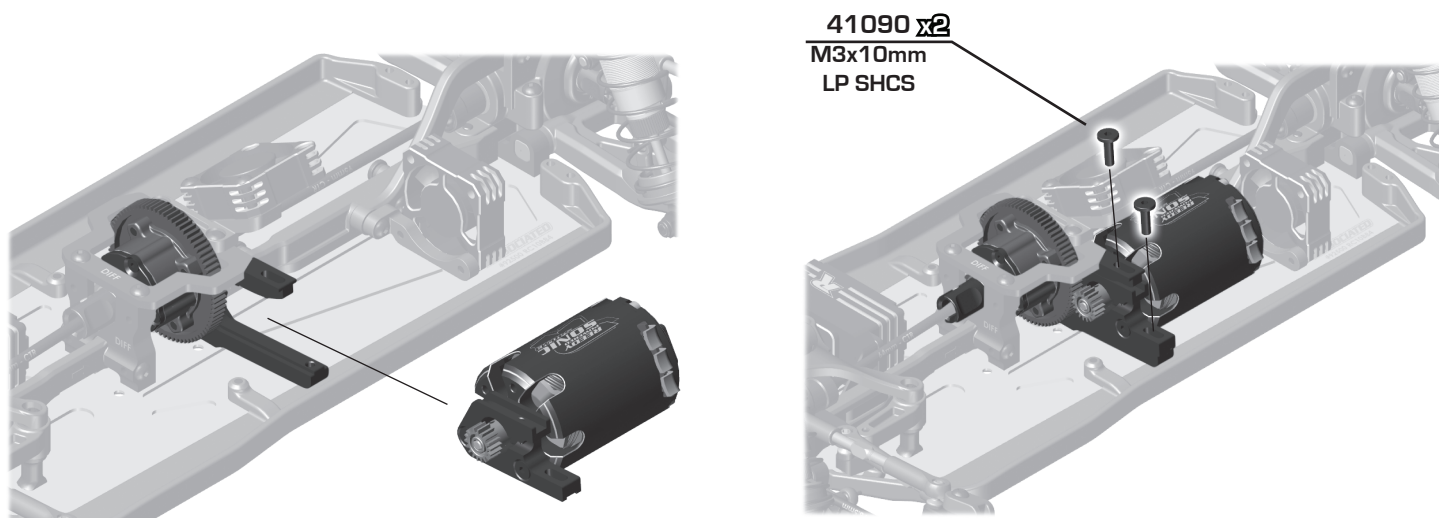
### :: Bag 12 - Step 1



### :: Bag 12 - Step 2



### :: Bag 12 - Step 3



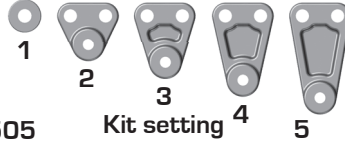


### :: Bag 12 - Step 4

31532 x2  
M3x8mm  
BHCS

92505  
B84  
Battery  
holder  
"3"

25201  
M3x8mm  
FHCS



Kit setting

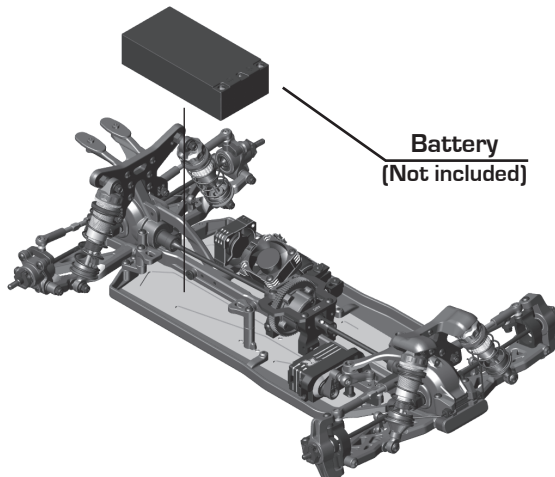
**!**  
Use M3 x 20mm for  
standard height  
Use M3 x 14mm  
LP height

25188 x2  
M3x20mm  
BHCS

92505  
B84  
Battery  
holder

92463 x2  
Battery  
holder  
O-Ring

### :: Bag 12 - Step 5

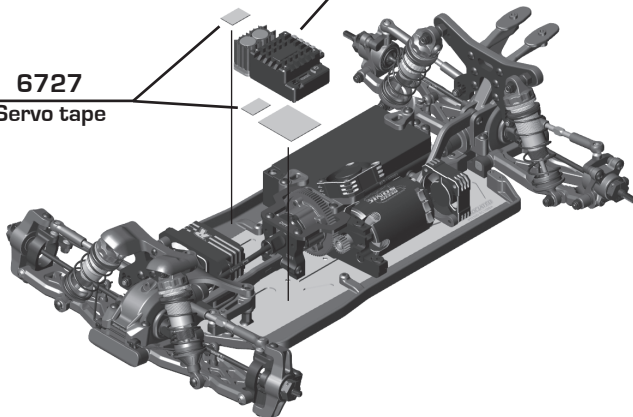


### :: Bag 12 - Step 6

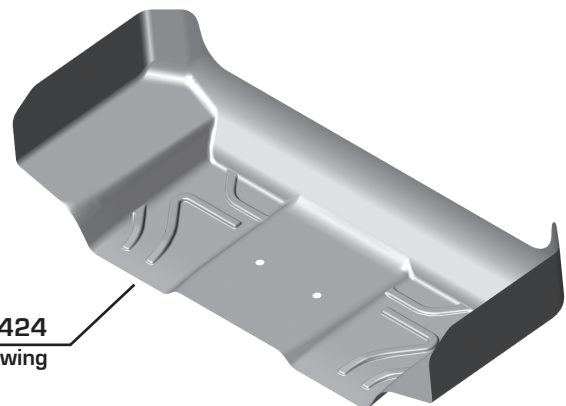
Receiver  
(Not included)

ESC  
(Not included)

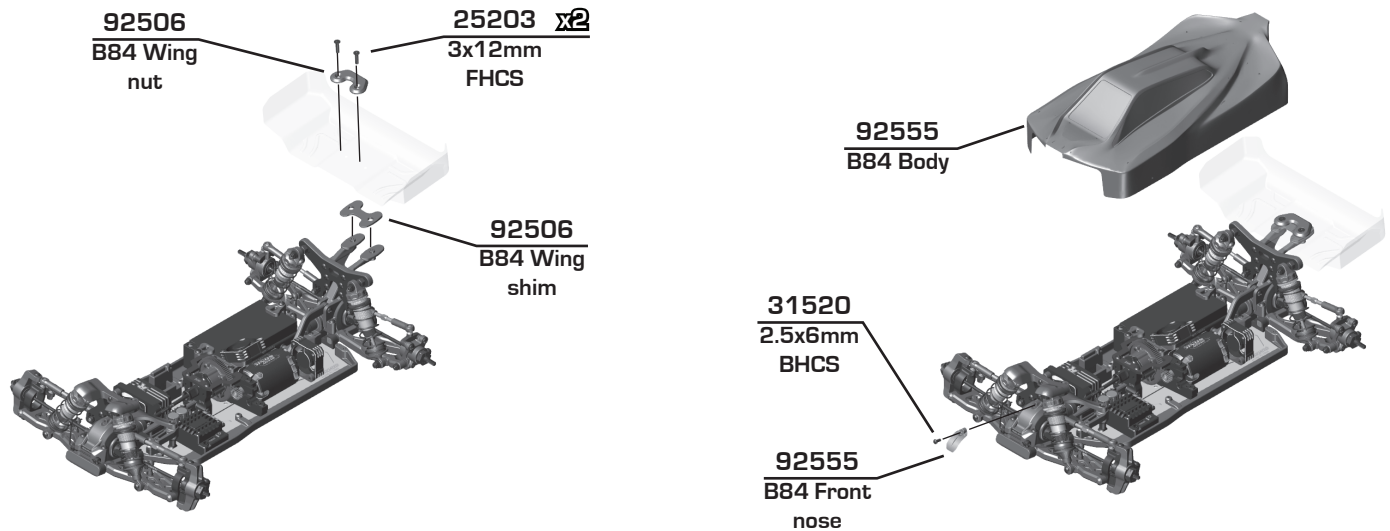
6727  
Servo tape



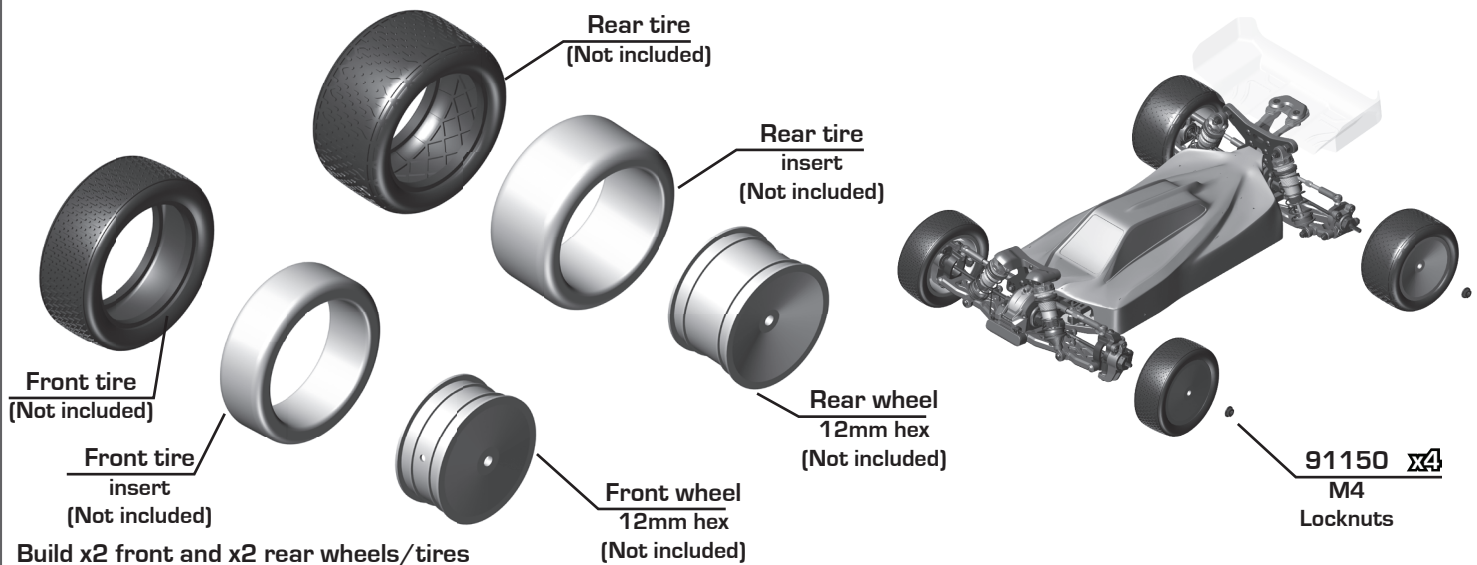
92424  
B7 wing



### :: 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.

## :: Tuning Tips - Front Arm Mount Pill Insert Setups

### Standard Position

Use this position as a reference when changing pill locations.

#### A Mount

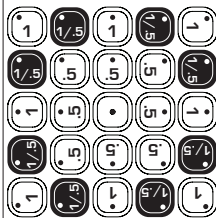


#### B Mount

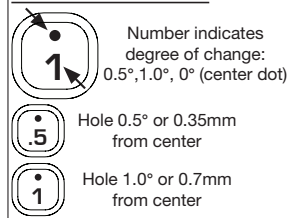


Kick-up: 10°  
Roll Center: +0  
Pin Width: +0

### Possible Insert Locations



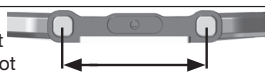
### Insert Hole Locations



The aluminum front arm mounts utilize eccentric pill inserts to make fine adjustments to kick-up, pin height, and pin width. Adjustments can be made using the supplied inserts (#92014)

### Pin Width

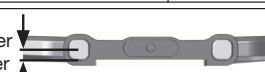
More distance = wider pivot  
Less distance = narrower pivot



A Mount	B Mount	
		= +1.4mm
		= +0.7mm
		= 0mm
		= -0.7mm
		= -1.4mm

### Pin Height

Higher pin = Higher roll center  
Lower Pin = Lower roll center



A Mount	B Mount	
		= +0.7mm
		= +0.35mm
		= 0mm
		= -0.35mm
		= -0.7mm

### Kick Up

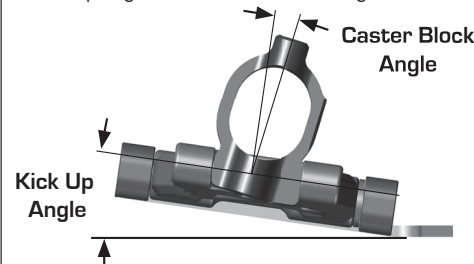
More angle = More kick up  
Less angle = Less kick up



A Mount	B Mount	
		= 10°
		= 9°
		= 8°
		= 11°
		= 10°
		= 9°
		= 12°
		= 11°
		= 10°

### Total Caster Angle

Total caster angle is the sum of the kick up angle and the caster block angle.



		Kick Up Angle			
		8°	9°	10°	11°
Caster Block Angle	6°	14°	15°	16°	17°
	7°	15°	16°	17°	18°
	8°	16°	17°	18°	19°
	9°	17°	18°	19°	20°
	10°	18°	19°	20°	21°

## :: Tuning Tips - Rear Arm Mount Pill Insert Setups

### Standard Position

Use this position as a reference when changing pill locations.

#### C Mount



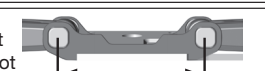
#### D Mount



Toe: 3°  
Anti-Squat: 2°  
Roll Center: +0  
Pin Width: +0

### Pin Width

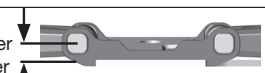
More distance = wider pivot  
Less distance = narrower pivot



C Mount	D Mount	
		= +1.4mm
		= +0.7mm
		= 0mm
		= -0.7mm
		= -1.4mm

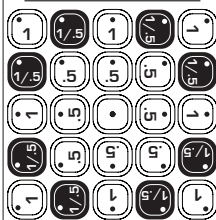
### Pin Height

Higher pin = Higher roll center  
Lower Pin = Lower roll center

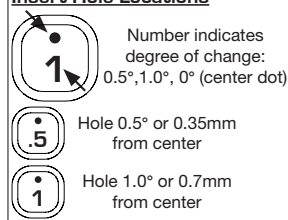


C Mount	D Mount	
		= +0.7mm
		= +0.35mm
		= 0mm
		= -0.35mm
		= -0.7mm

### Possible Insert Locations



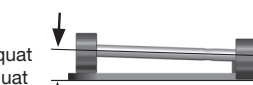
### Insert Hole Locations



The aluminum front arm mounts utilize eccentric pill inserts to make fine adjustments to kick-up, pin height, and pin width. Adjustments can be made using the supplied inserts (#92014)

### Anti-Squat Angle

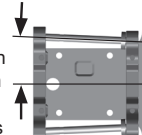
More angle = More anti-squat  
Less angle = Less anti-squat



C Mount	D Mount	
		= 2°
		= 1°
		= 0°
		= 3°
		= 2°
		= 1°
		= 4°
		= 3°
		= 2°

### Toe Angle

More angle = More toe in  
Less angle = Less toe in  
Shown in 1° changes



C Mount	D Mount	
		= 3°
		= 4°
		= 5°
		= 2°
		= 3°
		= 4°
		= 1°
		= 2°
		= 3°

## Front Suspension:

Ride Height: 17mm  
 Camber: -1 deg  
 Toe: 0 deg  
 Anti-Roll Bar: 1.3mm  
 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

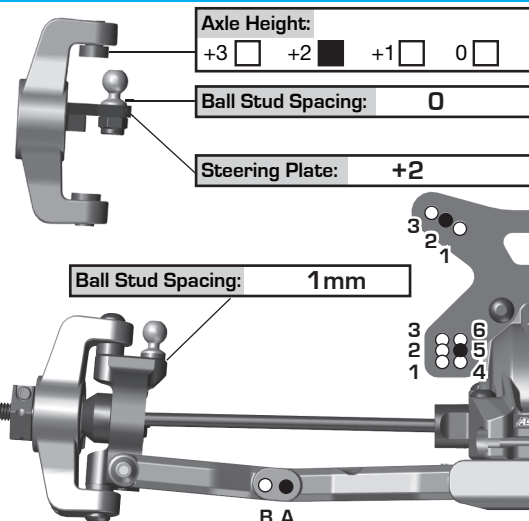
Arm Mount A: 1° 0.5°  
 Gray ☒ Black ☐



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



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



## Rear Suspension:

Ride Height: 17mm  
 Camber: -1 deg  
 Anti-Roll Bar: 1.4mm  
 Arm Type: Kit - B7  
 Tower Type: Kit  
 Wheelbase Shim: Arm Middle  
 Wheel Hex: 6mm  
 Hub Type: Kit - B7 Standard  
 Drive Shaft Type: 69mm Bone  
 Chassis Brace Material: Kit  
 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 ☐

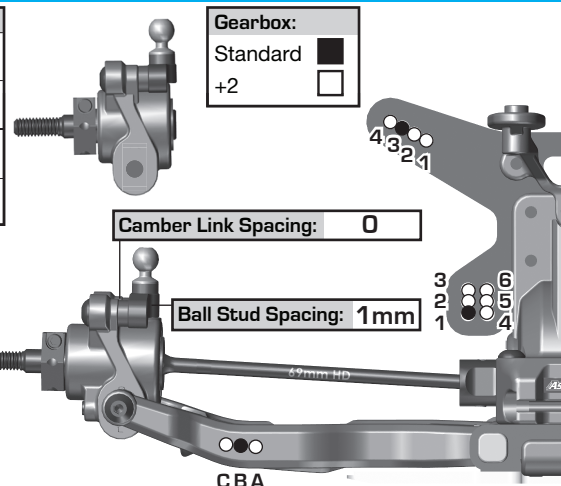


Arm Mount D: 1° 0.5°  
 Gray ☒ Black ☐



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

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



## 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>15K</u>	<u>200K</u>	<u>15K</u>
Gears:	<u>LTC</u>	<u>LTC</u>	<u>LTC</u>
Type:	<u>Plastic</u>	<u>Plastic</u>	<u>Plastic</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>35wt</u>	<u>30wt</u>
Spring:	<u>Red</u>	<u>Yellow</u>
Limiters:	Int: <u>2</u> Ext: <u>1</u>	Int: <u>0</u> Ext: <u>0</u>
Stroke:	<u>22mm</u>	<u>28mm</u>
Eyelet:	<u>0</u>	<u>+2</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 ☐

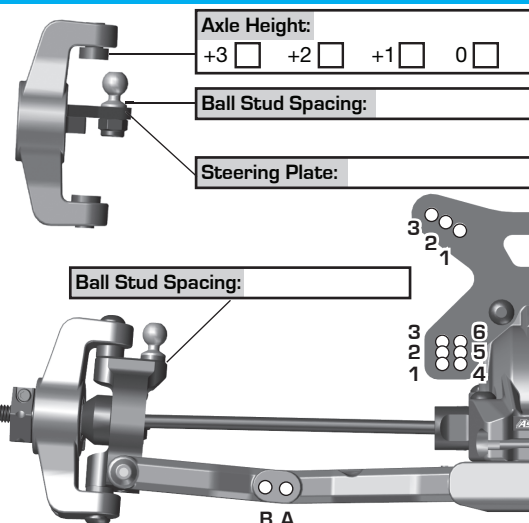


Arm Mount B: 1° ☐ 0.5° ☐  
 Gray ☐ Black ☐



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 ☐

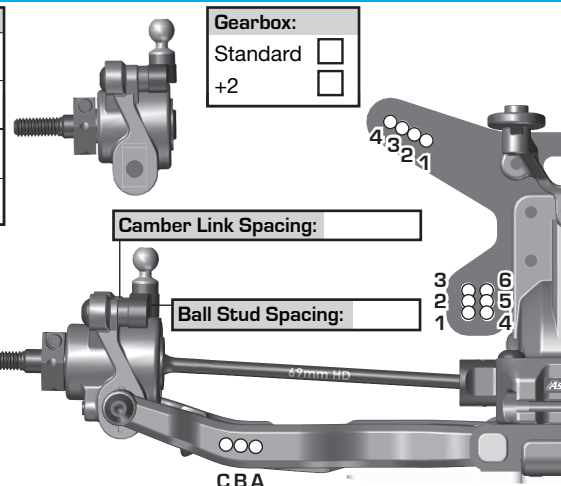


Axle Height:

▼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:

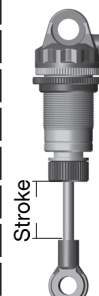
	Front	Center	Rear
Fluid:	_____	_____	_____
Gears:	_____	_____	_____
Type:	_____	_____	_____
Notes:	_____		

**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:	_____	



## 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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