

**RC8  
T4.2  
TEAM KIT**

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T4.2  
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# TEAM ASSOCIATED

1:8 Scale 4WD Nitro and Electric Off Road Competition Truggy Kits Manual

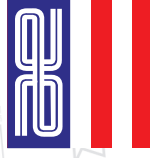
#80957 RC8T4.2 Team Kit and #80958 RC8T4.2e Team Kit



**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 Kit. Please take a moment to read through this manual to help familiarize yourself with these steps. We are continually changing and improving our designs; therefore, actual parts may appear slightly different than in 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.

## :: KIT Features

### RC8T4.2 Features:

- Molded height-adjustable gearboxes front and rear
- Updated shock towers for height-adjustable gearboxes that feature more body mount height options
- New molded suspension arms front and rear for increased durability and modern look
- New 16deg KPI steering block with updated bump steer geometry
- New rear anti-roll bar with wider mounting points
- New tapered side nitro truggy chassis with improved chassis stiffness options
- New molded top plate included
- High-volume center differential
- High-downforce wing
- Includes FT hard-anodized aluminum shock bushings
- Updated brake pad material and brake spring
- 40/9 ring and pinion gear sets included
- 131mm universal driveshafts with 17mm outdrives
- 19mm and 20mm diameter HTC internal differential gear sets included
- Bladder and emulsion style shock seals included
- FT hexes and grooved pins included

### RC8T4.2e Features:

- Molded height-adjustable gearboxes front and rear
- Updated shock towers for height-adjustable gearboxes that feature more body mount height options
- New molded suspension arms front and rear for increased durability and modern look
- New 16deg KPI steering block with updated bump steer geometry
- New rear anti-roll bar with wider mounting points
- New molded top plate included
- High-volume center differential
- High-downforce wing
- Includes FT hard-anodized aluminum shock bushings
- Updated brake pad material and brake spring
- 40/9 ring and pinion gear sets included
- 131mm universal driveshafts with 17mm outdrives
- 19mm and 20mm diameter HTC internal differential gear sets included
- Bladder and emulsion style shock seals included
- FT hexes and grooved pins included

## :: Additional

Your new RC8T4.2 / T4.2e comes as a kit.

There are some items you will need to complete your kit (refer to website for suggestions):

- |                                                                                 |                                 |
|---------------------------------------------------------------------------------|---------------------------------|
| • 4.8-7.4v receiver battery (Flat style NiMH, Flat style LiPo, Flat style LiFe) | • Transmitter batteries         |
| • 2 or 3 channel radio/transmitter set with switch (2.4GHz recommended)         | • Throttle and Steering servos  |
| • Polycarbonate body and specific paint                                         | • Reamer / hole punch - (#1499) |
| • Model car fuel (20-30% nitro recommended)                                     | • Glow igniter - (#27377)       |
| • .21 class rear exhaust engine                                                 | • Fuel bottle - (#1747)         |
| • CA (cyanoacrylic) glue - (#1597)                                              | • Hobby knife                   |
| • Thread-locking compound - (#1596)                                             |                                 |
| • 1:8 scale truggy wheels/tires                                                 |                                 |
| • Starter box - (#1751)                                                         |                                 |
| • Exhaust system                                                                |                                 |
| • Needle-nose pliers                                                            |                                 |
| • Ride height gauge                                                             |                                 |

## :: Other Helpful Items

- |                                                                       |                                 |
|-----------------------------------------------------------------------|---------------------------------|
| • Silicone Shock/Diff Fluids (Refer to website for complete listings) | • Body Scissors (AE #1737)      |
| • Shock Pliers                                                        | • FT Hex Wrenches - (#1518)     |
| • Reamer / Hole Punch - (#1499)                                       | • FT Nut Drivers - (#1519)      |
|                                                                       | • Calipers or a Precision Ruler |
| • Wire Cutters                                                        |                                 |

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## :: Hardware - 1:1 Scale View

### Flat Head (fhcs)

|                                                                                    |                        |
|------------------------------------------------------------------------------------|------------------------|
|    | <b>2.5x6mm (4675)</b>  |
|    | <b>2.5x8mm (31448)</b> |
|    | <b>3x5mm (31540)</b>   |
|    | <b>3x6mm (31541)</b>   |
|    | <b>3x8mm (25201)</b>   |
|    | <b>3x10mm (25202)</b>  |
|    | <b>3x12mm (25203)</b>  |
|    | <b>3x14mm (89208)</b>  |
|    | <b>3x30mm (89212)</b>  |
|    | <b>4x10mm (81262)</b>  |
|  | <b>4x12mm (89214)</b>  |
|  | <b>4x14mm (89217)</b>  |
|  | <b>4x16mm (81263)</b>  |
|  | <b>4x20mm (81264)</b>  |

### Socket Head (shcs)

|                                                                                    |                       |
|------------------------------------------------------------------------------------|-----------------------|
|  | <b>2x5mm (31511)</b>  |
|  | <b>2x16mm (7184)</b>  |
|  | <b>3x10mm (25620)</b> |
|  | <b>3x12mm (89454)</b> |
|  | <b>3x24mm (89225)</b> |
|  | <b>3x26mm (89226)</b> |
|  | <b>3x28mm (89227)</b> |

### Button Head (bhcs)

|                                                                                     |                         |
|-------------------------------------------------------------------------------------|-------------------------|
|    | <b>2.5x6mm (31520)</b>  |
|    | <b>2.5x8mm (31521)</b>  |
|    | <b>2.5x18mm (81259)</b> |
|    | <b>3x5mm (31530)</b>    |
|    | <b>3x6mm (31531)</b>    |
|    | <b>3x8mm (31532)</b>    |
|    | <b>3x10mm (25211)</b>   |
|    | <b>3x12mm (89202)</b>   |
|    | <b>3x14mm (25187)</b>   |
|    | <b>3x16mm (89203)</b>   |
|  | <b>3x18mm (2308)</b>    |
|  | <b>3x20mm (25188)</b>   |
|  | <b>3x22mm (25189)</b>   |
|  | <b>3x24mm (89204)</b>   |
|  | <b>4x10mm (81206)</b>   |
|  | <b>4x12mm (81207)</b>   |
|  | <b>4x14mm (81260)</b>   |
|  | <b>4x16mm (81261)</b>   |

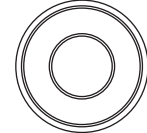
### LP Socket Head (lp shcs)

|                                                                                     |                       |
|-------------------------------------------------------------------------------------|-----------------------|
|  | <b>3x6mm (41089)</b>  |
|  | <b>3x10mm (41090)</b> |
|  | <b>3x14mm (41094)</b> |
|  | <b>3x16mm (41093)</b> |
|  | <b>3x20mm (41091)</b> |

### Set Screws

|                                                                                     |                       |
|-------------------------------------------------------------------------------------|-----------------------|
|  | <b>3x3mm (25225)</b>  |
|  | <b>3x6mm (81257)</b>  |
|  | <b>3x10mm (4671)</b>  |
|  | <b>3x12mm (81258)</b> |
|  | <b>4x4mm (7732)</b>   |
|  | <b>5x4mm (89221)</b>  |

### Ball Bearings

|                                                                                       |                                 |
|---------------------------------------------------------------------------------------|---------------------------------|
|    | <b>5x8x2.5mm (8680)</b>         |
|    | <b>5x10x4mm (91560)</b>         |
|   | <b>6x10mm (31404)</b>           |
|  | <b>6x12x4mm (91561)</b>         |
|  | <b>8x16x5mm (91564)</b>         |
|  | <b>8x16x5mm flanged (91565)</b> |

### Nuts (lock/plain)

|                                                                                       |                                       |
|---------------------------------------------------------------------------------------|---------------------------------------|
|  | <b>M3 Nut (91477)</b>                 |
|  | <b>M3 Alum. Locknut, Blue (31550)</b> |
|                                                                                       | <b>M3 Locknut, Black (25215)</b>      |
|  | <b>M3 Locknut w/Flange (25612)</b>    |
|                                                                                       | <b>FT 3mm Locknuts, Blue (25392)</b>  |
|  | <b>FT M4 Locknut, Blue (31551)</b>    |
|                                                                                       | <b>M4 Locknut, Serrated (91738)</b>   |

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## :: Notes



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



***This symbol indicates a specific build order in the manual.***



***This symbol indicates a Racers Tip.***



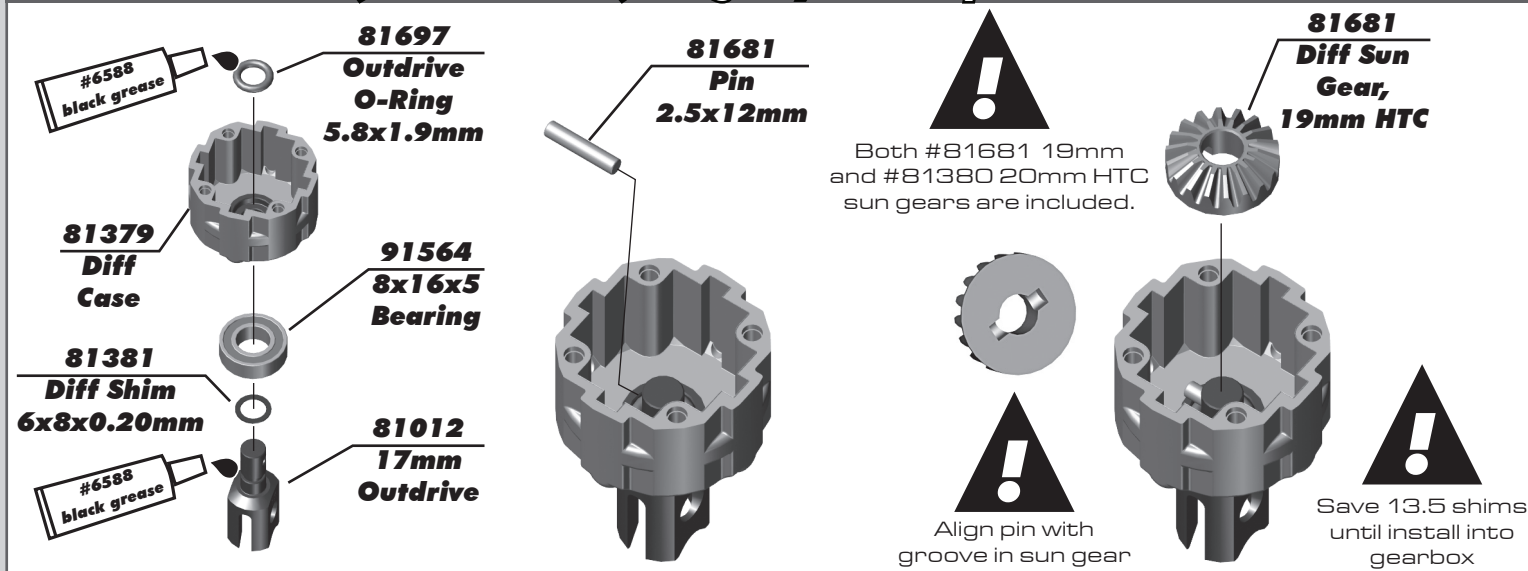
***There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.***

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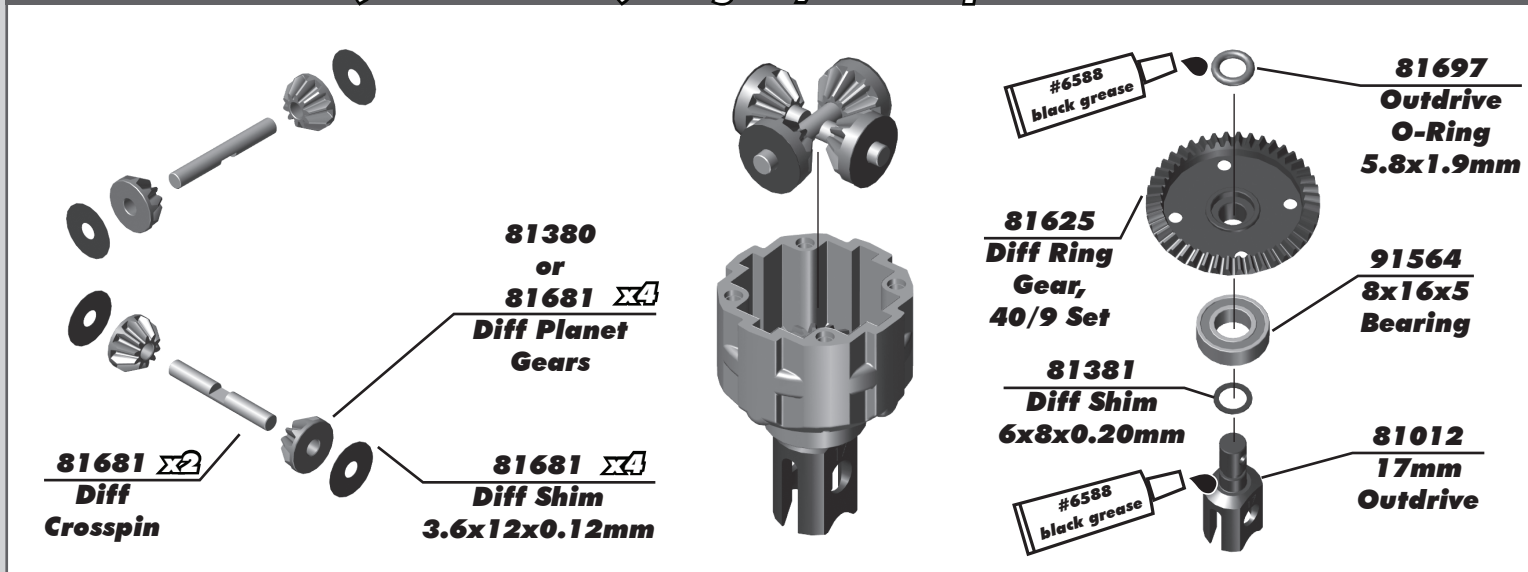


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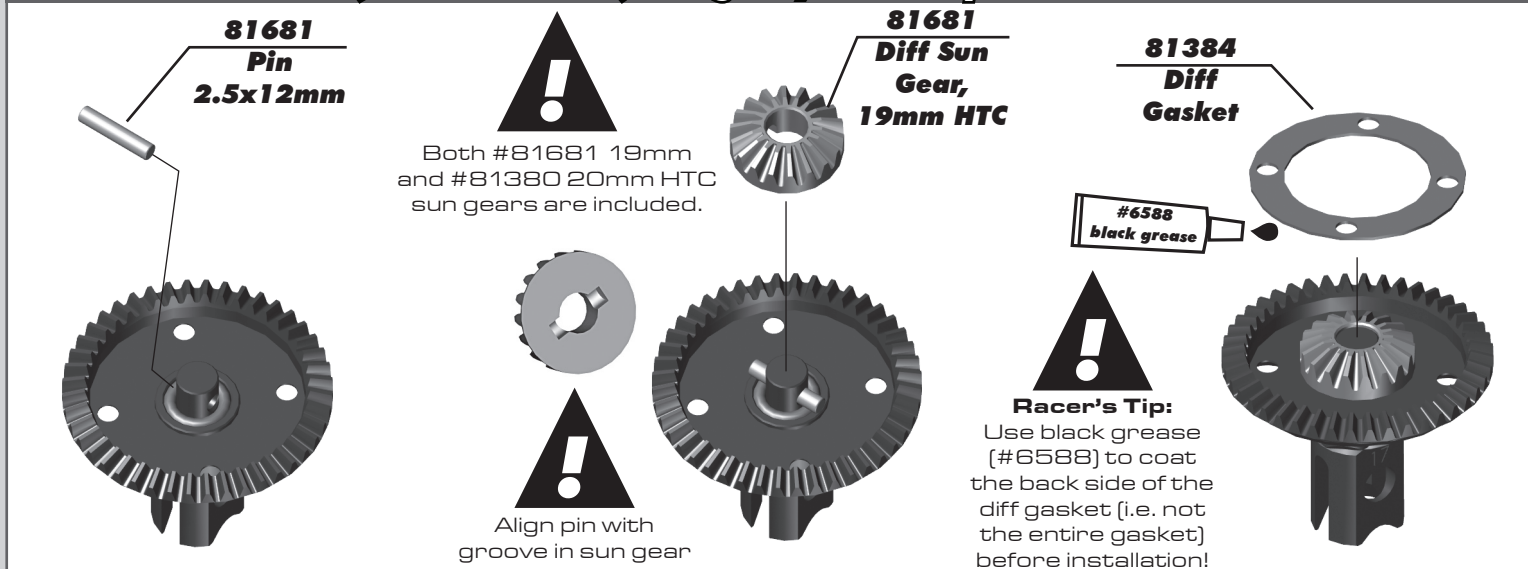
## :: Differential Build (Front and Rear) - Bag 1.1, 1.2 - Step 1



## :: Differential Build (Front and Rear) - Bag 1.1, 1.2 - Step 2



## :: Differential Build (Front and Rear) - Bag 1.1, 1.2 - Step 3

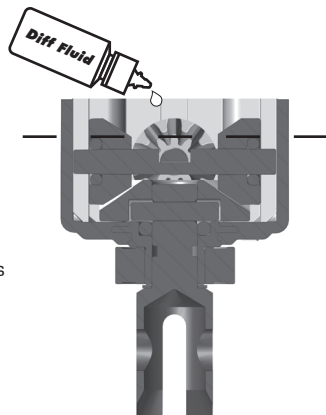


## :: Differential Build (Front and Rear) - Bag 1.1, 1.2 - Step 4

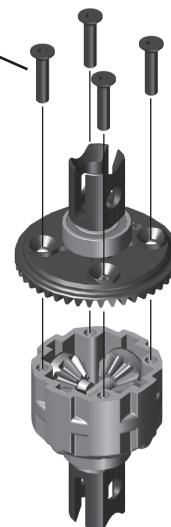


### Racer's Tip:

Fill diff above the cross pins, below the planet gears as shown.



**25202 x4**  
**M3x10mm**  
**FHCS**



### Front Diff Fluid:

**T4.2 Kit - 15,000cst #5447**

**T4.2e Kit - 15,000cst #5447**

### Rear Diff Fluid:

**T4.2 Kit - 7,000cst #5454**

**T4.2e Kit - 7,000cst #5454**

## :: Differential Build (Center) - Bag 1.1, 1.2 - Step 5

**#6588**  
**black grease**

**81697**  
**Outdrive**  
**O-Ring**  
**5.8x1.9mm**

**81681**  
**Pin**  
**2.5x12mm**

**81681**  
**Diff Sun**  
**Gear,**  
**19mm HTC**

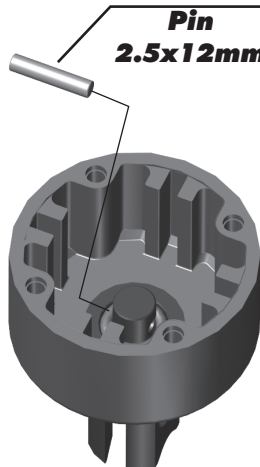
**81703**  
**B4.2 Diff**  
**Case HV**

**91564**  
**8x16x5**  
**Bearing**

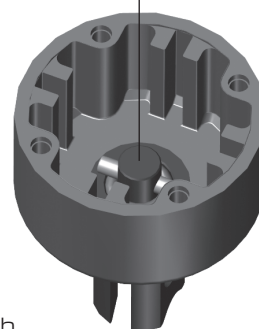
**81381**  
**Diff Shim**  
**6x8x0.20mm**

**#6588**  
**black grease**

**81012**  
**17mm**  
**Outdrive,**  
**Center Diff**



Align pin with  
groove in sun gear



## :: Differential Build (Center) - Bag 1.1, 1.2 - Step 6

**81380**  
**or**  
**81681 x4**  
**Diff Planet**  
**Gears**

**81704 x2**  
**B4.2 Center**  
**Diff Crosspin**

**81681 x4**  
**Diff Shim**  
**3.6x12x0.12mm**

**#6588**  
**black grease**

**81697**  
**Outdrive**  
**O-Ring**  
**5.8x1.9mm**

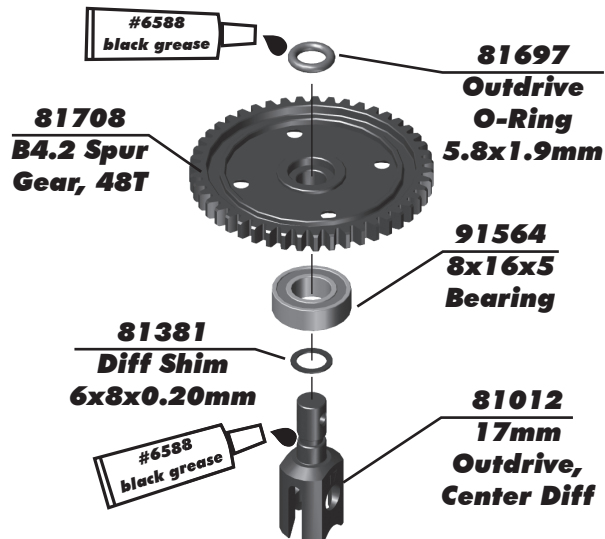
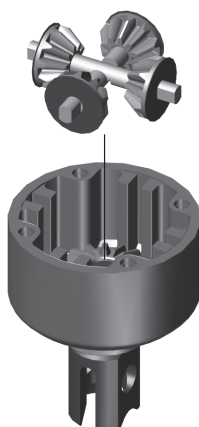
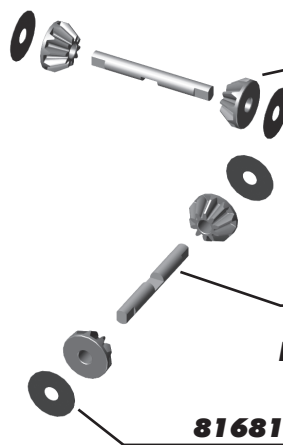
**81708**  
**B4.2 Spur**  
**Gear, 48T**

**91564**  
**8x16x5**  
**Bearing**

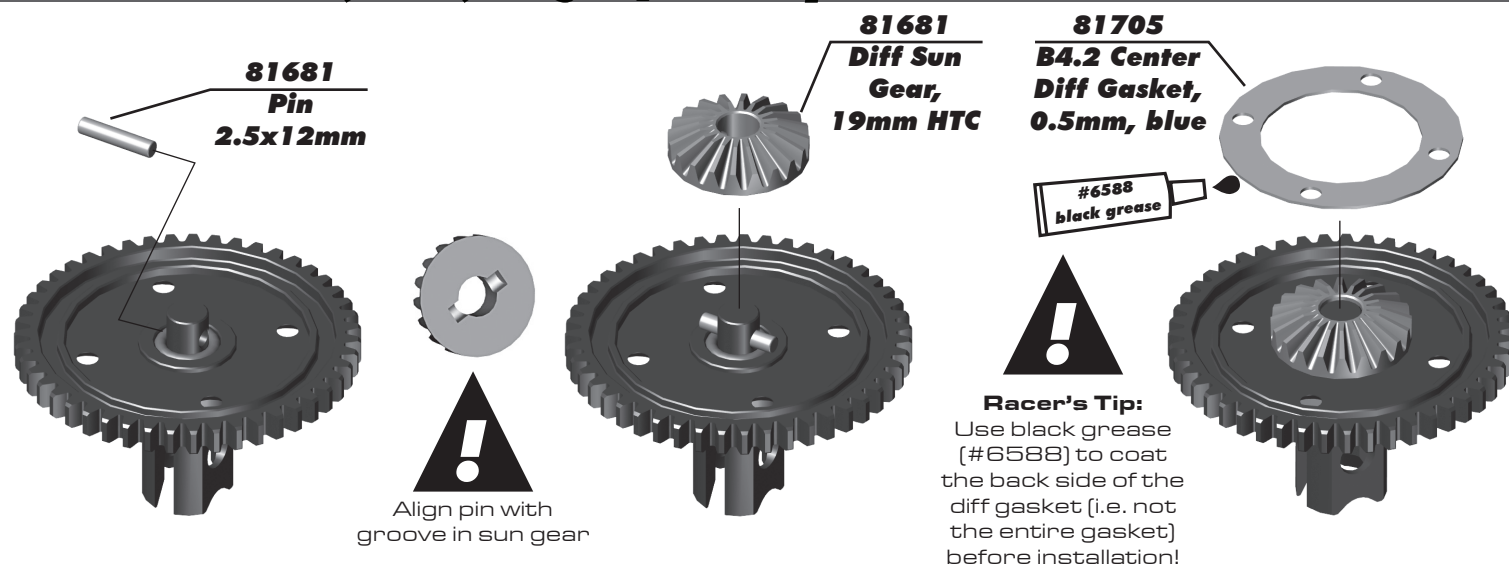
**81381**  
**Diff Shim**  
**6x8x0.20mm**

**#6588**  
**black grease**

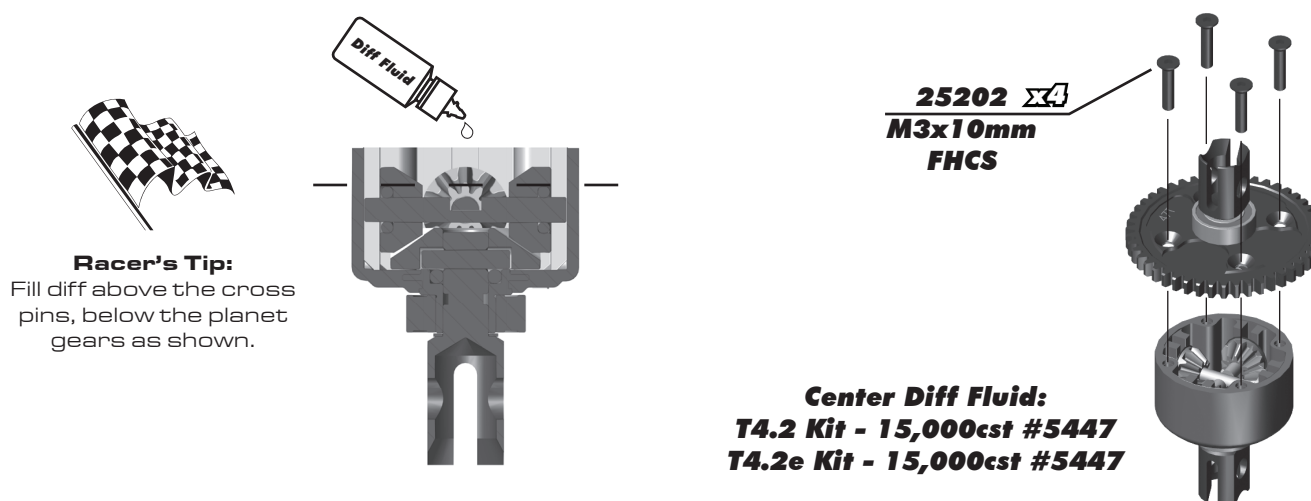
**81012**  
**17mm**  
**Outdrive,**  
**Center Diff**



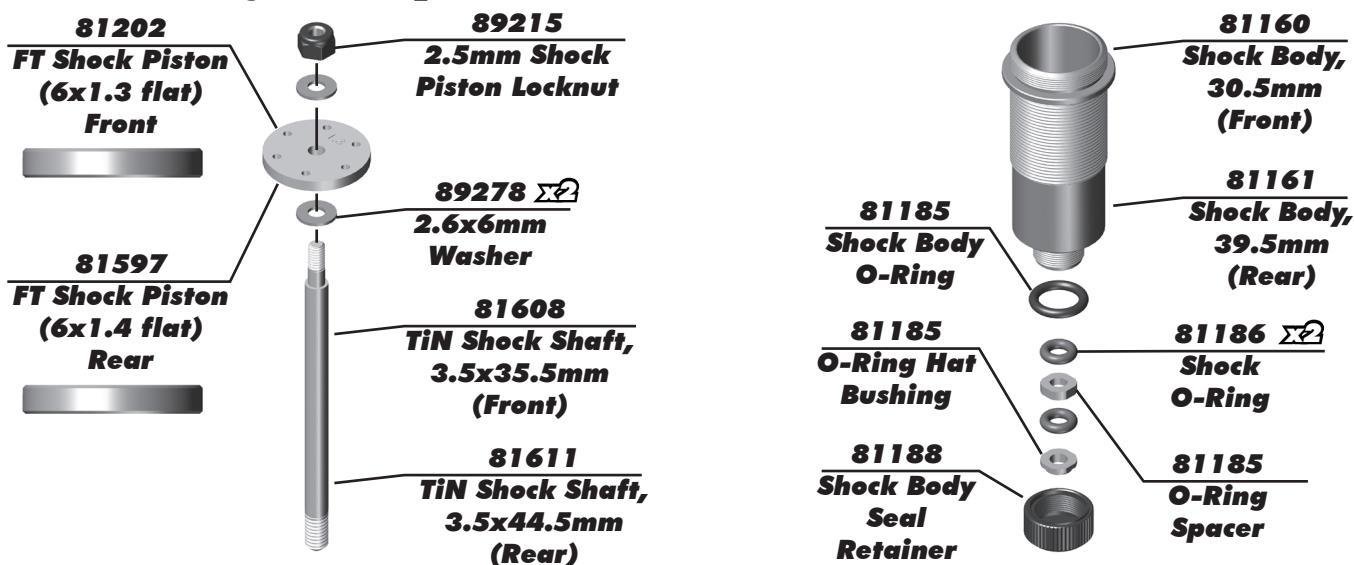
## :: Differential Build (Center) - Bag 1.1, 1.2 - Step 7



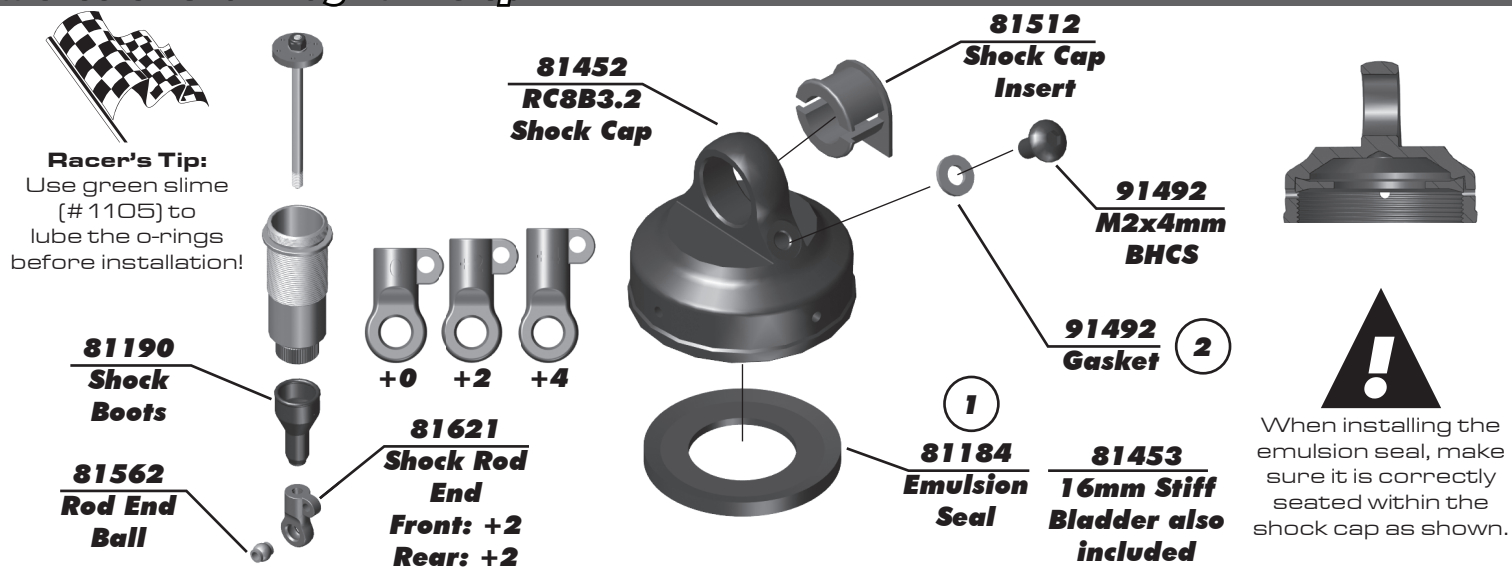
## :: Differential Build (Center) - Bag 1.1, 1.2 - Step 8



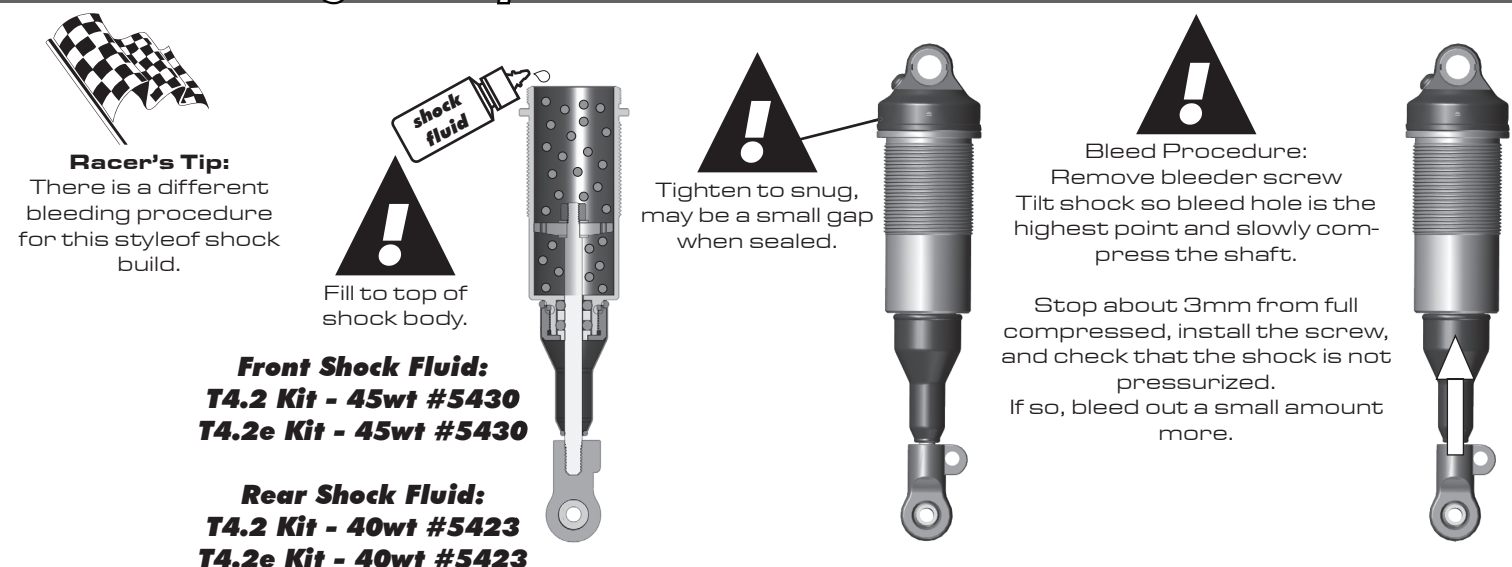
## :: Shocks Build - Bag 2.1 - Step 1



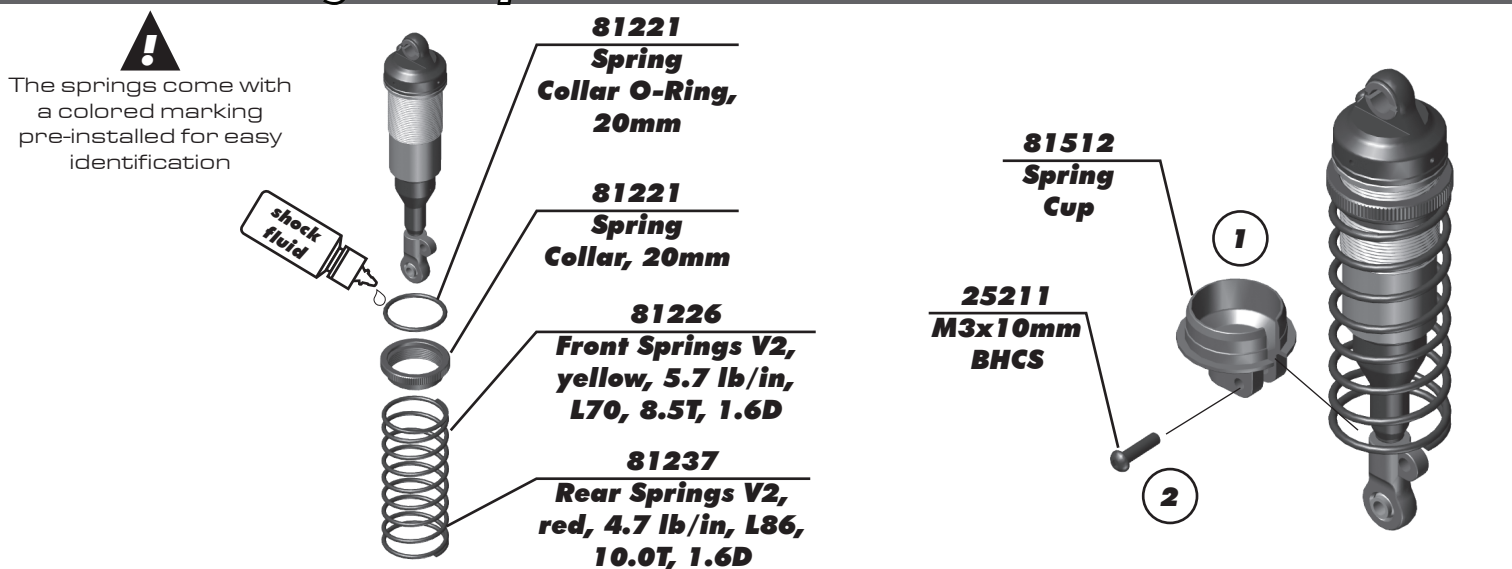
## :: Shocks Build - Bag 2.1 - Step 2



## :: Shocks Build - Bag 2.1 - Step 3

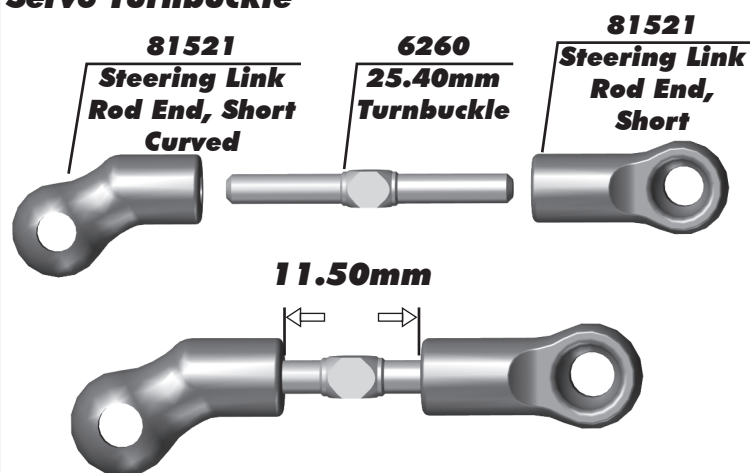


## :: Shocks Build - Bag 2.1 - Step 4

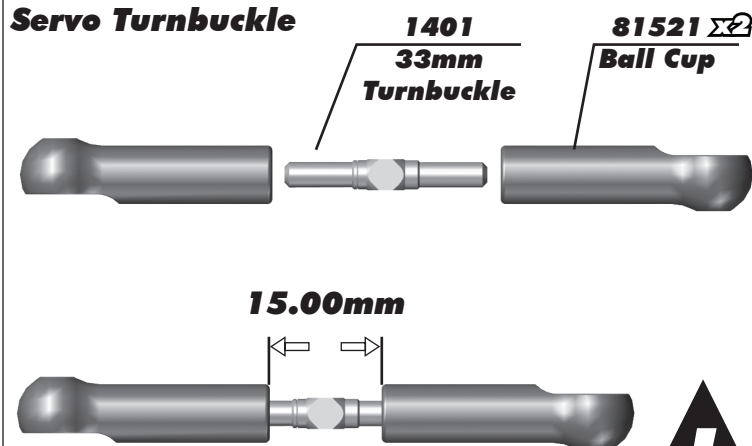


## :: Turnbuckles Build - Bag 3.1 - Step 1

### Electric Steering Servo Turnbuckle



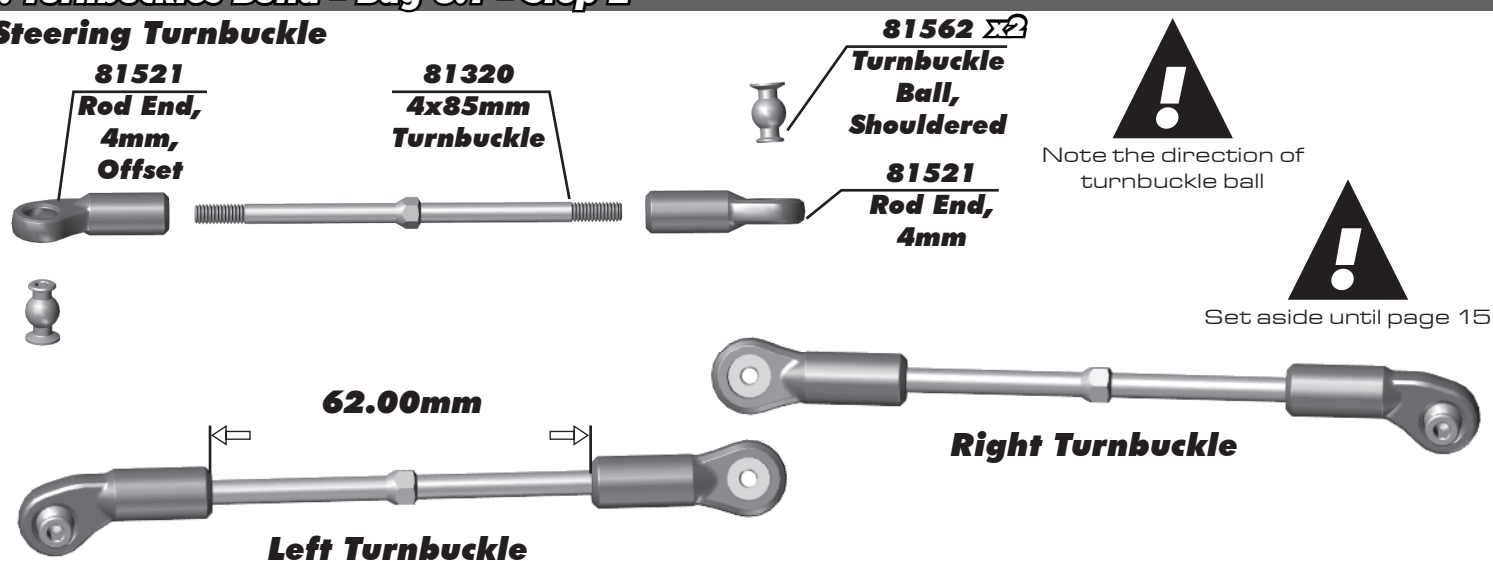
### Nitro Steering Servo Turnbuckle



Set aside until page 22

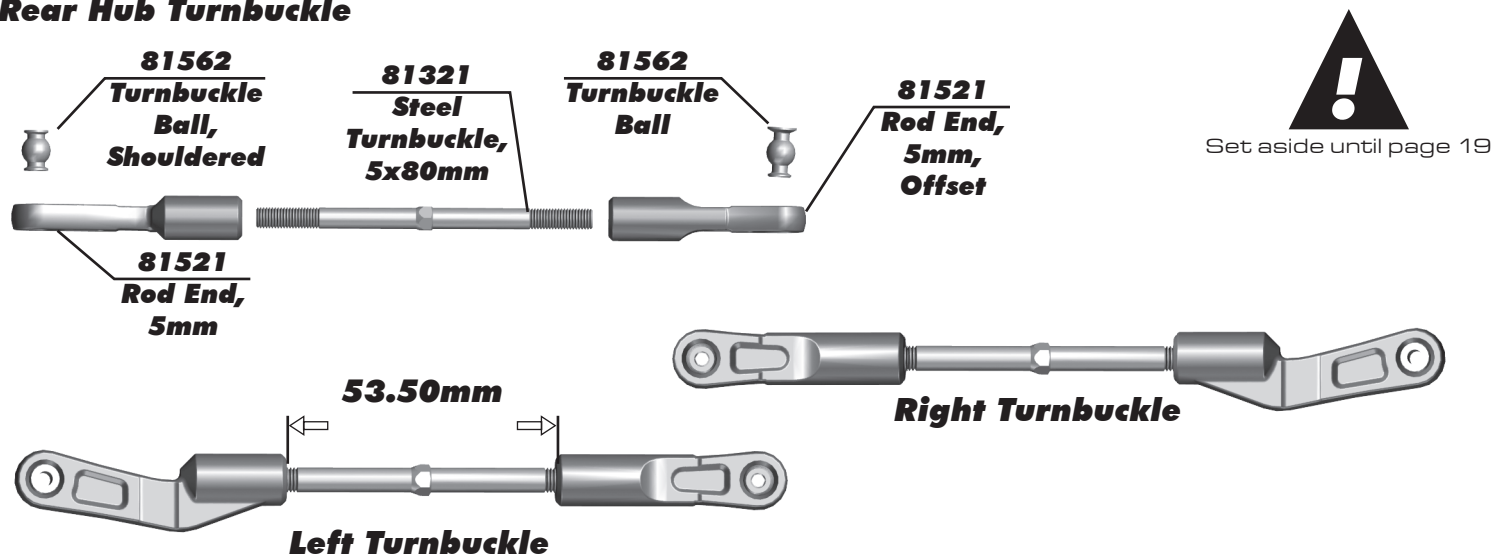
## :: Turnbuckles Build - Bag 3.1 - Step 2

### Steering Turnbuckle

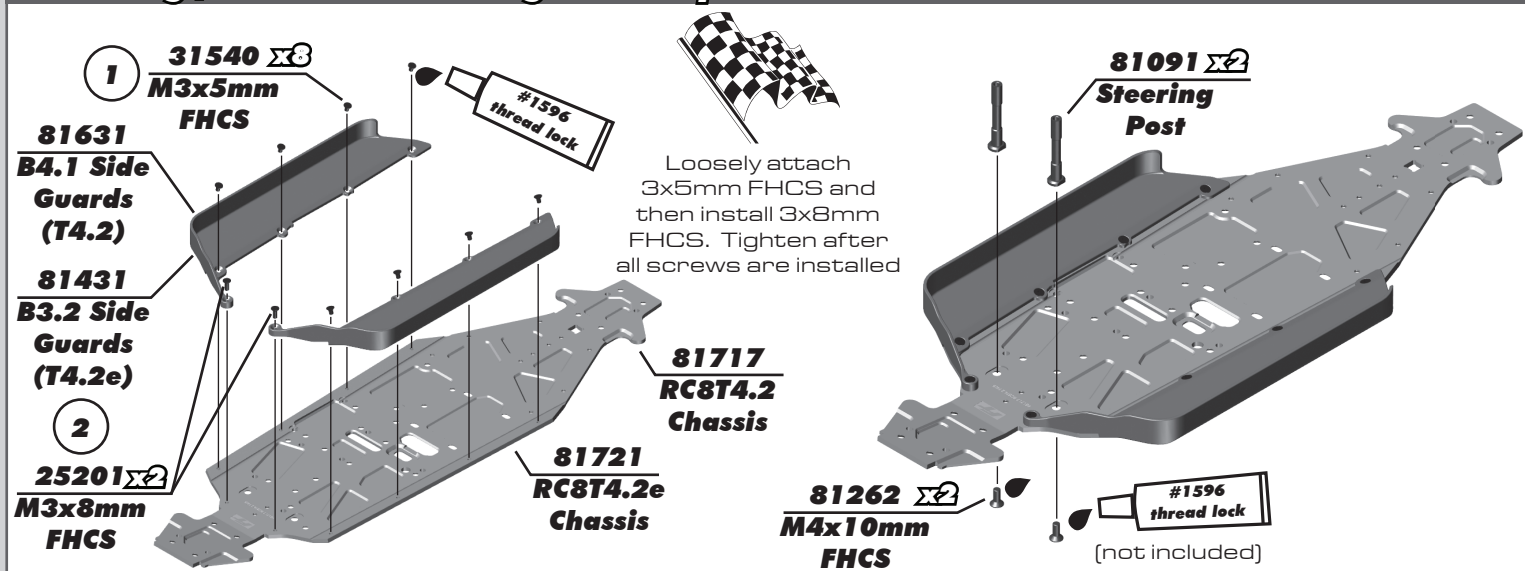


## :: Turnbuckles Build - Bag 3.1 - Step 3

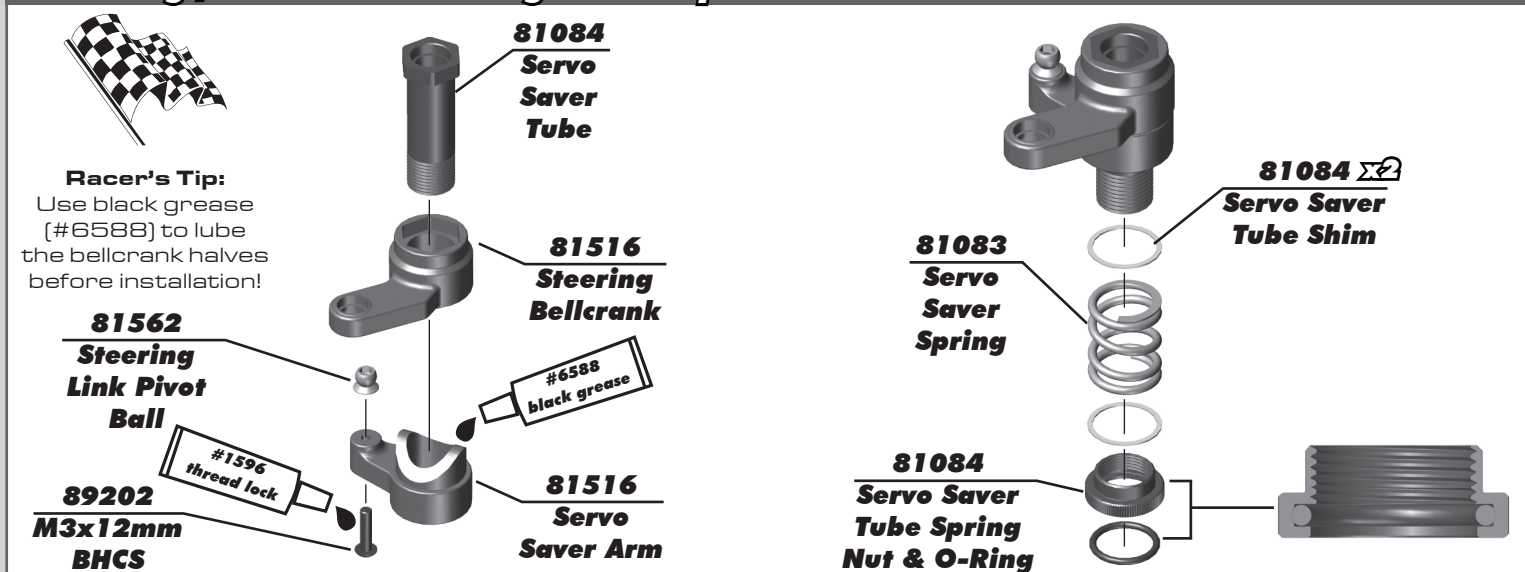
### Rear Hub Turnbuckle



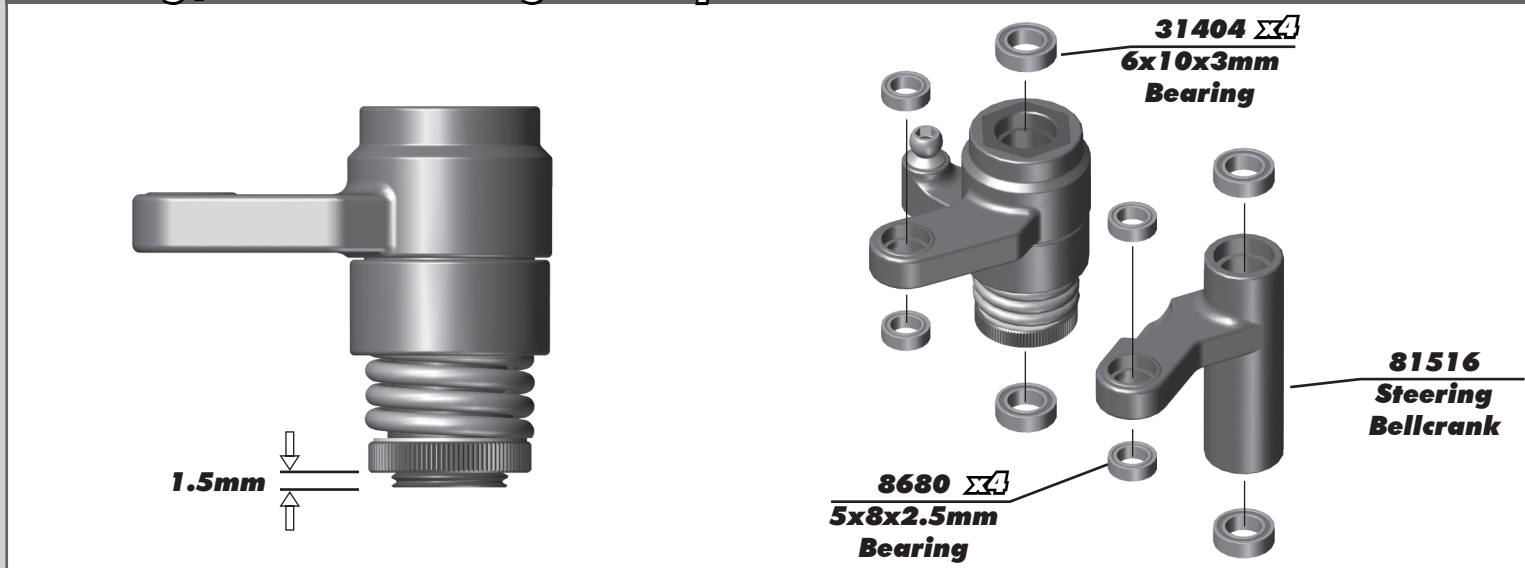
## :: Steering / Chassis Build - Bag 4.1 - Step 1



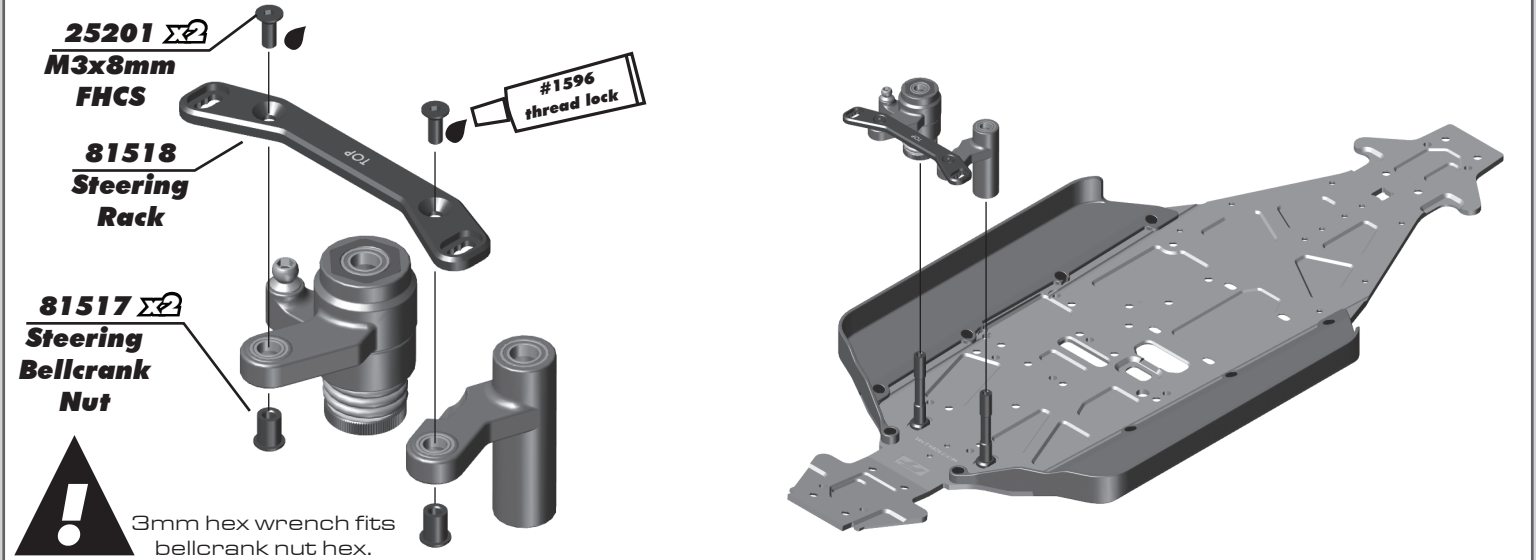
## :: Steering / Chassis Build - Bag 4.1 - Step 2



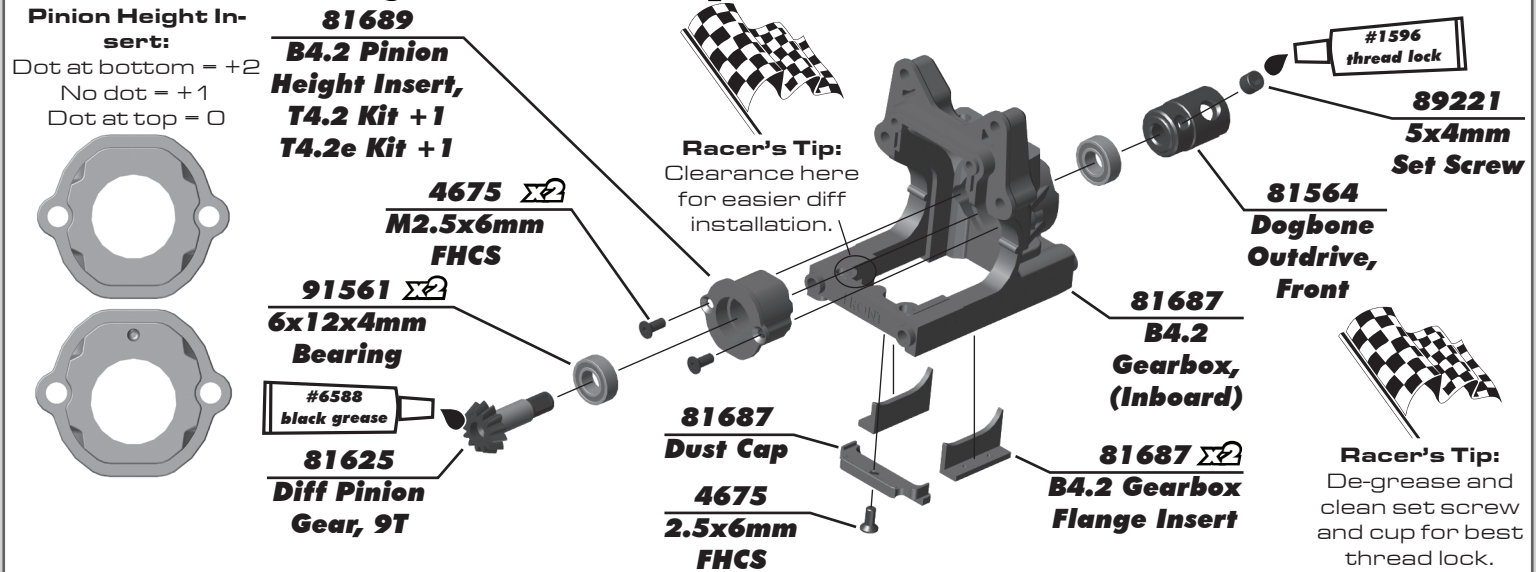
## :: Steering / Chassis Build - Bag 4.1 - Step 3



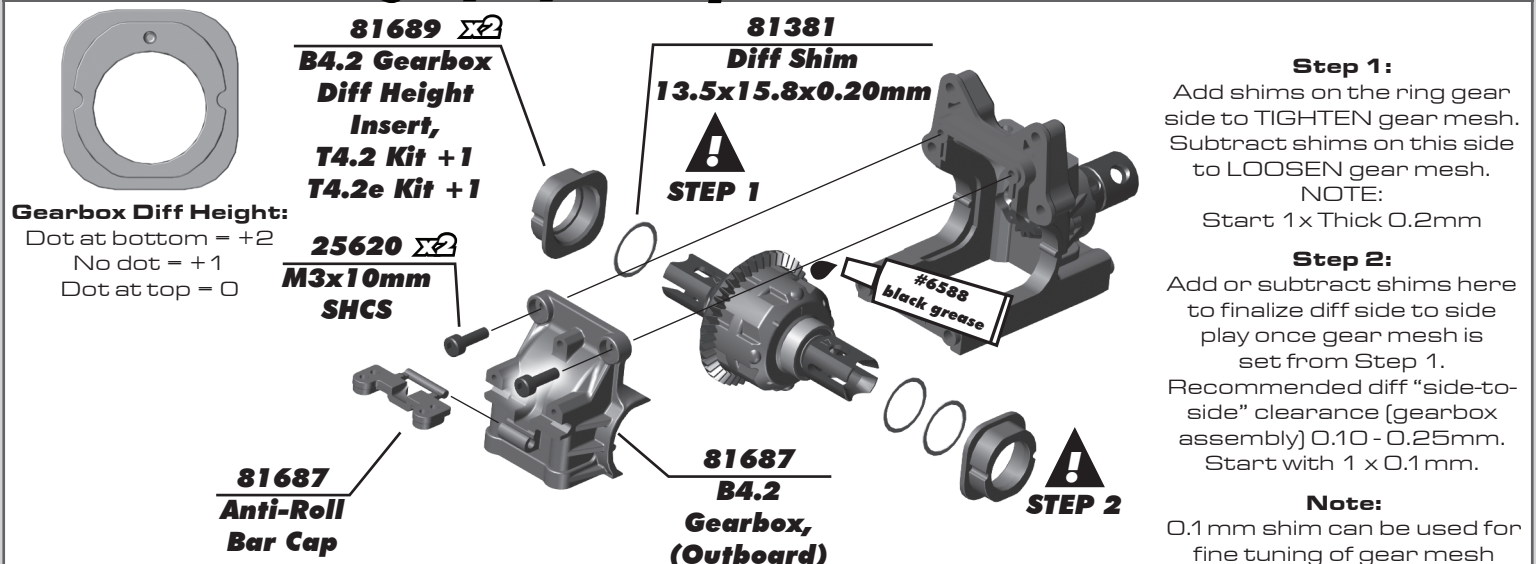
## :: Steering / Chassis Build - Bag 4.1 - Step 4



## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 1



## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 2



## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 3

### Kit Setup:



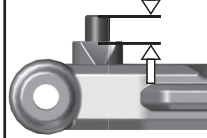
**81520**  $\Sigma 2$   
**Arm Mount  
Insert, Center**

**81567**  
**Arm Mount  
B**

**81260**  $\Sigma 2$   
**M4x14mm  
BHCS**

### Droop Screw:

Kit Setup:  
1.5mm



**81566**  
**Arm Mount  
A**

**81260**  $\Sigma 2$   
**M4x14mm  
BHCS**

**81520**  $\Sigma 2$   
**Arm Mount  
Insert, Center**

**Build left and right side!**

Start here,  
adjust to  
102mm  
shock length.

**81724**  $\Sigma 2$   
**Suspension  
Arm Shim**

**81641**  $\Sigma 2$   
**B4.1 Hinge  
Pin, 66.3mm**

**89317**  
**Droop  
Screw**

**81724**  
**Front Lower  
Arm, Soft**

## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 4

**81512**  $\Sigma 2$   
**Anti-Roll  
Bar Link**

**81585**  
**Anti-Roll  
Bar Pivot**

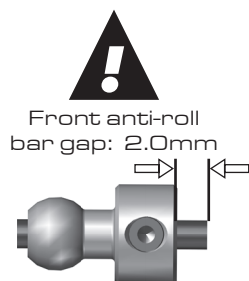
**81562**  
**Rod End  
Ball**

**Note direction**

**89203**  $\Sigma 2$   
**M3x16mm  
BHCS**

## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 5

**Center the anti-roll bar collet on the anti-roll bar; then tighten the 3x3mm set screw.**

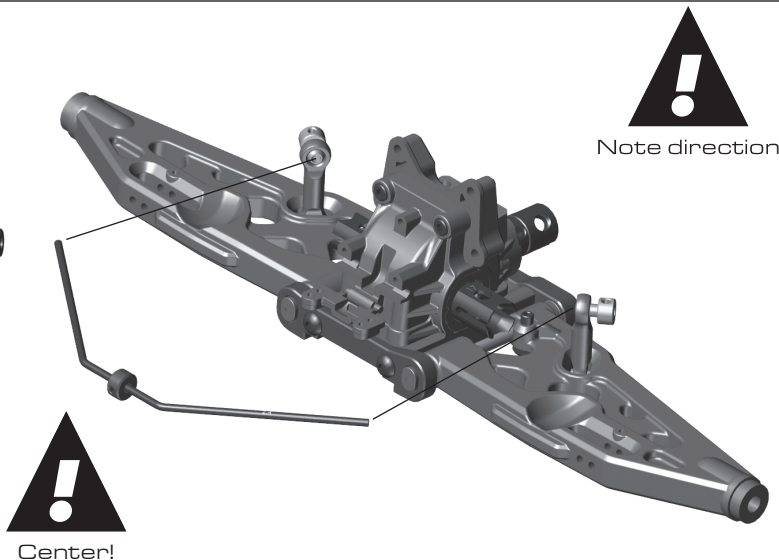


Front anti-roll  
bar gap: 2.0mm

**81129**  
**(Front) Anti-Roll Bar,  
2.2mm**

**81585**  
**Anti-Roll  
Bar  
Collet**

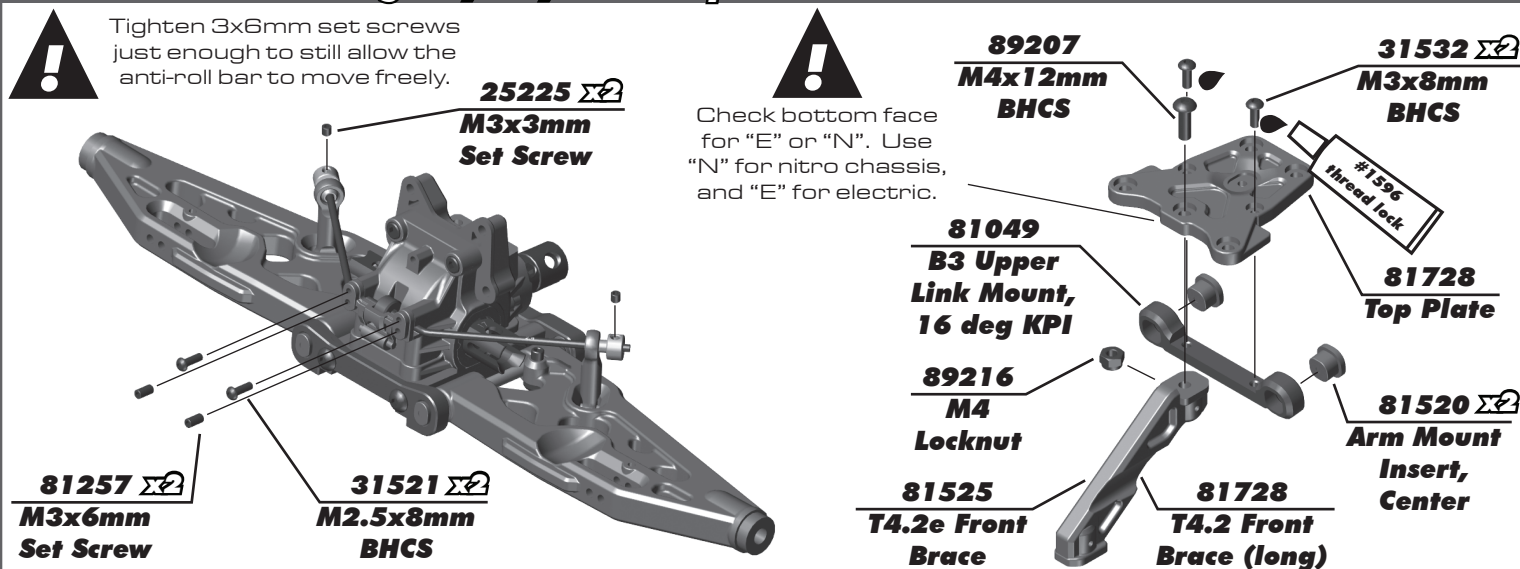
**25225**  
**3x3mm  
Set Screw**



**Note direction**

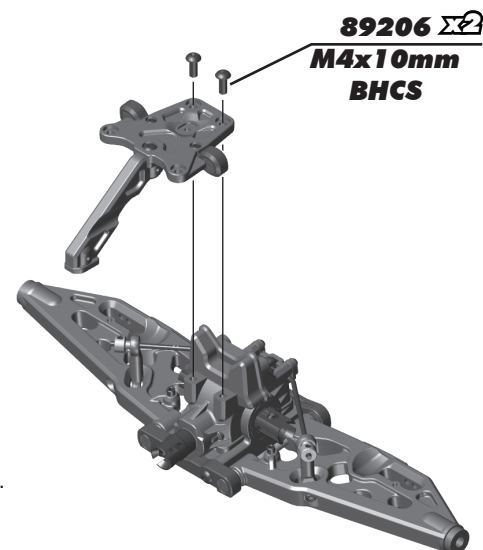
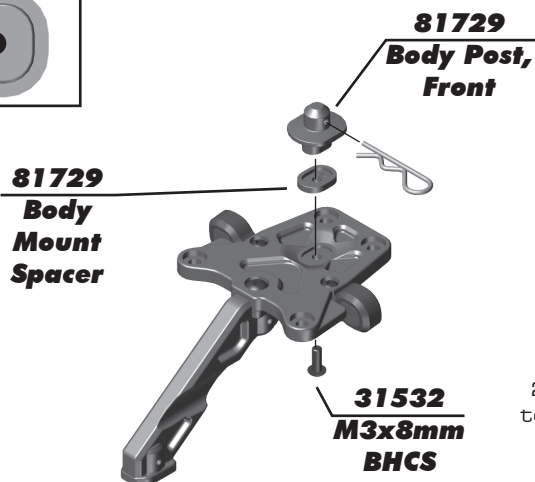
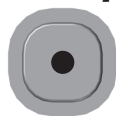
**Center!**

## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 6



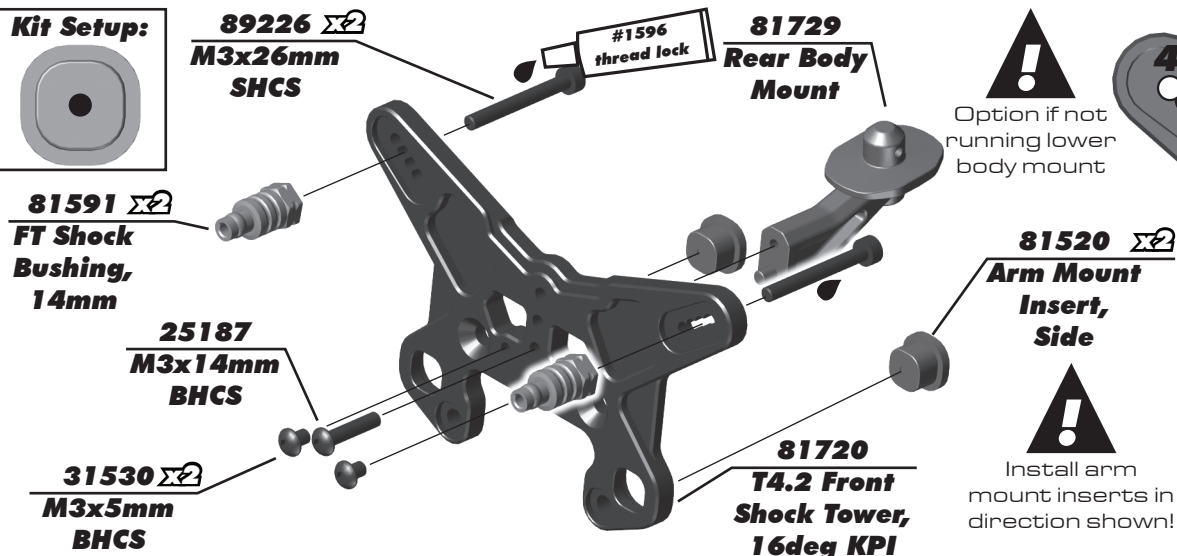
## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 7

### Kit Setup:



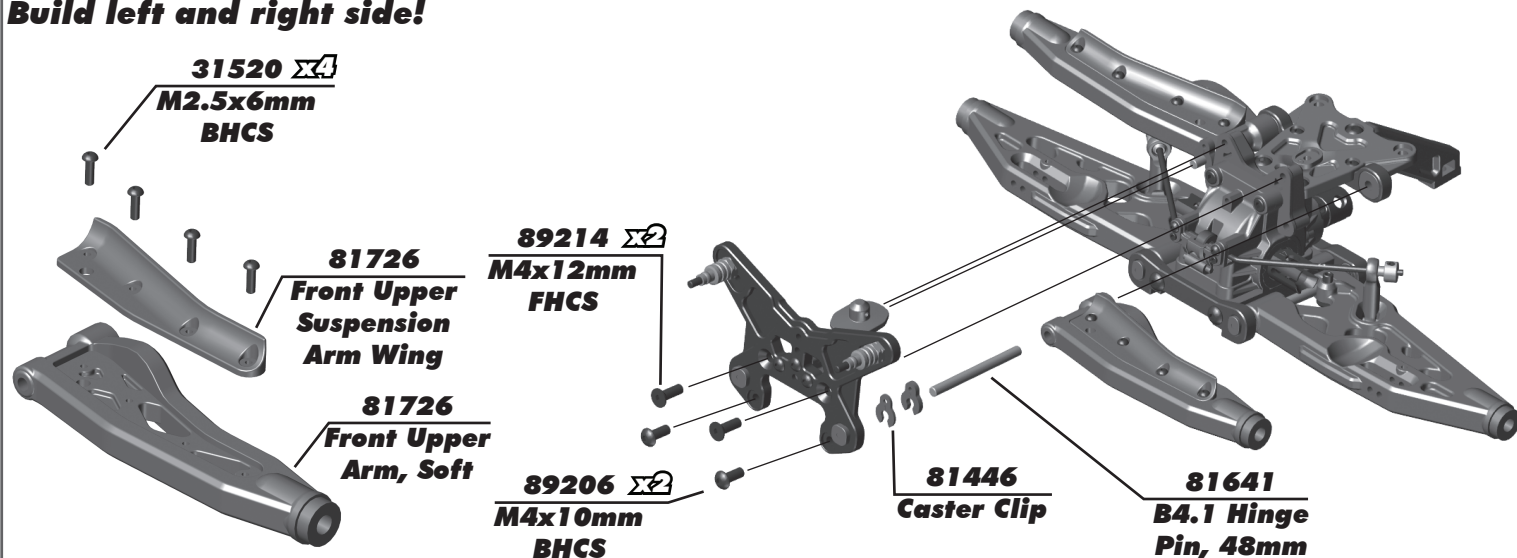
## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 8

### Kit Setup:



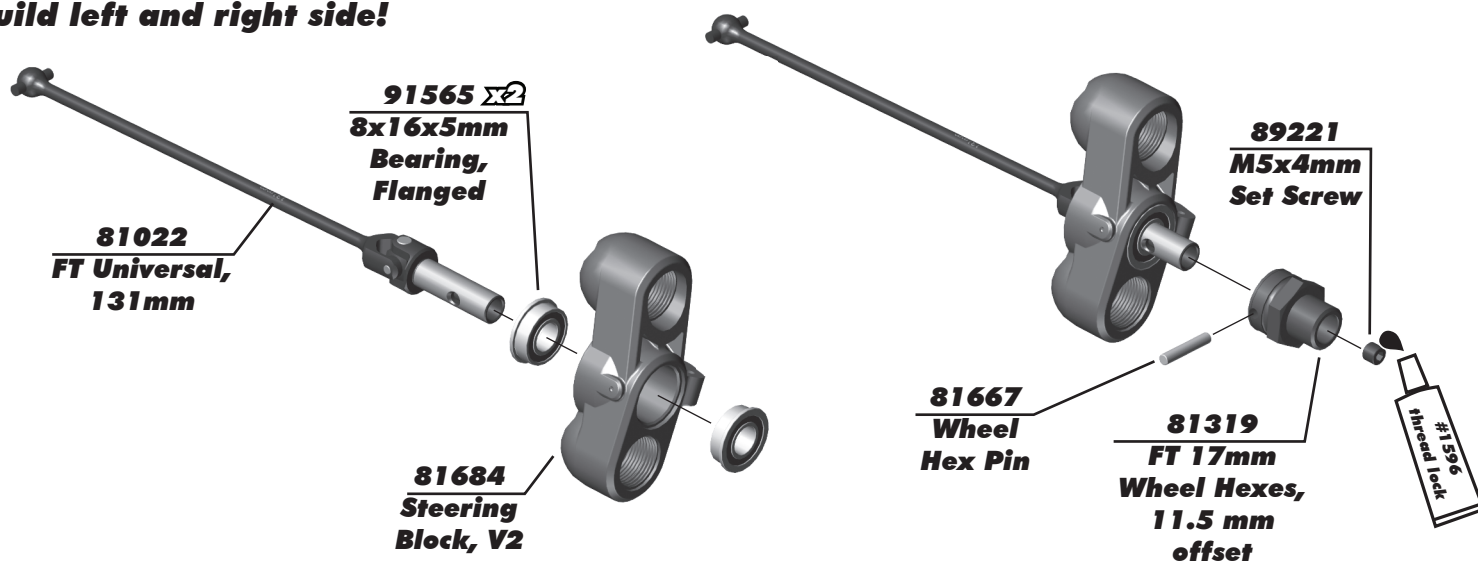
## :: Front End Build - Bag 5.1, 5.2, 5.3 - Step 9

Build left and right side!



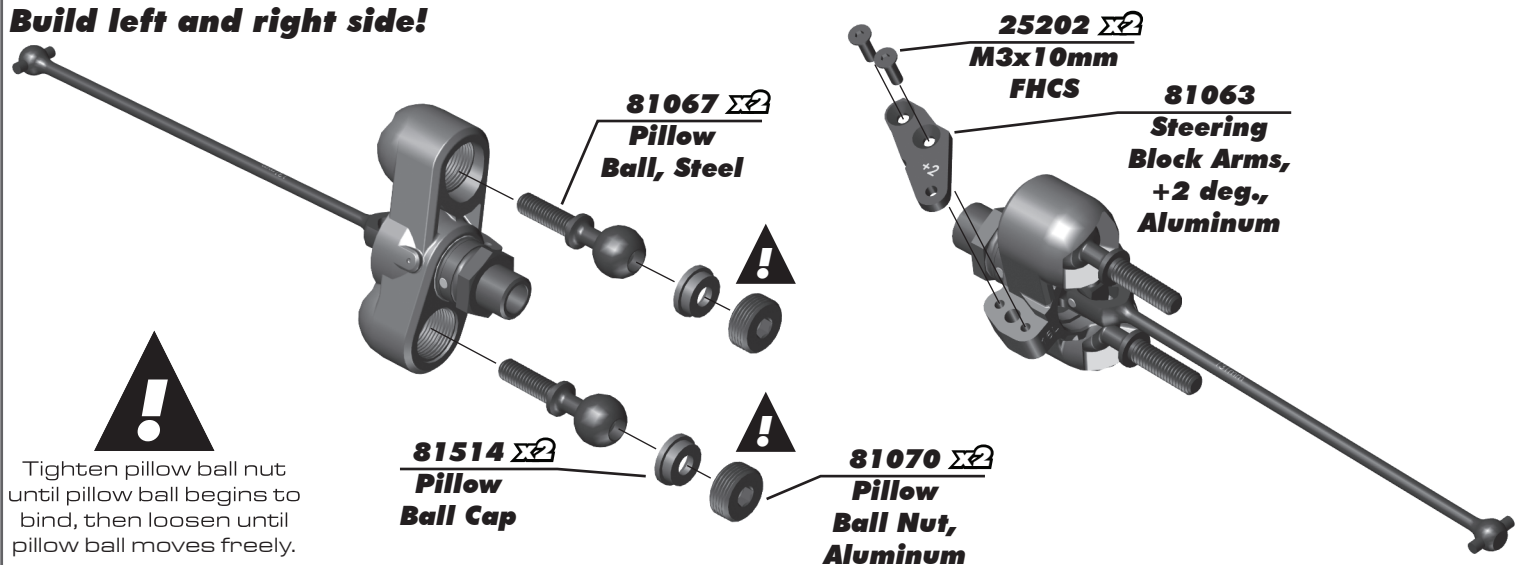
## :: Steering Blocks Build - Bag 6.1 - Step 1

Build left and right side!

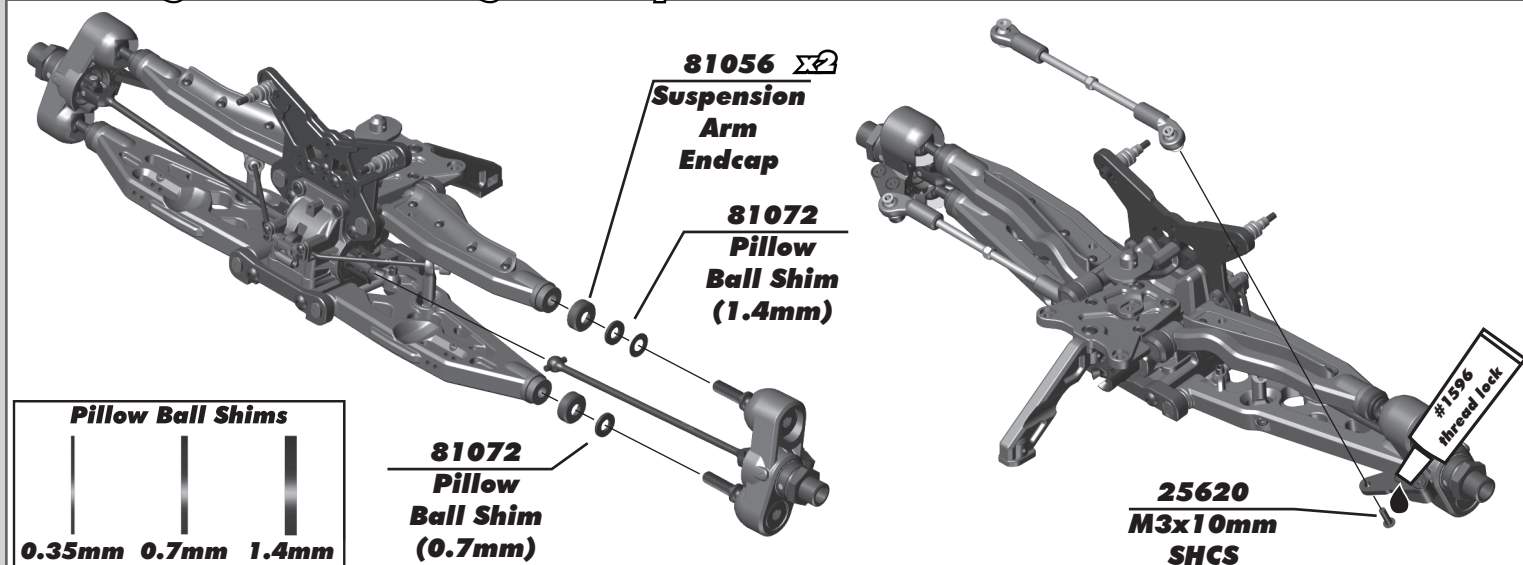


## :: Steering Blocks Build - Bag 6.1 - Step 2

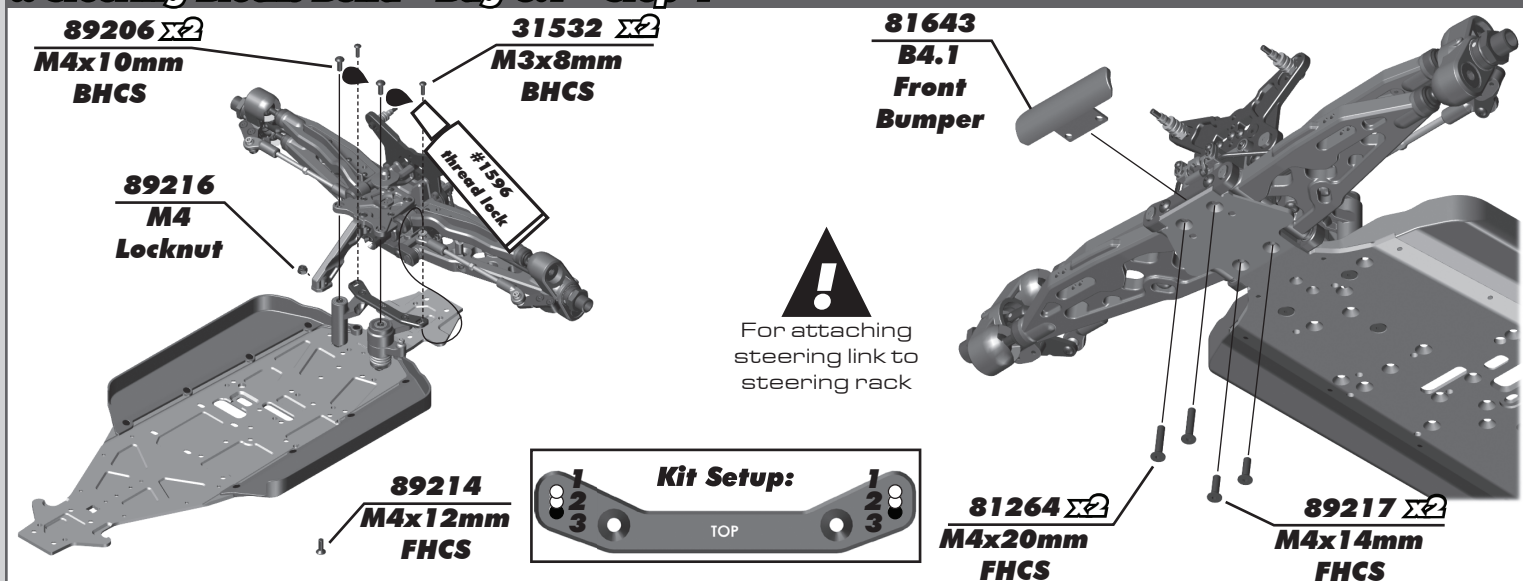
Build left and right side!



## :: Steering Blocks Build - Bag 6.1 - Step 3



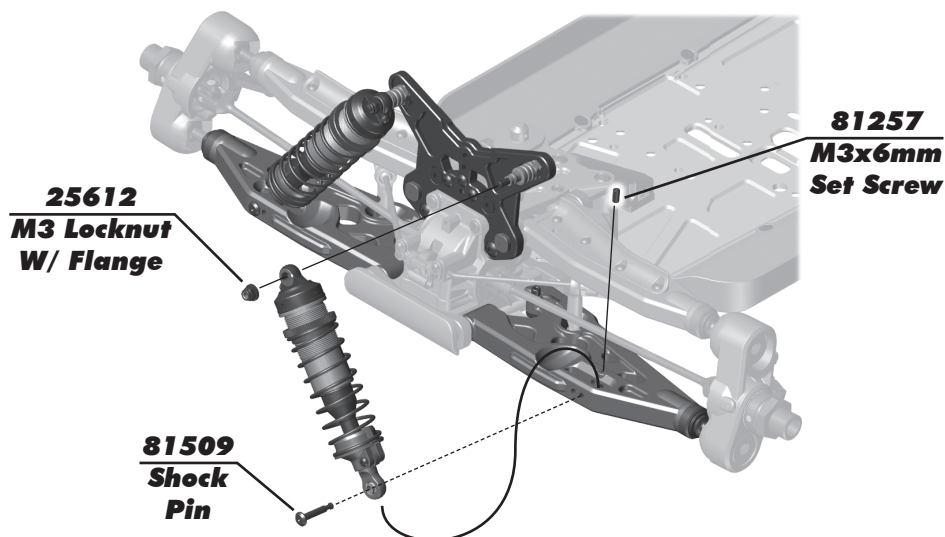
## :: Steering Blocks Build - Bag 6.1 - Step 4



## :: Steering Blocks Build - Bag 6.1 - Step 5

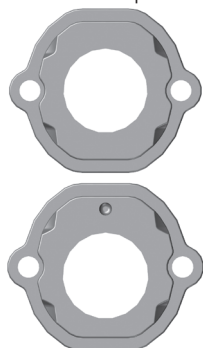
### Kit Setup:

Mount the front shock in the outside hole on the front arm.



## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 1

**Pinion Height Insert:**  
 Dot at bottom = +2  
 No dot = +1  
 Dot at top = 0



**81689**  
**B4.2 Pinion Height Insert,**  
**T4.2 Kit +1**  
**T4.2e Kit +1**

**4675**   
**M2.5x6mm**  
**FHCS**

**#6588**  
**black grease**

**81007**  
**Diff Pinion**  
**Gear, 10T**

**Racer's Tip:**  
 Clearance here  
 for easier diff  
 installation.

**81688**  
**Dust Cap**  
**4675**  
**M2.5x6mm**  
**FHCS**

**81688**  
**B4.2**  
**Gearbox,**  
**(Inboard)**

**81688**   
**B4.2 Gearbox**  
**Flange Insert**

**91561**   
**6x12x4mm**  
**Bearing**

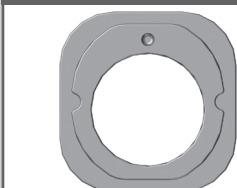
**81565**  
**Dogbone**  
**Outdrive,**  
**Rear**

**#1596**  
**thread lock**

**89221**  
**M5x4mm**  
**Set Screw**

**Racer's Tip:**  
 De-grease and  
 clean set screw  
 and cup for best  
 thread lock.

## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 2



**Gearbox Diff Height:**  
 Dot at bottom = +2  
 No dot = +1  
 Dot at top = 0

**81689**   
**B4.2 Gearbox**  
**Diff Height**  
**Insert,**  
**T4.2 Kit +1**  
**T4.2e Kit +1**

**25620**   
**M3x10mm**  
**SHCS**

**81688**  
**Anti-Roll**  
**Bar Cap**

**81381**  
**Diff Shim**  
**13.5x15.8x0.20mm**

**! STEP 1**

**#6588**  
**black grease**

**81688**  
**B4.2**  
**Gearbox,**  
**(Outboard)**

**! STEP 2**

### Step 1:

Add shims on the ring gear side to TIGHTEN gear mesh. Subtract shims on this side to LOOSEN gear mesh.

### NOTE:

Start 1x Thick 0.2mm

### Step 2:

Add or subtract shims here to finalize diff side to side play once gear mesh is set from Step 1.

Recommended diff "side-to-side" clearance [gearbox assembly] 0.10 - 0.25mm. Start with 1 x 0.1mm.

### Note:

0.1mm shim can be used for fine tuning of gear mesh

## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 3

### Kit Setup:



**81454**  
**Arm Mount,**  
**HRC, Narrow**  
**(C)**

**81260**   
**M4x14mm**  
**BHCS**

**81520**   
**Arm Mount**  
**Insert,**  
**Center**

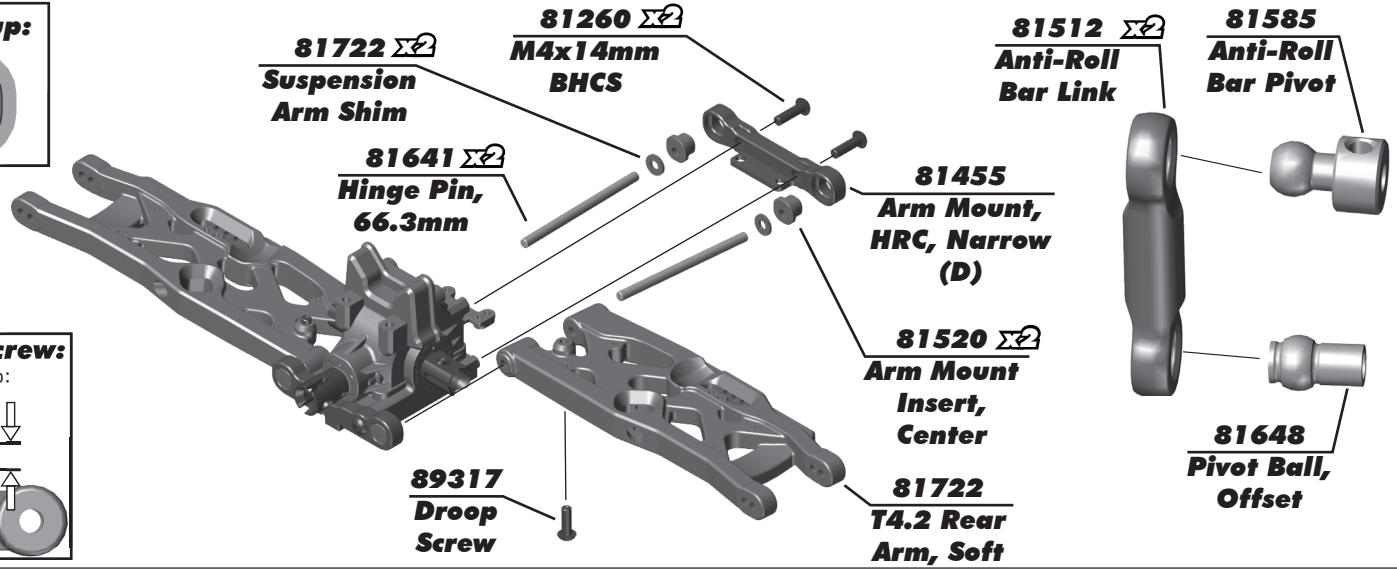
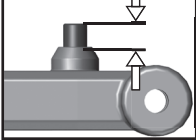
## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 4

### Kit Setup:

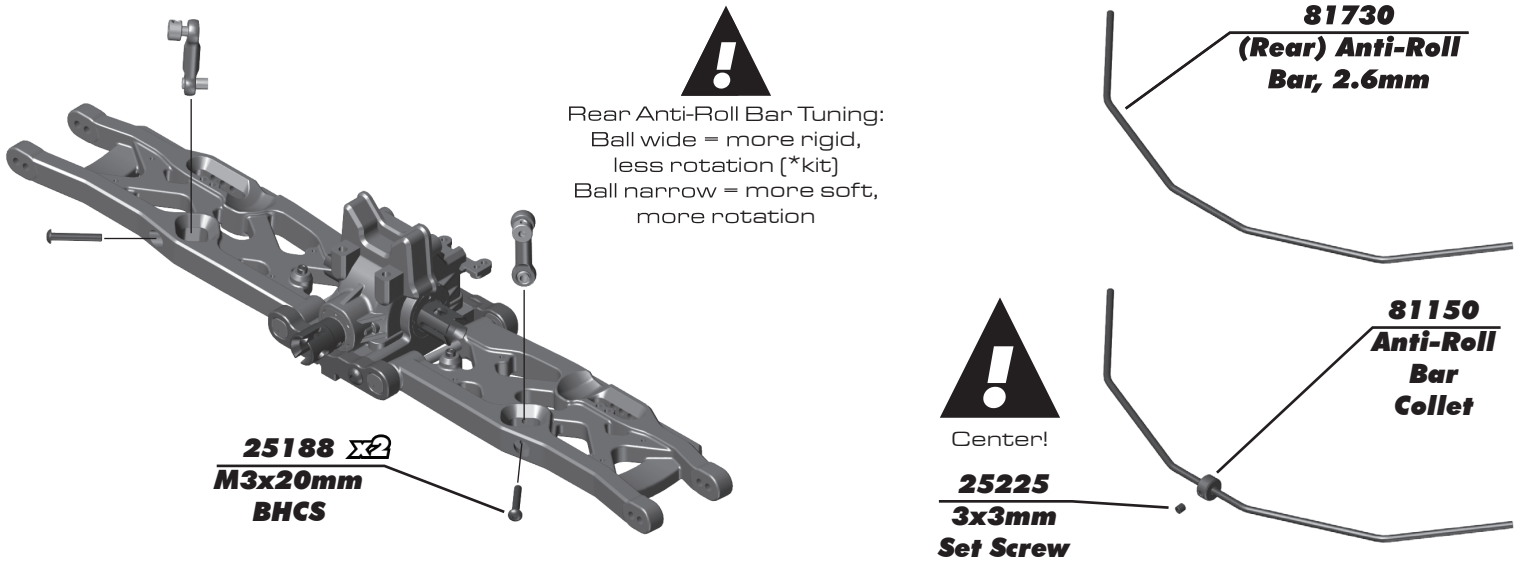


### Drop Screw:

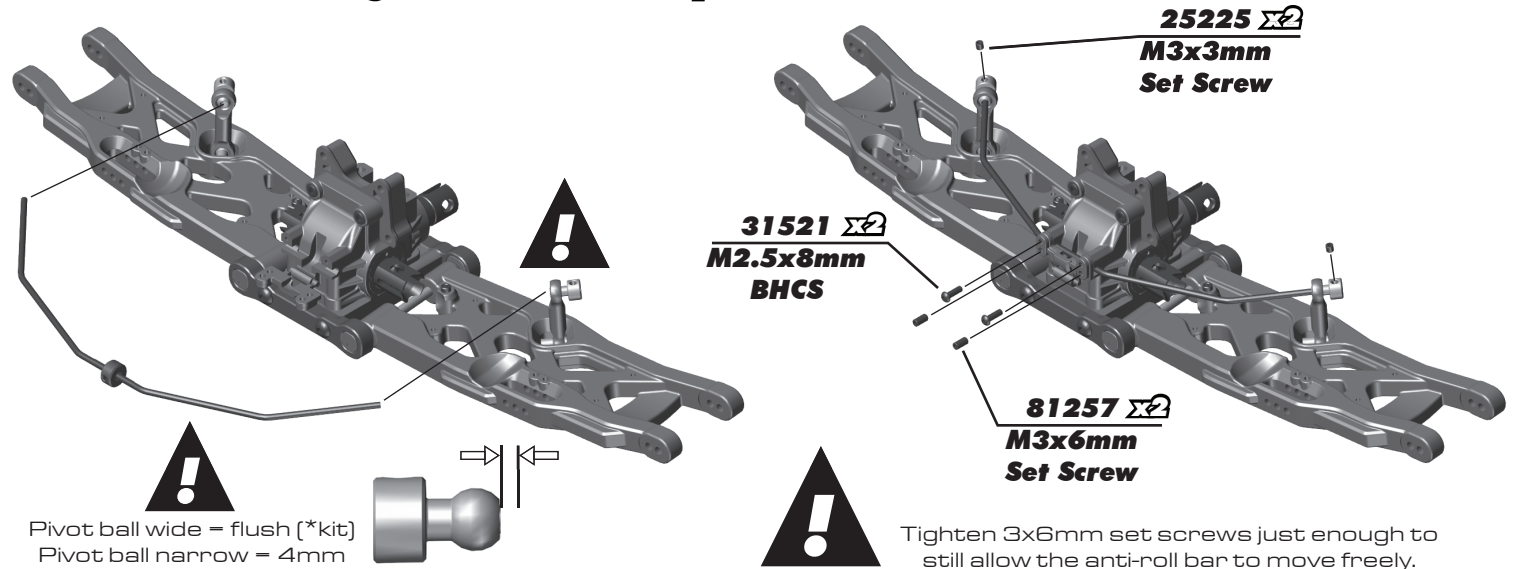
Kit Setup:  
1.5mm



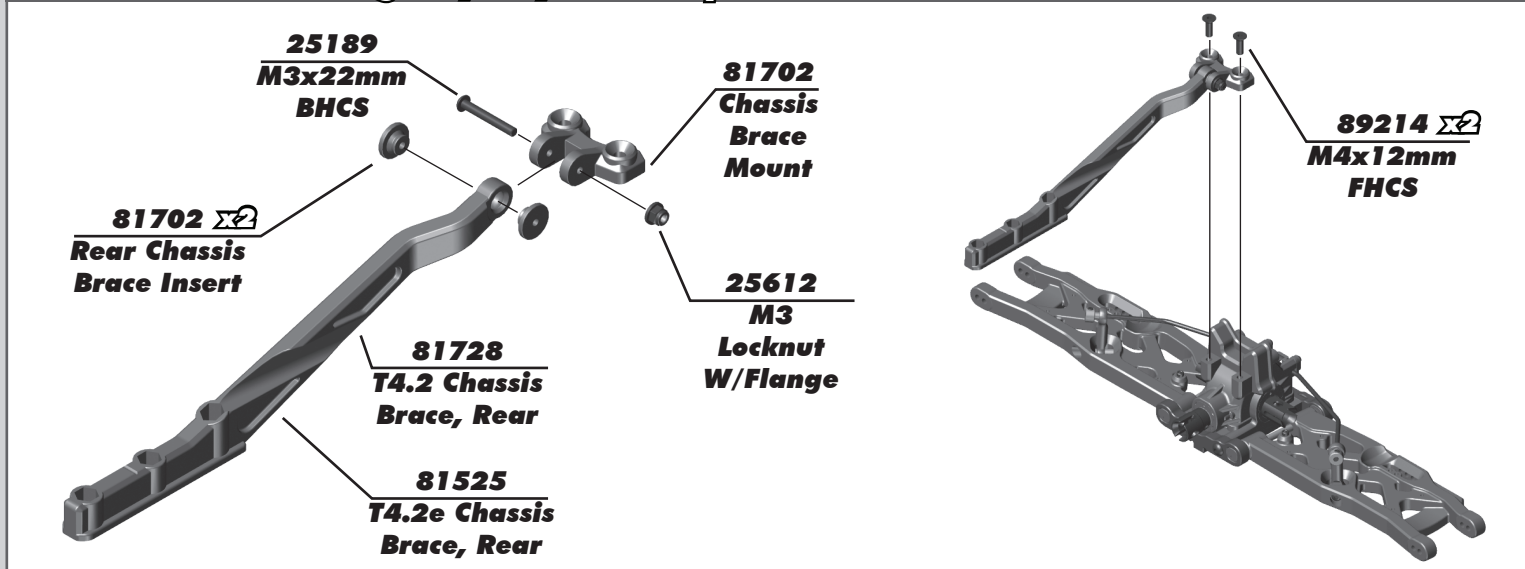
## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 5



## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 6

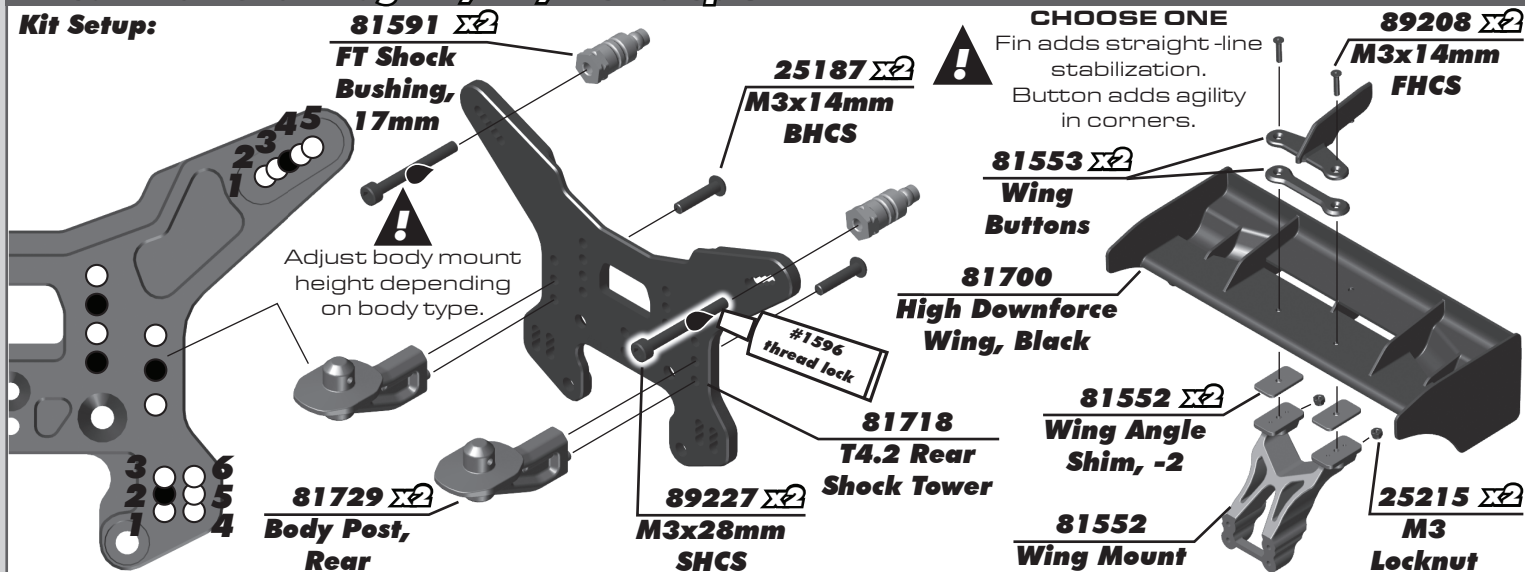


## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 7

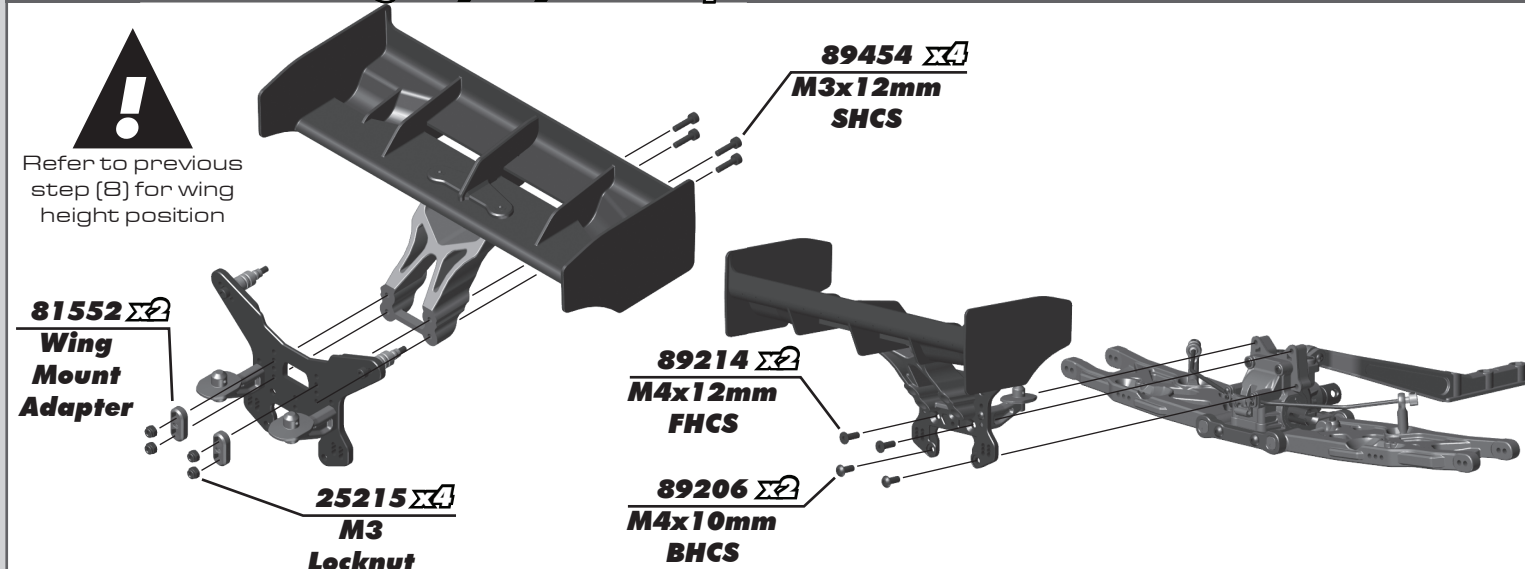


## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 8

Kit Setup:

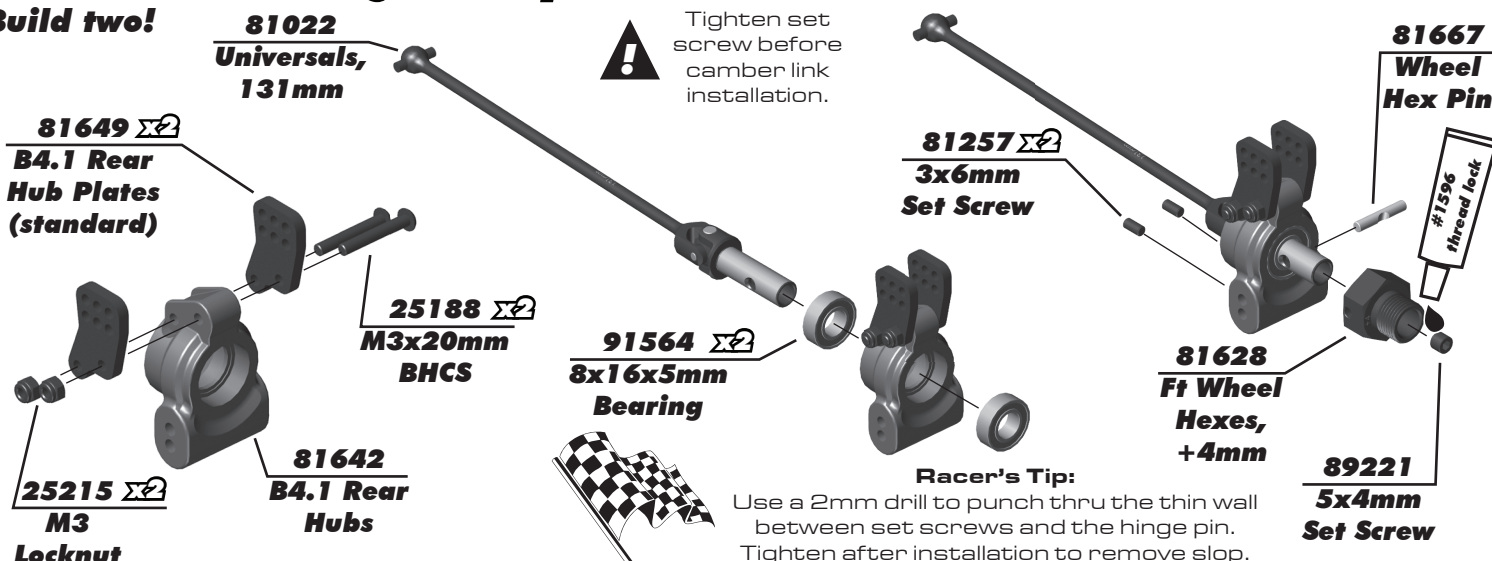


## :: Rear End Build - Bag 7.1, 7.2, 7.3 - Step 9



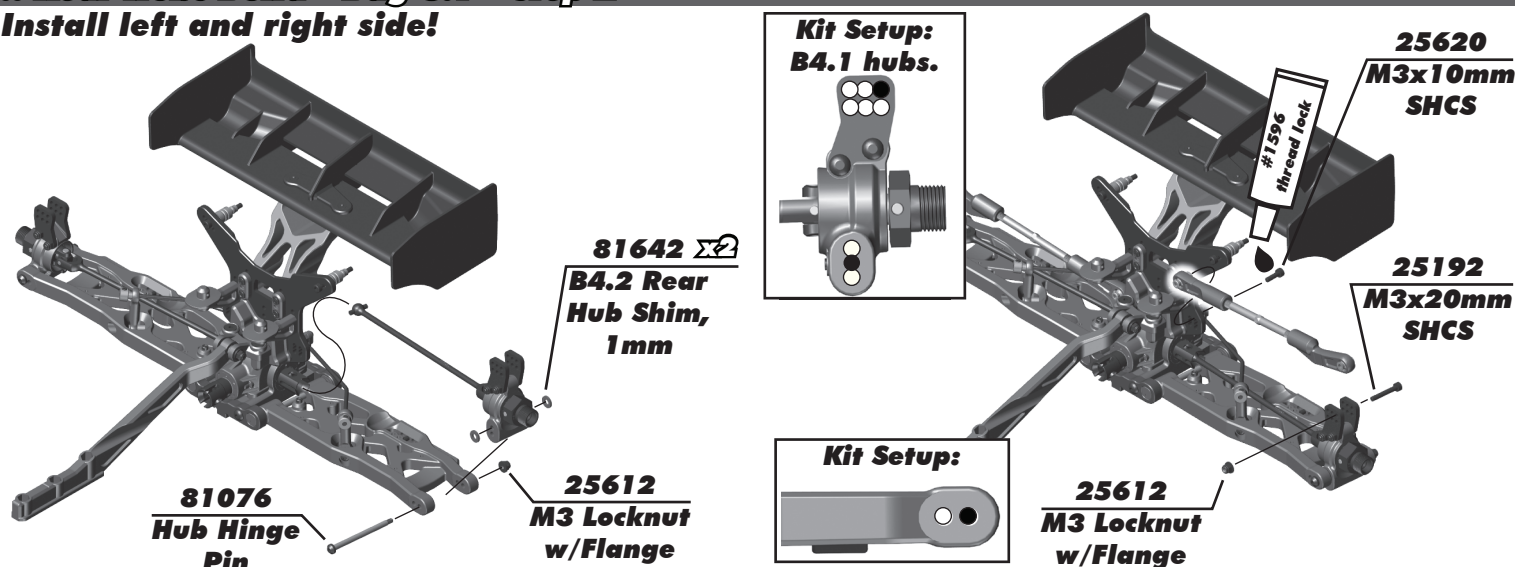
## :: Rear Hubs Build - Bag 8.1 - Step 1

### Build two!



## :: Rear Hubs Build - Bag 8.1 - Step 2

### Install left and right side!



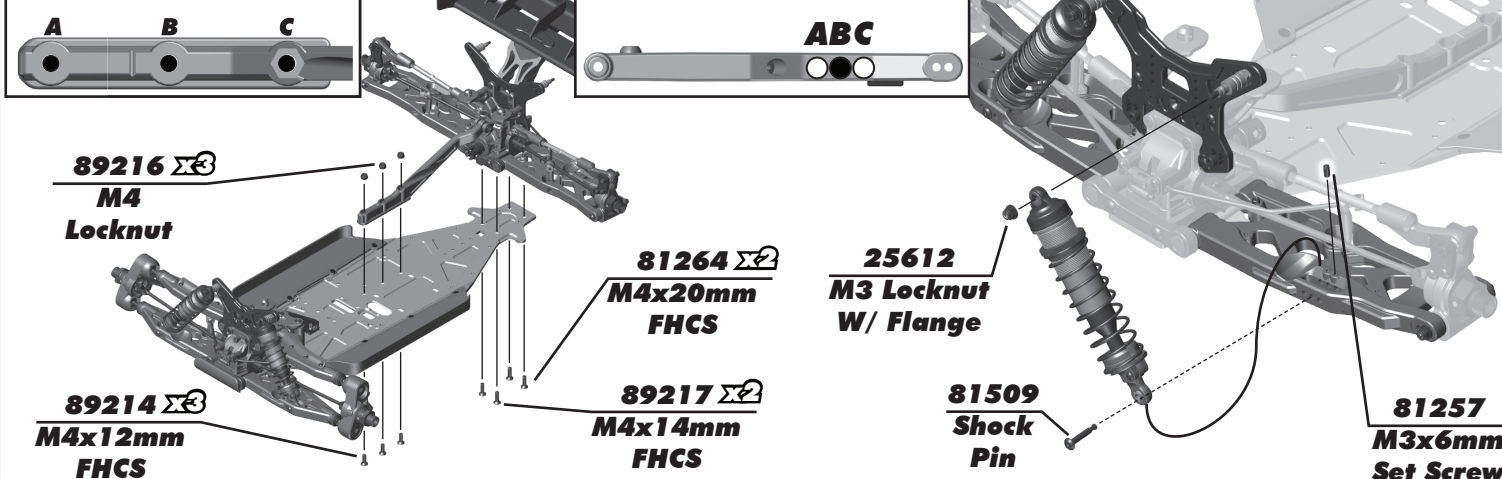
## :: Rear Hubs Build - Bag 8.1 - Step 3

### Tuning Tip:

Remove screw C or screw  
C and B for increased flex.

### Kit Setup:

Mount the rear shock in the  
outside hole on the rear arm.



# **:: RC8T4.2 / RC8T4.2e**

**If you are building an RC8T4.2e Electric kit, continue on to Center Bulkhead Build below this step.**

**If you are building an RC8T4.2 Nitro kit, go to page 23 to build the Center Bulkhead.**

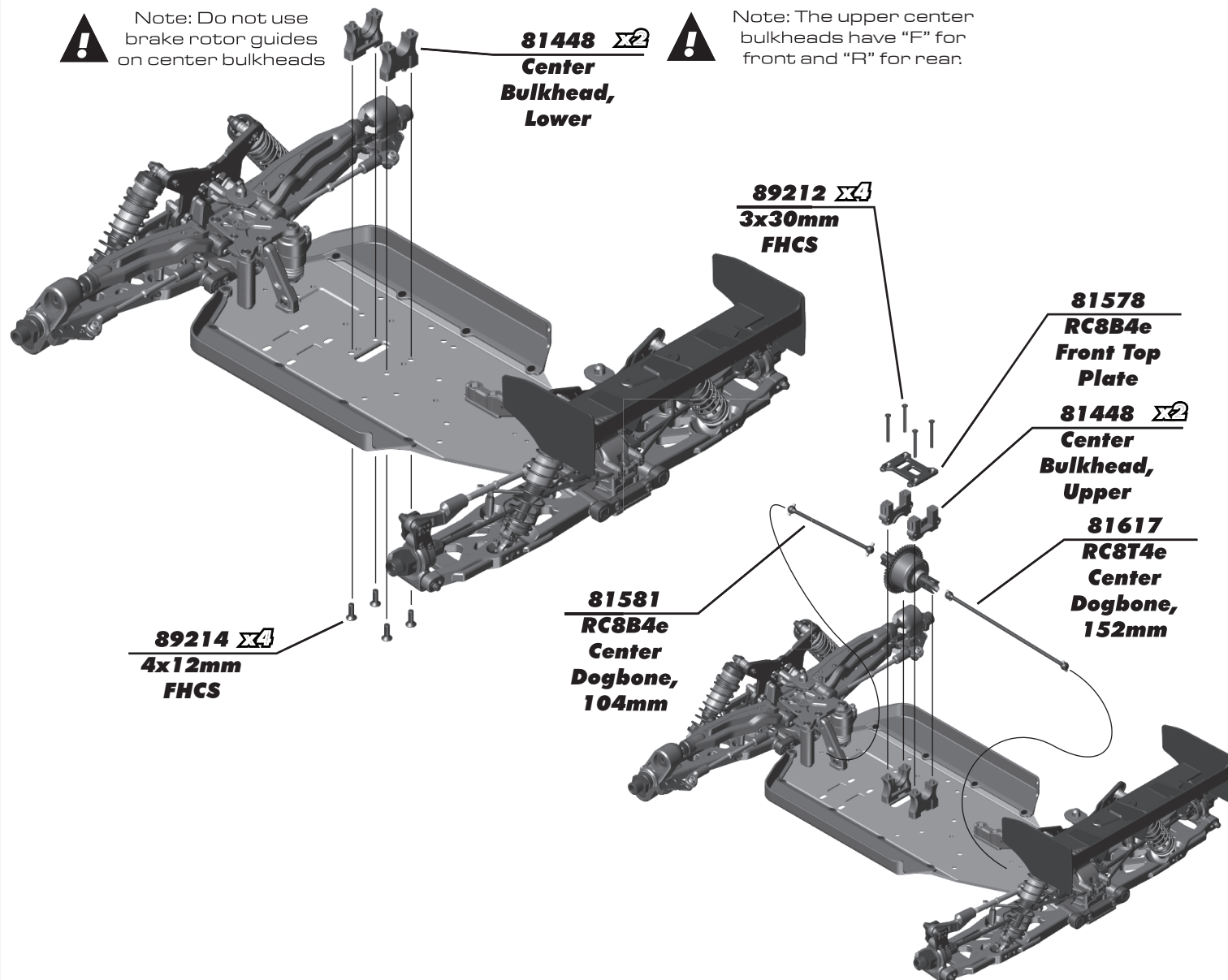
## **:: Center Bulkhead Build - 9.1 - Step 1 (RC8T4.2e)**



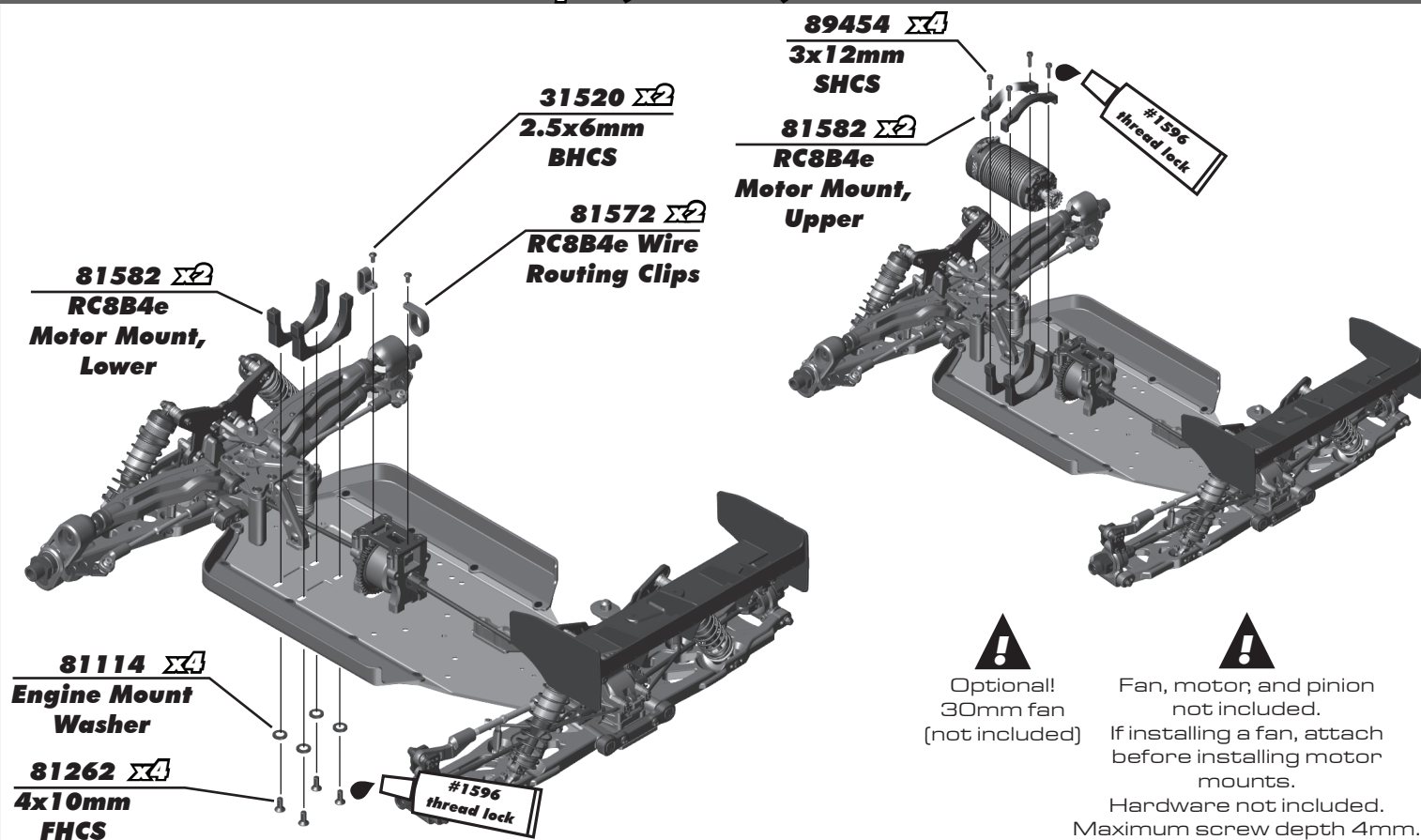
Note: Do not use brake rotor guides on center bulkheads



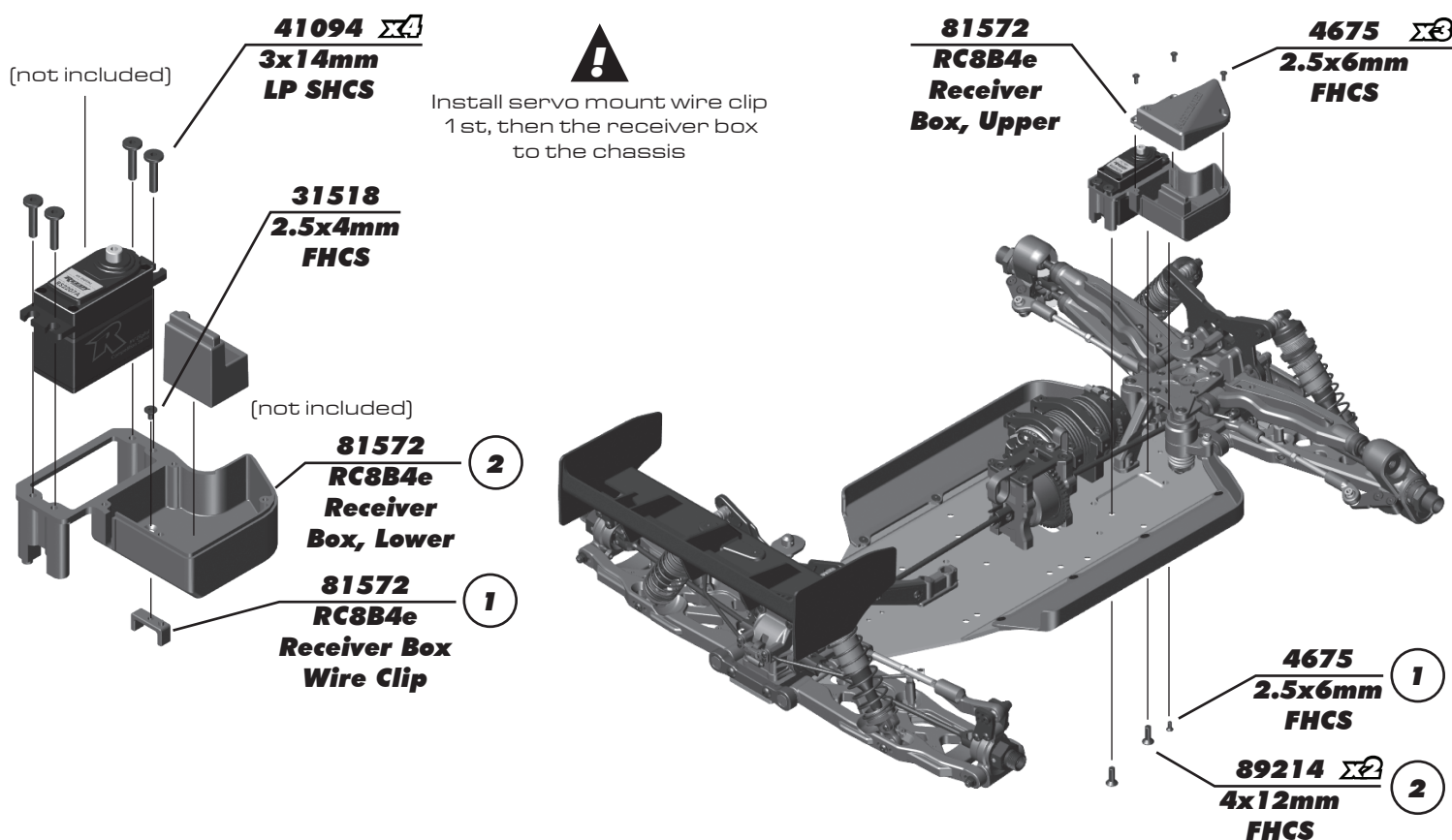
Note: The upper center bulkheads have "F" for front and "R" for rear.



## :: Center Bulkhead Build - 9.1 - Step 2 (RC8T4.2e)



## :: Center Bulkhead Build - 9.1 - Step 3 (RC8T4.2e)



## :: Servo Horn Build - 10.1 - Step 4 (RC8T4.2e)

### Spline Count



Printed here  
**23T**  
**25T**

**81556**  
**Servo Horn**  
**(Steering)**

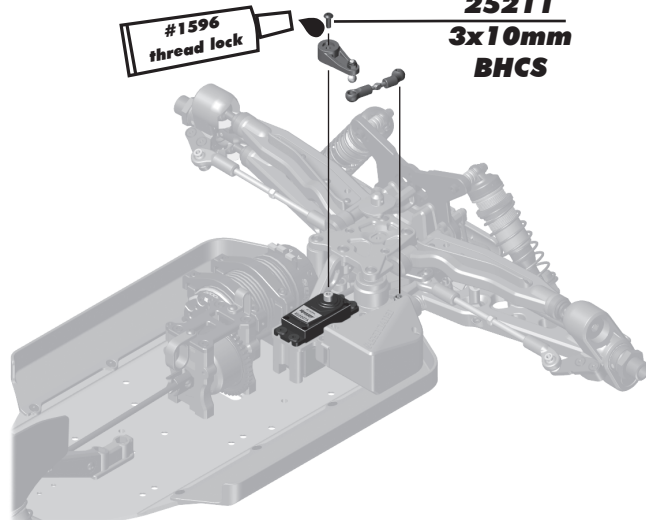
**81556**  
**Servo Horn**  
**Insert**

**25215**  
**M3**  
**Locknut**

**91048**  
**HD Ball**  
**Stud, 8mm**

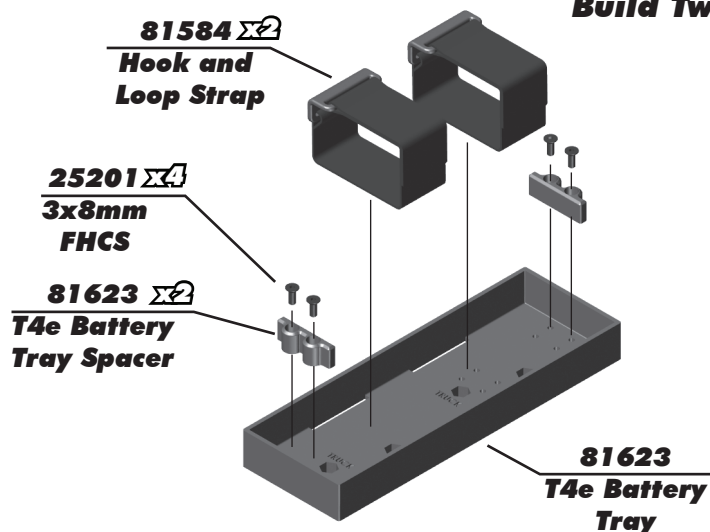
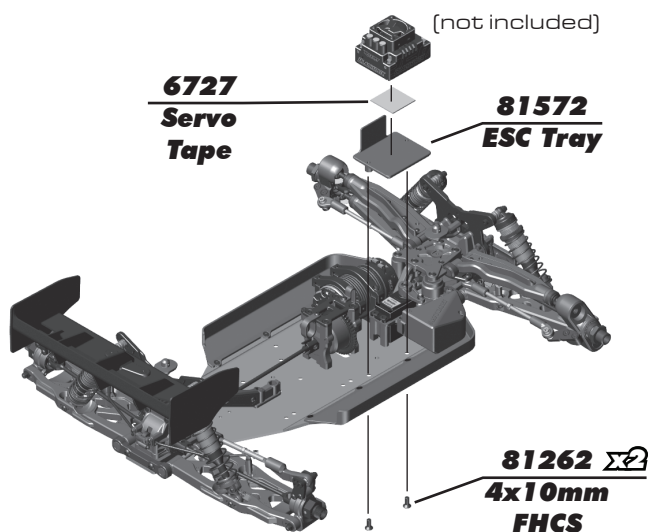
**#1596**  
**thread lock**

**25211**  
**3x10mm**  
**BHCS**



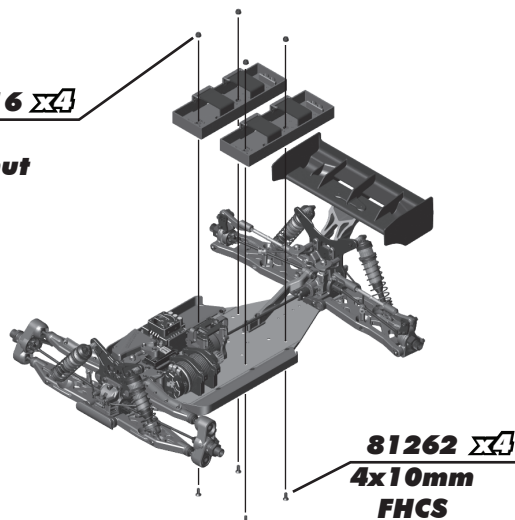
## :: Radio Tray Build - 11.1 - Step 1 / Battery Tray Build 12.1 - Step 1 (RC8T4.2e)

**Build Two**

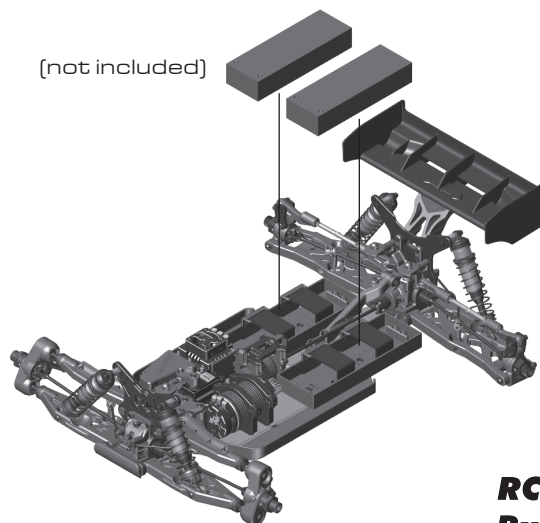


## :: Battery Tray Build 12.1 - Step 2 (RC8T4.2e)

**89216** **x4**  
**M4**  
**Locknut**

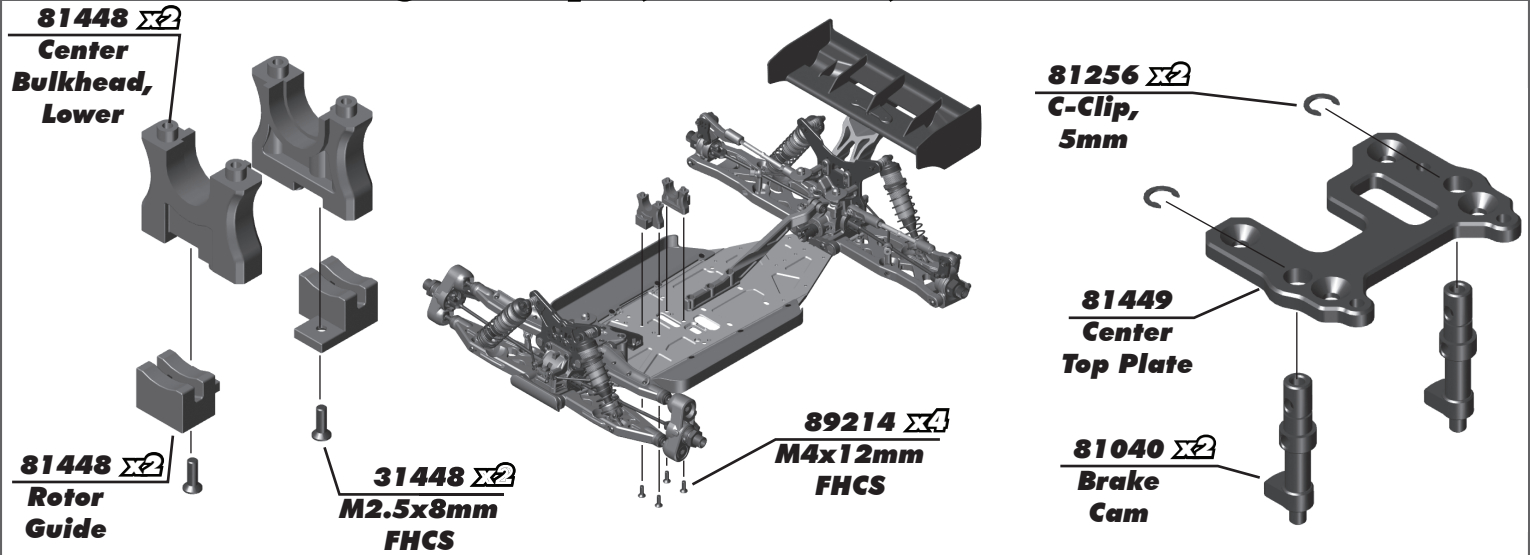


(not included)

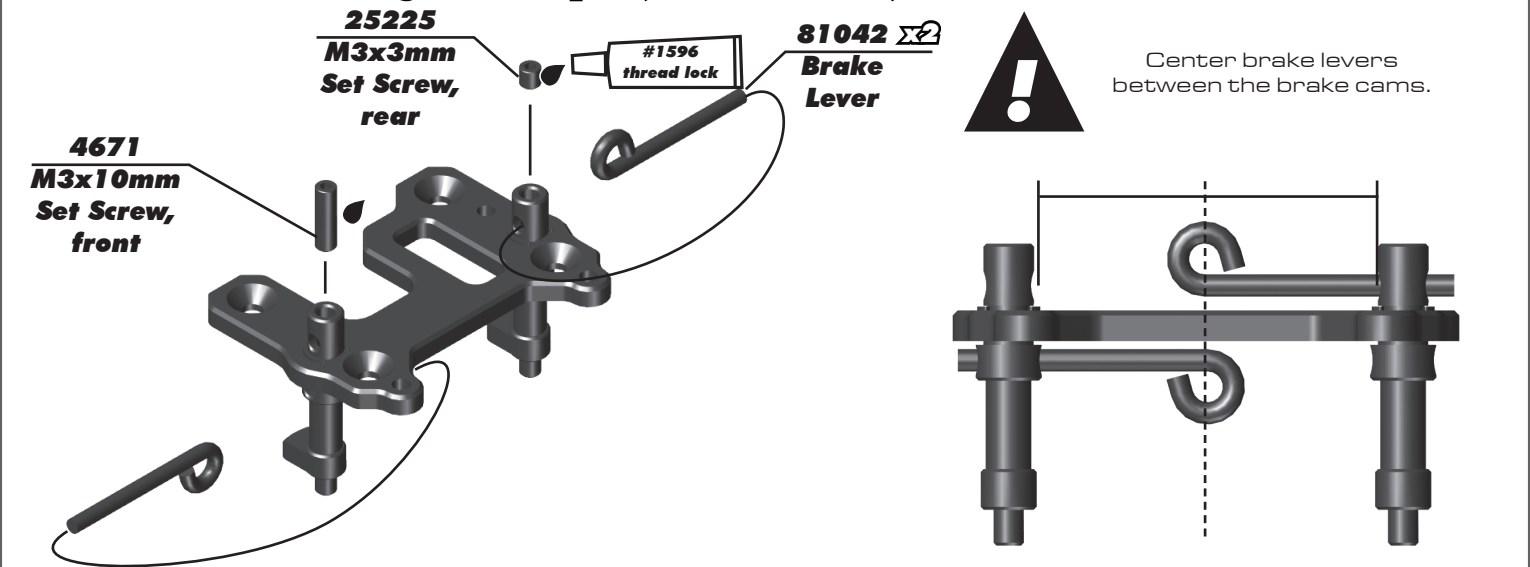


**RC8T4.2e**  
**Build End**

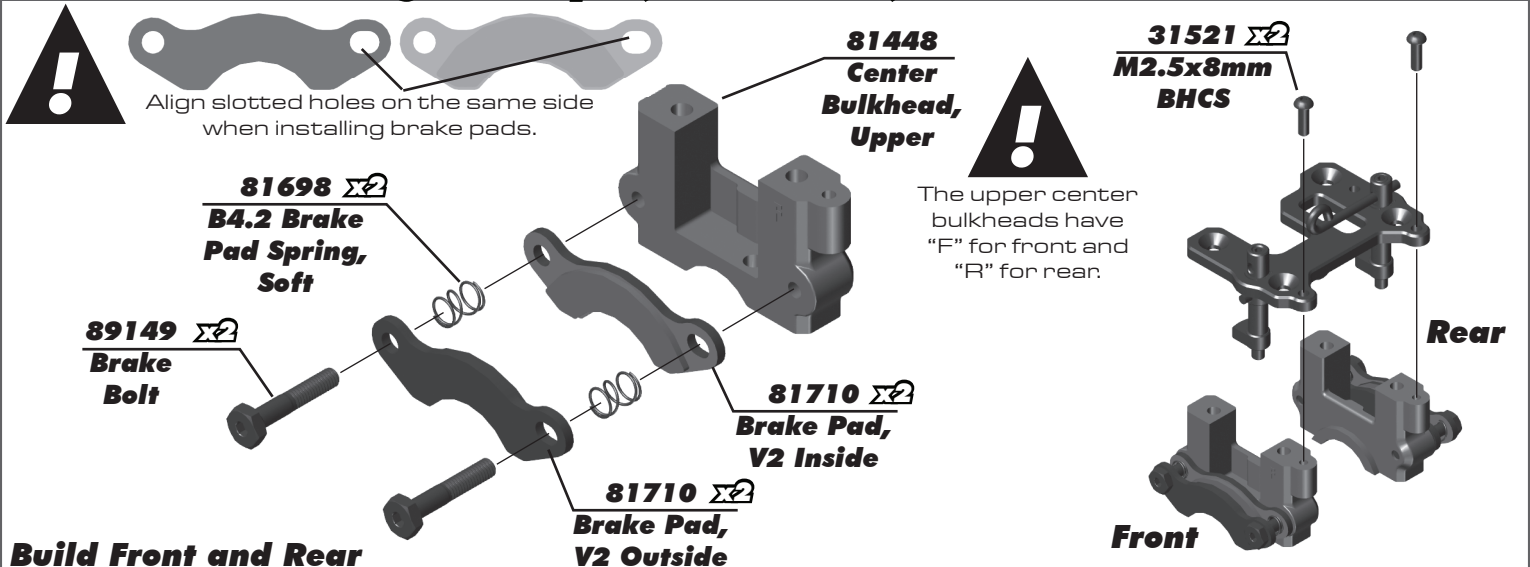
### :: Center Bulkhead - Bag 9.1 - Step 1 (RC8T4.2 Nitro)



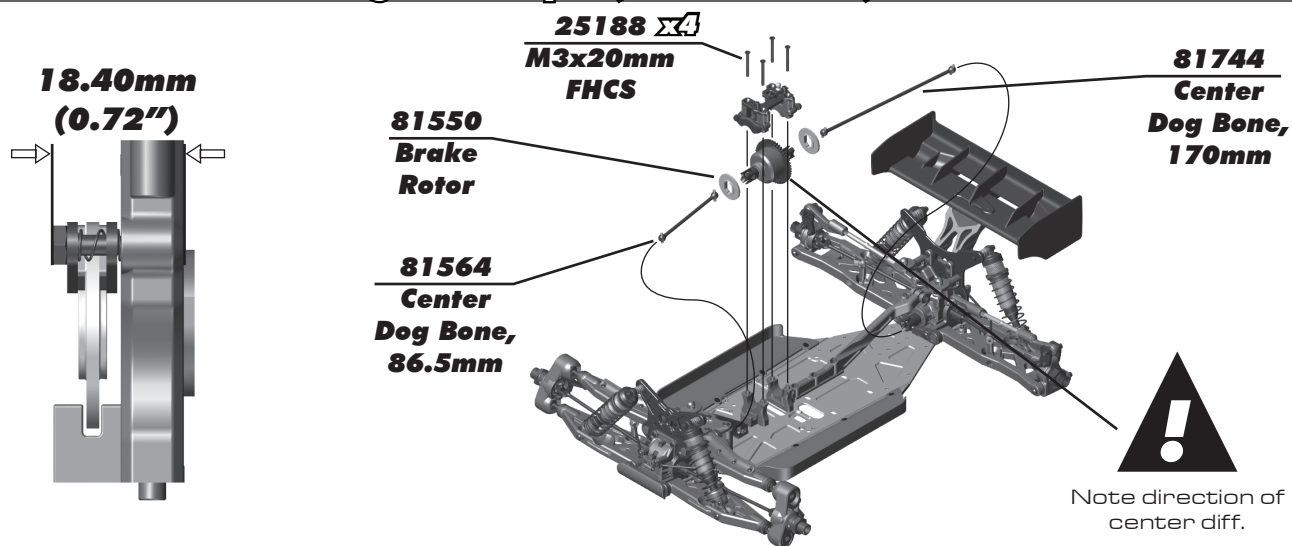
### :: Center Bulkhead - Bag 9.1 - Step 2 (RC8T4.2 Nitro)



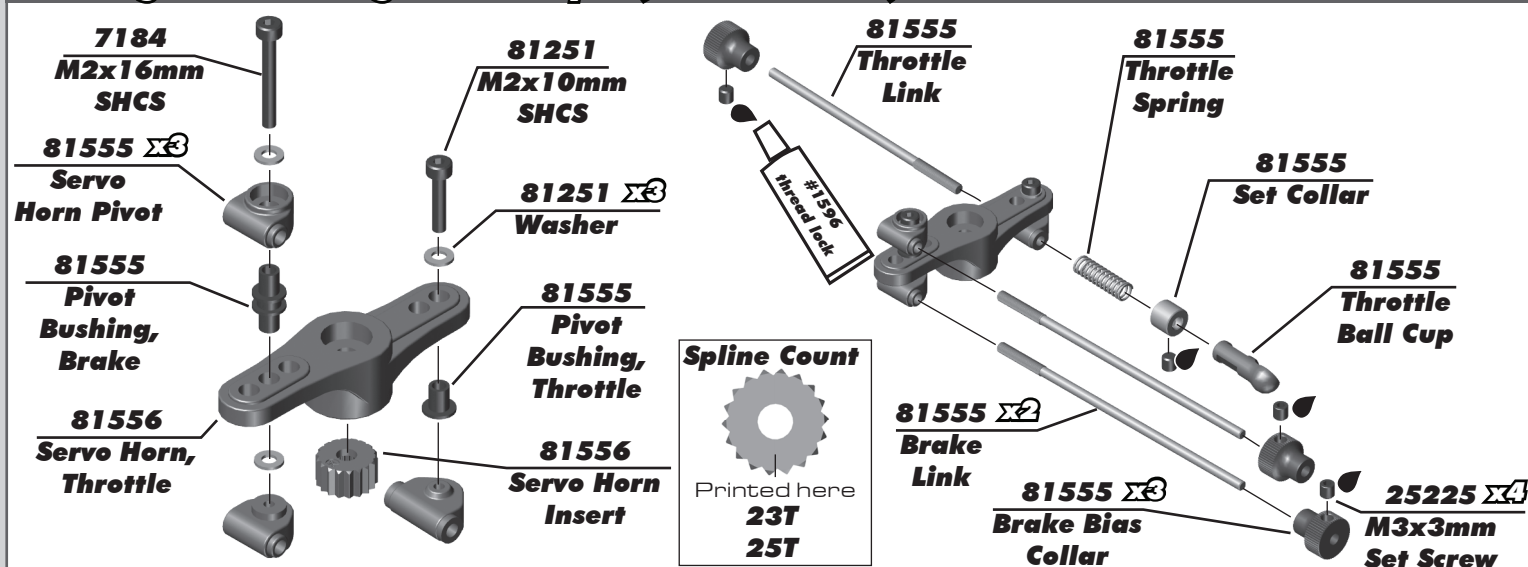
### :: Center Bulkhead - Bag 9.1 - Step 3 (RC8T4.2 Nitro)



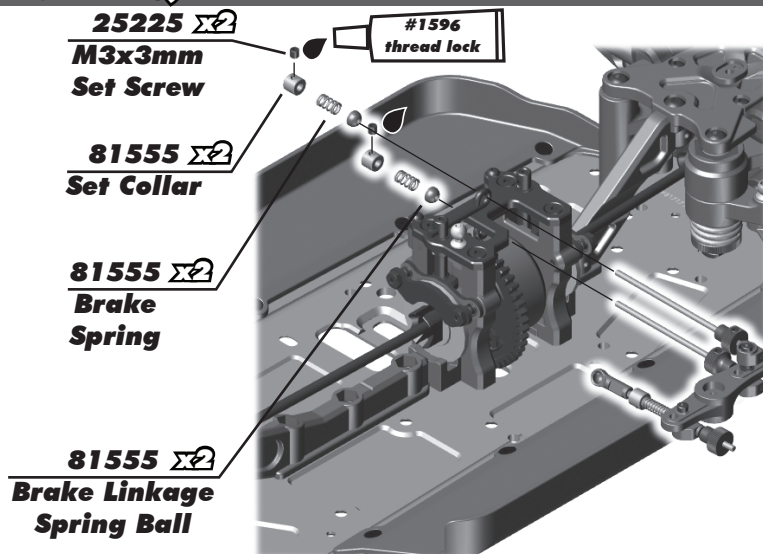
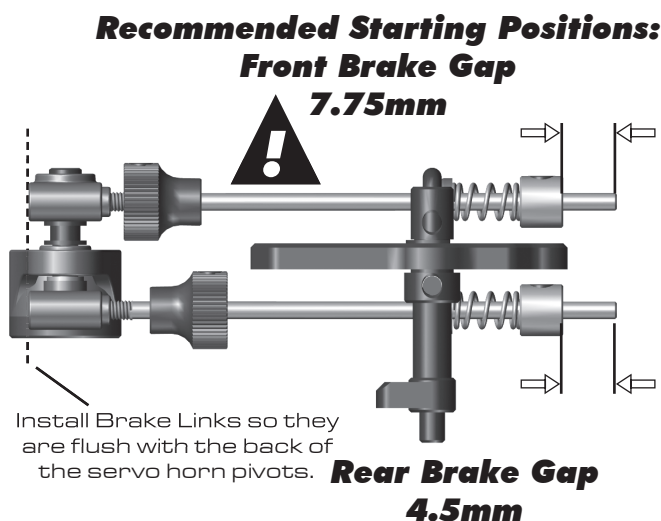
## :: Center Bulkhead - Bag 9.1 - Step 4 (RC8T4.2 Nitro)



## :: Linkages Build - Bag 10.1 - Step 1 (RC8T4.2 Nitro)



## :: Linkages Build - Bag 10.1 - Step 2 (RC8T4.2 Nitro)



## :: Linkages Build - Bag 10.1 - Step 3 (RC8T4.2 Nitro)

### Spline Count

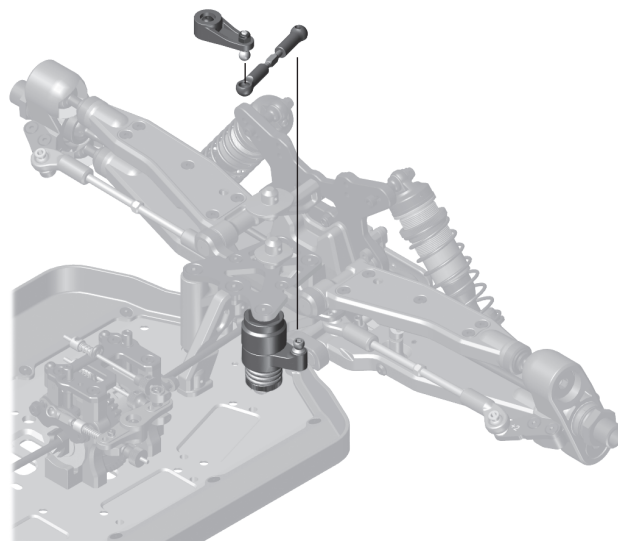


**81556**  
**Servo Horn**  
**(Steering)**

**81556**  
**Servo Horn**  
**Insert**

**25215**  
**M3**  
**Locknut**

**91048**  
**HD Ball**  
**Stud, 8mm**



## :: Radio Tray Build - Bag 11.1 - Step 1 (RC8T4.2 Nitro)

### Radio Tray Configuration:

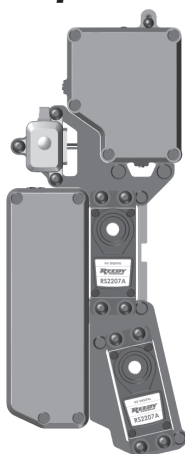
The radio tray on RC8B4 can be configured in four different ways. Each configuration changes the amount and location of flex in the chassis. Experiment with different configurations when running on different surfaces.

When removing either graphite radio tray brace or transponder mount, utilize included plastic shims to maintain proper servo height.

**81433**  
**Radio Tray**  
**Spacer**

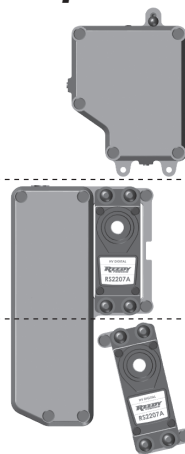


### Option 1



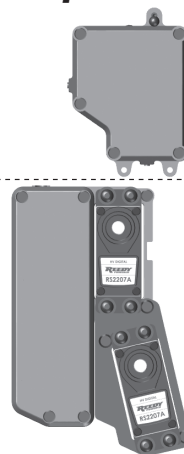
**Least Flex**  
**(Kit Setup)**

### Option 2



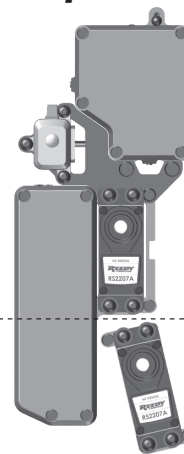
**Most Flex**

### Option 3



**More Rearward**  
**Flex**

### Option 4



**More Frontward**  
**Flex**

## :: Radio Tray Build - Bag 11.1 - Step 2 (RC8T4.2 Nitro)

**31448**  $\times 4$   
**2.5x8mm**  
**FHCS**

**81561**  
**RCB4**  
**Radio Brace**

**81433**  $\times 2$   
**Radio**  
**Tray Post**

**41094**  $\times 4$   
**3x14mm**  
**LP SHCS**

Servo not  
included!

**41094**  $\times 4$   
**3x14mm**  
**LP SHCS**

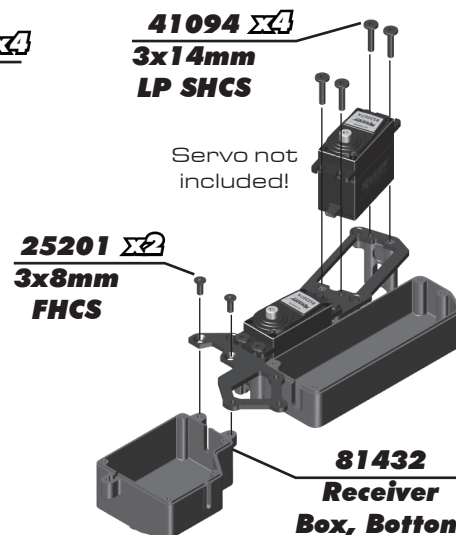
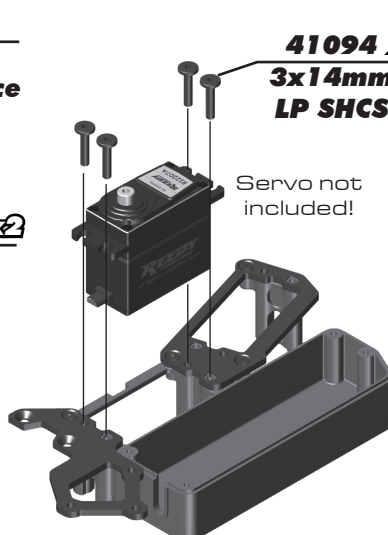
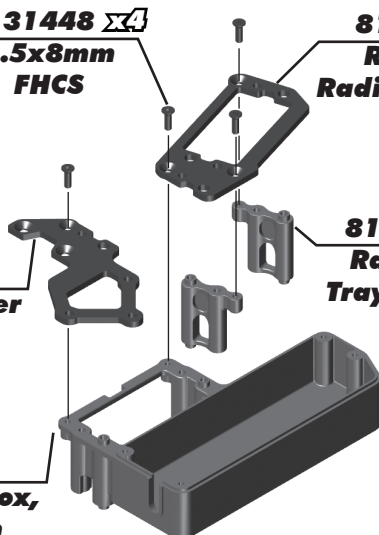
Servo not  
included!

**25201**  $\times 2$   
**3x8mm**  
**FHCS**

**81432**  
**Receiver**  
**Box, Bottom**

**81450**  
**Transponder**  
**Mount**

**81432**  
**Battery Box,**  
**Bottom**



## :: Radio Tray Build - Bag 11.1 - Step 3 (RC8T4.2 Nitro)

**42007**  $\Sigma 2$   
**Receiver  
Box  
Grommet**

Receiver  
not included!

**6727**  
**Servo  
Tape**

**42007**  $\Sigma 2$   
**Grommet  
Plug**

Receiver Battery  
not included!

**31448**  $\Sigma 9$   
**2.5x8mm  
FHCS**

**81432**  
**Receiver  
Box, Top**

**81432**  
**Battery  
Box, Top**

## :: Radio Tray Build - Bag 11.1 - Step 4 (RC8T4.2 Nitro)

**25225**  
**3x3mm  
Set Screw**

**6338**  
**Antenna  
Tube and  
Cap**

Transponder  
not included!

**25215**  $\Sigma 3$   
**M3 Locknut**

**25211**  $\Sigma 3$   
**3x10mm  
BHCS**

On/Off switch  
not included!

The switch and  
transponder  
positions can be  
reversed if desired

**Racer's Tip:**  
Center servos  
before horn  
installation!

**25211**  $\Sigma 2$   
**3x10mm  
FHCS**

**#1596**  
**thread lock**

Install the electronics  
tray, then slide the servo  
horns onto the servos!

**89214**  $\Sigma 6$   
**4x12mm  
FHCS**

## :: Clutch / Filter Build - Bag 12.1, 12.2 - Step 1 (RC8T4.2 Nitro)

**81372**  
**Flywheel  
Nut**

**Racer's Tip:**  
No thread lock  
on the flywheel  
nut.

Engine  
not included!

**81371**  
**Flywheel  
Collet**

**81370**  
**Flywheel,  
4-Shoe**

See next step for  
clutch shoe/spring  
installation order!

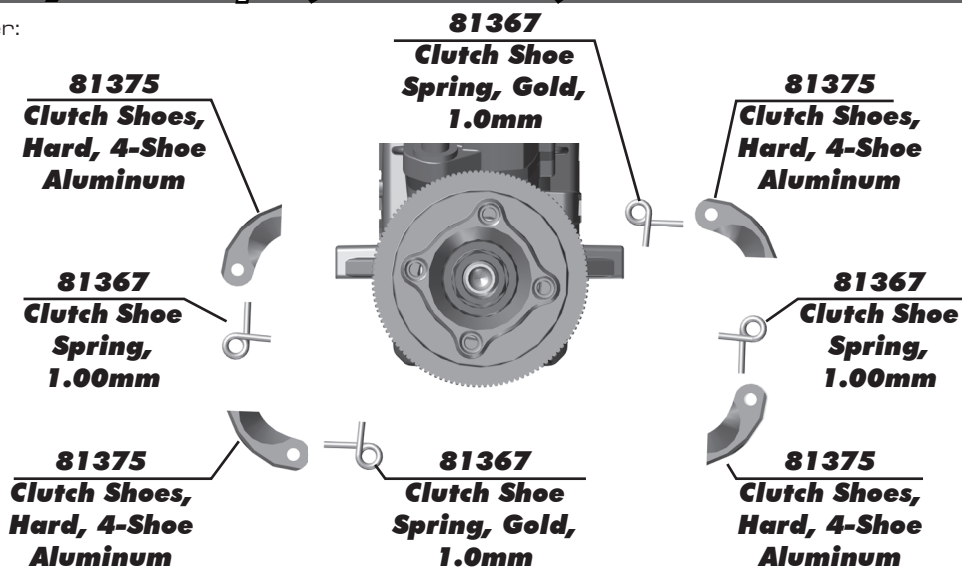
**81373**  $\Sigma 4$   
**Clutch  
Shoe Pins**

## :: Clutch / Filter Build - Bag 12.1, 12.2 - Step 2 (RC8T4.2 Nitro)

Clutch Shoe / Spring Installation Order:



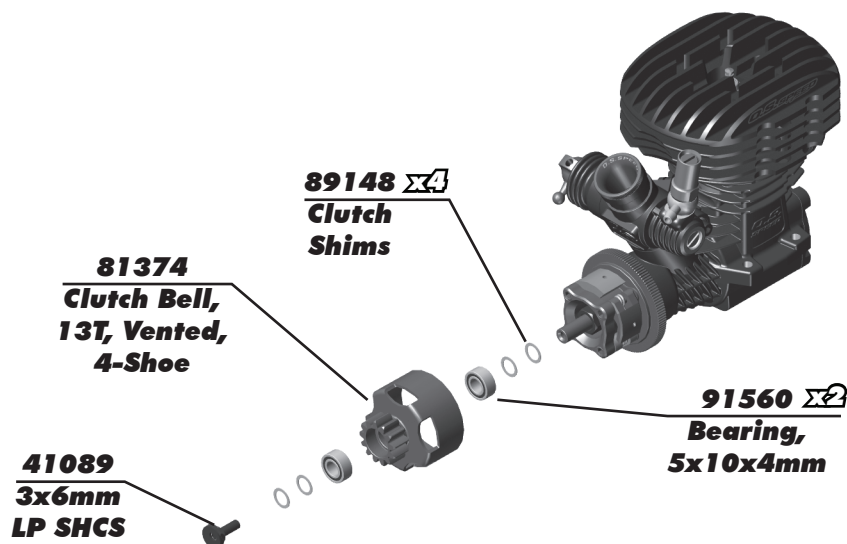
Short end of clutch shoe spring  
installed into flywheel.  
Long end of clutch shoe spring  
installed into clutch shoe.



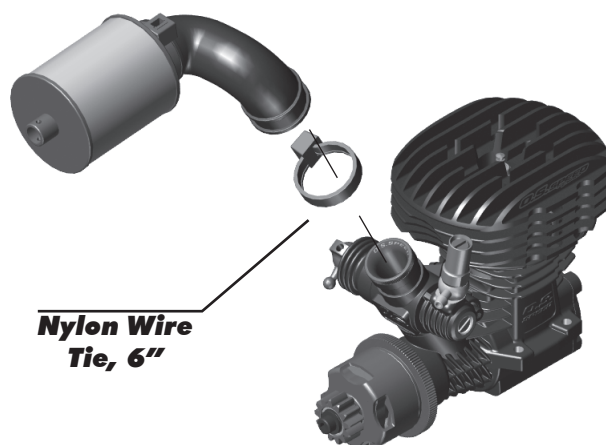
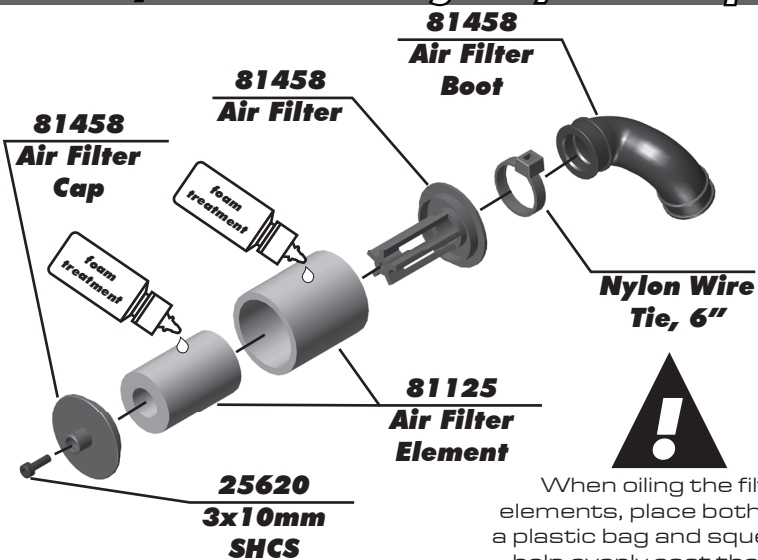
## :: Clutch / Filter Build - Bag 12.1, 12.2 - Step 3 (RC8T4.2 Nitro)

Clutch shimming instructions:

- Build assembly with shims as shown
- If clutch bell does not spin freely:  
Move shim from behind clutch bell to in front of clutch bell
- OR-
- Remove one shim from front of clutch bell
- Recommended axial play in clutch bell = 0.2mm - 0.5mm

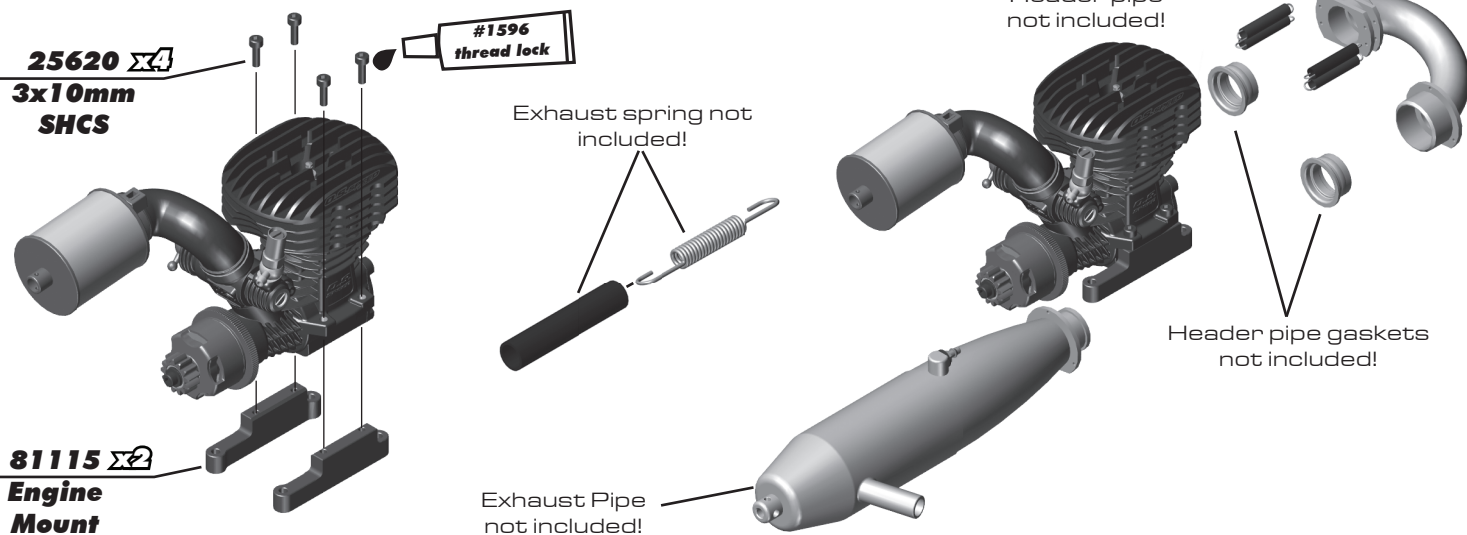


## :: Clutch / Filter Build - Bag 12.1, 12.2 - Step 4 (RC8T4.2 Nitro)

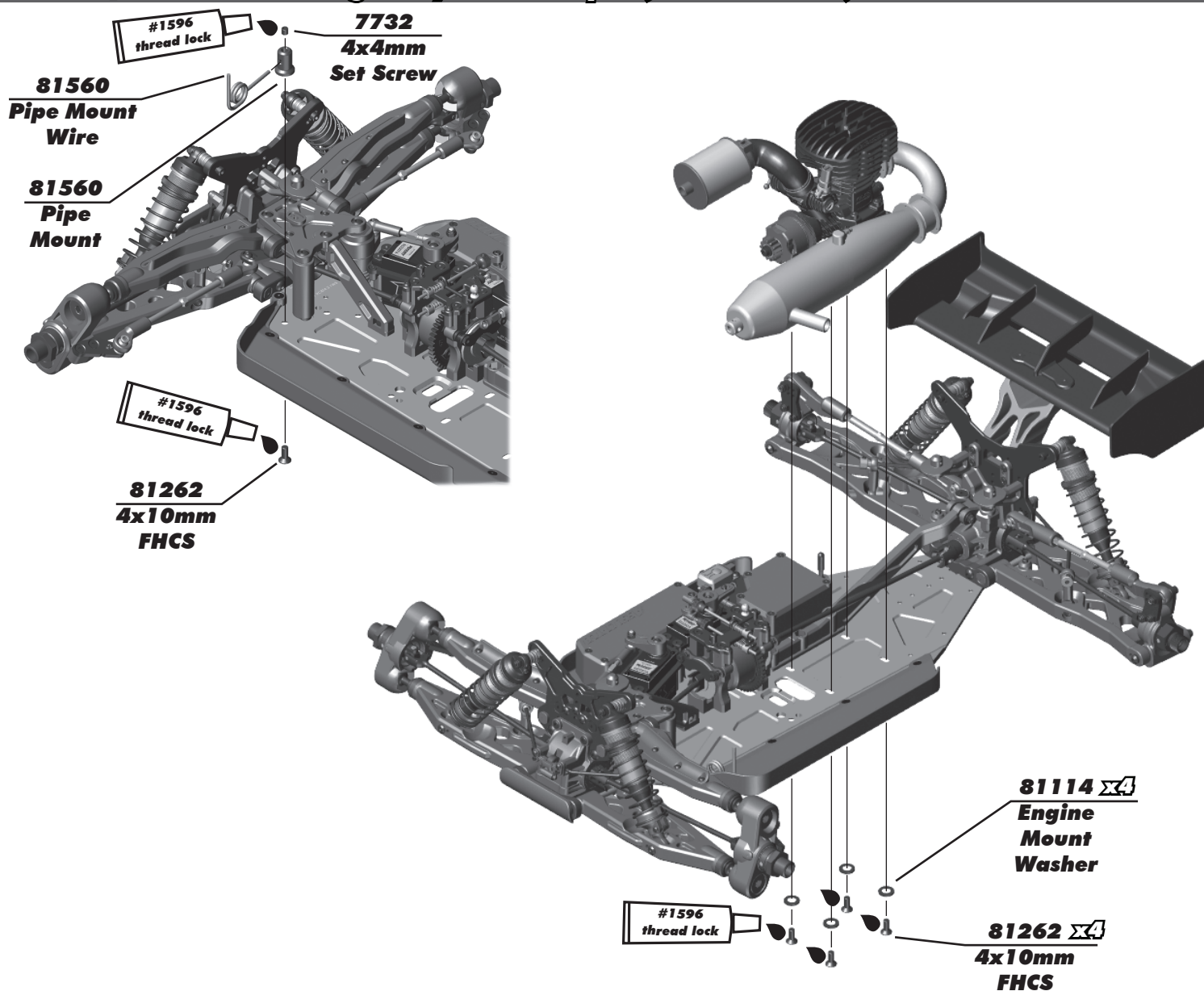


When oiling the filter elements, place both inside a plastic bag and squeeze to help evenly coat the filter.

## :: Clutch / Filter Build - Bag 12.1, 12.2 - Step 5 (RC8T4.2 Nitro)



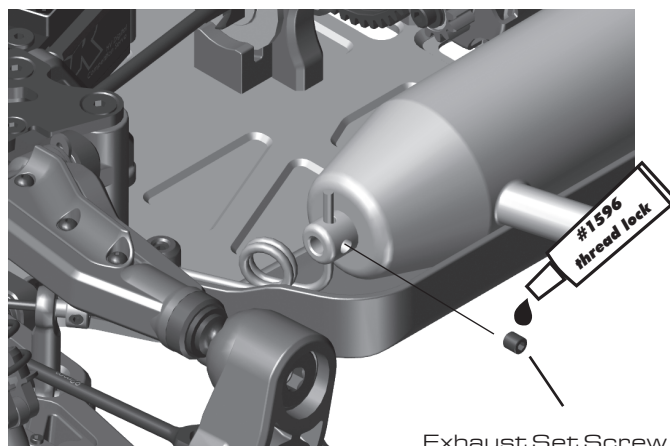
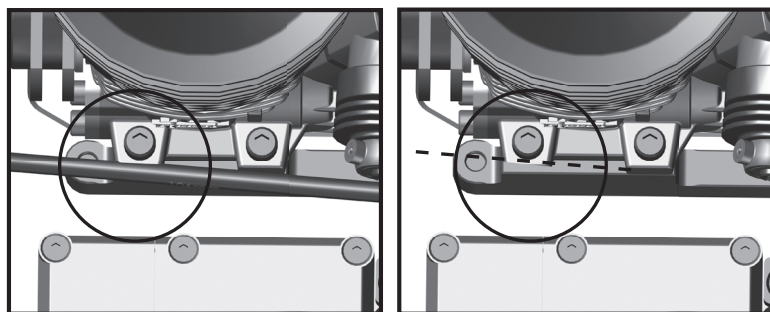
## :: Clutch / Filter Build - Bag 12.1, 12.2 - Step 6 (RC8T4.2 Nitro)



## :: Clutch / Filter Build - Bag 12.1, 12.2 - Step 7 (RC8T4.2 Nitro)

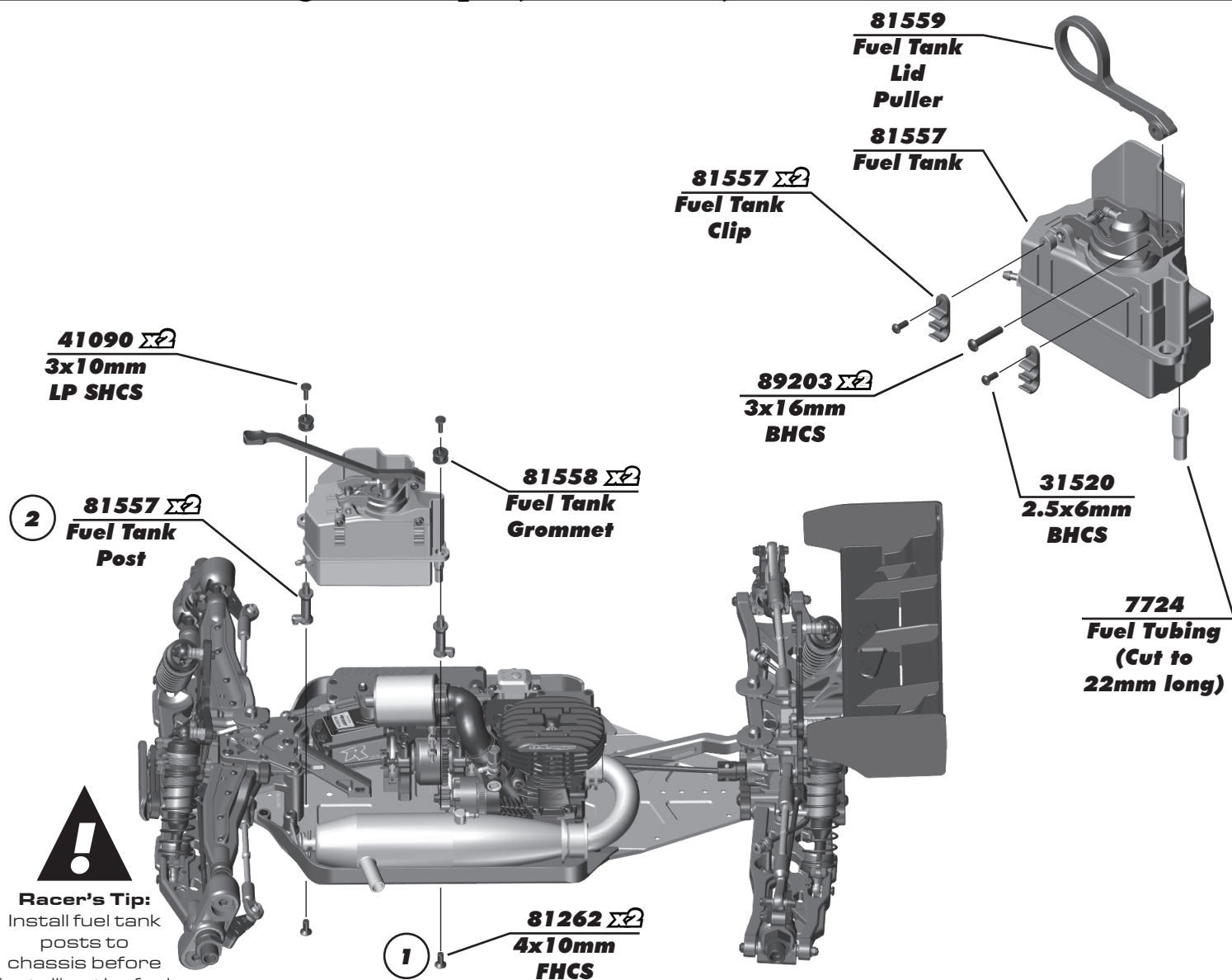


When installing your engine, make sure the rear drive shaft does not interfere with the engine block. You may need to remove material from the engine block for fitment.



Exhaust Set Screw not included!

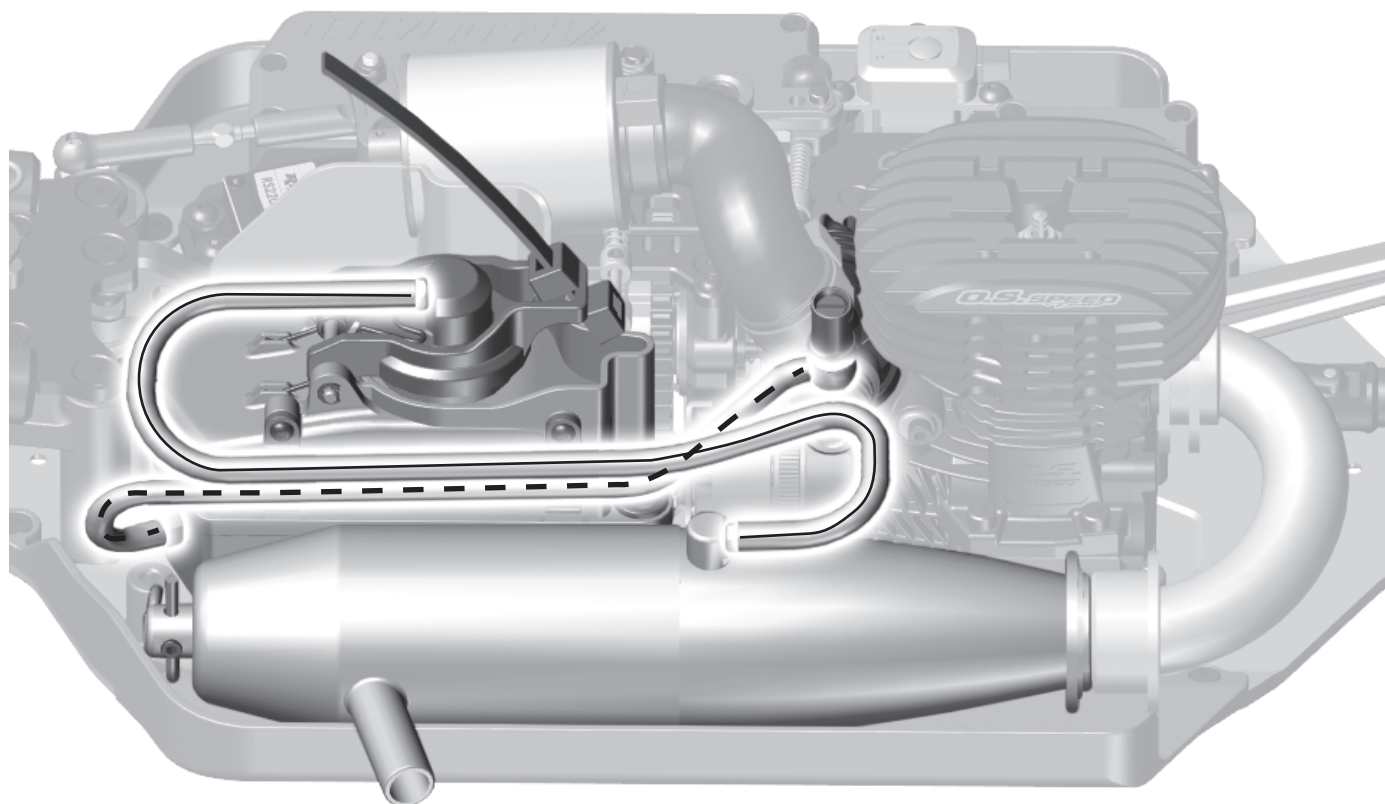
## :: Fuel Tank Build - Bag 13.1 - Step 1 (RC8T4.2 Nitro)



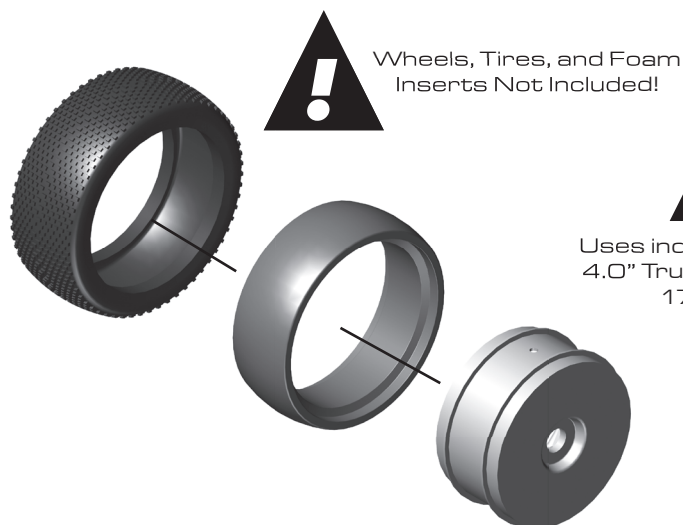
## :: Fuel Tank Build - Bag 13.1 - Step 2 (RC8T4.2 Nitro)

**Pressure line from  
fuel tank lid to  
exhaust pipe**

**Fuel line from fuel  
tank to carburetor**

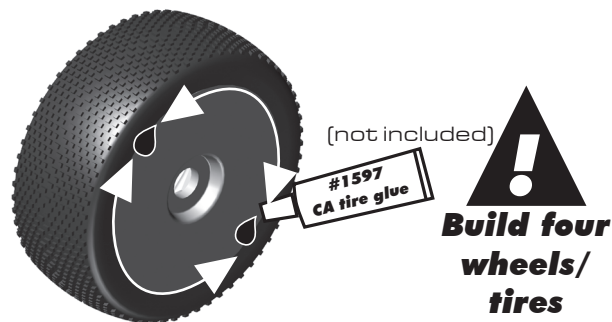


## :: Wheels / Tires / Body - Misc. - Step 1



Wheels, Tires, and Foam  
Inserts Not Included!

Uses industry standard  
4.0" Truggy wheels with  
17mm hex.



**Build four  
wheels/  
tires**

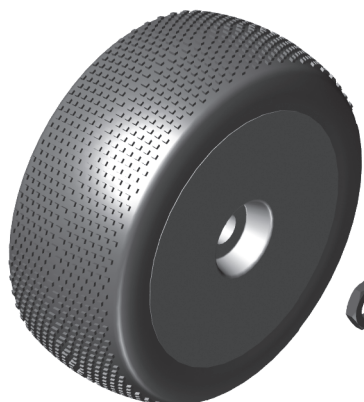
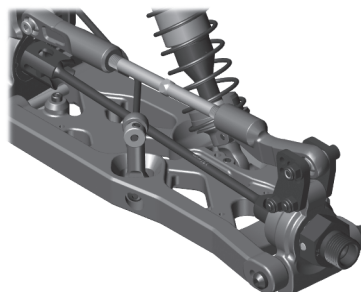
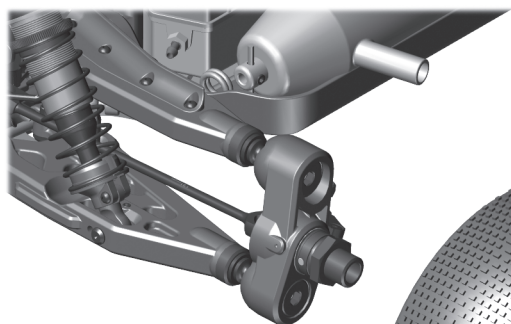
### **Tires:**

When gluing tires to wheels, use a fast-curing tire glue (CA) [AE # 1597]. This is available at your local hobby shop. Make sure to clean the mounting surface of the tire and wheel with alcohol for best adhesion.

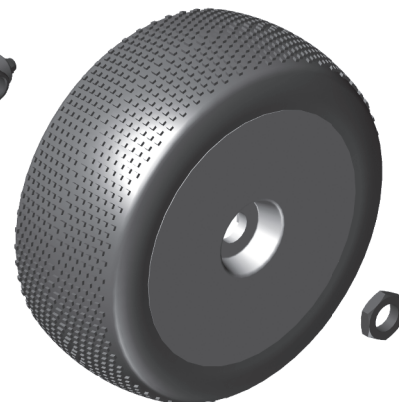
## :: Wheels / Tires / Body - Misc. - Step 2



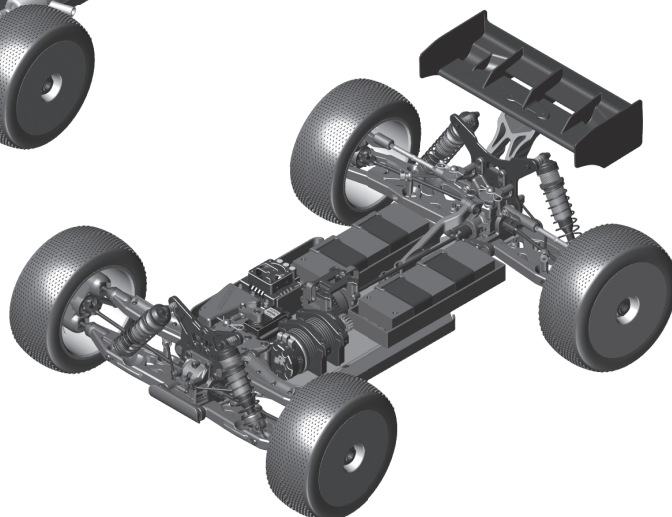
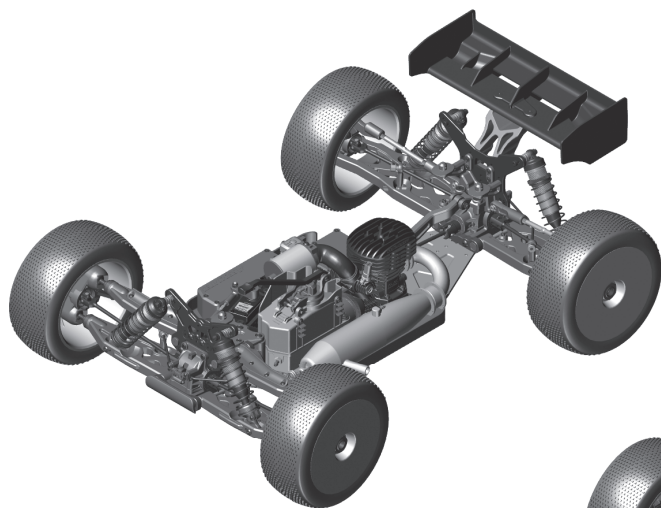
Install wheel nuts with the serrated edge towards the wheel.



**81082**   
**Wheel Nuts,**  
**17mm**  
**(Blue)**



## :: Wheels / Tires / Body - Misc. - Step 3



### **Painting Tips:**

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. Dry the body using a clean, soft, lint-free cloth. Install the window masks on the inside of the body. (RC cars get painted on the inside). Using high quality masking tape, apply tape to the inside of the body to create a design. Spray (either rattle can or airbrush RC specific paint) the paint to the inside of the body (preferably dark colors first, lighter colors last).

**NOTE:** use **ONLY** paint that is recommended for use with (polycarbonate) plastics. If you do not, you can destroy the polycarbonate body!

After painting, cut the body along the trim lines. Make sure to drill or use a body reamer to make the holes for the body mounts and antenna!

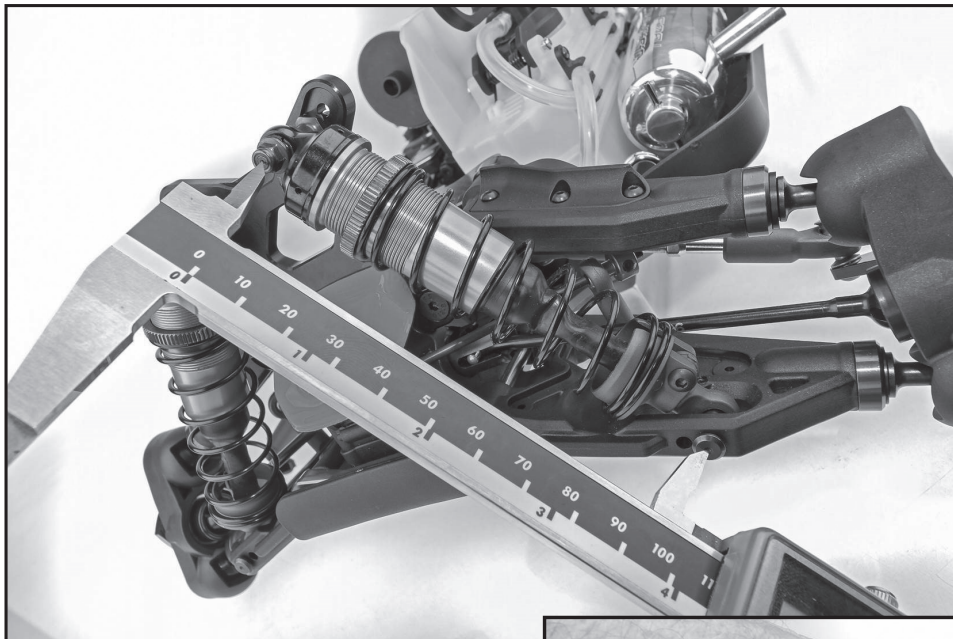
## :: Droop Settings

Set droop by measuring overall length of shock (from standoff to shock pin) while the chassis is elevated above your working surface. The shocks should be fully extended.

Kit setup for front droop is 101 mm shock length, and 126 mm shock length for the rear "C" hole.

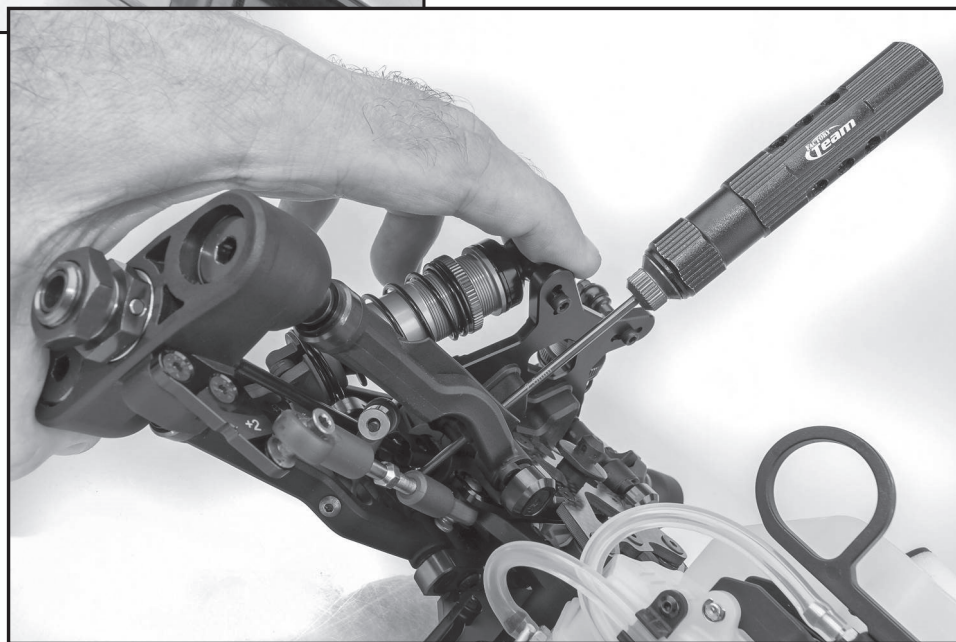
If the shock length is too long, adjust by turning the droop screws clockwise.

If the shock length is too short, adjust by turning the droop screws counter-clockwise.



### Racer's Tip:

Use 123 mm for the middle "B" rear arm hole, and +2 or 0 eyelet.



**Front Droop:** Increasing front droop (loosen droop screws) will increase off-throttle steering. It also allows the front end to lift more, giving more rear grip and less front grip on-power. Remember to never loosen the screws beyond the FULL DROOP setting. Decreasing front droop (tighten droop screws) yields more on-power steering and quicker response at the expense of some stability in bumpy sections. It will also give less off-throttle steering.

**Rear Droop:** Increasing rear droop (loosen droop screws) will increase traction in bumpy sections, but will reduce high-speed stability. Remember to never loosen the screws beyond the FULL DROOP setting. Decreasing rear droop (tighten droop screws) will increase stability in high speed sections, but will reduce stability in bumpy sections.

### Setup Sheets:

To find different setups for your kit, visit our website, <https://www.associatedelectrics.com/teamassociated/> and click on the "Setup Sheets" link, and then the link to your model. Our team of professional drivers help develop these setups at races worldwide. Additionally, most drivers have a "base" setup that they use as a starting point for most races. Try running some of our base setups or look for track conditions and tires that are similar to your local track and replicate that setup. Remember, each adjustment has a purpose, so copy everything from the setup sheet and then make adjustments based on the recommendations in here.

**:: Notes:**



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***call: (949) 544-7500 - fax: (949) 544-7501***  
***Check out the following web sites for all of our kits, current products,***  
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