B7.1 TEAM KIT

1:10 Scale 2WD Electric Off Road Competition Buggy Kit

RC10 SINCE1984

TEAM ASSOCIATED

1:10 Scale 2WD Electric Off Road Competition Buggy Kit Manual

#90046 RC10B7.1 Buggy Kit

WeAreAE 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.AssociatedElectrics.com for the latest versions of our instruction manuals.

:: RC10B7.1 Team Kit Features

- Includes 3-Gear Laydown Transmission that maintains original B7 motor position while reducing rotational weight and drag
- NEW Steering and Caster Block Assembly simplifies assembly and reduces weight without sacrificing tunability
- NEW -2mm Front Ballstud Mount included along with updated Top Plate and Standard Ballstud Mount
- NEW Front Suspension Arms with Hinge Pin Brace for improved durability
- NEW -2mm Front Shock Tower and “Gull-Dropper” Rear Shock Tower and Suspension Arm Plates for lower center of gravity
- Includes FT Inverted Rear Shock Standoff Set
- NEW -1-degree Arm Mount “C”
- Includes 78mm Rear Suspension Arms and 69mm CVA Bones
- Includes Front and Rear Anti-Roll Bars and hardware
- Includes High-Volume Gear Differential
- Low- Profile RC10B7 Body, 7-inch Rear Wing, and 2.5-inch Front Wing
- 7075-T6 Aluminum Chassis with Optional Weight Plate Pockets (Aluminum plate included with both kits)
- Shock Tower Covers Front and Rear
- 3.5mm Turnbuckles and Ballcups
- 13mm Big-Bore Shocks

:: Additional

Your new RC10B7 Team Kit comes unassembled and requires the following items for completion (refer to www.AssociatedElectrics.com and www.Reedypower.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 (540 size)
- Pinion gear (48P), 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
- Wheels w/12mm Hex
  Front Wheels #9690 (white), #9691 (yelllow)
  Rear Wheels #9695 (white), #9696 (yelllow)
- Slim Front Wheels w/12mm Hex (carpet/astro turf)
  #91757 (white) #91758 (yelllow)

:: Other Helpful Items

- Silicone Shock Fluid (Refer to AssociatedElectrics.com for complete listings)
- Green Slime shock lube (#1105)
- FT Turnbuckle Wrench, 4mm (#1112)
- FT Body Reamer (#1499)
- Shock Pliers (#1681)
- Wire Cutters
- FT Hex/Nut Wrenches (#1519)
- FT Ballcup Wrench (#1579)
- Hobby Knife
- Needle Nose Pliers
- FT Universal Tire Balancer (#1498)
- Calipers or a Precision Ruler
- FT Body Scissors (#1737)
- Soldering Iron

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Since 1984

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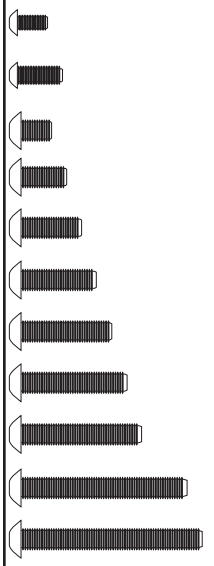
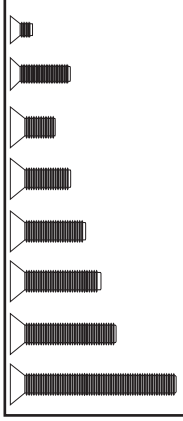
:: Hardware - 1:1 Scale View

Button Head (bhcs)



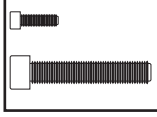
2x4mm (31510)
2.5x6mm (31520)
3x4mm (91158)
3x6mm (31531)
3x8mm (31532)
3x10mm (25211)
3x12mm (89202)
3x14mm (25187)
3x16mm (89203)
3x22mm (25189)
3x24mm (89204)

Flat Head (fhcs)



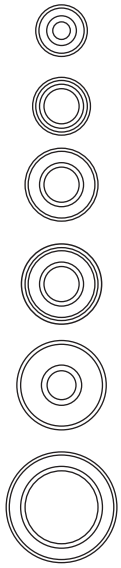
2x3mm (91749)
2.5x8mm (31472)
3x6mm (31541)
3x8mm (25201)
3x10mm (25202)
3x12mm (25203)
3x14mm (89208)
3x22mm (89455)

Cap Head (shcs)



1.6x5mm (91611)
3x16mm (89224)

Ball Bearings

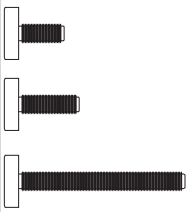


4x7x2.5mm (31732)
5x8x2.5mm (31400)
5x10x4mm (91560)
5x10x4mm flanged (92324)
5x12x4 (91567)
10x15x4 (91563)

Shims and Washers

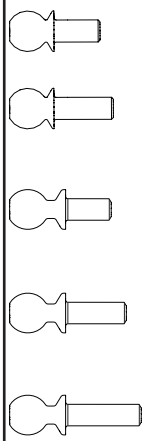
5.5x0.5mm (31381)
5.5x1.0mm (31382)
5.5x2.0mm (31383)
3x8mm Washer (89218)

LP Socket Head (lp shcs)



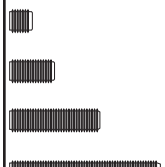
3x6mm (41089)
3x8mm (41096)
3x22mm (41095)

Ballstuds



HD 6mm, Short (32042)
HD 8mm, Short (32040)
HD 6mm (91047)
Ti HD 6mm (91751)
HD 8mm (91048)
Ti HD 8mm (91752)
HD 10mm (91049)
Ti HD 10mm (91753)

Set Screws



3x3mm (25225)
3x6mm (81257)
3x12mm (81258)
3x20mm (91737)

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)
Serrated Aluminum (Black) (91738)

Notes:

:: Table of Contents

:: Notes

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

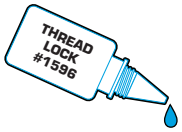
x2 This symbol indicates the number of the same part that is required.

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

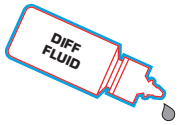
FT FACTORY TEAM This symbol indicates there are optional FT parts available

This symbol indicates a Racers Tip.

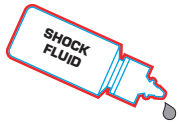
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.



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

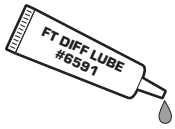


This symbol indicates where Diff Fluid should be applied.



This symbol indicates where Shock Fluid should be applied.

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

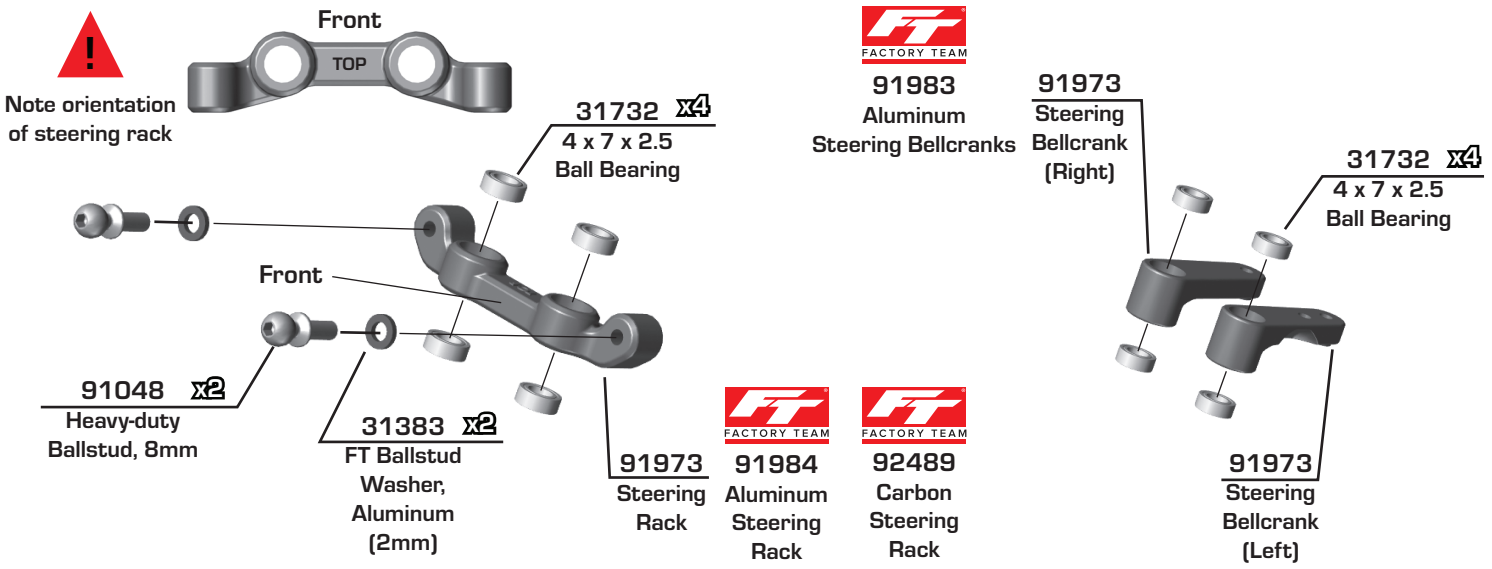


This symbol indicates where FT Diff Lube should be applied. *not included

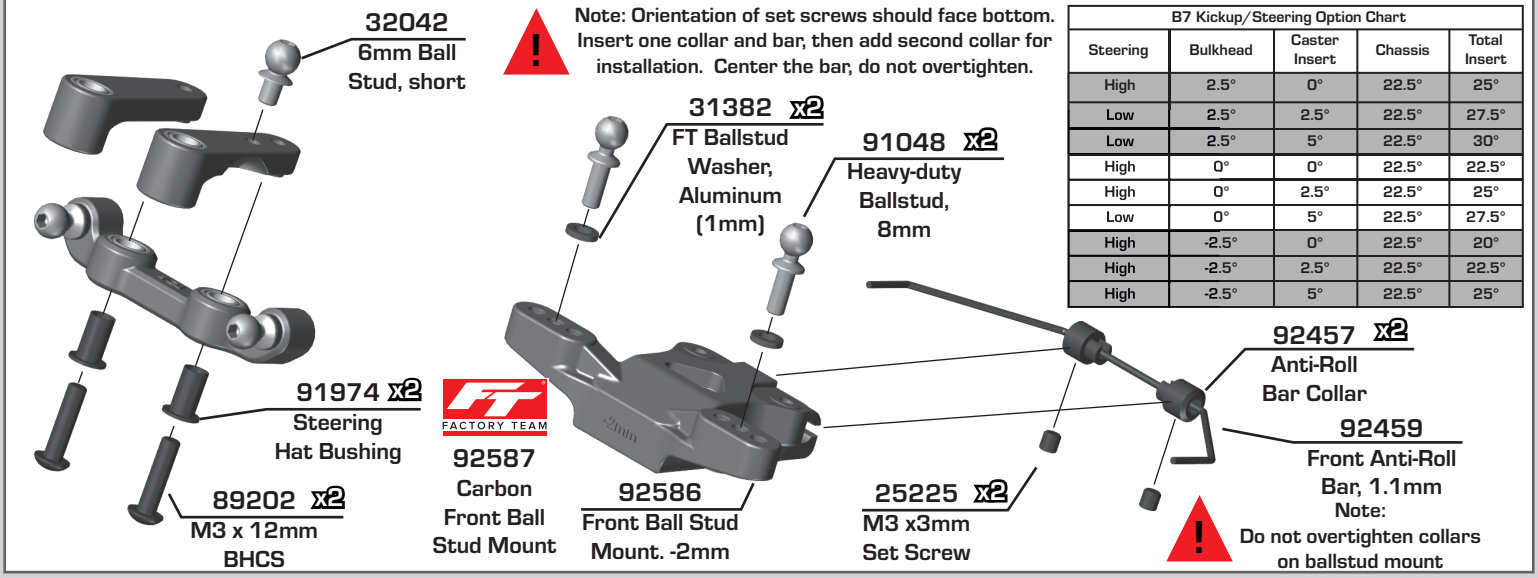
This symbol indicates where Black Grease should be applied.

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

Bag 1 - Step 1



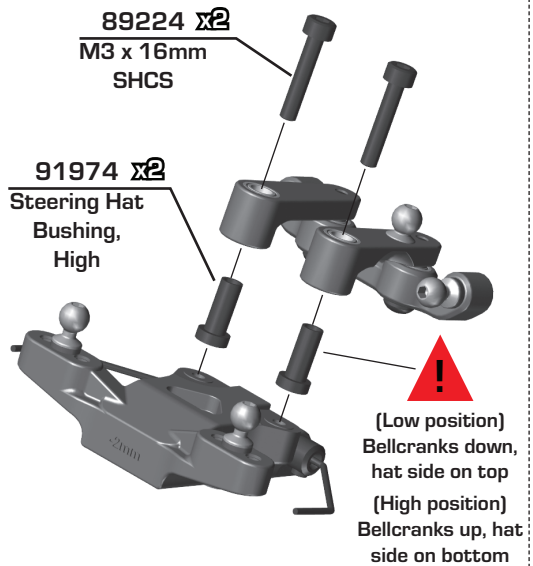
Bag 1 - Step 2



B7 Kickup/Steering Option Chart

Steering	Bulkhead	Caster Insert	Chassis	Total Insert
High	2.5°	0°	22.5°	25°
Low	2.5°	2.5°	22.5°	27.5°
Low	2.5°	5°	22.5°	30°
High	0°	0°	22.5°	22.5°
High	0°	2.5°	22.5°	25°
Low	0°	5°	22.5°	27.5°
High	-2.5°	0°	22.5°	20°
High	-2.5°	2.5°	22.5°	22.5°
High	-2.5°	5°	22.5°	25°

Bag 1 - Step 3



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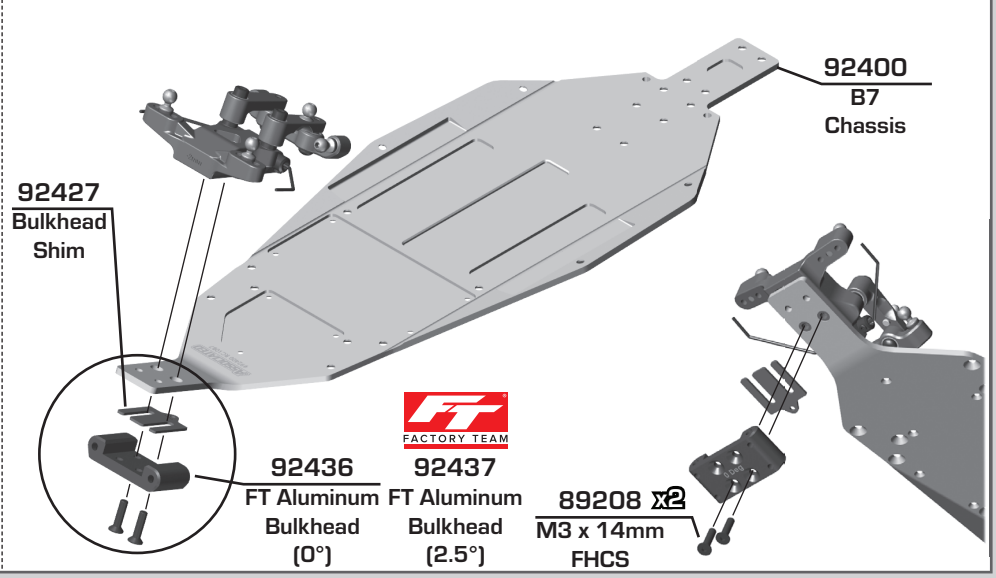

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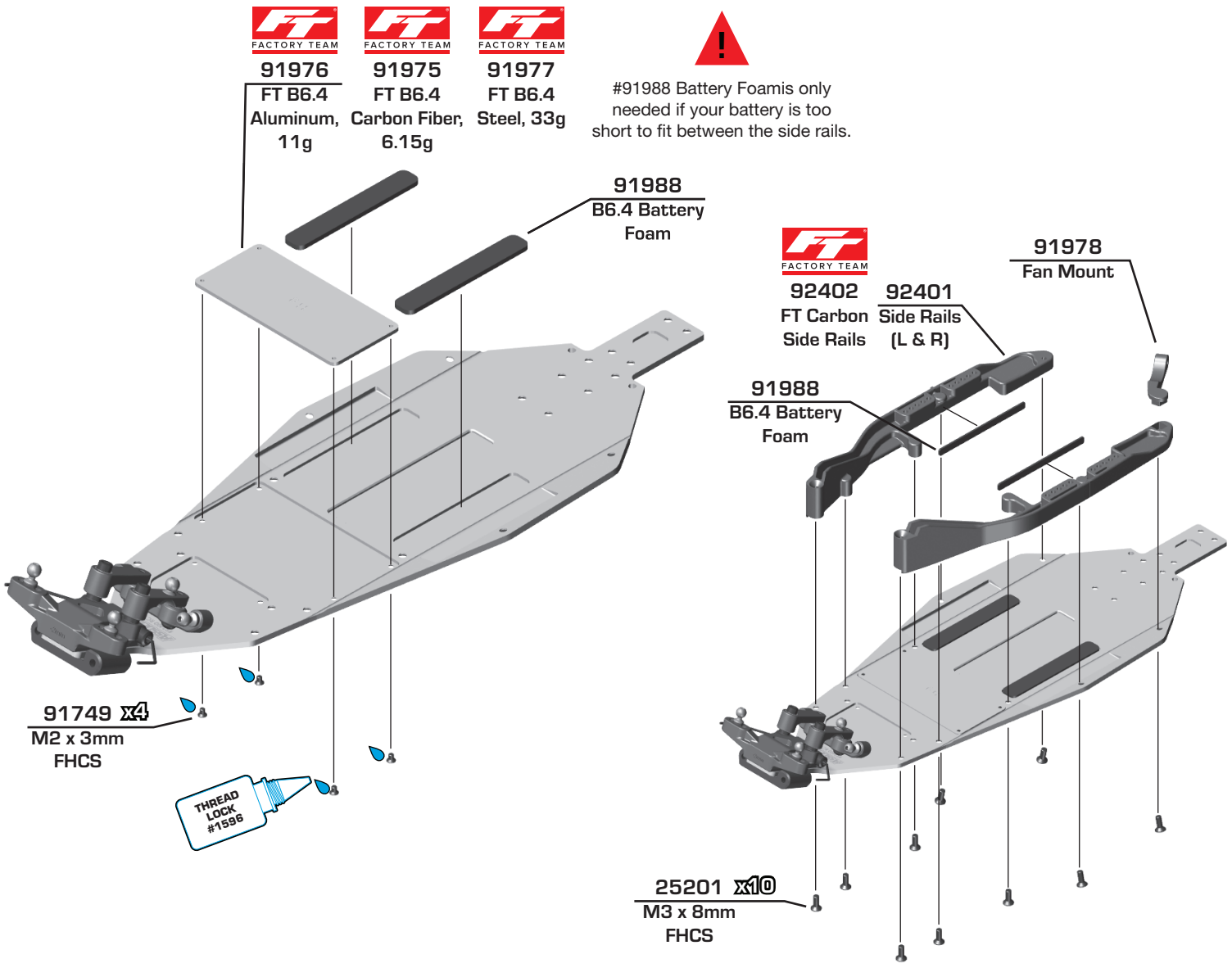

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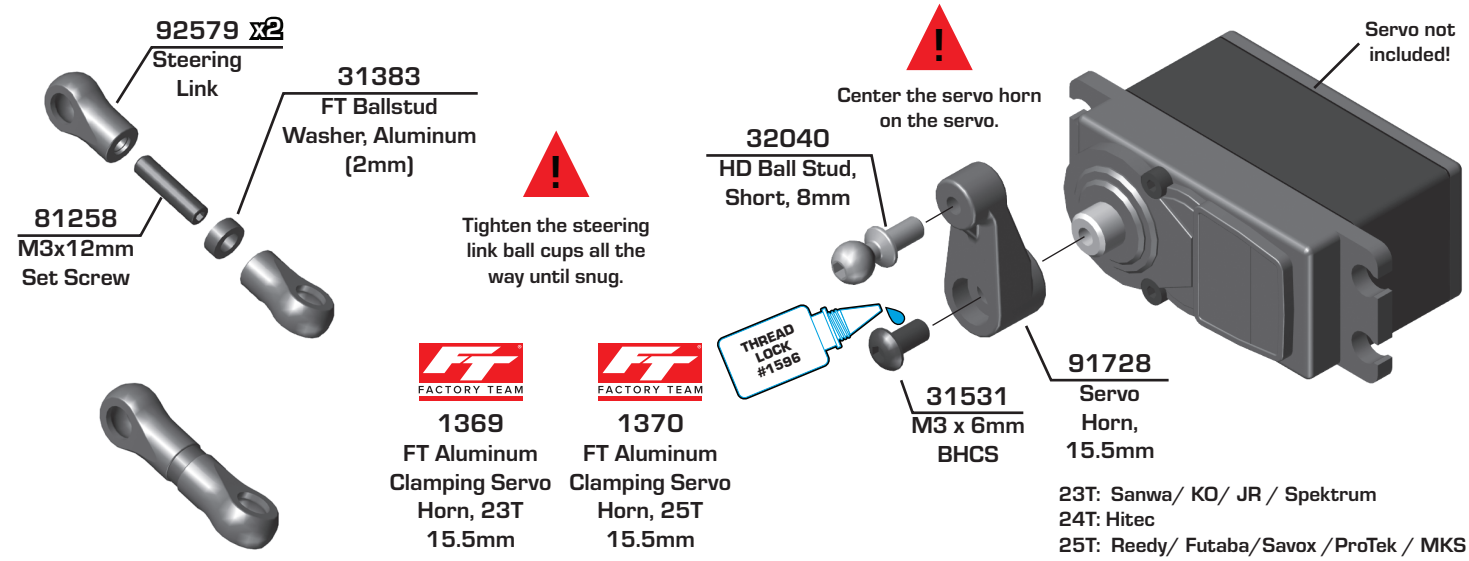
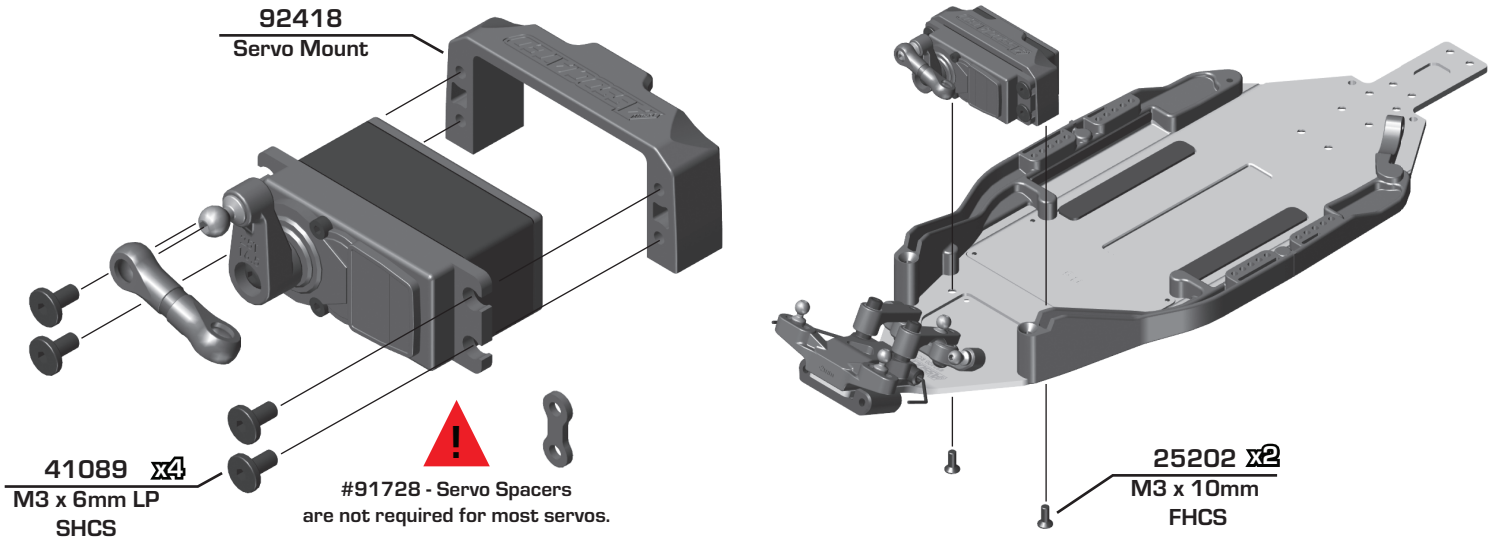
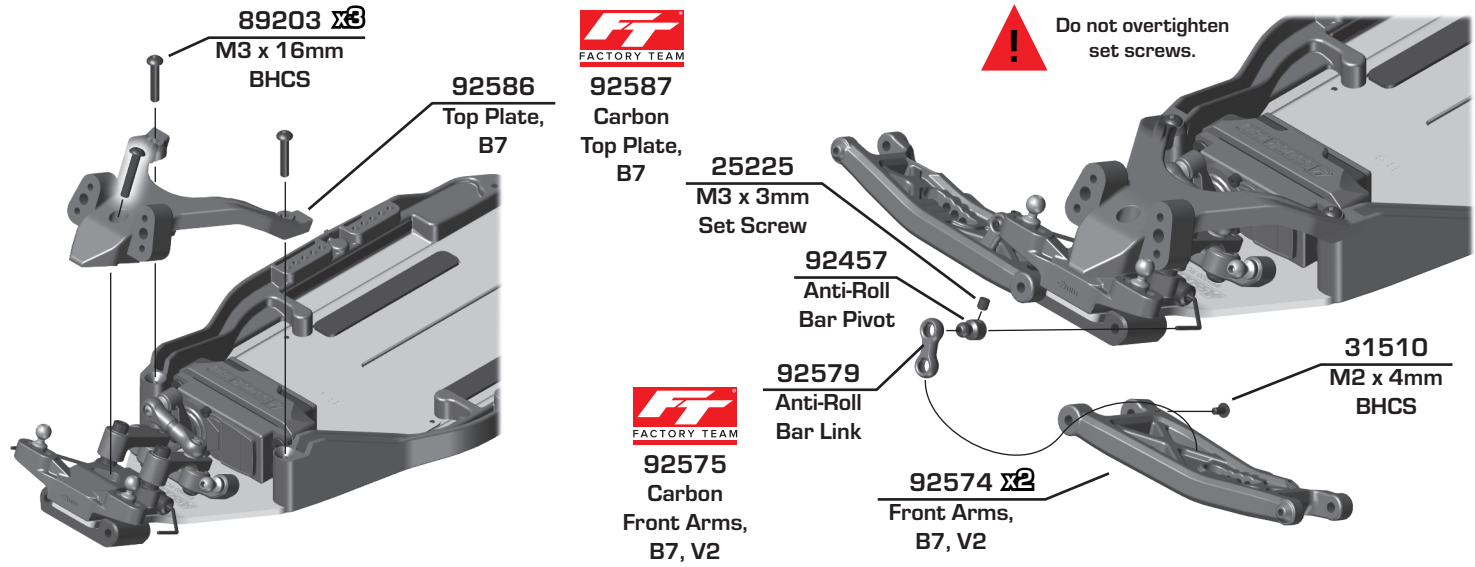


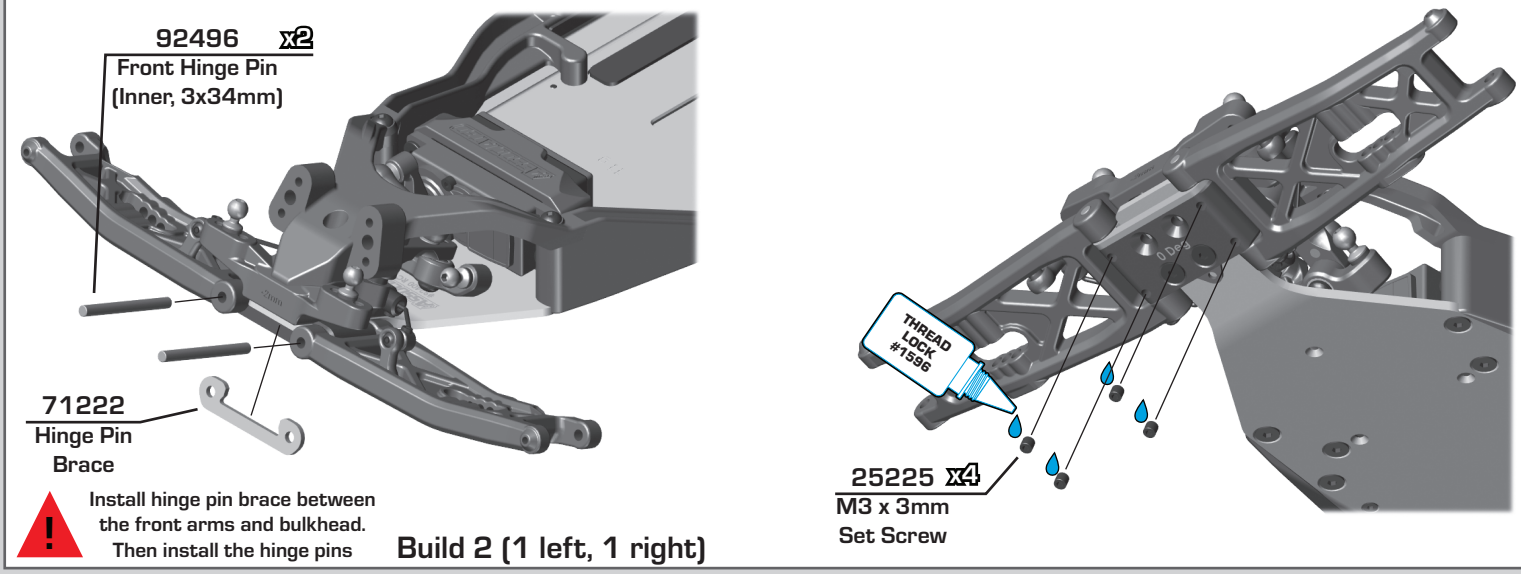
Bag 2 - Step 4



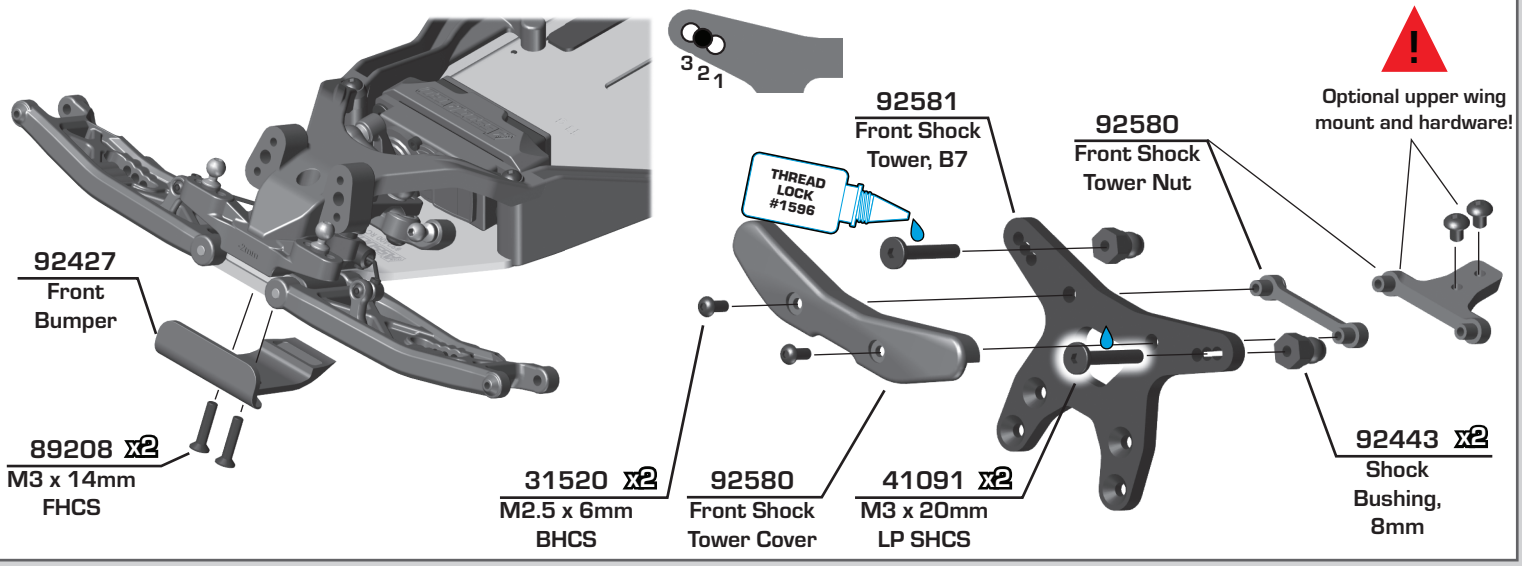
Bag 2 - Step 5



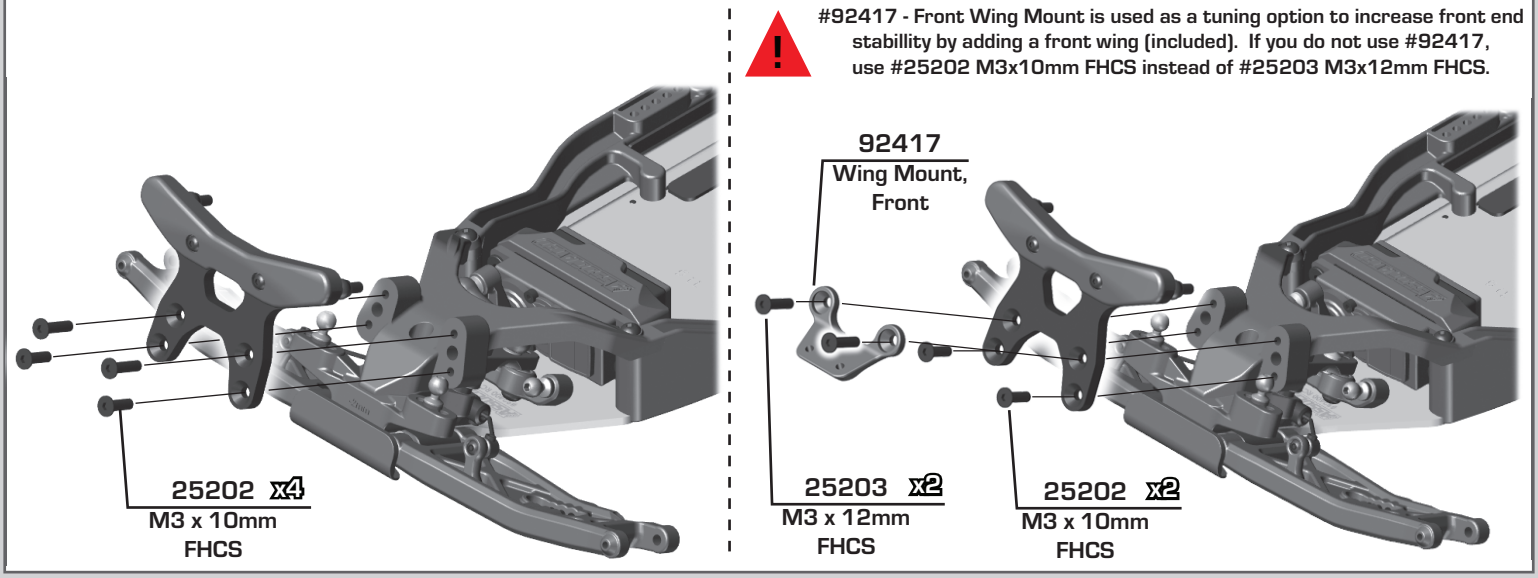
Bag 2 - Step 6



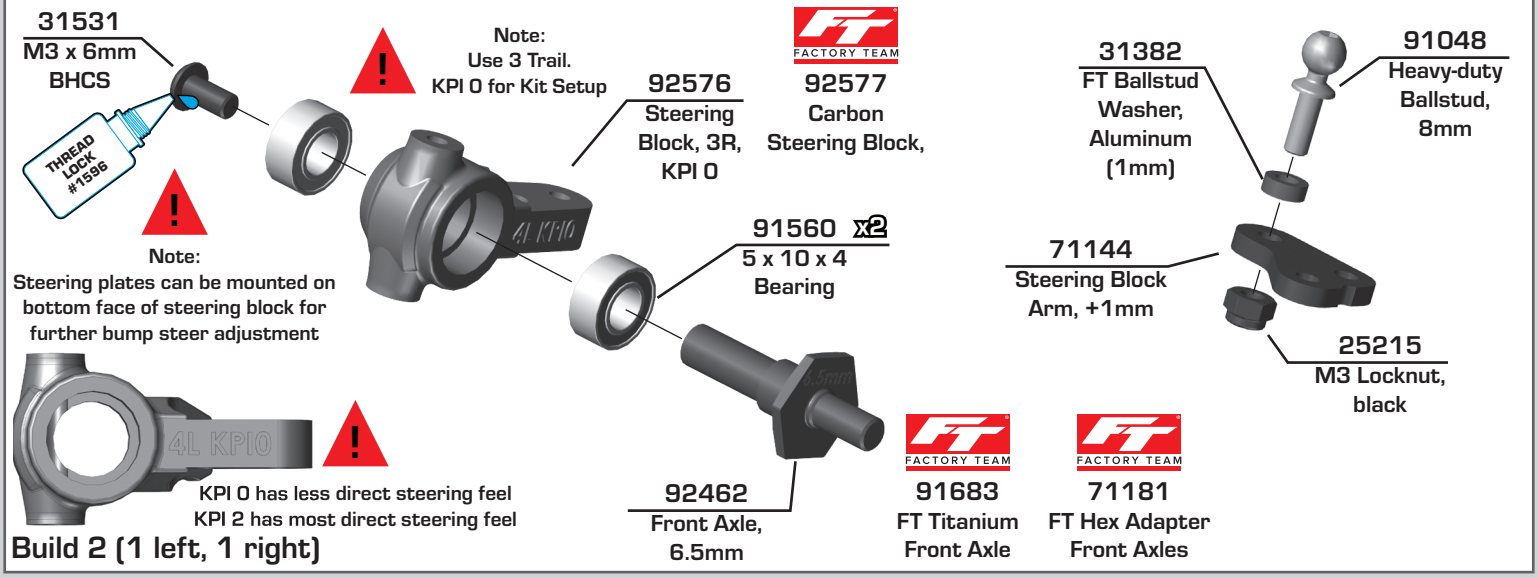
Bag 2 - Step 7



Bag 2 - Step 8



Bag 3 - Step 1

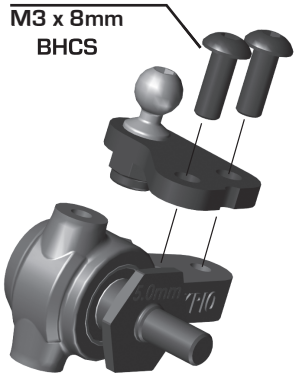


Build 2 (1 left, 1 right)

Bag 3 - Step 2

Note:
Mount plate on top face for Kit Setup

31532 x2
M3 x 8mm BHCS



Build 2 (1 left, 1 right)

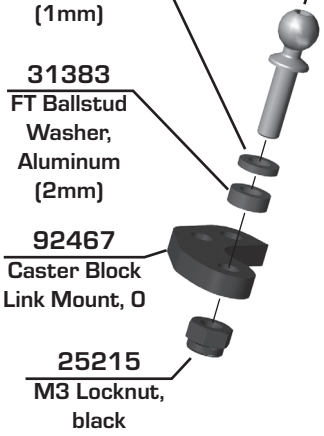
31382
FT Ballstud Washer, Aluminum (1mm)

31383
FT Ballstud Washer, Aluminum (2mm)

92467
Caster Block Link Mount, 0

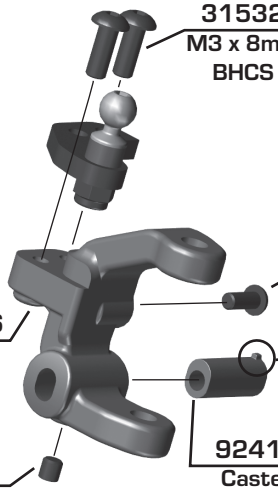
25215
M3 Locknut, black

91049
Heavy-duty Ballstud, 10mm



92577
Carbon Caster Block

92576
Caster Block



31532 x2
M3 x 8mm BHCS

25225
M3 x 3mm Set Screw

92416
Caster Block Insert (+2.5°)

31520
M2.5 x 6mm BHCS

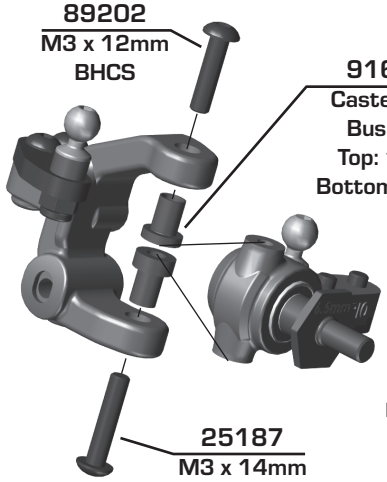
Steering stop screw setting: 1.2mm measured from top of screw to perpendicular face on caster block.

There are three caster block inserts included (0°, +/- 2.5 °, +/- 5 °). +2.5 ° is the standard insert used.
Tab up = adds caster
Tab down = removes caster

Bag 3 - Step 3

89202
M3 x 12mm BHCS

91676 x2
Caster Hat Bushing
Top: 1mm
Bottom: 2mm



25187
M3 x 14mm BHCS

Build 2 (1 left, 1 right)

Note:
Do not tighten M2x4mm BHCS flush with the arm.

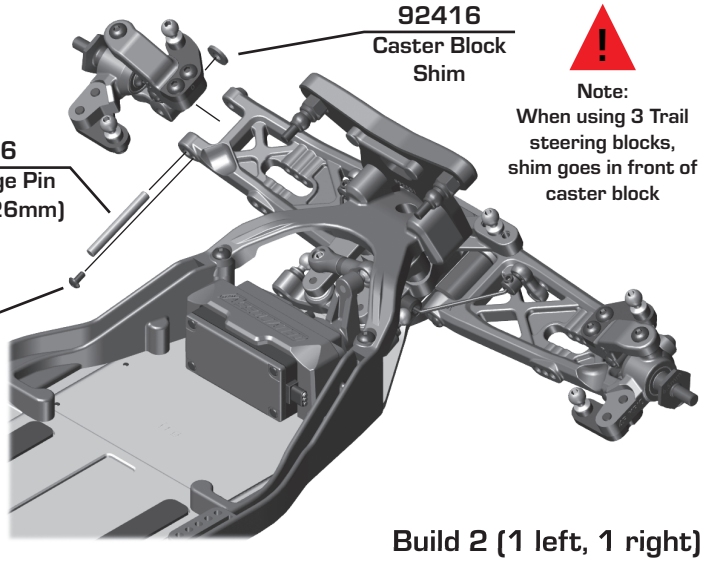
#92496 - Hinge Pin will be tight in the caster blocks, but should rotate freely in the front arms.

92496
Front Hinge Pin (Outer, 3x26mm)

31510
M2 x 4mm BHCS

92416
Caster Block Shim

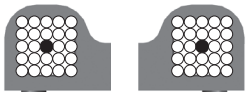
Note:
When using 3 Trail steering blocks, shim goes in front of caster block



Build 2 (1 left, 1 right)

Bag 4 - Step 1

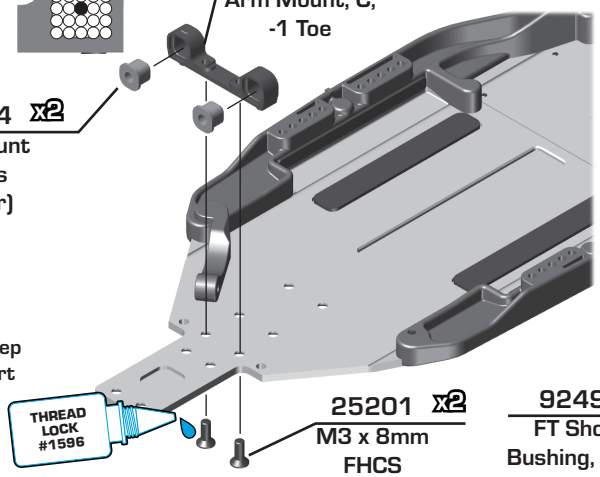
Arm Mount C:
Center



92585
Aluminum Arm Mount, C, -1 Toe

92014 x2
Arm Mount Inserts (Center)

See next step for pill chart tips

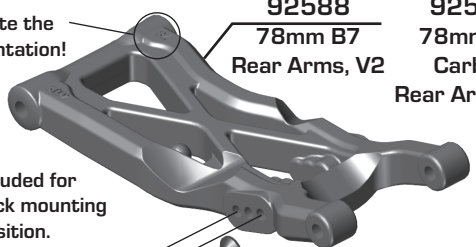


25201 x2
M3 x 8mm FHCS

Note the orientation!

92588
78mm B7 Rear Arms, V2

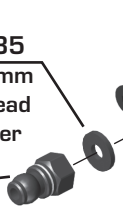
92589
78mm B7 Carbon Rear Arms, V2



Note:
Hardware included for conventional shock mounting and gull position.

31385
7.8x1mm Bulkhead washer

92497
FT Shock Bushing, 9mm



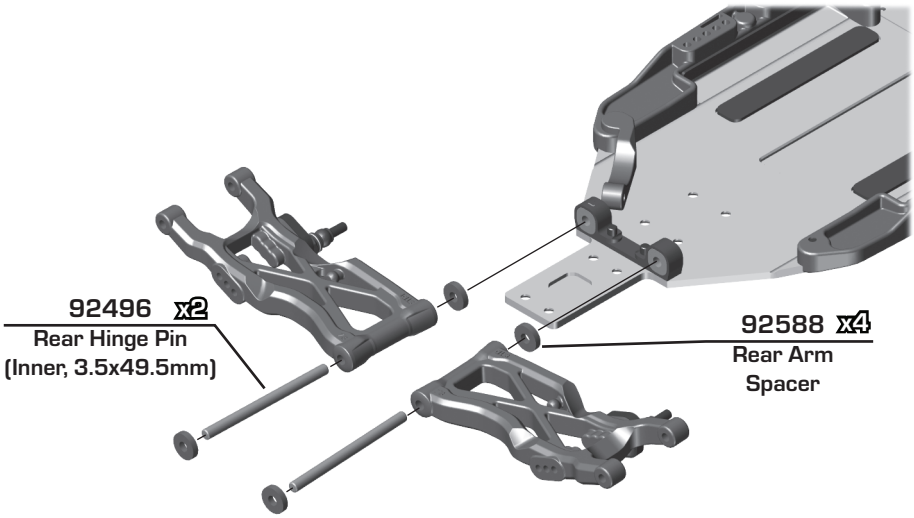
25203 x2
M3 x 12mm FHCS

89455
M3 x 22mm FHCS

92578
Gull Dropper

Build 2 (1 left, 1 right)

Bag 4 - Step 2

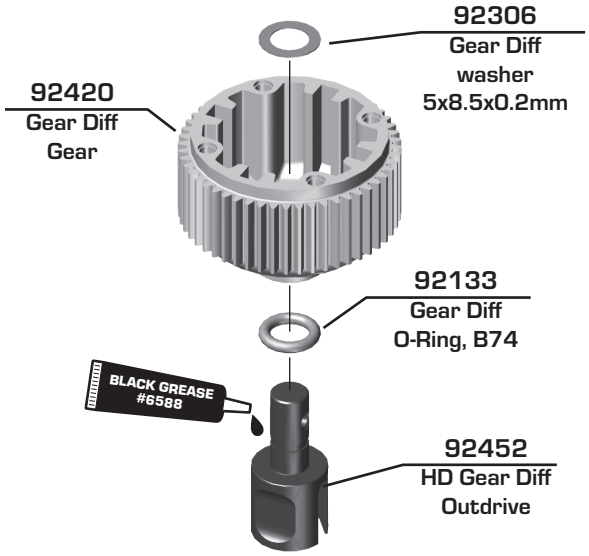


The (#92432) C and (#92433) D aluminum arm mounts allow for a large amount of setup combinations when using the (#92014) 0.5° and 1° arm mount inserts.

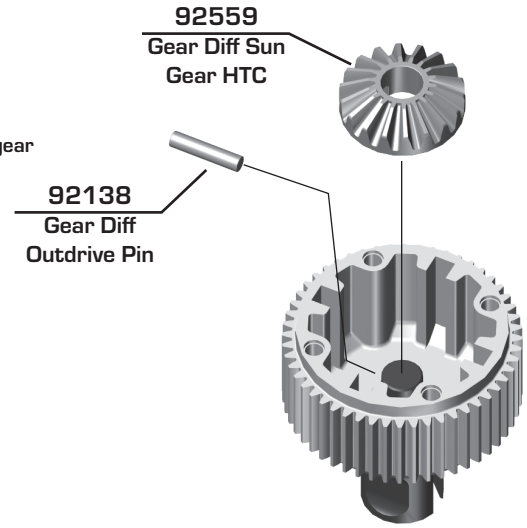
For a complete list of pill setup combinations, please visit our website by using the link below.
http://bit.ly/B6PillChart

	Toe-In	Anti-Squat
Arm Mount C: Center	2° Kit Setup	1° Kit Setup
Arm Mount D: Center		

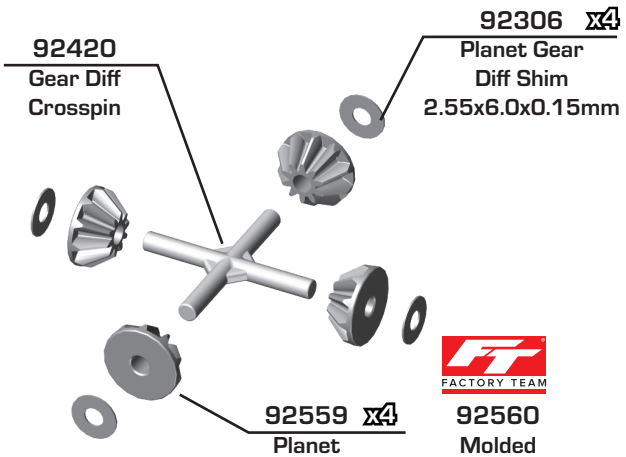
Bag 5 - Step 1

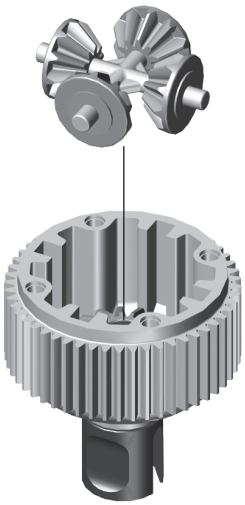


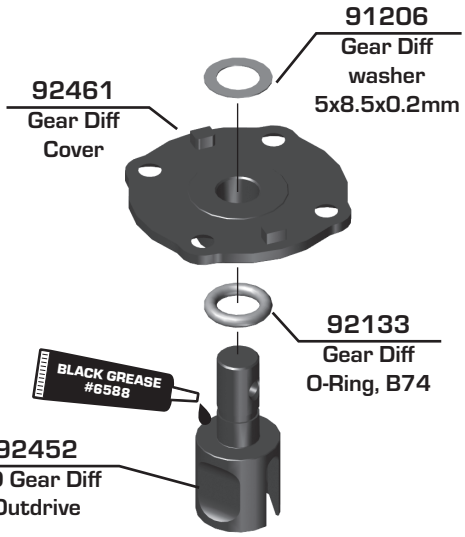
Note:
5x8.5x0.1mm shims included for fine tuning gear mesh as needed.



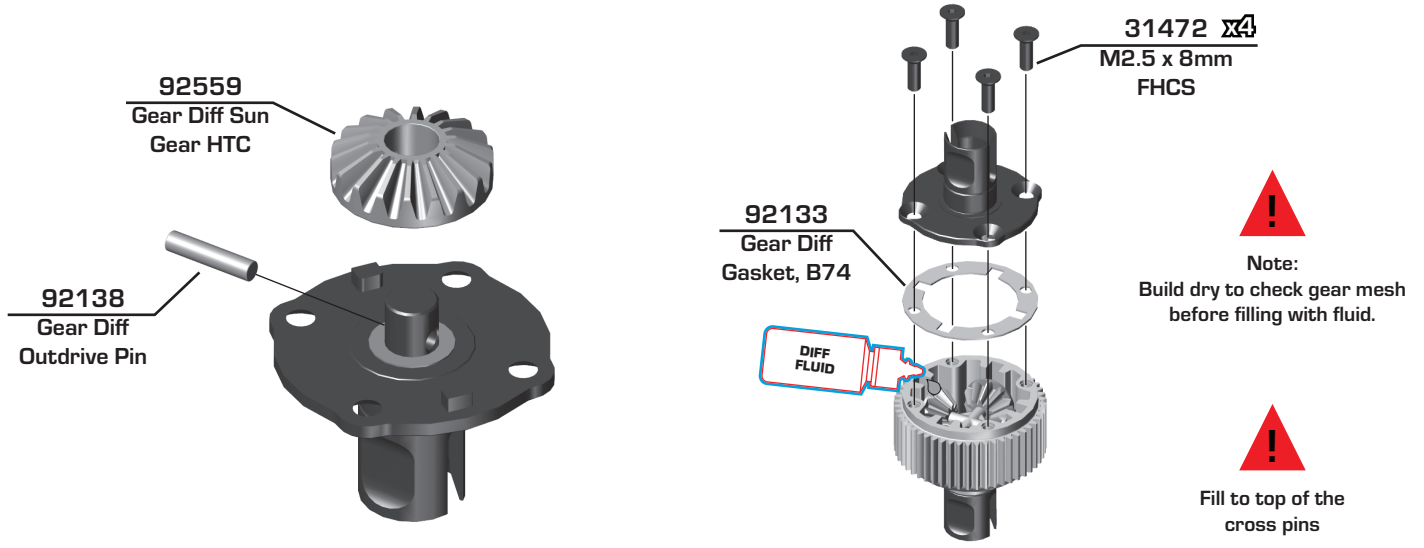
Bag 5 - Step 2



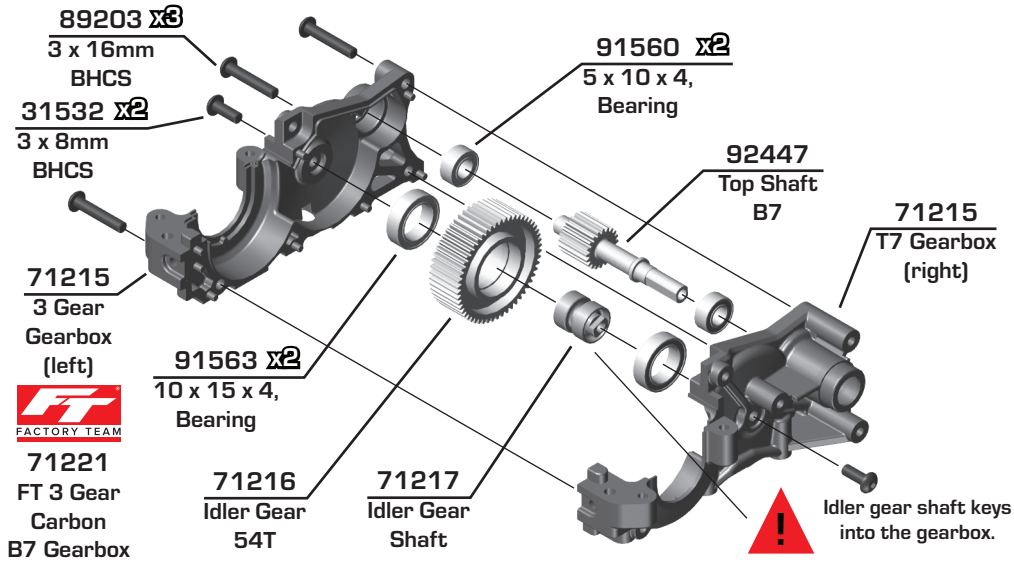




Bag 5 - Step 3



Bag 6 - Step 1

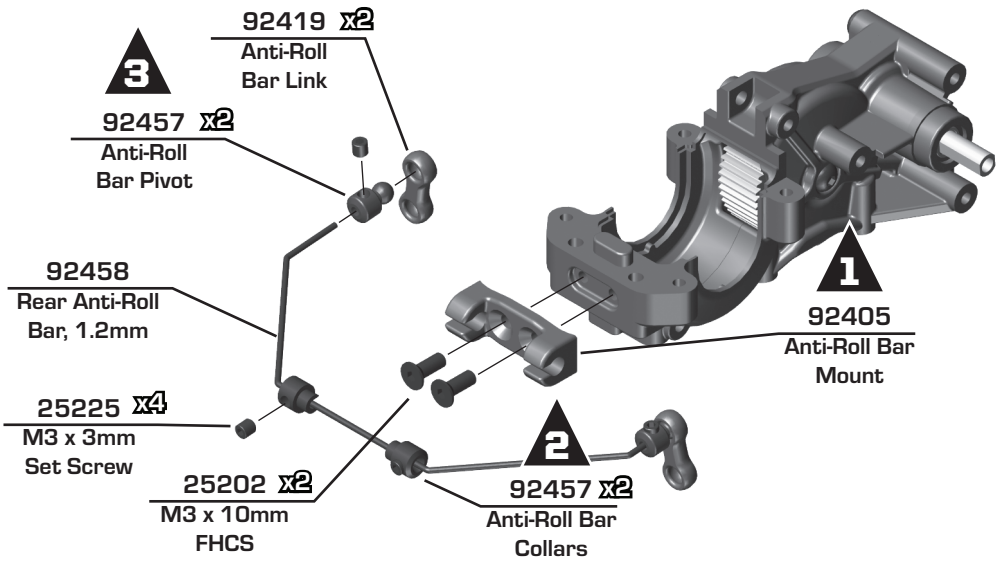


Bag 6 - Step 2

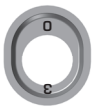
Note order of assembly.

Note: Orientation of set screws should face away from gearbox. Insert one collar and bar, then add second collar for installation. Center anti-roll bar. Do not overtighten!

Do not over-tighten the anti-roll bar set screws. The anti-roll bar should rotate freely in the assembly.

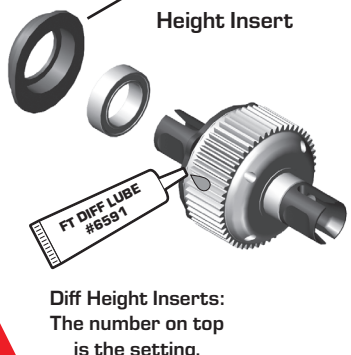


Bag 6 - Step 3

Diff Height	
	3
	2 Kit Setup
	1
	0

Add a drop of Diff Lube (#6591 - not included) to the teeth of the diff gear, idler gear, and top shaft.

92407 x2
B7 Diff Height Insert



91563 x2
10x15x4 Bearing

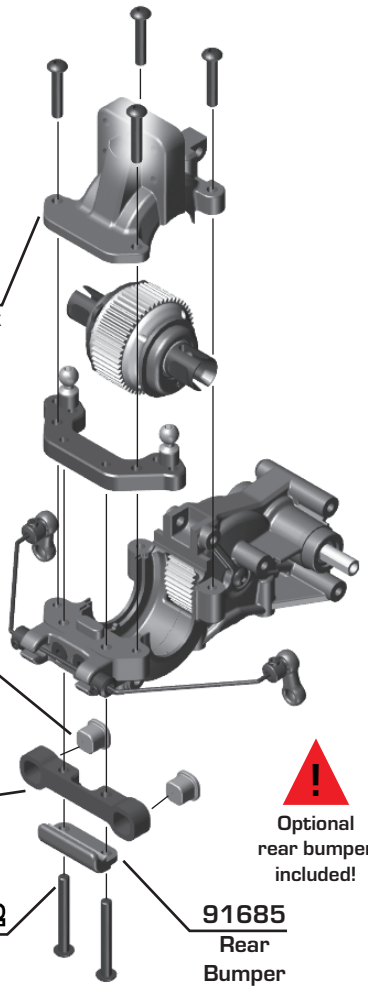
Diff Height Inserts: The number on top is the setting. Stock diff height is 2.

92505
Carbon B7 Gearbox

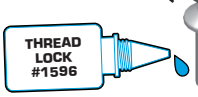
Arm Mount D: Center

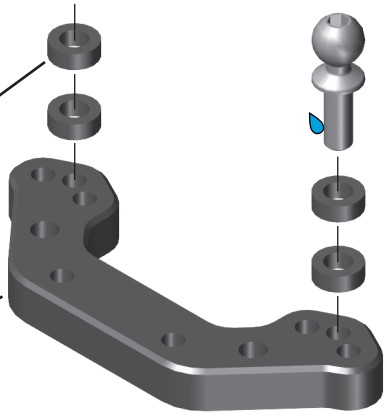
89203 x4
M3 x 16mm BHCS

92504
B7 Gearbox Top



91048 x2
Heavy-duty Ballstud, 8mm





31383 x4
Ballstud Washers, 5.5x2.0mm, Blue Aluminum

92440
B7 Rear Ballstud Mount, Aluminum

92014 x2
Arm Mount Inserts (Center)

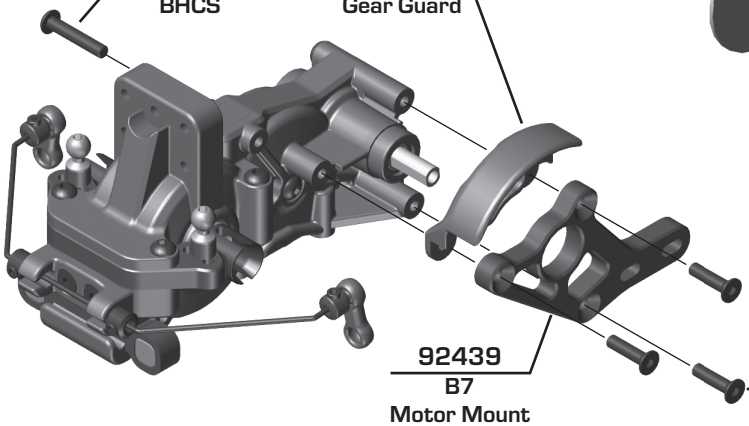
92433
Aluminum Arm Mount, D

Optional rear bumper included!

89204 x2
M3 x 24mm BHCS

91685
Rear Bumper

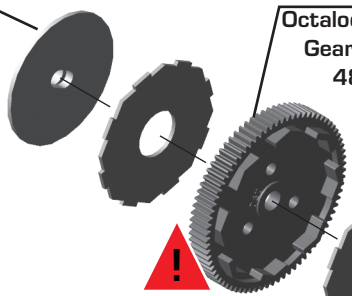
Bag 6 - Step 4



89203
3 x 16mm BHCS

92427
B7 Spur Gear Guard

91803
B6.1 Slipper Hub, Inner



92295
Octalock Spur Gear, 78T 48P

#92295 spur gear walls should point away from gear box.

There's also a 72T, 48P spur gear (#92293) included for stock motor use!

92287 x2
Octalock Slipper Pad, 11mm

92285
FT Octalock LCF Slipper Pad, 11mm

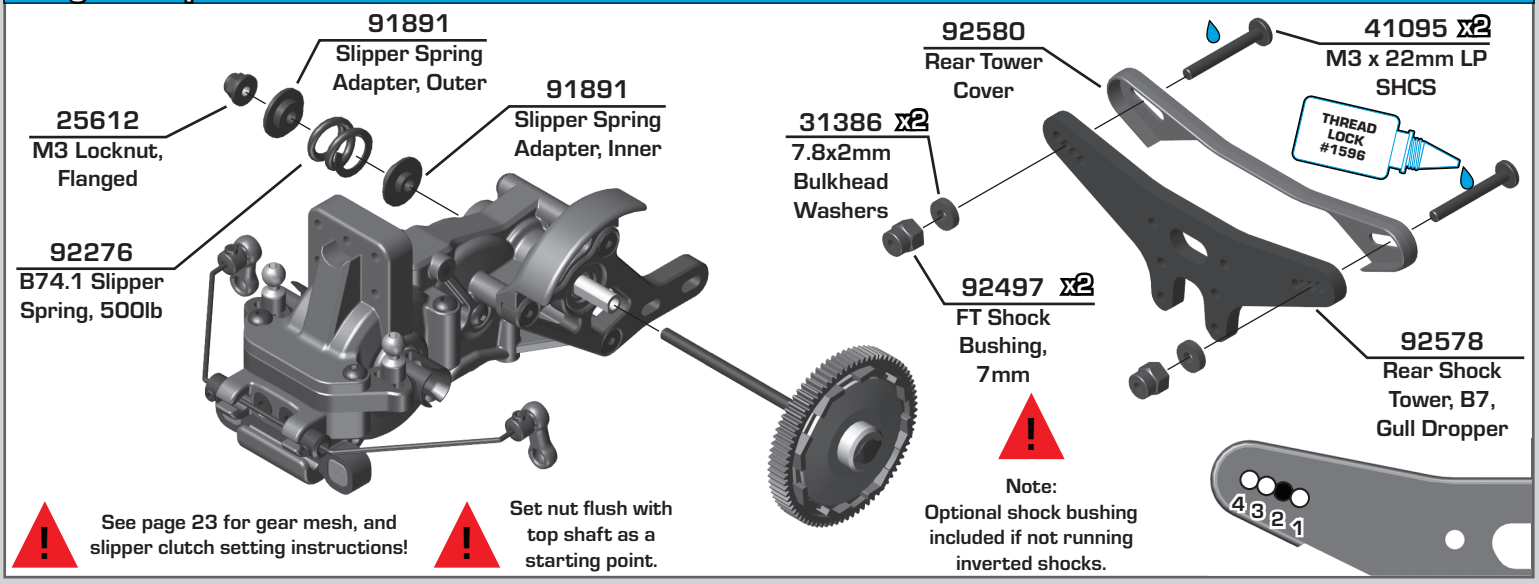
92439
B7 Motor Mount

25203 x3
M3 x 12mm FHCS

92451
B7 Slipper Hub, Outer

92448
B7 Top Shaft Screw

Bag 6 - Step 5

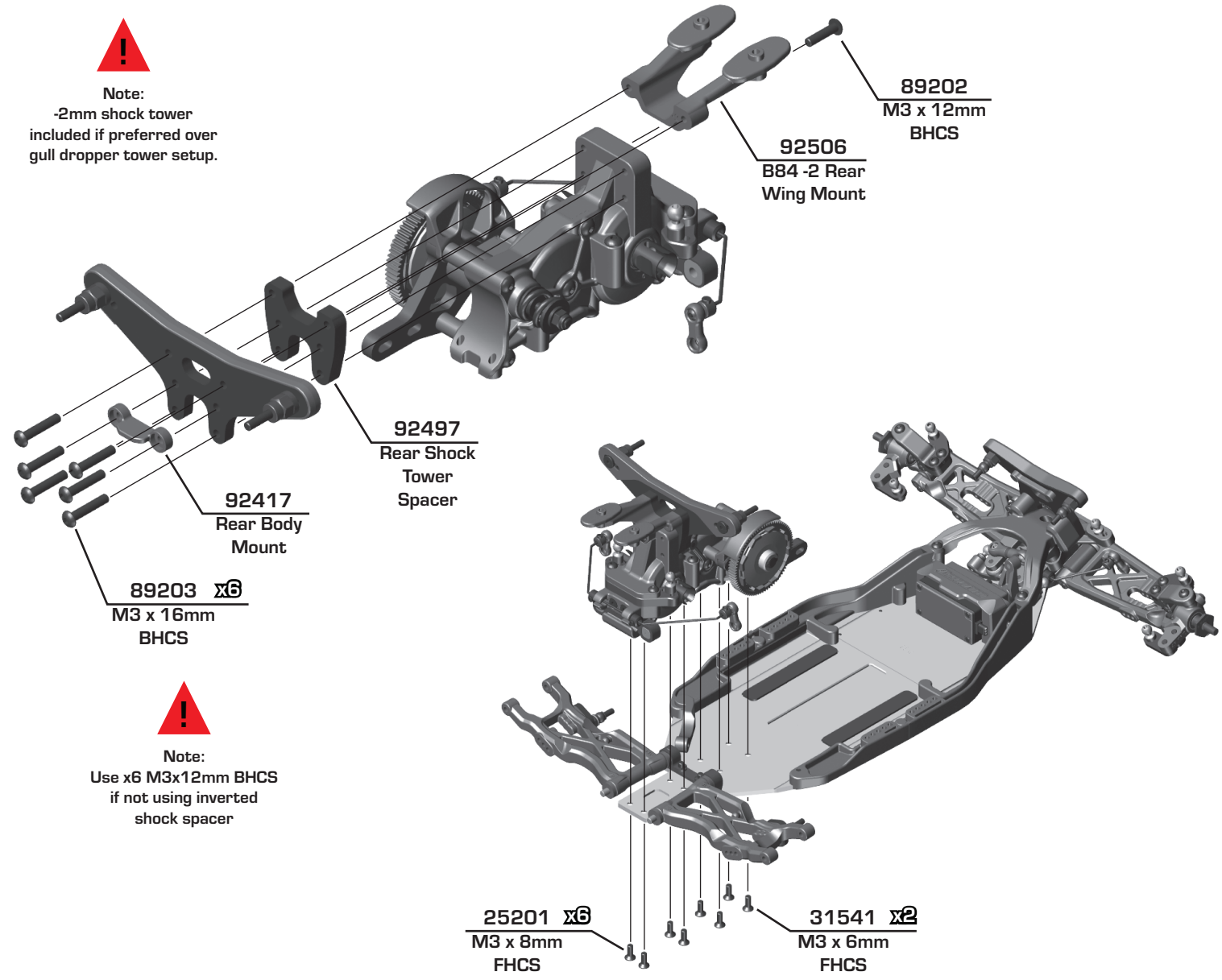


See page 23 for gear mesh, and slipper clutch setting instructions!

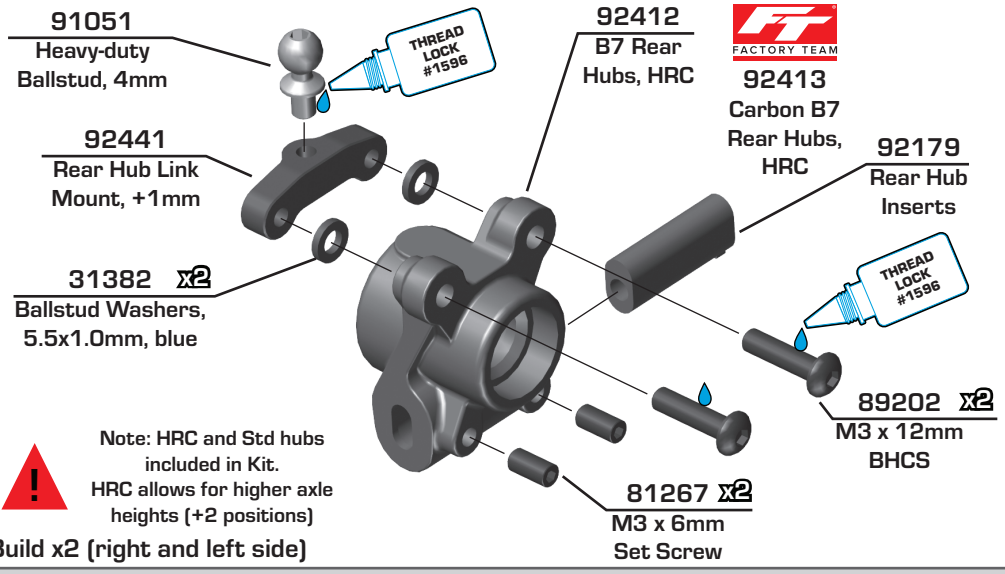
Set nut flush with top shaft as a starting point.

Note:
Optional shock bushing included if not running inverted shocks.

Bag 6 - Step 6



Bag 7 - Step 1

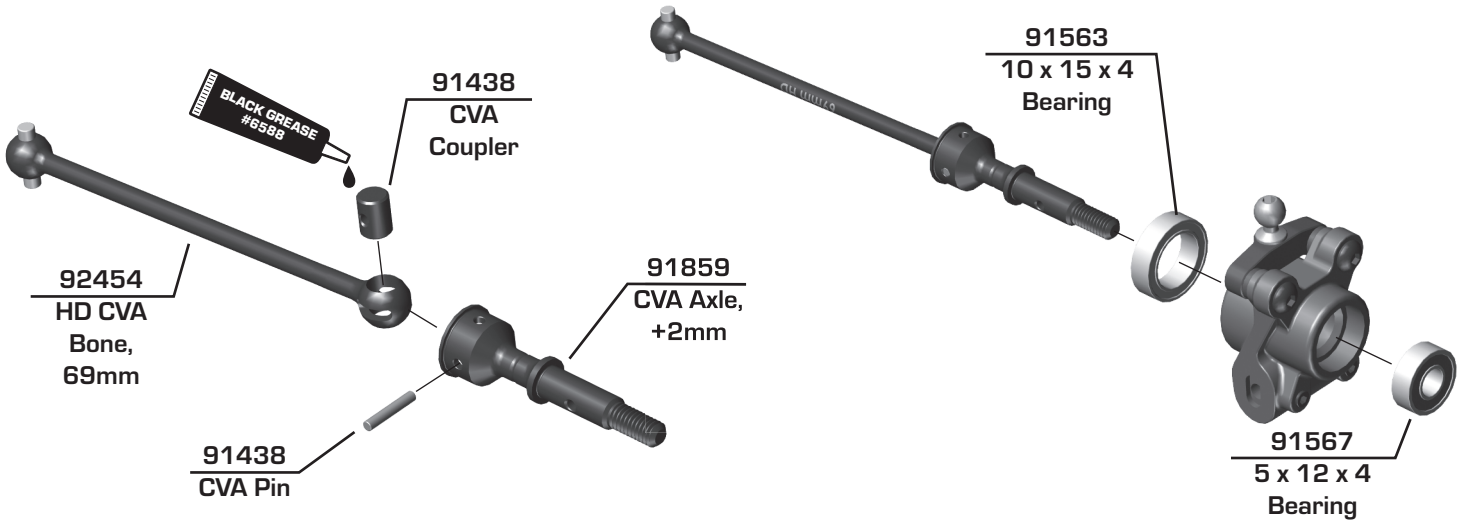


Note: HRC and Std hubs included in Kit. HRC allows for higher axle heights (+2 positions)

Build x2 (right and left side)

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

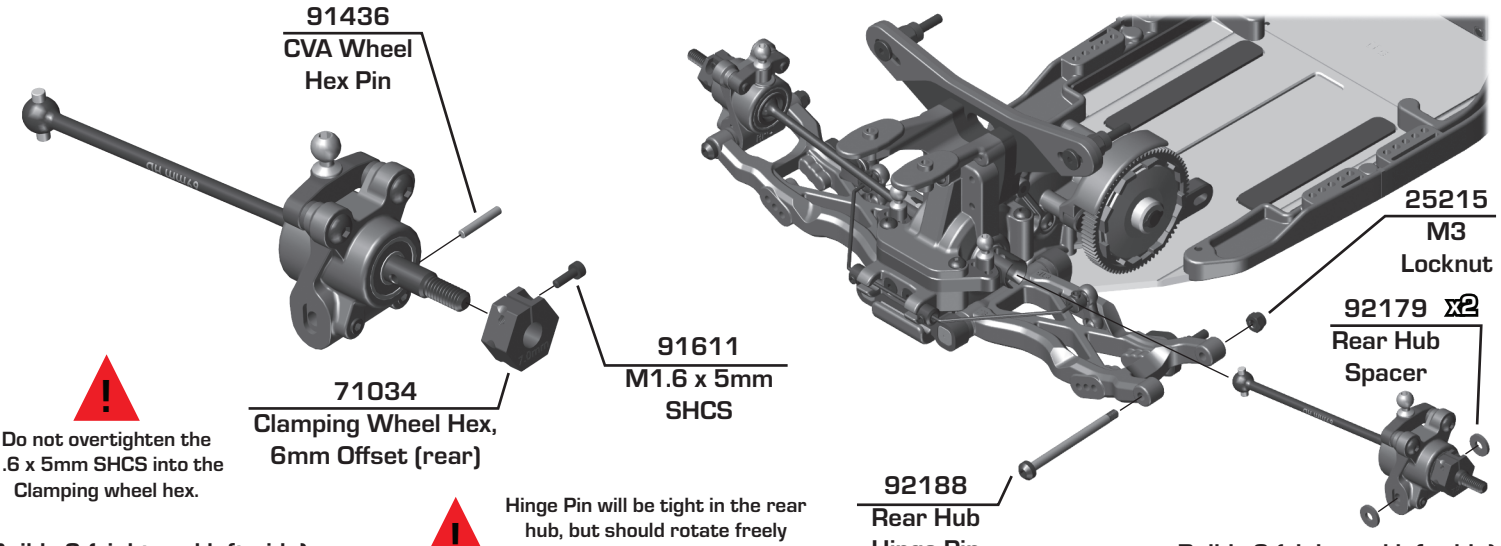
Bag 7 - Step 2



Build x2

Build x2 (right and left side)

Bag 7 - Step 3



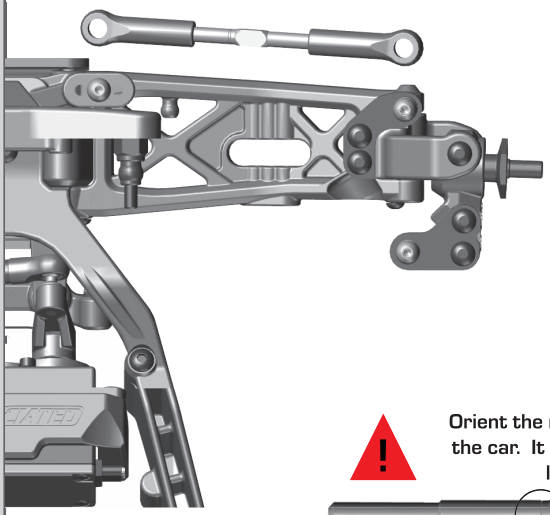
Do not overtighten the 1.6 x 5mm SHCS into the Clamping wheel hex.

Hinge Pin will be tight in the rear hub, but should rotate freely in the rear arms.

Build x2 (right and left side)

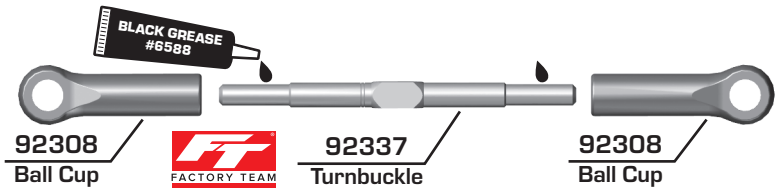
Build x2 (right and left side)

Bag 8 - Step 1



Racers Tip:

Use black grease (#6588) on the threads of the turnbuckles for easier ball cup installation!



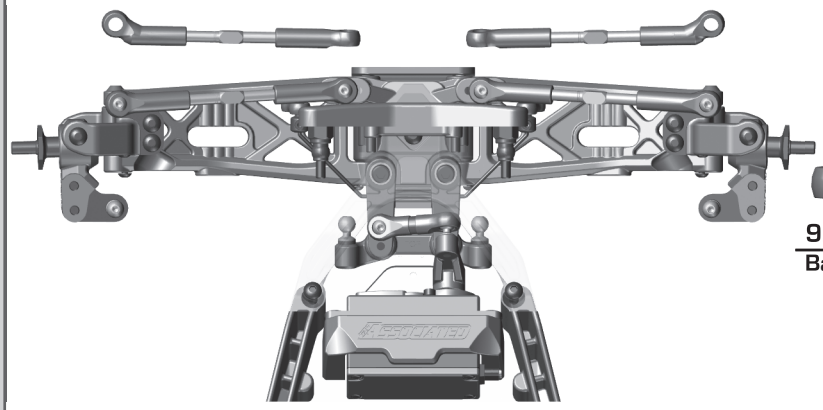
Measurements given are approximation. Camber should be set with a gauge at ride height.

Front Camber Turnbuckle
25.70mm

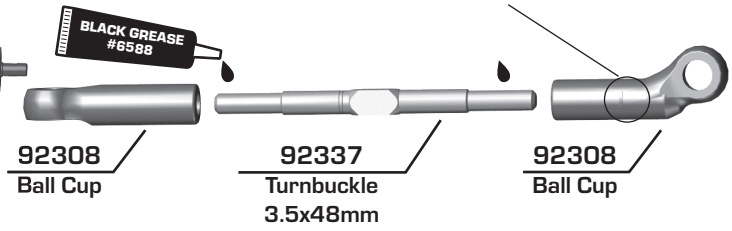
Orient the notch to the left throughout the car. It indicates which end has the left hand threads!

Build x2 (right and left side)

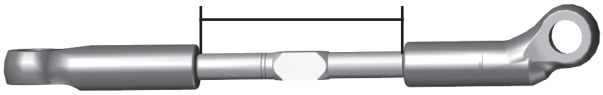
Bag 8 - Step 2



There are two offset ballcups labeled "1" and "2". The ballcup labeled "1" goes on the right side of the vehicle.



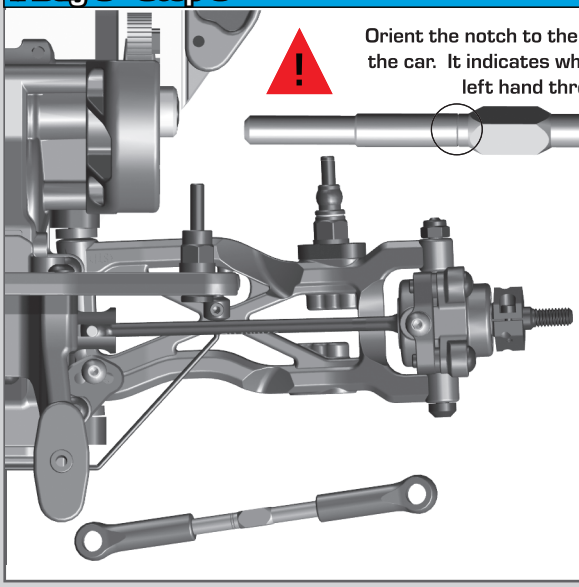
Steering Turnbuckle
27.00mm



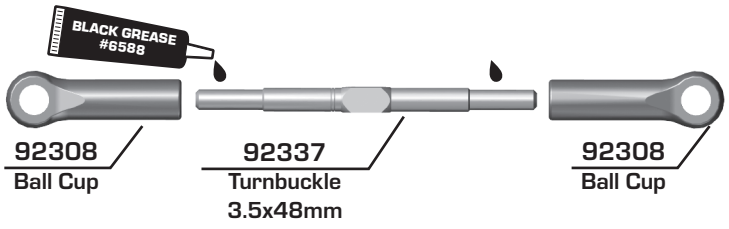
Orient the notch to the left throughout the car. It indicates which end has the left hand threads!

Build x2 (right and left side)

Bag 8 - Step 3

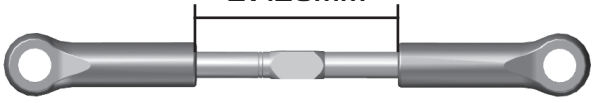


Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



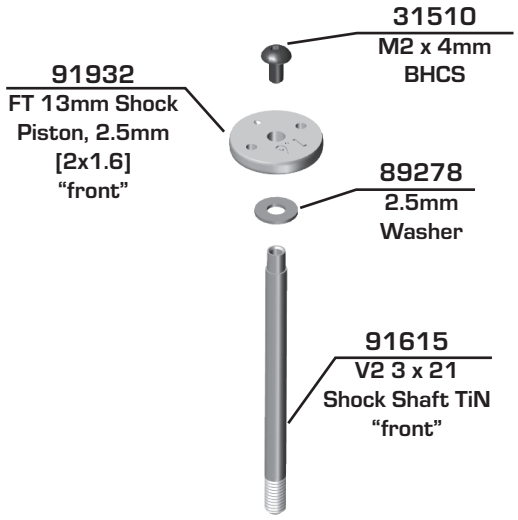
Measurements given are approximation. Camber should be set with a gauge at ride height.

Rear Camber Turnbuckle
27.20mm



Build x2 (right and left side)

Bag 9 - Step 1

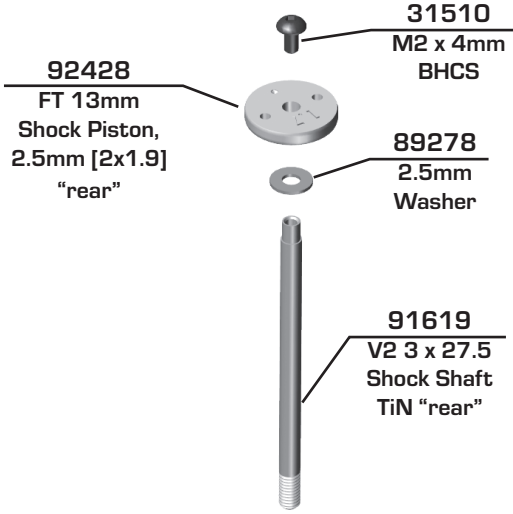


Build x2 front shocks

Mount the shock pistons with the number facing up!

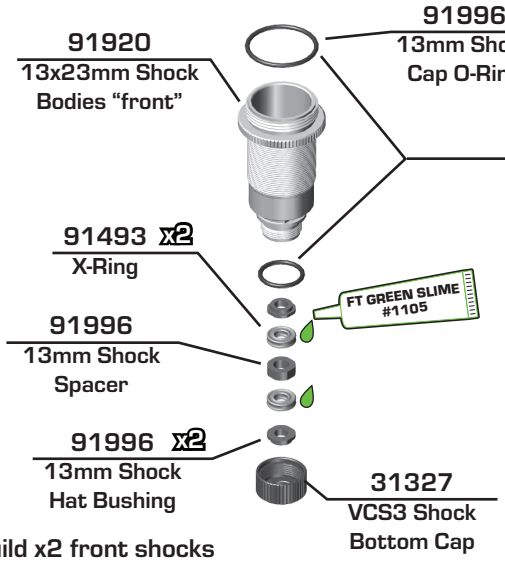
Racers Tip:

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



Build x2 rear shocks

Bag 9 - Step 2

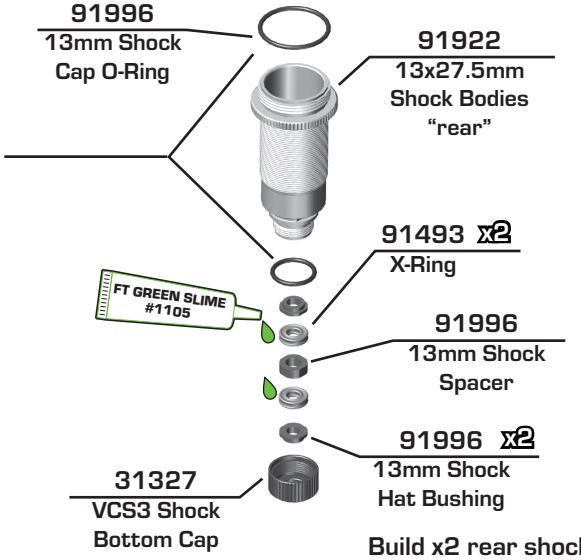


Build x2 front shocks

Lightly rub shock oil on the O-ring before installation!

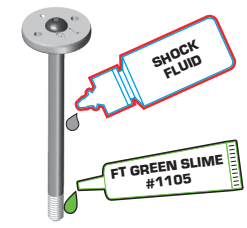
Racers Tip:

Coating the O-rings with green slime (#1105) helps seal & reduce O-ring swell! Green slime not included in kit!



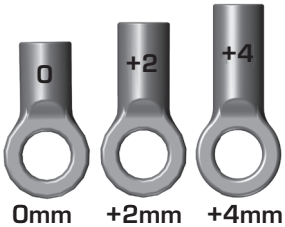
Build x2 rear shocks

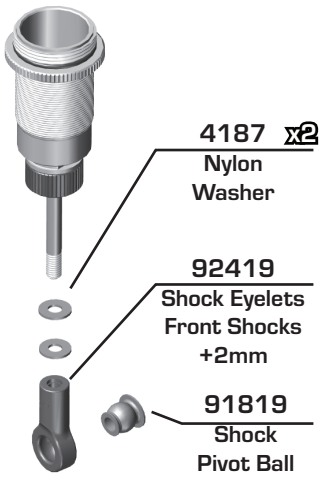
Bag 9 - Step 3



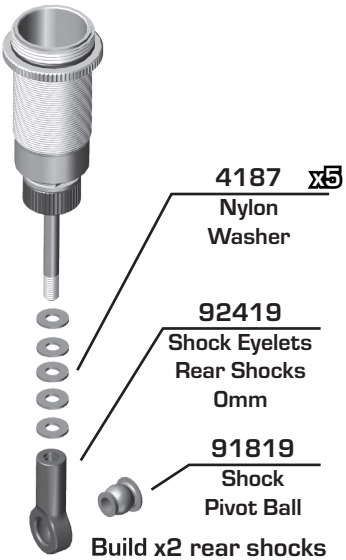
Lightly rub shock fluid or green slime on threads

There are 3 lengths of shock eyelet in the kit. Pay attention to length when building as these affect your droop and uptravel.



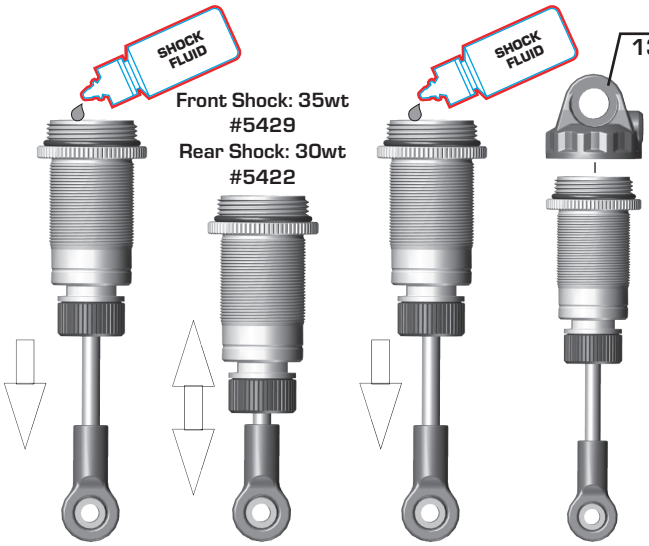


Build x2 front shocks



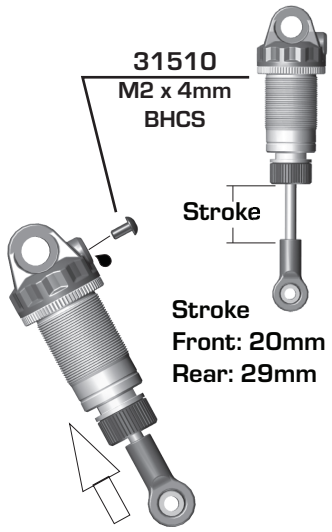
Build x2 rear shocks

Bag 9 - Step 4

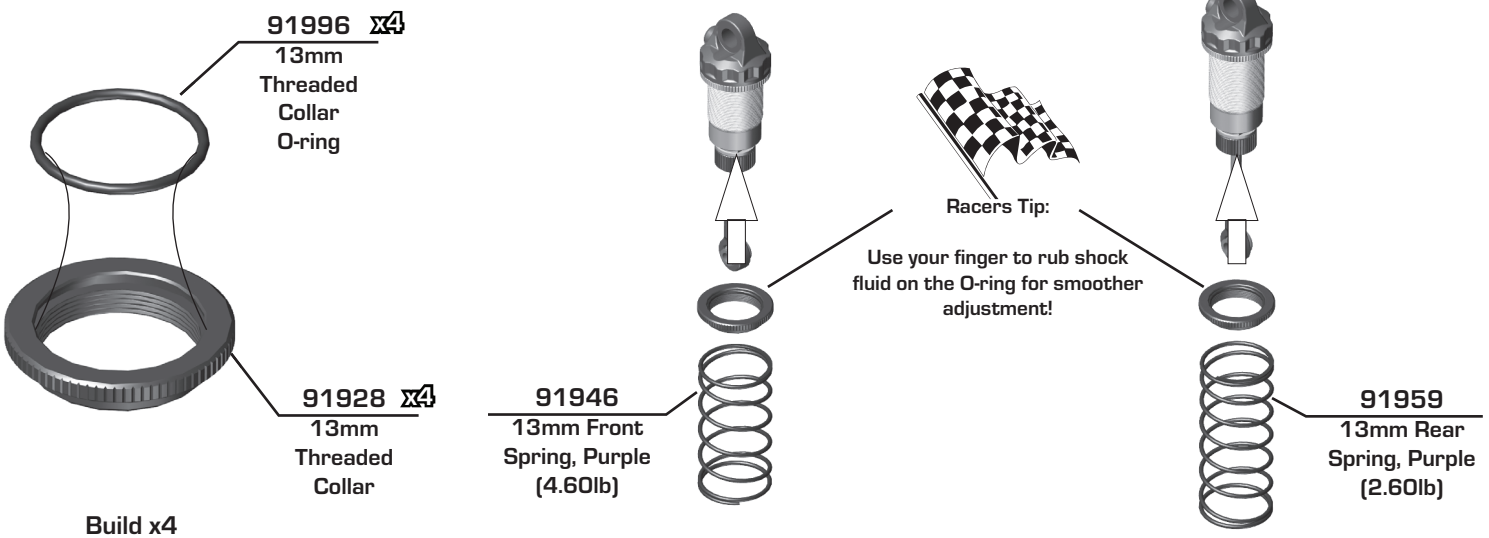


Shock Bleeding Steps:

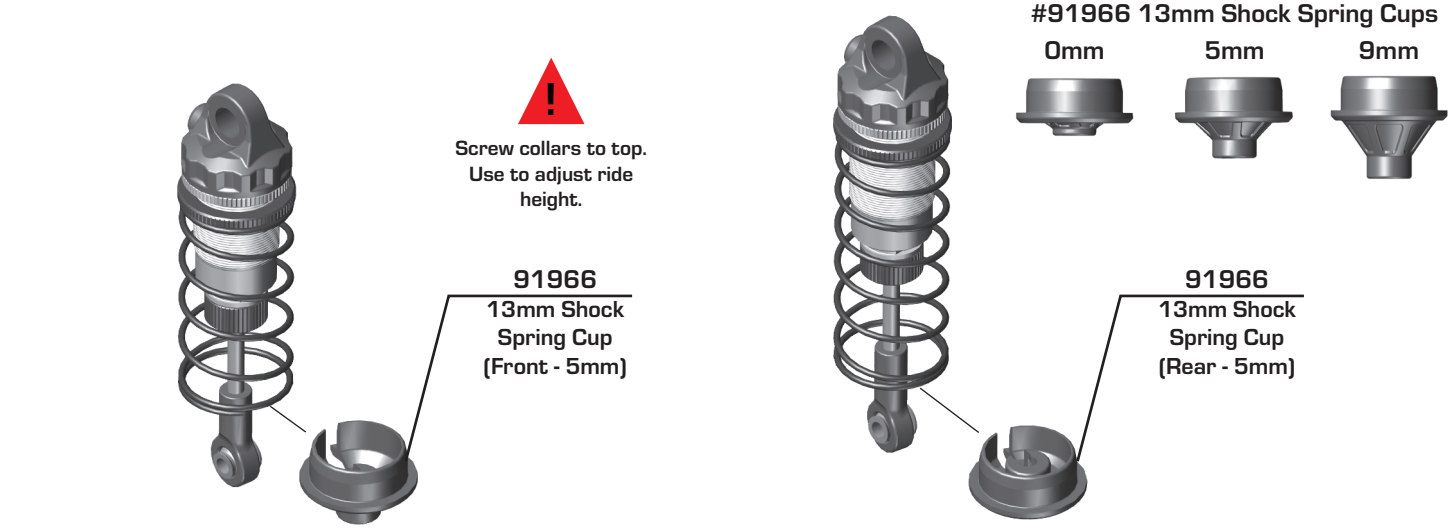
1. Before assembly, get each bleed screw and thread it 1-2 turns into the shock cap, then remove the screw. This will make it easier when you are bleeding your shocks.
2. Pull shock shaft down.
3. Fill shock body 3/4 full with silicone shock fluid.
4. Slowly move the shock shaft up and down to remove air from under the piston.
5. Wait for bubbles to come to surface.
6. Fill shock body to top with silicone shock fluid.
7. Place a drop of oil in the cap and on cap threads.
8. Install cap (without bleed screw) and tighten completely.
9. Slowly compress shaft all the way to bleed excess silicone shock fluid out the hole in the cap (use rag around shock to catch excess fluid).
10. Install M2x4mm button head screw until snug while shaft is fully compressed.



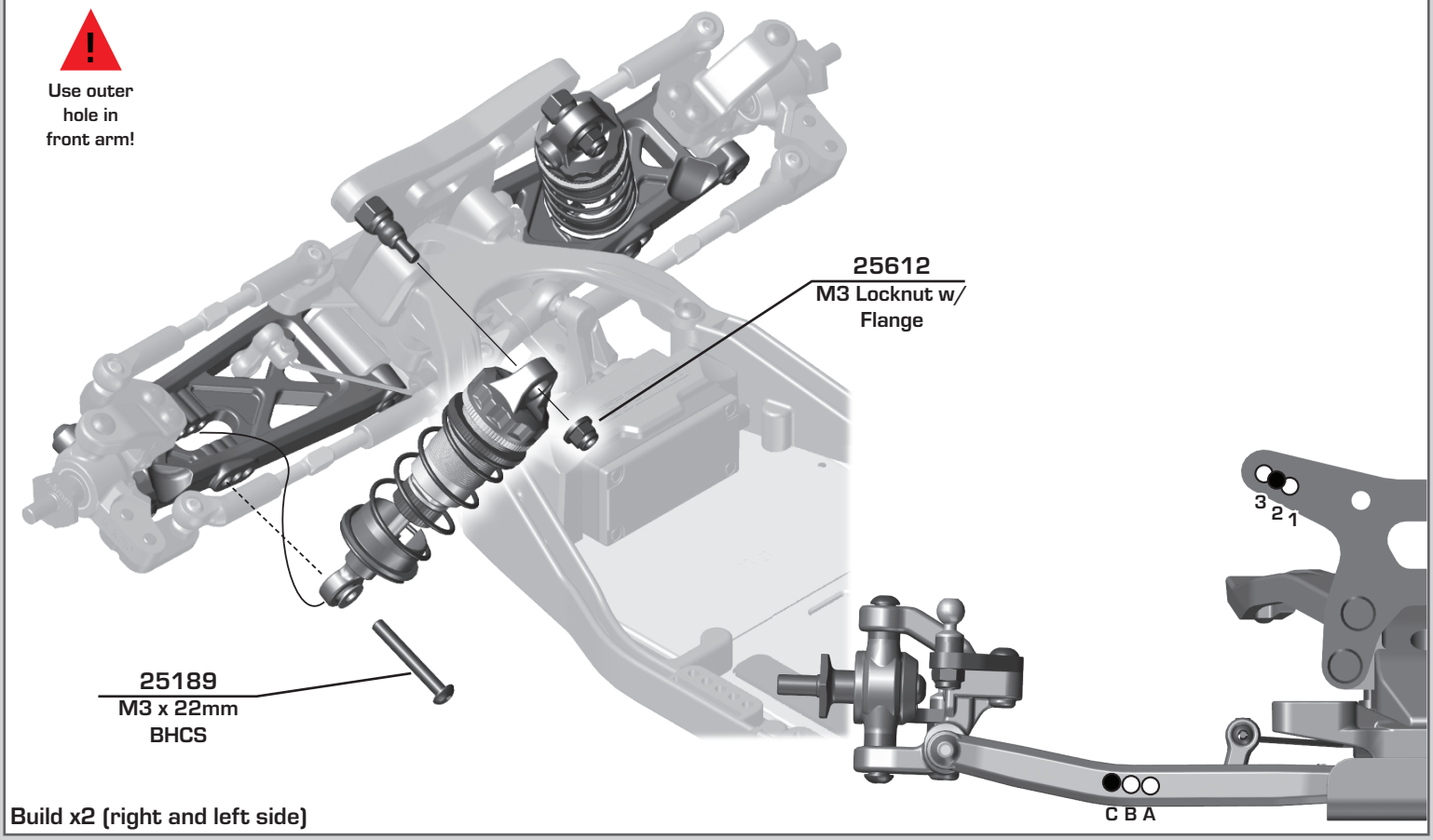
Bag 9 - Step 5



Bag 9 - Step 6

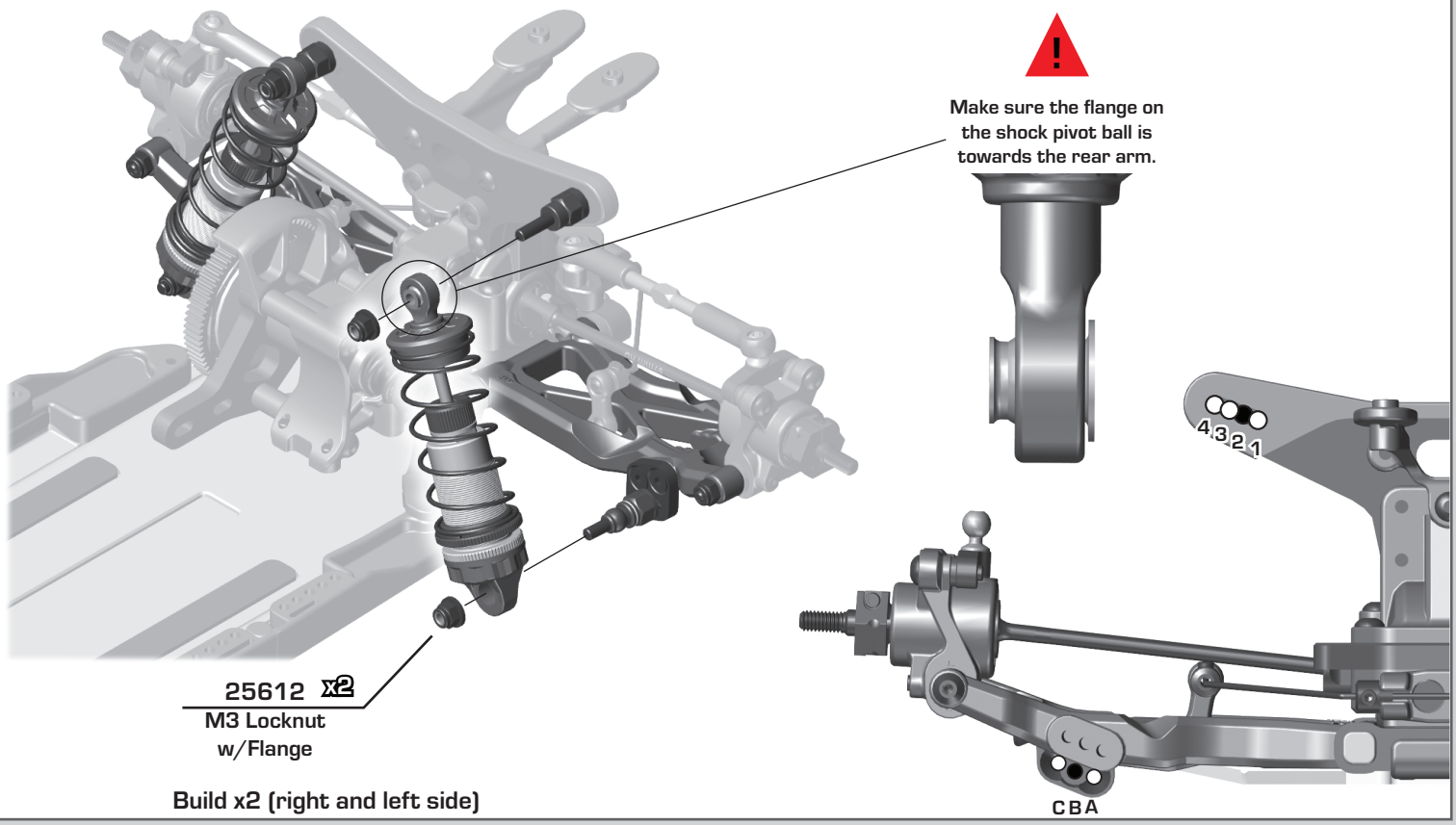


:: Bag 9 - Step 7



Build x2 (right and left side)

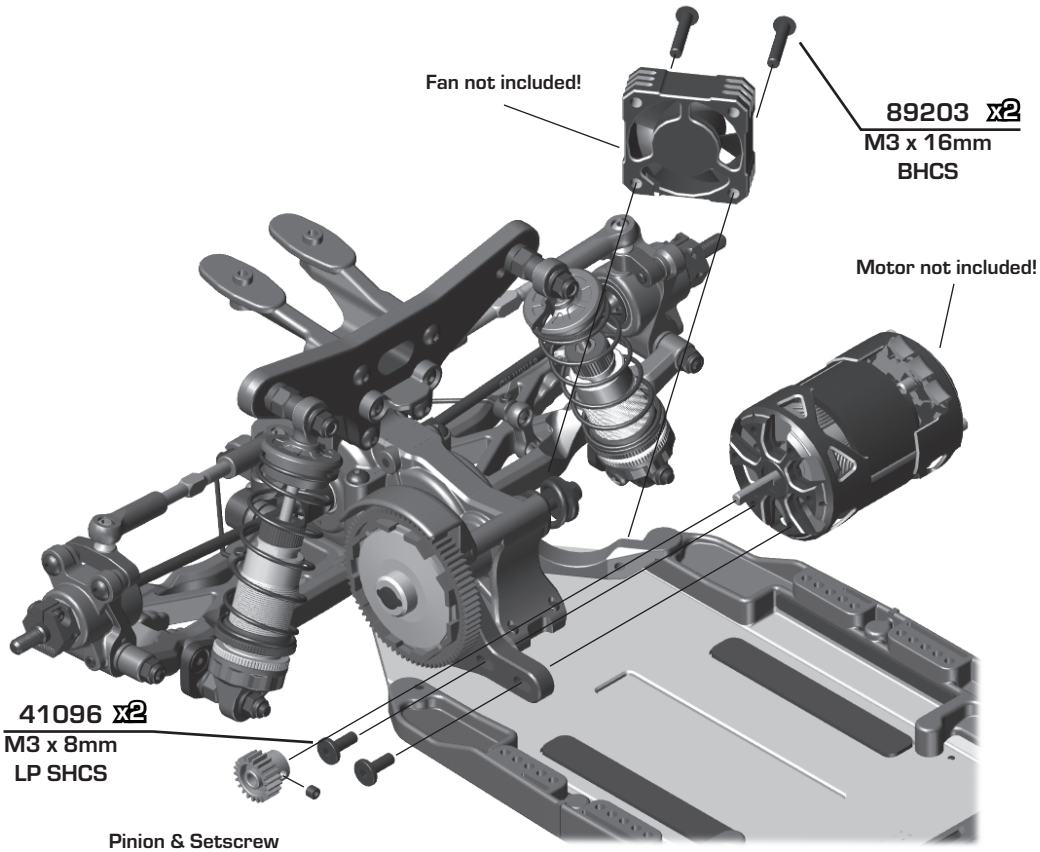
:: Bag 9 - Step 8



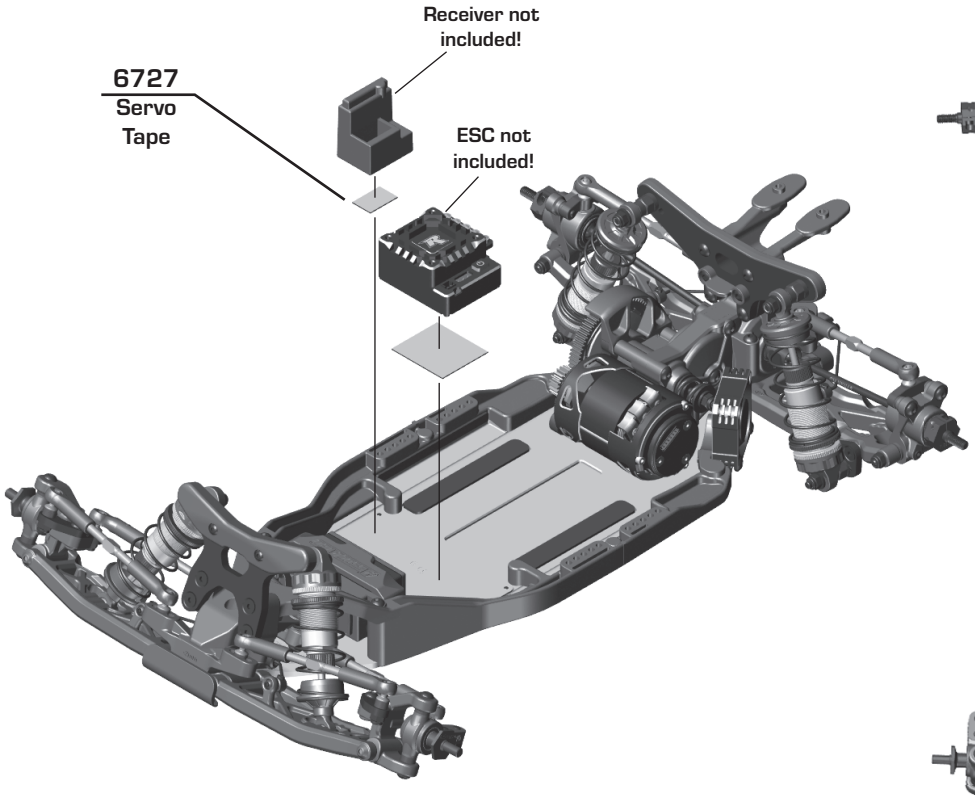
Build x2 (right and left side)

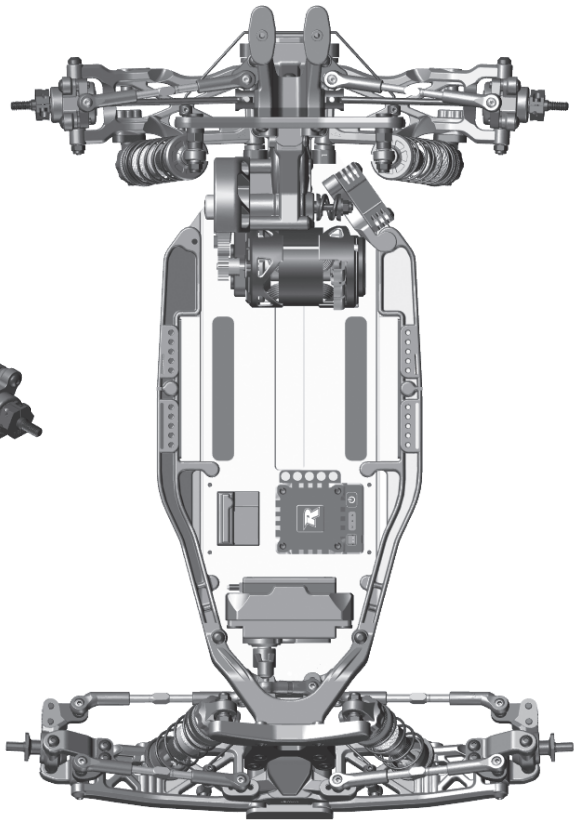
:: Bag 10 - Step 1

See page 25 for gear mesh setting instructions!

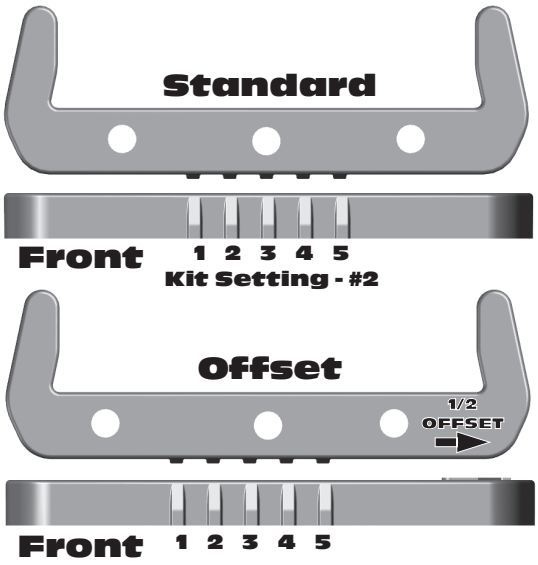


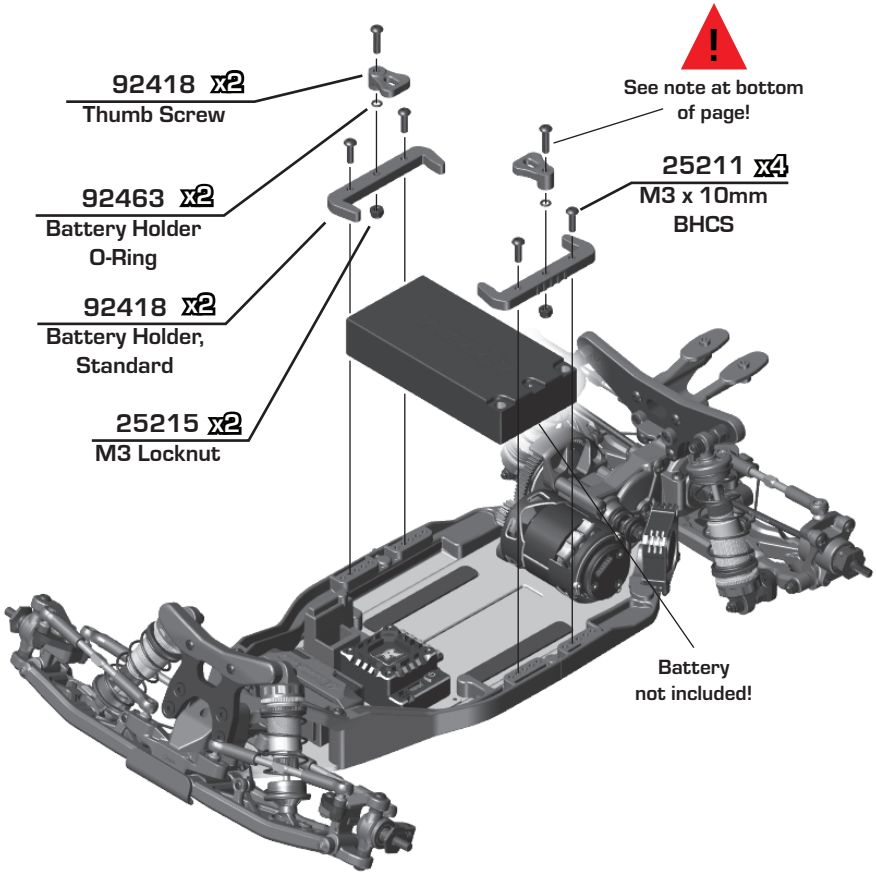
:: Bag 10 - Step 2





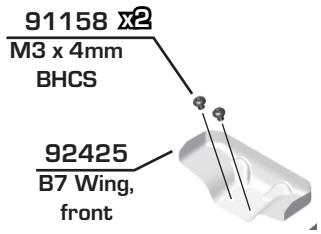
:: Bag 10 - Step 3





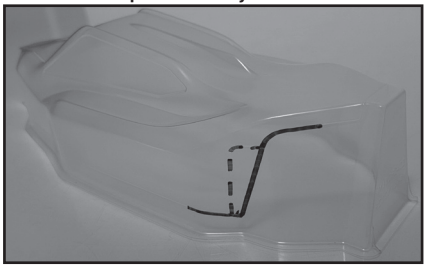
Standard and Low Profile battery thumb screws are included. Shims may need to be added if battery weights are used.
Use M3 x 18mm for standard height
Use M3 x 12mm LP height

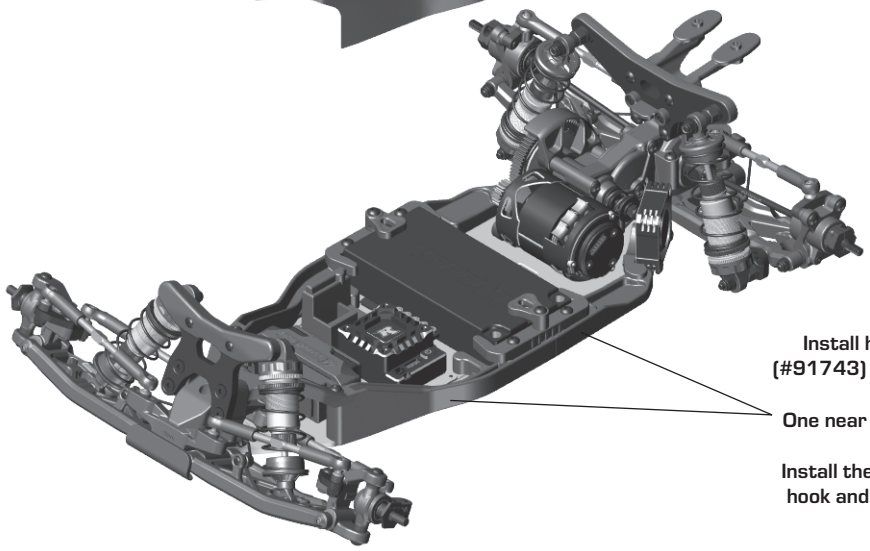
:: Bag 10 - Step 4



92423
B7 Body, Clear (Light Weight)

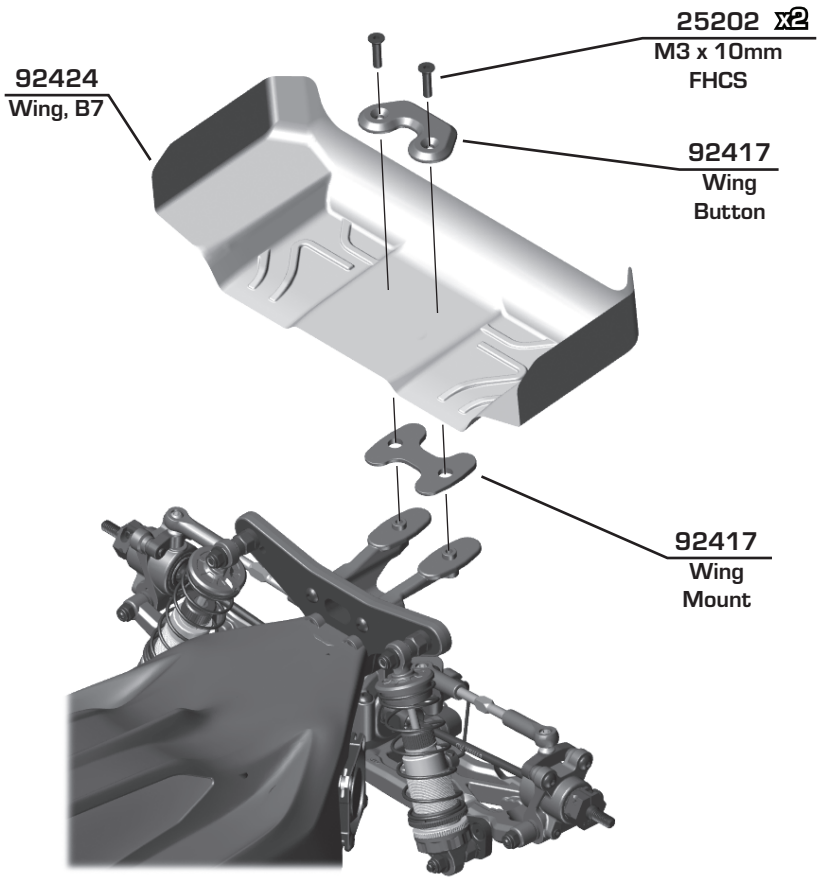
There are two options for trimming the kit body on the left rear side.
Dotted line is preffered if you run a motor fan.





Install hook and loop tape (#91743) along the side braces in 2 spots.
One near the front, and one in the middle.
Install the opposite side of the hook and loop tape inside the body!

:: Bag 10 - Step 5



Install button and washer with wing mount

Wing Mount

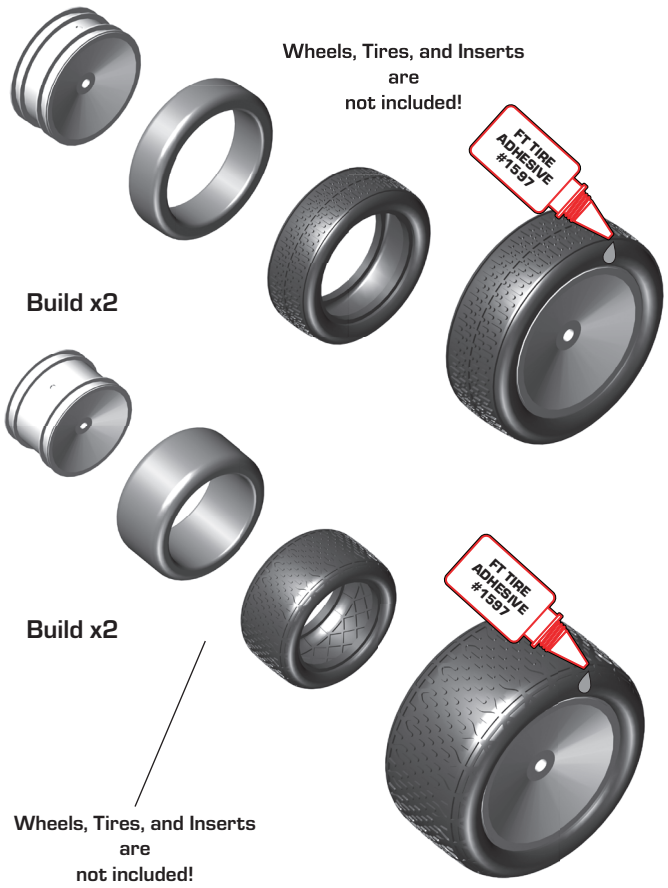
6° - Mount under wing - KIT

3° - Mount on top of wing

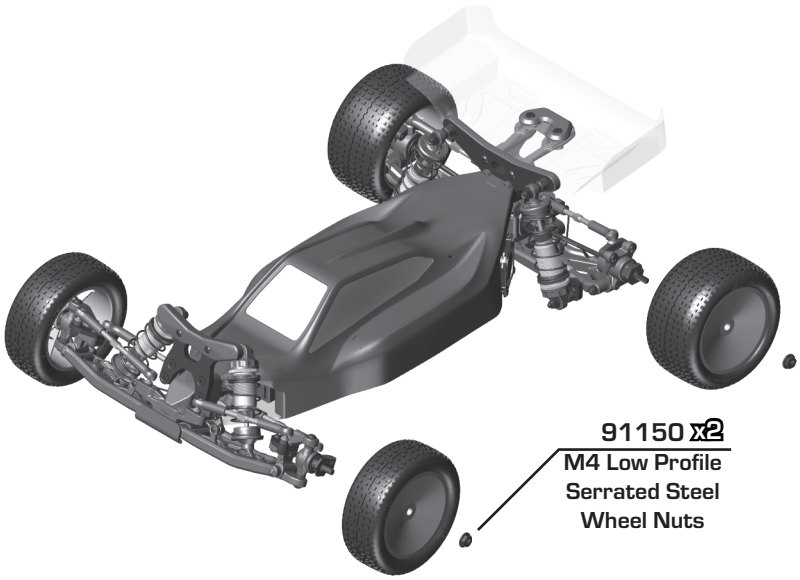
0° - Mount under wing

Front of Vehicle

:: Bag 10 - Step 6



Carefully apply CA glue (tire adhesive) to the tire bead on the side. Do one side at a time, allowing it to dry before gluing the other side!
CA glue not included!



Build 2 (1 left, 1 right)

:: 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 adddtional 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.

Rear Arm Mount Pill Insert Setup:

The aluminum rear arm mounts utilize eccentric pill inserts to make fine adjustments to anti-squat, toe, pin heights, and pin width. Adjustments can be made using the supplied inserts (#92014)

Standard Position

Use this position as a reference when changing pill locations.

Toe: 3°
Anti-squat: 2°
Roll Center: +0
Pivot Width: +0

Arm Mount C

Arm Mount D

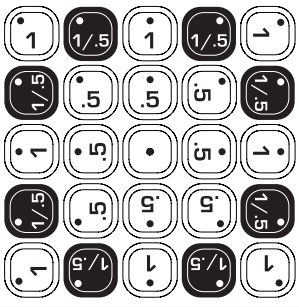
Insert Hole Locations

Number indicates degree of change: 0.5°, 1.0°, 0° (center dot)

Hole 0.5° or 0.35mm from center

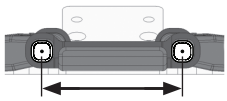
Hole 1.0° or 0.7mm from center

Possible Insert Locations



Pin Width

More distance = wider pivot
Less distance = narrow pivot
*Note: For pin width -1.4mm, use 67mm CVA driveshafts



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	
		= +0.7°mm
		= +0.35°mm
		= 0mm
		= -0.35°mm
		= -0.7°mm

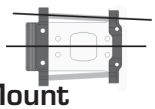
Anti-squat Angle

More angle = More anti-squat
Less angle = Less anti-squat
Shown in 1° changes

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

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°

For additional setup tips, please visit our website by using the link or QR code below.

http://bit.ly/B6PillChart

:: Tuning Tips (cont.)

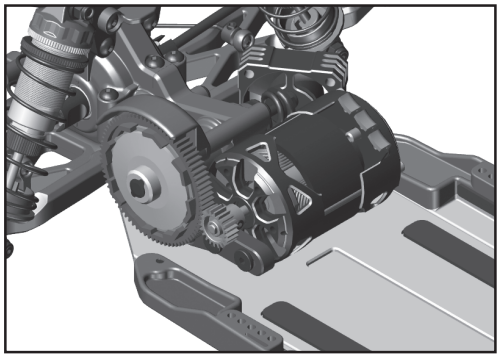
Motor Gearing:

Proper motor gearing will result in maximum performance and run time while reducing the chance of overheating and premature motor failure. The gear ratio chart lists recommended starting gear ratios for the most widely used motor types. Gear ratios will vary depending upon motor brand, wind, and electronic speed control. Consult your motor and electronic speed control manufacturers for more information. Team Associated is not responsible for motor damage due to improper gearing.

B7 Gear Ratio Chart (Internal Gear Ratio 2.60:1)

Motor	Pinion	Spur	Final Drive Ratio
21.5 Reedy S-Plus Brushless	33	72	5.67:1
17.5 Reedy S-Plus Brushless	29	72	6.45:1
13.5 Reedy S-Plus Brushless	27	*75	7.22:1
10.5 Reedy 540-M4 Brushless	24	78	8.45:1
9.5 Reedy 540-M4 Brushless	23	78	8.82:1
8.5 Reedy 540-M4 Brushless	22	78	9.22:1
7.5 Reedy 540-M4 Brushless	21	78	9.65:1
6.5 Reedy 540-M4 Brushless	20	78	10.14:1

*75T spur gear (#92294) not included



Set The Gear Mesh:

You should be able to rock the spur gear back and forth in the teeth of the pinion gear without making the pinion gear move. If the spur gear mesh is tight, then loosen the #41096 screws (p.19) and move the motor away, then try again.
A gear mesh that is too tight or too loose will reduce power and damage the gear teeth.

Diff Height Adjustment:

The diff height adjustment (p.12) is a good way to tune the car for grip level. On high grip with low ride heights, a higher diff height will be a good option. On lower grip with higher ride heights, a lower diff height will be better.

Slipper Clutch:

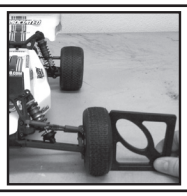
The assembly instructions give you a base setting for your clutch. Turn the nut on the shaft so that the end of the top shaft is even with the outside of the nut. At the track, tighten or loosen the nut in 1/8 turn increments until you hear a faint slipping sound for 1-2 feet on takeoffs. Another popular way to set the clutch is to hold both rear tires firmly in place and apply short bursts of throttle. If the clutch is properly set, the front tires should lift slightly up off the surface.

Caster:

Caster describes the angle of the caster block as it leans toward the rear of the vehicle. Positive caster means the kingpin leans rearward at the top. The kit includes three inserts to adjust caster angle at the caster block, 0°, 2.5°, and +5°. The total caster angle is the sum of the kick-up angle and the caster block angle. Standard total caster angle for the B6 is 30°, with 25° kick-up and +5° caster block angle. For less entry steering and more exit steering, try 0° caster block angle.

Front Camber:

Camber describes the angle at which the tire and wheel rides when looked at from the front. Negative camber means that the tire leans inward at the top. A good starting camber setting is -1°. Positive camber, where the top of the tire is leaning out, is not recommended. A camber gauge can be used to more accurately set camber.



Testing camber with camber gauge

Rear Camber:

Camber describes the angle at which the tire and wheel rides when looked at from the back. Negative camber means that the tire leans inward at the top. A good starting camber setting is -1°. Adding a small amount of positive camber, where the top of the tire is leaning out, will tend to improve straight-line acceleration on loose tracks. A camber gauge can be used to more accurately set camber.

B7.1 TEAM KIT B7.1D TEAM KIT

Driver: Kit Setup (Carpet) Event: Qualify: Main:

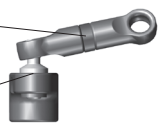
Date: Track: Finish: Best Lap Time:

Front Suspension:

Ride Height:	13mm
Camber:	-1 degree
Toe:	0 degree
Anti-Roll Bar:	1.1mm
Arm Type:	B7.1
Tower Type:	-2mm
Wheel Hex:	6.5mm
Steering Block:	KPI 0 3 Trail
Caster Block Insert:	0 ☐ +2.5 ■ +5 ☐
Bulkhead Type:	
Kick-Up Angle:	-2.5 ☐ 0 ■ +2.5 ☐
Steering Stop Spacing:	1.2mm
Caster Block Spacing:	Fwd ☐ Back ■
Ballstud Mount:	Standard ☐ -2mm ■
Notes:	

Ball Stud Spacing: 2mm

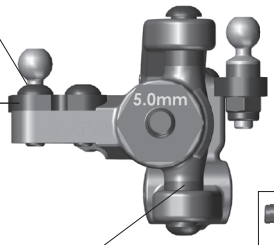
Ball Stud Spacing: 0mm

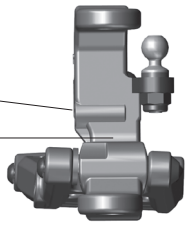


Bump Steer Spacing: 1mm

Position: Top ■ Bottom ☐

Steering Plate: +1



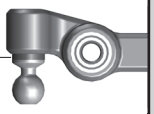


Axle Height:

+3	☐
+2	■
+1	☐
+0	☐

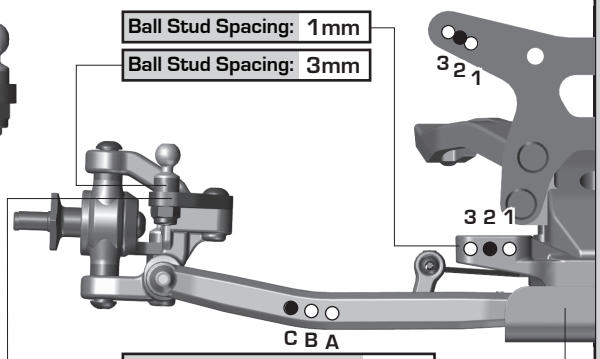
Steering Bellcrank Position: Up ■ Down ☐

Ball Stud Spacing: 2mm



Ball Stud Spacing: 1mm

Ball Stud Spacing: 3mm



Caster Block Link Mount: 0

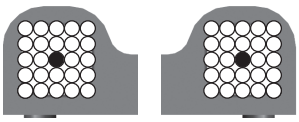
Front Bulkhead Spacing: 1mm

Rear Suspension:

Ride Height:	13mm
Camber:	-2 degree
Anti-Roll Bar:	1.2mm
Arm Type:	V2, 78mm Std. Position
Tower Type:	-2mm Gull Dropper
Arm Spacing:	Fwd ☐ Mid ■ Back ☐
Wheel Hex:	6mm
Hub Type:	Std ☐ HRC ■ Kit
Hub Spacing:	Fwd ☐ Mid ■ Back ☐
Drive Shaft:	CVA's ■ Universals ☐
Notes:	

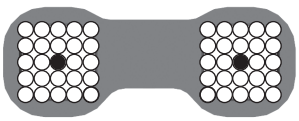
C Mount:

Aluminum ■ Steel ☐



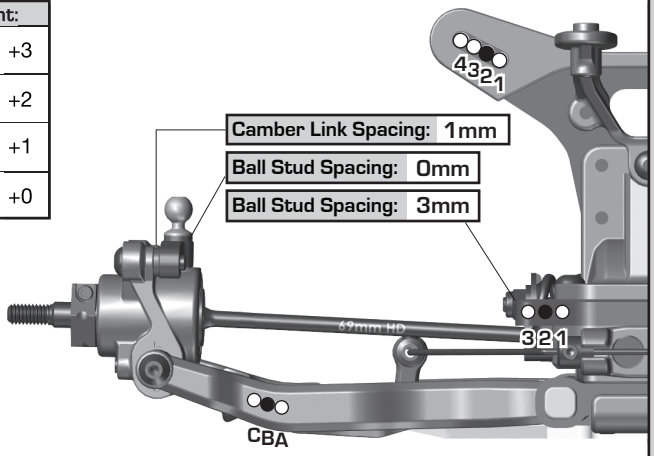
D Mount:

Aluminum ■ Steel ☐



Axle Height:

▼0	3▲	+3
▼1	2▲	+2
▲1	2▼	+1
▲0	3▼	+0



Camber Link Spacing: 1mm

Ball Stud Spacing: 0mm

Ball Stud Spacing: 3mm

Electronics:

Radio:	Servo:
EPA: Throttle: %	Brake: %
ESC:	
ESC Settings:	
Motor / Wind:	Timing:
Pinion:	Spur:

Battery Mount: Std ■ Offset ☐

Back 1 ☐ 2 ■ 3 ☐ 4 ☐ 5 ☐ Forward

Battery:	Weight:
Notes:	

Drivetrain:

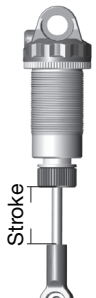
Differential:	Ball Diff: ☐
Height: 2	Gear Diff: ■
Diff Setting: HTC, 100k	
Notes:	

Slipper Clutch:

Type:	HD
# of Pads:	2x11mm
Setting:	
Notes:	

Shocks:

	Front	Rear
Piston:	2x1.6mm	2x1.9mm
Thickness:	2.5mm	2.5mm
Fluid:	35wt	30wt
Spring:	Purple	Purple
Limiters:	Int: ___ Ext: 2	Int: ___ Ext: 5
Stroke:	20mm	29mm
Eyelet:	0	+2
Cup Offset:	0 ☐ +5 ■ +9 ☐	0 ☐ +5 ■ +9 ☐



Kashima Bodies: ☐ Chrome Shafts: ☐ Machined Spacers: ☐

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:	RC10B7
Front Wing:	
Rear Wing:	RC10B7
Wing Angle:	0° ☐ 3° ☐ 6° ■
Chassis Length:	Standard
Servo Weights:	None
Electronic Weights:	Aluminum
Total Vehicle Weight:	

Vehicle Comments:

Notes:

:: For more setups, visit https://www.associatedelectrics.com/teamassociated/manuals_and_setup_sheets/

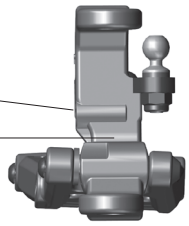
B7.1 TEAM KIT B7.1D TEAM KIT

Driver: _____ Event: _____ Qualify: _____ Main: _____

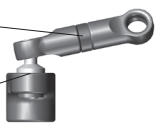
Date: _____ Track: _____ Finish: _____ Best Lap Time: _____

Front Suspension:

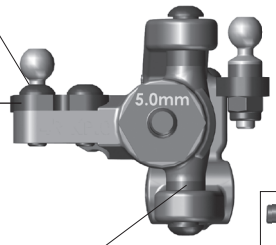
Ride Height:
Camber:
Toe:
Anti-Roll Bar:
Arm Type:
Tower Type:
Wheel Hex:
Steering Block:
Caster Block Insert: 0 ☐ +2.5 ☐ +5 ☐
Bulkhead Type:
Kick-Up Angle: -2.5 ☐ 0 ☐ +2.5 ☐
Steering Stop Spacing:
Caster Block Spacing: Fwd ☐ Back ☐
Ballstud Mount: Standard ☐ -2mm ☐
Notes:



Ball Stud Spacing:
Ball Stud Spacing:

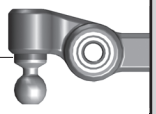


Bump Steer Spacing:
Position: Top ☐ Bottom ☐
Steering Plate:

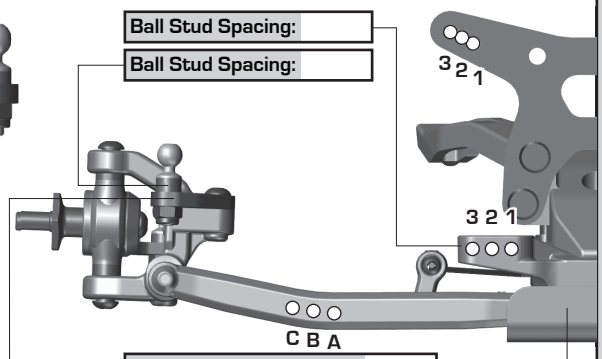


Axle Height:
+3 ☐
+2 ☐
+1 ☐
+0 ☐

Steering Bellcrank Position: Up ☐ Down ☐
Ball Stud Spacing:



Ball Stud Spacing:
Ball Stud Spacing:

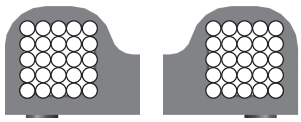


Caster Block Link Mount:
Front Bulkhead Spacing:

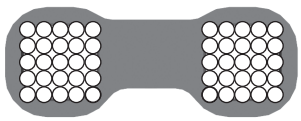
Rear Suspension:

Ride Height:
Camber:
Anti-Roll Bar:
Arm Type:
Tower Type:
Arm Spacing: Fwd ☐ Mid ☐ Back ☐
Wheel Hex:
Hub Type: Std ☐ HRC ☐ _____
Hub Spacing: Fwd ☐ Mid ☐ Back ☐
Drive Shaft: CVA's ☐ Universals ☐
Notes:

C Mount:
Aluminum ☐ Steel ☐

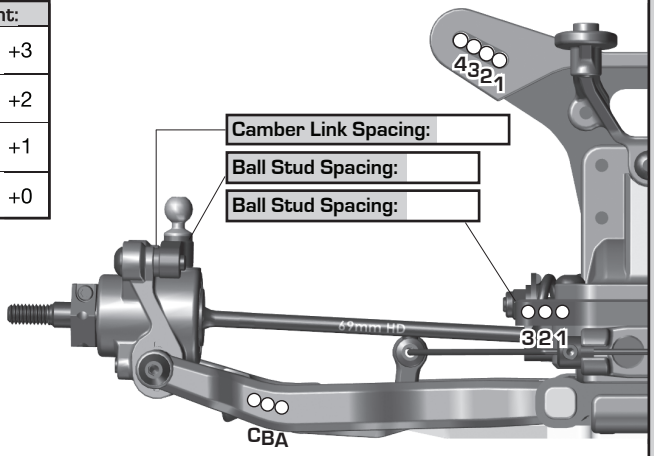


D Mount:
Aluminum ☐ Steel ☐



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

Camber Link Spacing:
Ball Stud Spacing:
Ball Stud Spacing:



Electronics:

Radio: Servo:
EPA: Throttle: % Brake: %
ESC:
ESC Settings:
Motor / Wind: Timing:
Pinion: Spur:
Battery Mount: Std ☐ Offset ☐

Back 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ Forward

Battery: Weight:
Notes:

Drivetrain:

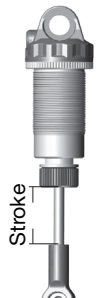
Differential: Ball Diff: ☐
Height: _____ Gear Diff: ☐
Diff Setting: _____
Notes:

Slipper Clutch:

Type:
# of Pads:
Setting:
Notes:

Shocks:

	Front	Rear
Piston:		
Thickness:		
Fluid:		
Spring:		
Limiters:	Int: ____ Ext: ____	Int: ____ Ext: ____
Stroke:		
Eyelet:		
Cup Offset:	0 ☐ +5 ☐ +9 ☐	0 ☐ +5 ☐ +9 ☐



Kashima Bodies: ☐ Chrome Shafts: ☐ Machined Spacers: ☐
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:
Wing Angle: 0° ☐ 3° ☐ 6° ☐
Chassis Length:
Servo Weights:
Electronic Weights:
Total Vehicle Weight:

Vehicle Comments:

Notes: _____

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21062 Bake Parkway Lake Forest, CA 92630 USA

call: (949) 544-7500 - fax: (949) 544-7501

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