

**FE**  
CLASSIC

**RC10**  
SINCE 1984



# TEAM ASSOCIATED

1:10 Scale Electric 2WD On Road Competition Race Car Manual  
#8024 RC10 F6 Classic Kit



## :: 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

Features in the RC10F6 Kit:

- 2.5mm aluminum chassis for superior flex characteristics
- Front and rear wings modeled after 2017 F1 rules included
- Genuine Fox Kashima Coated center shock for minimal friction and extended wear
- Chassis design allows for multiple battery configurations
- New center pivot design for optimized rear pod assembly
- Light weight graphite axle for increased durability and rigidity
- Differential thrust bearing assembly for smooth action and extended life between rebuilds
- Rear axle accepts all standard spur gears without adapter
- Two steering bellcrank options for fine tuning Ackermann and steering rate
- Integrated droop posts for adjusting droop without disassembly

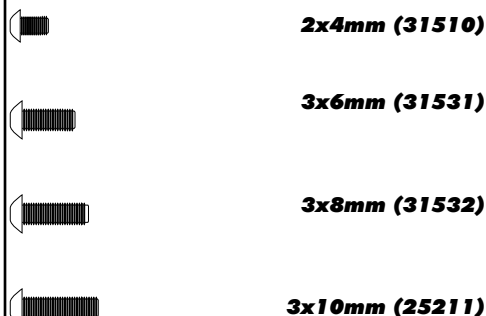
## :: Additional

Your new RC10F6 comes unassembled and requires the following items for completion. (refer to website section for suggestions):

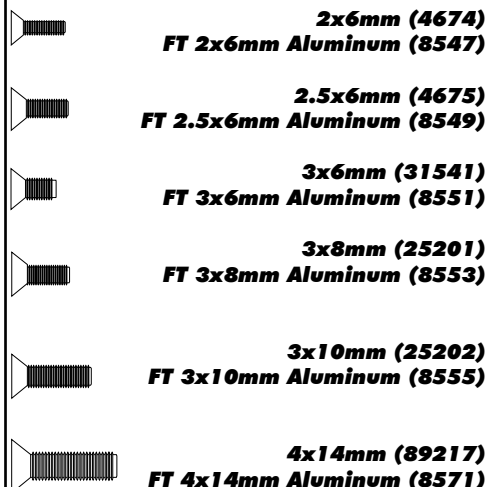
- |   |  |
|---|--|
| • 1:10th scale electric motor and electronic speed control                        | • Polycarbonate specific paint for body  |
| • 3.7V-7.4V LiPo, 6.6V LiFe, or 4.8V-7.2V NiMH/NiCd battery                       | • Body Scissors (AE Part #1737)          |
| • Battery charger (suited for, and particular to, one of the batteries mentioned) | • CA Glue (AE Part# 1697)                |
| • 2 channel surface transmitter, 2 channel receiver, and steering servo / horn    | • Thread Lock (AE Part #1596)            |
| • Silicone Shock Fluid (Refer to website for complete listings)                   | • FT Dual Turnbuckle Wrench (AE#1114)    |
| • Silicone Diff Fluid (Refer to website for complete listings)                    | • Shock Shaft Pliers (AE Part #1681)     |
| • Wire Cutters/ Hobby Knife / Reamer / Hole Punch                                 | • Needle Nose Pliers                     |
| • FT Hex Wrenches (AE Part #1518)   | • FT Hex/Nut Drivers Set (AE Part #1519) |
| • Calipers or a Precision Ruler   | • Soldering Iron                         |

## :: Hardware - 1:1 Scale View

### Button Head (bhcs)



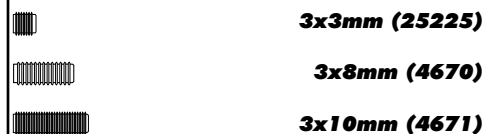
### Flat Head (fhcs)



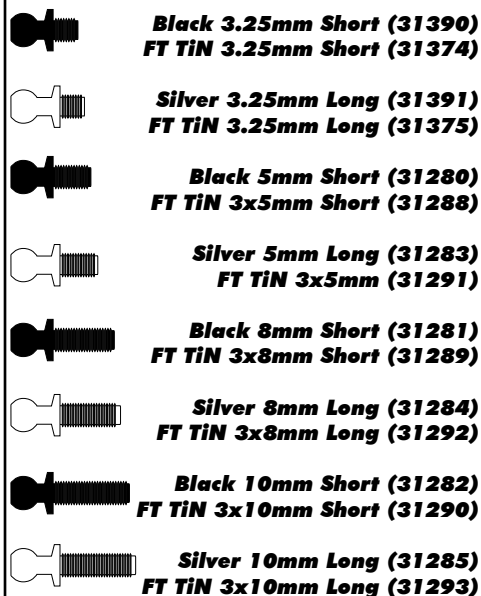
### Socket Head (shcs)



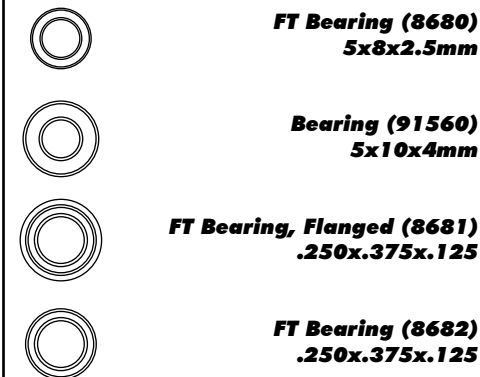
### Set screw



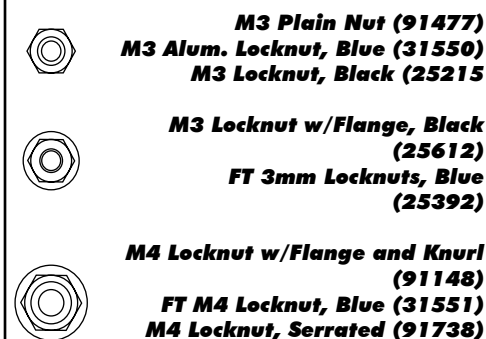
### Ballstuds



### Ball Bearings



### Nuts (lock/plain)



### Pivot Balls



### Shims and Washers



### Notes:

## :: Table of Contents

1..... Cover	8 - 11.....Rear Suspension Build (Bag 3.1, 3.2)
2..... Introduction	11 - 12.....Axle Build (Bag 4.1, 4.2)
3..... 1:1 Hardware "Fold Out"	13 - 15.....Wings, Electronics, Wheel and Body Build (Bag 5.1, 5.2)
4..... Table of Contents	16.....Kit Setup Sheet
5 - 6.....Shock, Damper Tubes & Turnbuckles Build (Bag 1.1, 1.2)	17.....Blank Setup Sheet
6 - 8.....Front Suspension Build (Bag 2.1, 2.2)	18..... Back Cover

## :: Notes



***This symbol indicates a special note or instruction 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.***

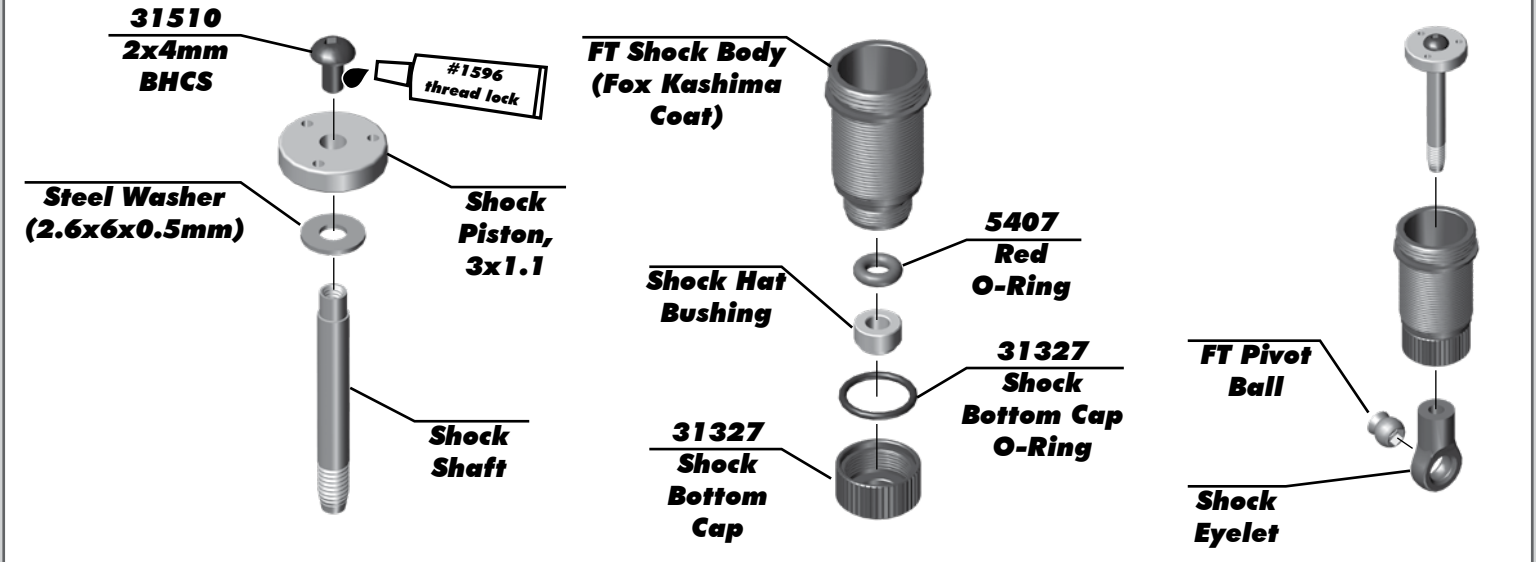
Associated Electronics, Inc.  
21062 Bake Parkway.  
Lake Forest, CA 92630



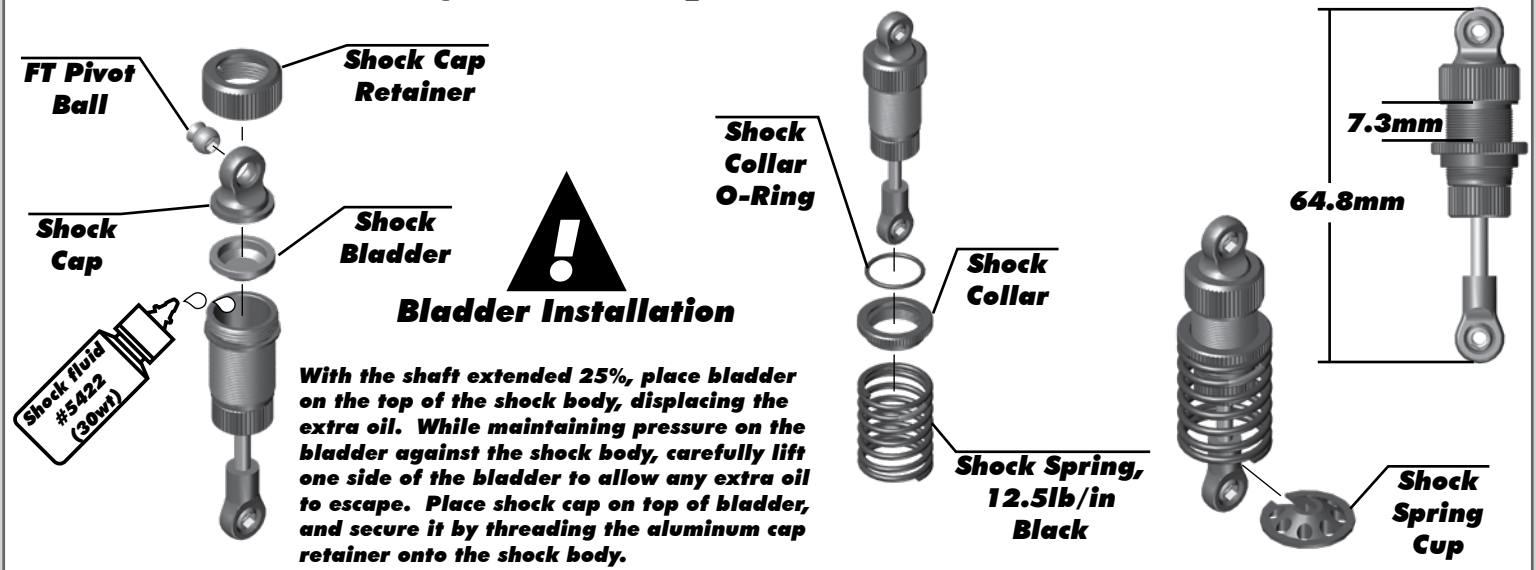
Customer Service  
Tel: 949.544.7500  
Fax: 949.544.7501

<http://www.AssociatedElectrics.com> • <http://www.instagram.com/teamassociatedrc/> • <http://www.facebook.com/TeamAssociated/>

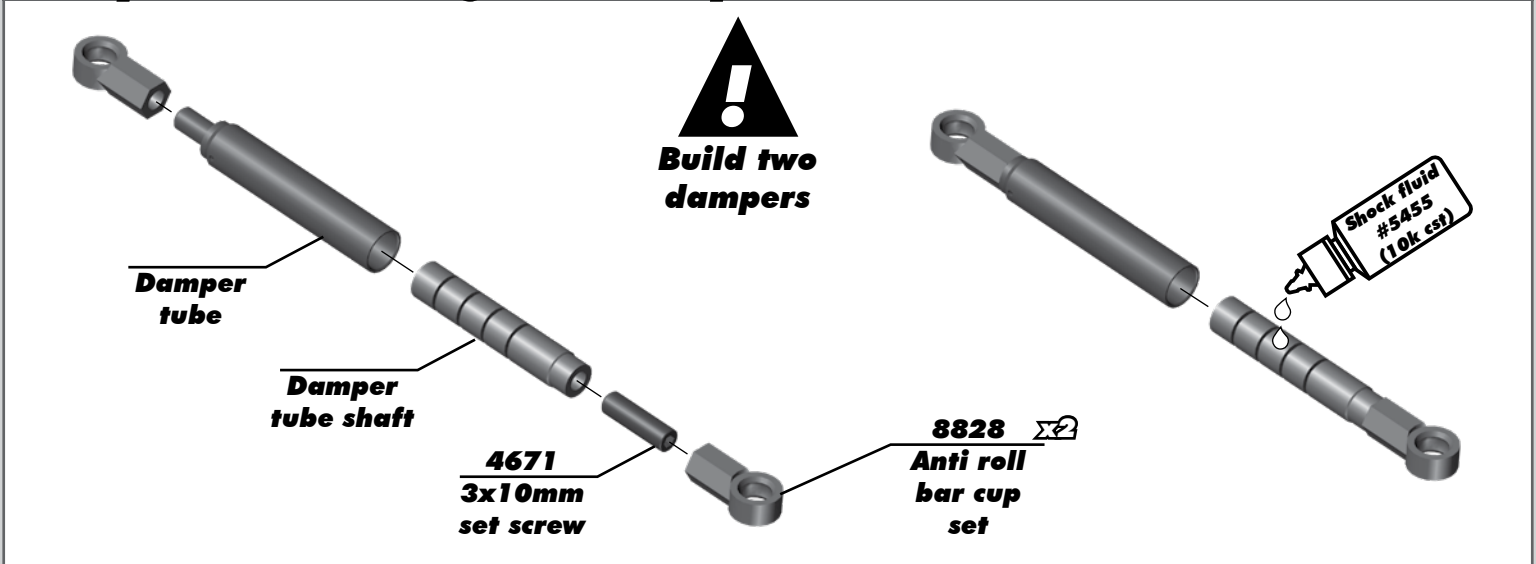
## :: Center Shock Build - Bag 1.1, 1.2 - Step 1



## :: Center Shock Build - Bag 1.1, 1.2 - Step 2

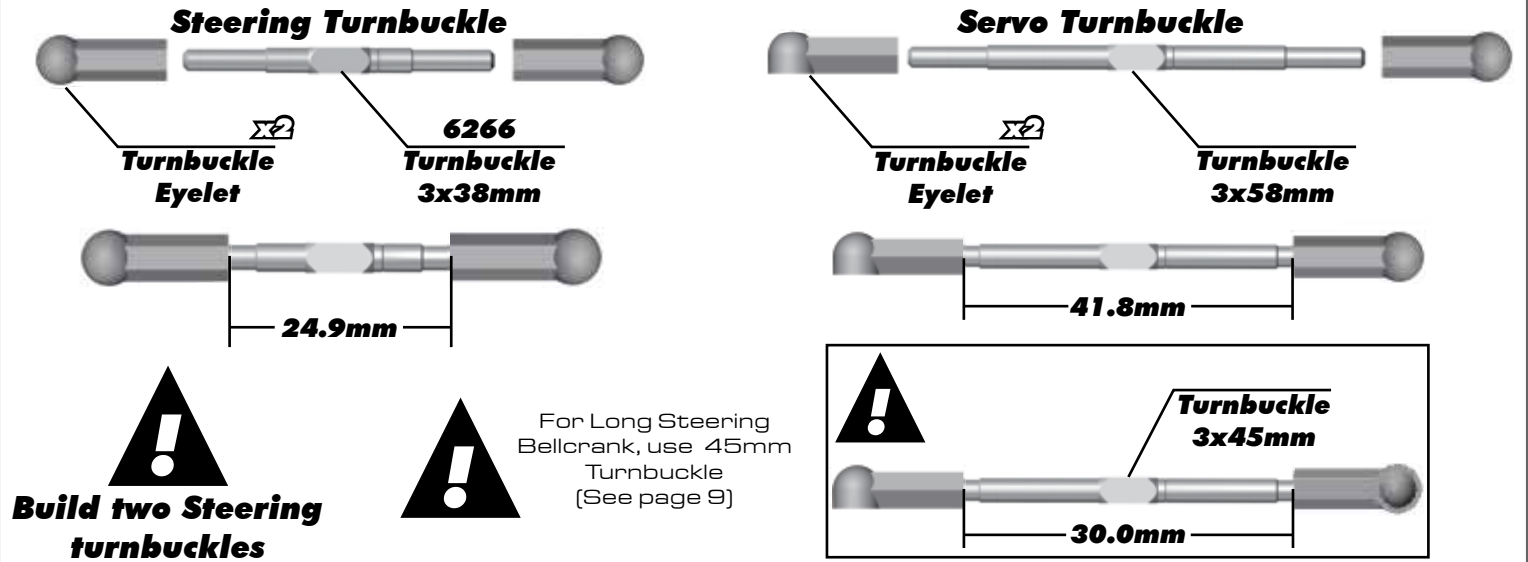


## :: Damper Tubes Build - Bag 1.1, 1.2 - Step 3

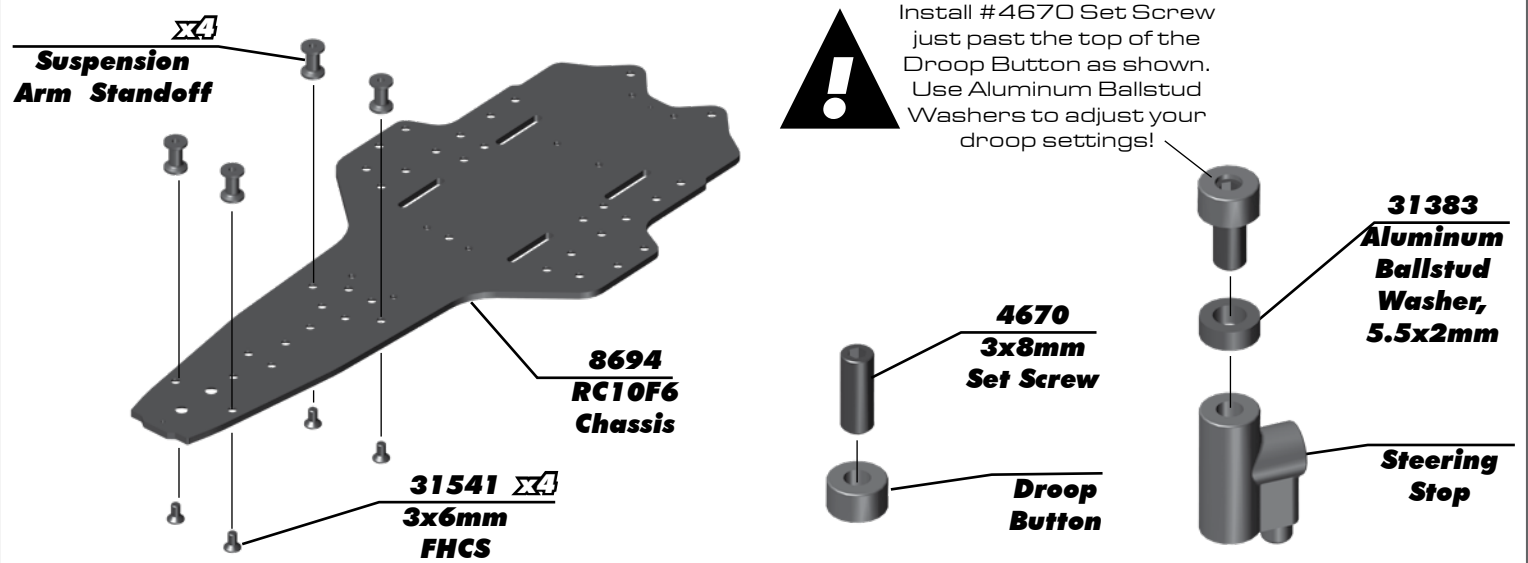




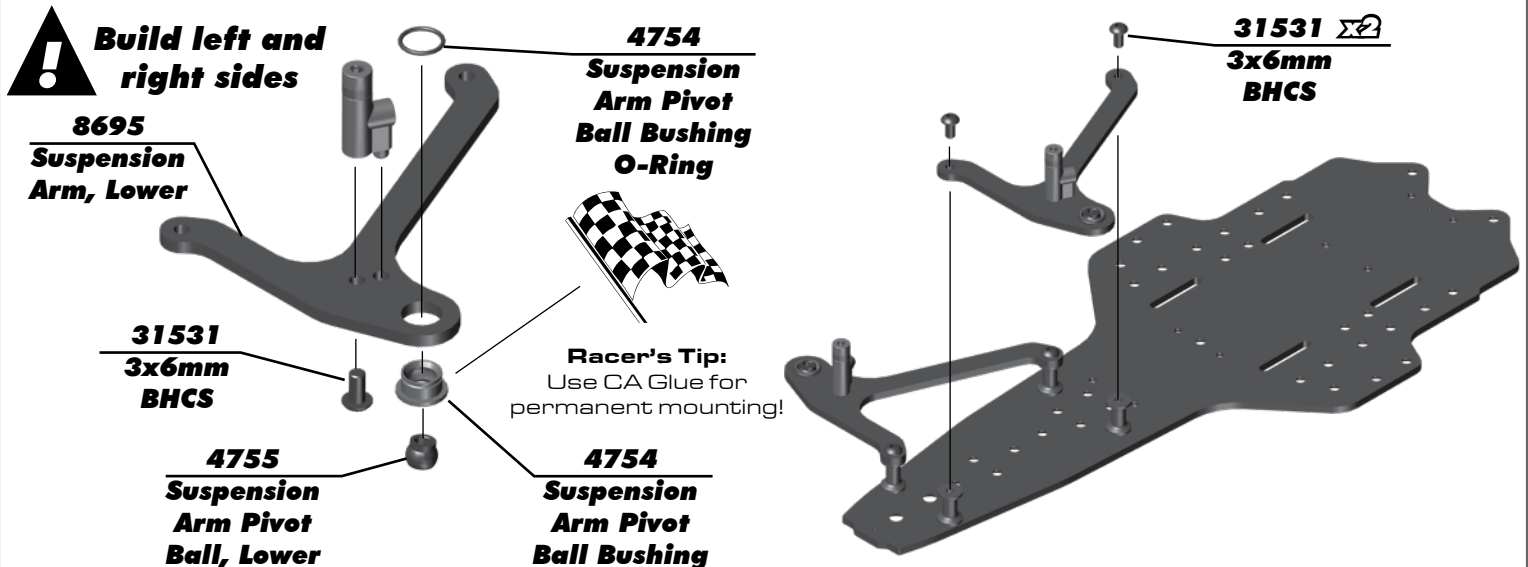
## :: Turnbuckles Build - Bag 1.1, 1.2 - Step 4



## :: Front Suspension Build - Bag 2.1, 2.2 - Step 1

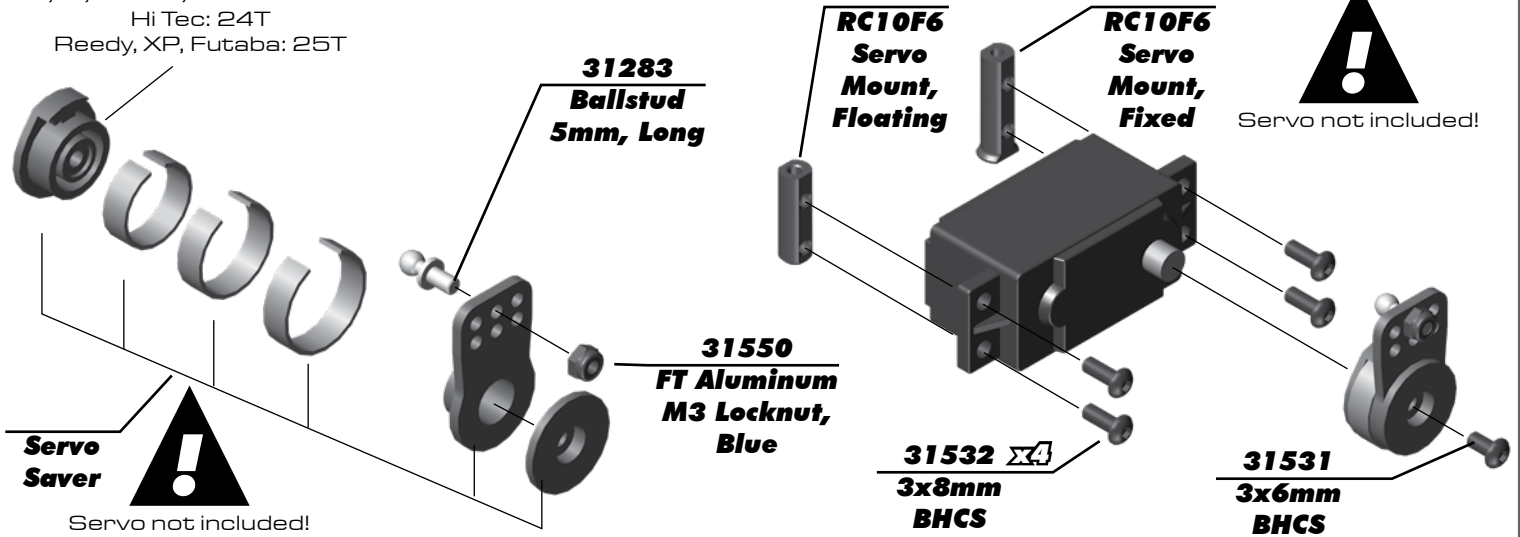


## :: Front Suspension Build - Bag 2.1, 2.2 - Step 2

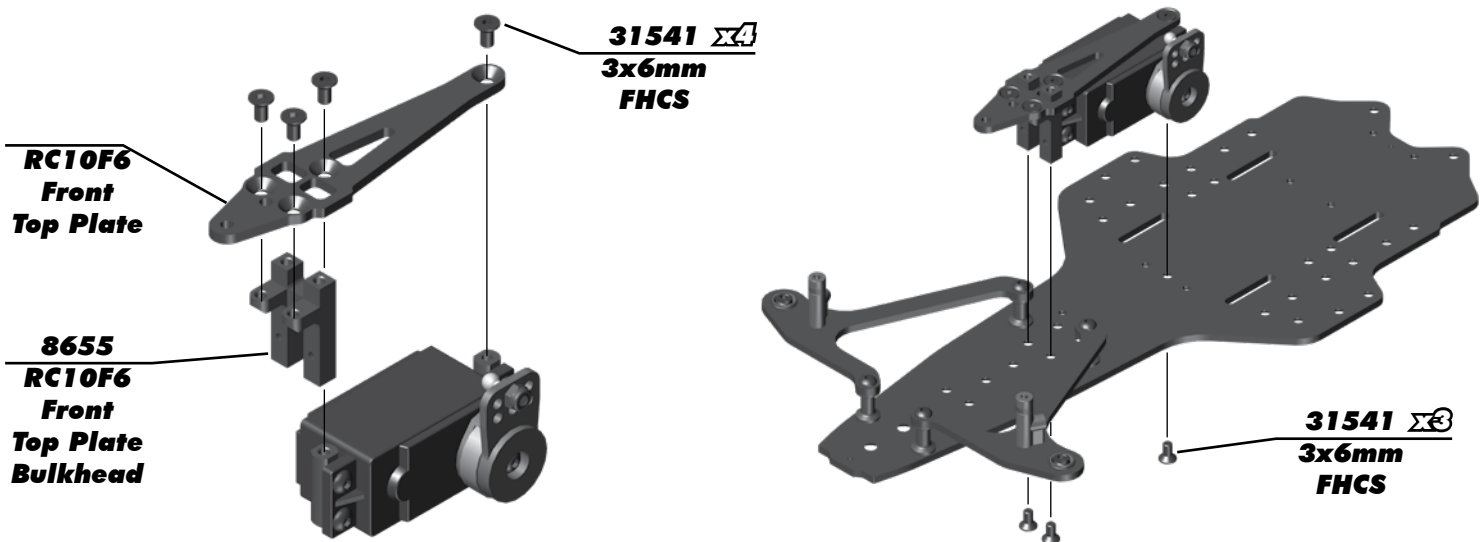


## :: Front Suspension Build - Bag 2.1, 2.2 - Step 3

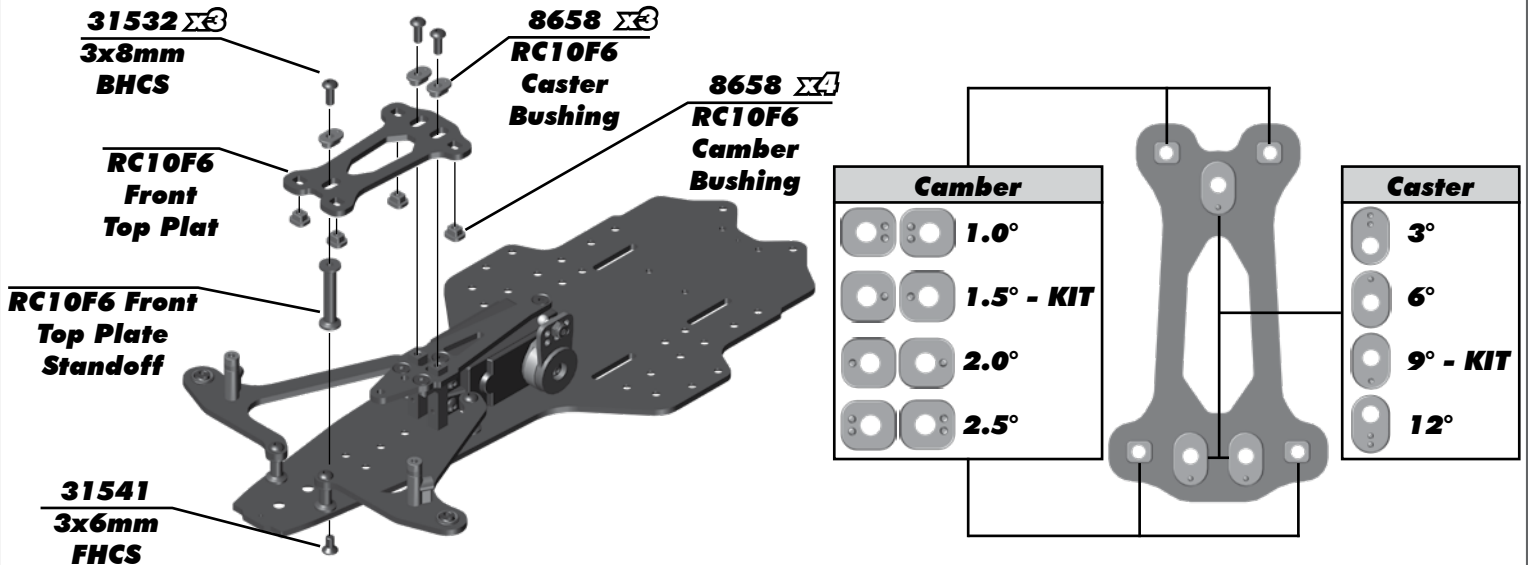
KO, Jr, Sanwa, Airtronics : 23T  
Hi Tec: 24T  
Reedy, XP, Futaba: 25T



## :: Front Suspension Build - Bag 2.1, 2.2 - Step 4



## :: Front Suspension Build - Bag 2.1, 2.2 - Step 5



## :: Front Suspension Build - Bag 2.1, 2.2 - Step 6

**4755** 

**Suspension  
Arm Pivot  
Ball,  
Upper**

**4754** 

**Suspension  
Arm Pivot  
Ball Bushing**



**Racer's Tip:**  
Use CA Glue for  
permanent mounting!

**25211** 

**3x10mm  
BHCS**

**31381** 

**Aluminum  
Ballstud  
Washer,  
5.5x0.5mm**

**4754** 

**Suspension  
Arm Pivot  
Ball Bushing  
O-Ring**

**8695**

**Suspension  
Arm, Upper**

**!**  
**Build left and  
right sides**

## :: Front Suspension Build - Bag 2.1, 2.2 - Step 7

**25225**

**3x3mm  
Set Screw**

**31283**

**Ballstud  
5mm,  
Long**

**RC10F6  
Front Axle**

**Inline Steering  
Blocks**

**!**  
**Build left and  
right sides**

**Diff Fluid  
#5455 10k**

**6299** 

**E-Clip**

**3x31mm  
Kingpin**

**Springs,  
.016, Short**

**31382** 

**Aluminum  
Ballstud  
Washer,  
5.5x1mm**

## :: Front Suspension Build - Bag 3.1, 3.2 - Step 1

Place your thumb on top of the  
kingpin and finger on bottom of the  
steering block.  
Hold the steering block against the  
upper arm.  
Then tighten set screw.

**!**  
**Set gap by tightening  
#25225 set screw on  
#8663 kingpin**

**31283** 

**Ballstud  
5mm, Long  
(Silver)**

**31383** 

**Aluminum  
Ballstud  
Washer,  
5.5x2mm**

**Ballstud  
5mm, Short  
(Black)**

**31531**

**3x6mm  
BHCS**

**8680** 

**Bearing  
5x8x2.5mm**

**RC10F6  
Steering  
Bellcrank,  
Short**

**Steering  
Bellcrank  
Post**



## :: Front Suspension Build - Bag 3.1, 3.2 - Step 2

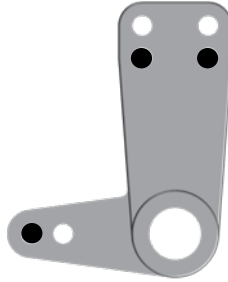
### #8670 Steering Bellcranks

**Steering  
Bellcrank, Short**  
Kit Setup

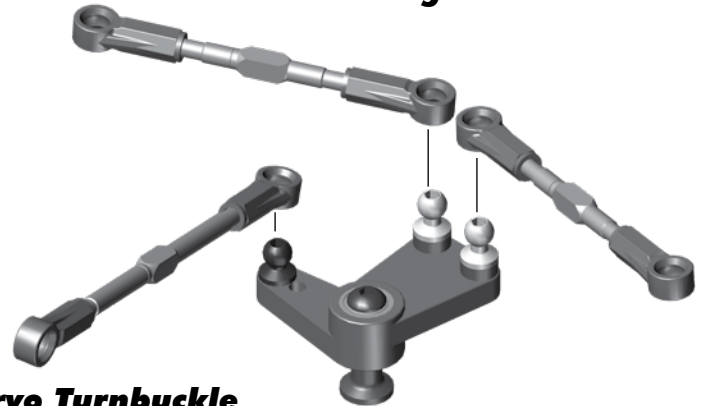


**Steering  
Bellcrank, Long**

Use for tuning adjustment  
of steering rate.  
Requires  
45mm Steering Turnbuckle  
(included)



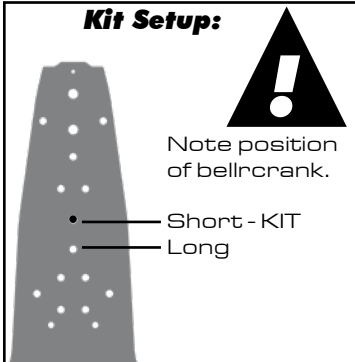
### Steering Turnbuckles



**Servo Turnbuckle**

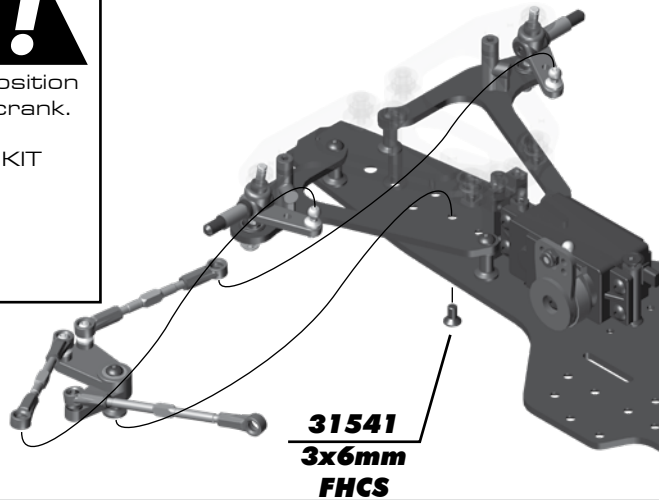
## :: Front Suspension Build - Bag 3.1, 3.2 - Step 3

### Kit Setup:

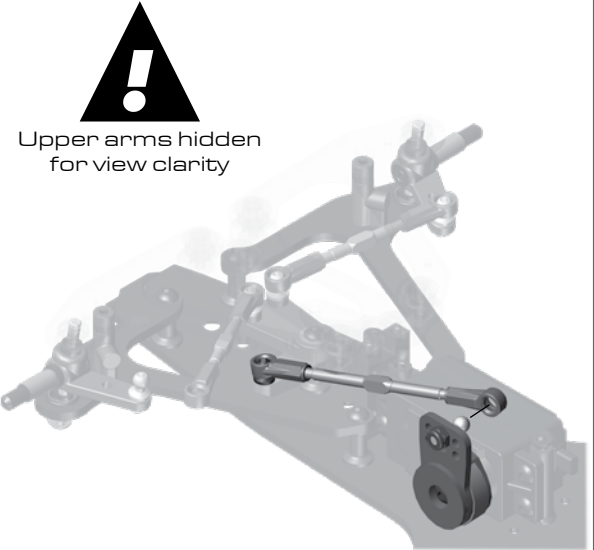


Note position  
of bellcrank.

• Short - KIT  
• Long



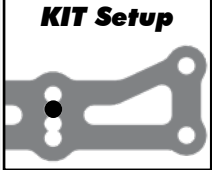
**31541**  
**3x6mm**  
**FHCS**



Upper arms hidden  
for view clarity

## :: Rear Suspension Build - Bag 3.1, 3.2 - Step 4

### KIT Setup



**Motor  
Mount Brace**

**Suspension  
Arm Standoff**

**4728**  
**Pivot Brace  
Slider**

**31531 x4**  
**3x6mm**  
**BHCS**

**Motor  
Mount**

**31531 x2**  
**3x6mm**  
**BHCS**

**Left Rear  
Bulkhead**

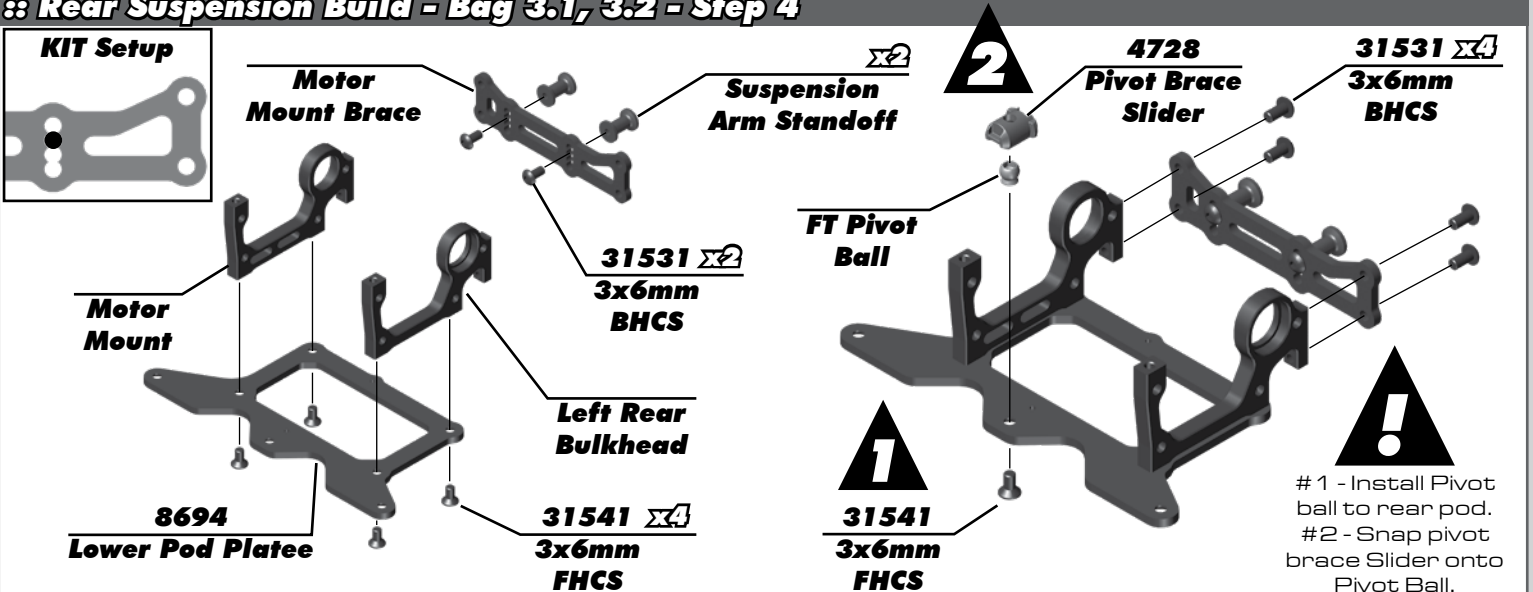
**8694**  
**Lower Pod Plate**

**31541 x4**  
**3x6mm**  
**FHCS**

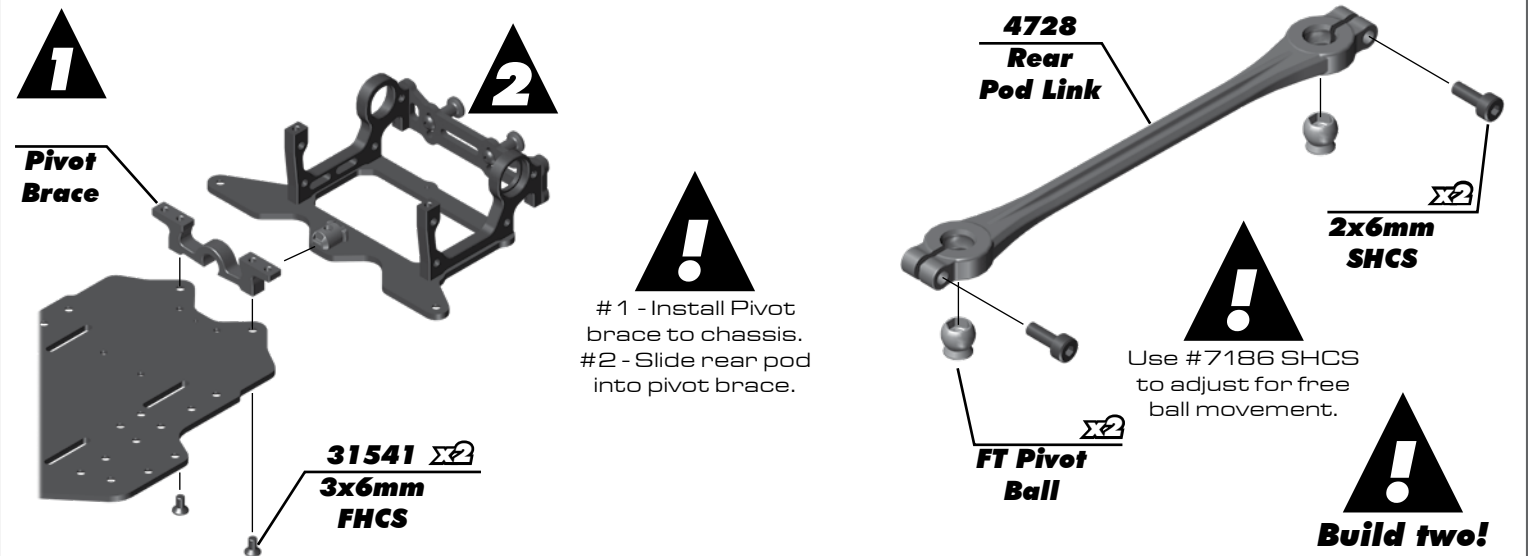
**FT Pivot  
Ball**

**31541**  
**3x6mm**  
**FHCS**

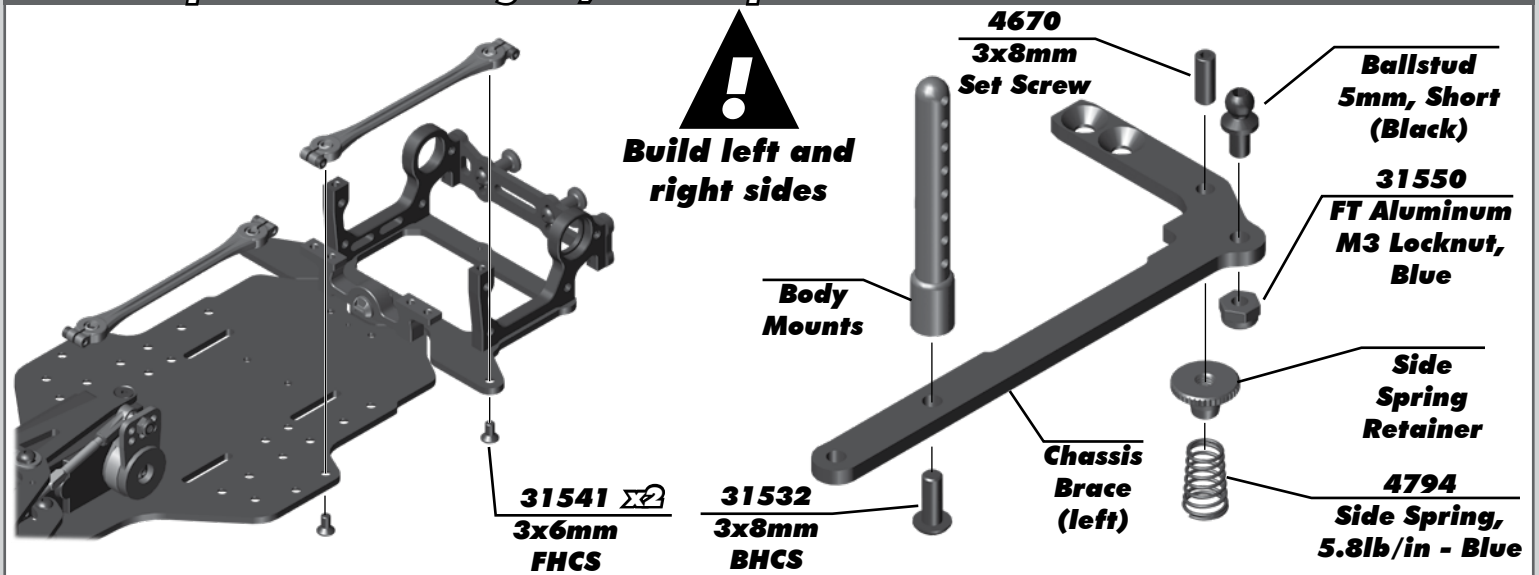
#1 - Install Pivot  
ball to rear pod.  
#2 - Snap pivot  
brace slider onto  
Pivot Ball.



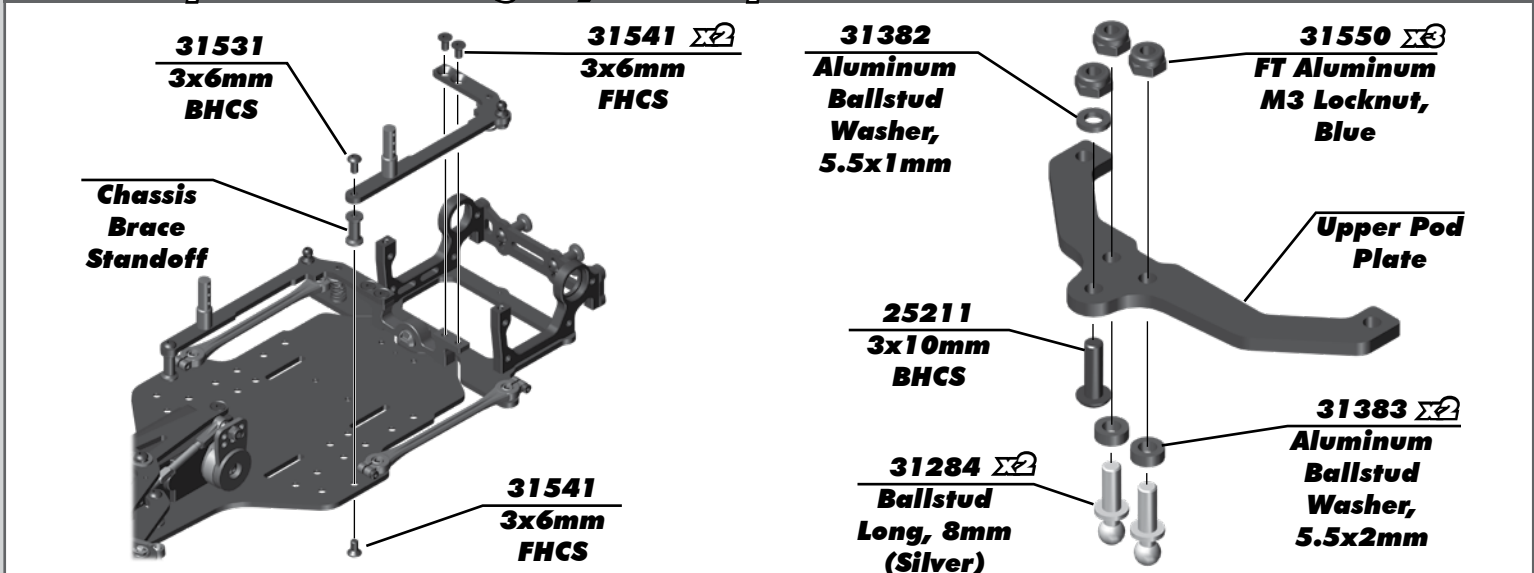
## :: Rear Suspension Build - Bag 3.1, 3.2 - Step 5



## :: Rear Suspension Build - Bag 3.1, 3.2 - Step 6

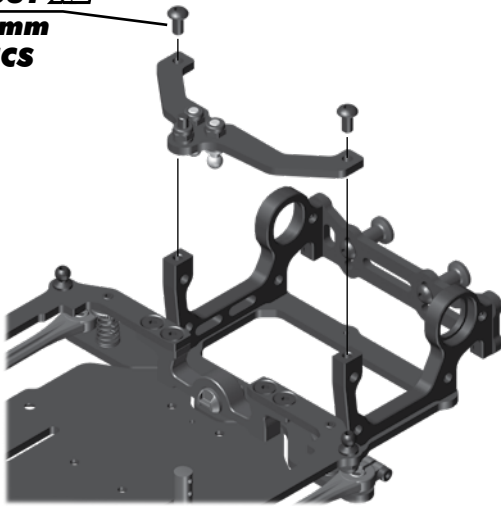


## :: Rear Suspension Build - Bag 3.1, 3.2 - Step 7



## :: Rear Suspension Build - Bag 3.1, 3.2 - Step 8

**31531**  $\Sigma 2$   
**3x6mm**  
**BHCS**



**31531**  $\Sigma 2$   
**3x6mm**  
**BHCS**

**Shock Mount**  
**Standoff**

$\Sigma 2$

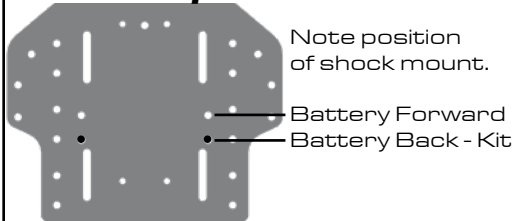
**25201**  
**3x8mm**  
**FHCS**

**31550**  
**FT Aluminum**  
**M3 Locknut,**  
**Blue**

**Shock**  
**Mount**

## :: Rear Suspension Build - Bag 3.1, 3.2 - Step 9

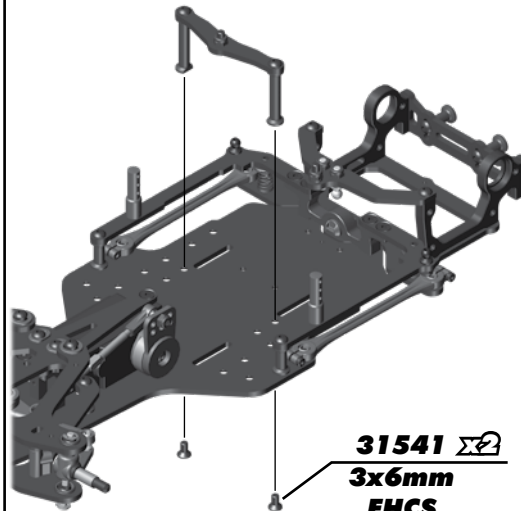
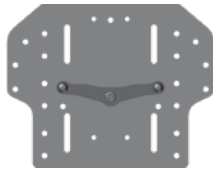
### Kit Setup:



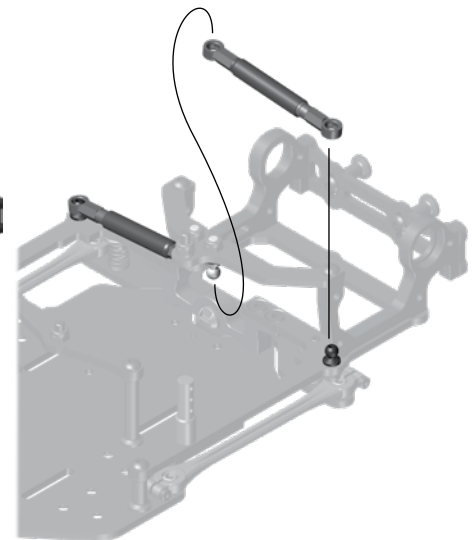
Note position  
of shock mount.

Battery Forward  
Battery Back - Kit

Refer to the image  
to the right for the  
battery forward  
configuration of the  
Shock Mount  
assembly.  
Note the orientation  
of the Shock Mount  
assembly!

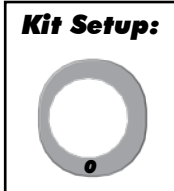


**31541**  $\Sigma 2$   
**3x6mm**  
**FHCS**



## :: Rear Axle Build - Bag 4.1, 4.2 - Step 1

### Kit Setup:

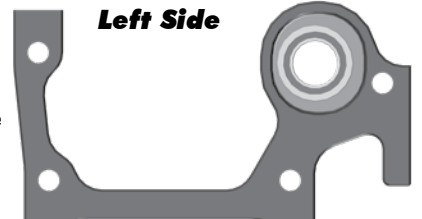


**Rear Axle**  
**Height Adjuster**  
**(0)**

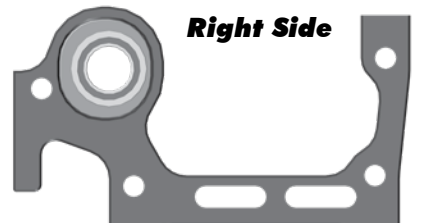
$\Sigma 2$

**!**  
Note the rear axle  
height adjusters  
orientation!

**Left Side**

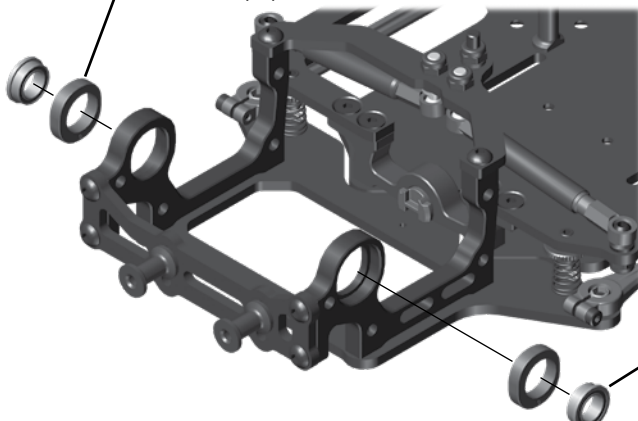


**Right Side**

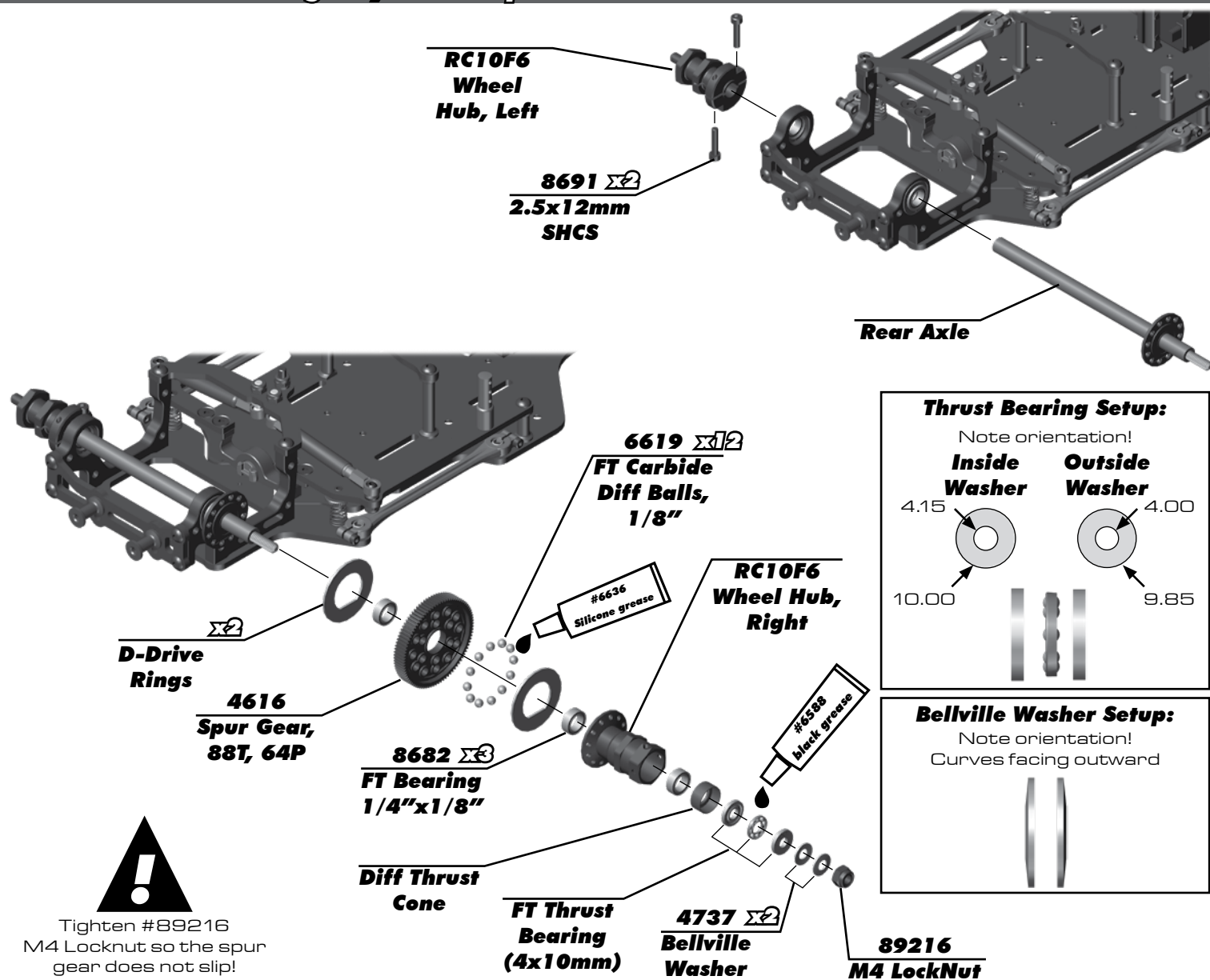


**Flanged**  
**Bearing,**  
**1/4x3/8**

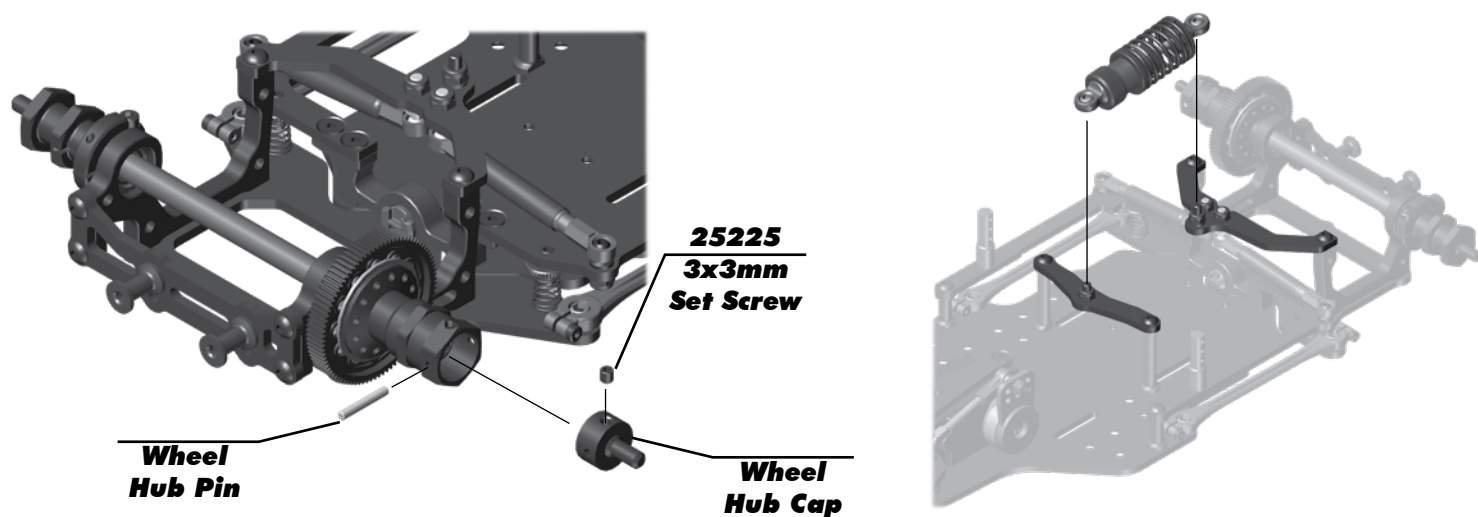
$\Sigma 2$



## :: Rear Axle Build - Bag 4.1, 4.2 - Step 2

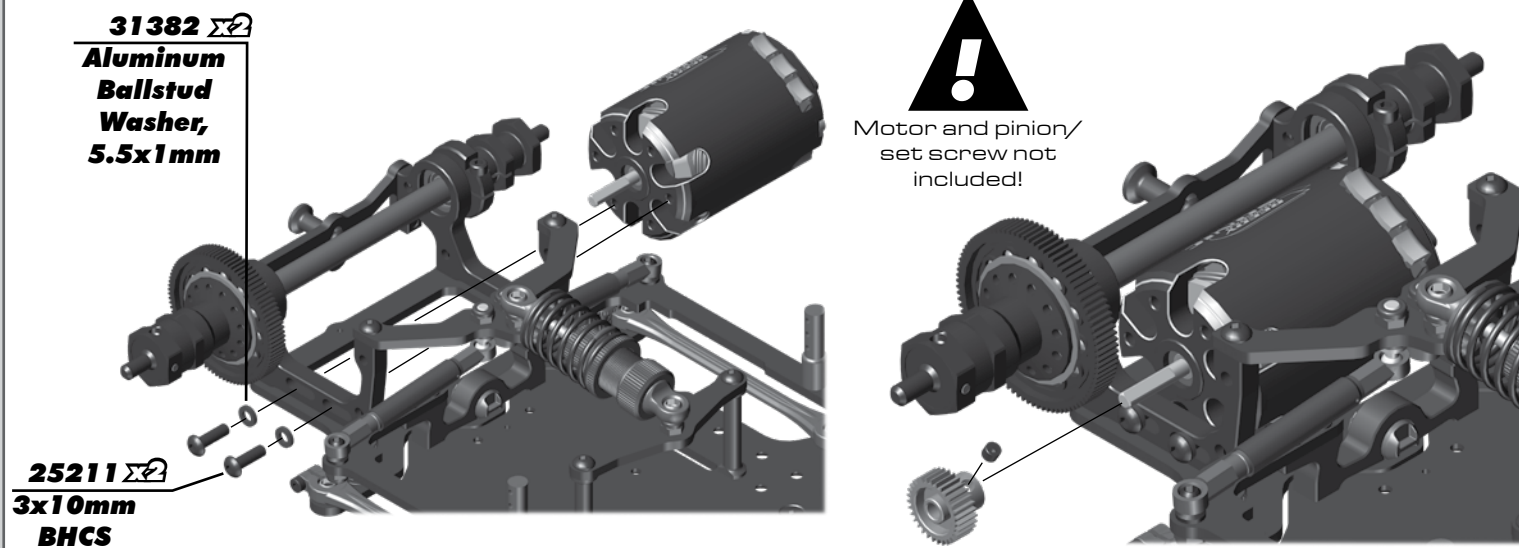


## :: Rear Axle Build - Bag 4.1, 4.2 - Step 3

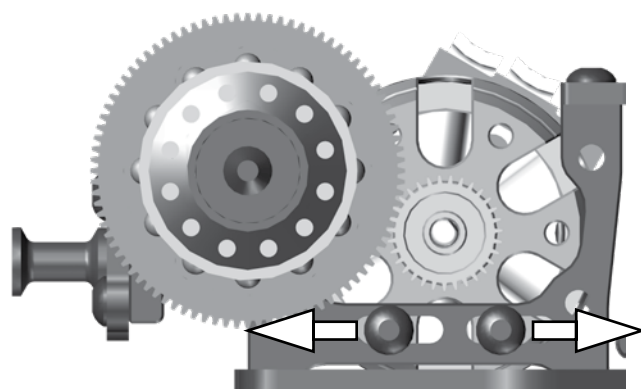




## :: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 1



## :: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 2



### Set The Gear Mesh:

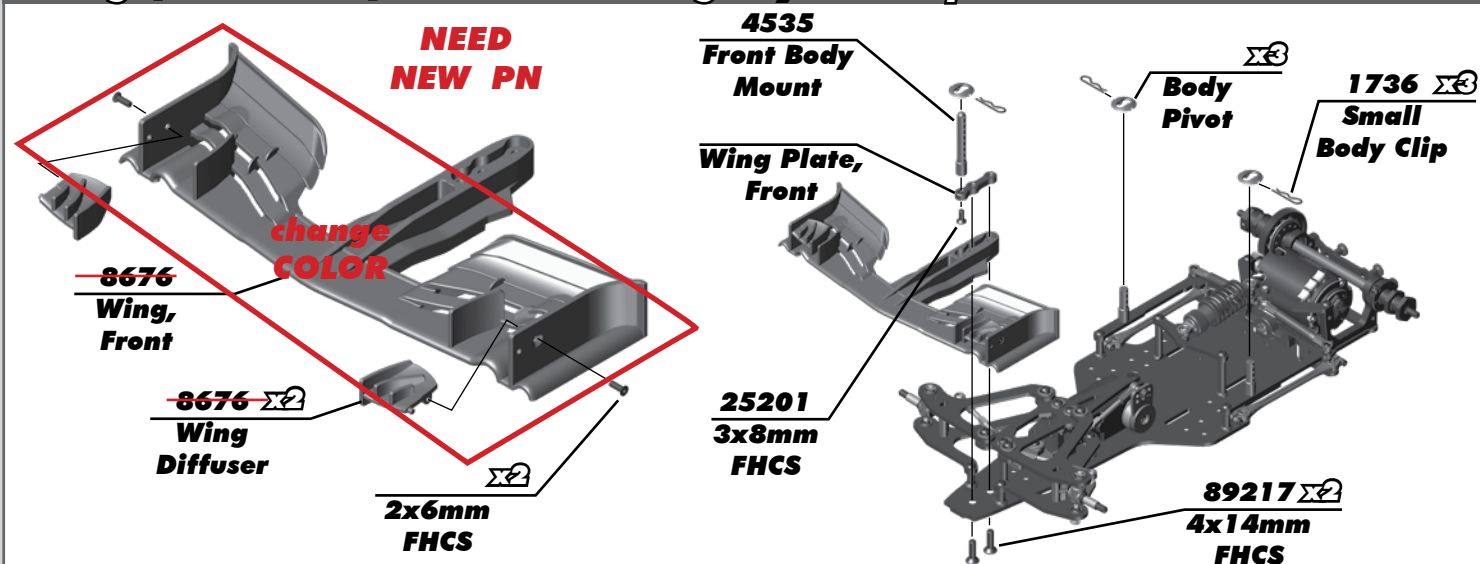
You should be able to rock the spur gear back and forth, without making the teeth of the pinion move. If the spur gear mesh is tight, then loosen the #25211 screws and move the motor away, then try again.

A gear mesh that is too tight or too loose will reduce power and damage the gear teeth.



**Gearing will depend on the motor and track size. Motor, pinion gear, and set screw are not included!**

## :: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 3





**:: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 4**

**2x6mm FHCS** x10

**NEED NEW PN**

**Kit Setup:**

**31531 3x6mm BHCS** x2

**8678 x2 Wing Side Panel**

**8678 Wing Panel, Rear Upper**

**change COLOR**

**8678 Wing Panel, Rear Lower**

**8678 Wing Mount, Rear Lower**

**:: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 5**

**6338 Antenna and Cap**

**Antenna Mount**

**Battery Retainer**

**4675 2.5x6mm FHCS** x2

**31541 3x6mm FHCS**

**Kit Setup:**

Note position of the battery retainer position!

Inline Battery Forward

Inline Battery Back

Kit Battery Back

Inline Battery Forward

Inline Battery Back

**:: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 6**

**!**

Electronics not included!

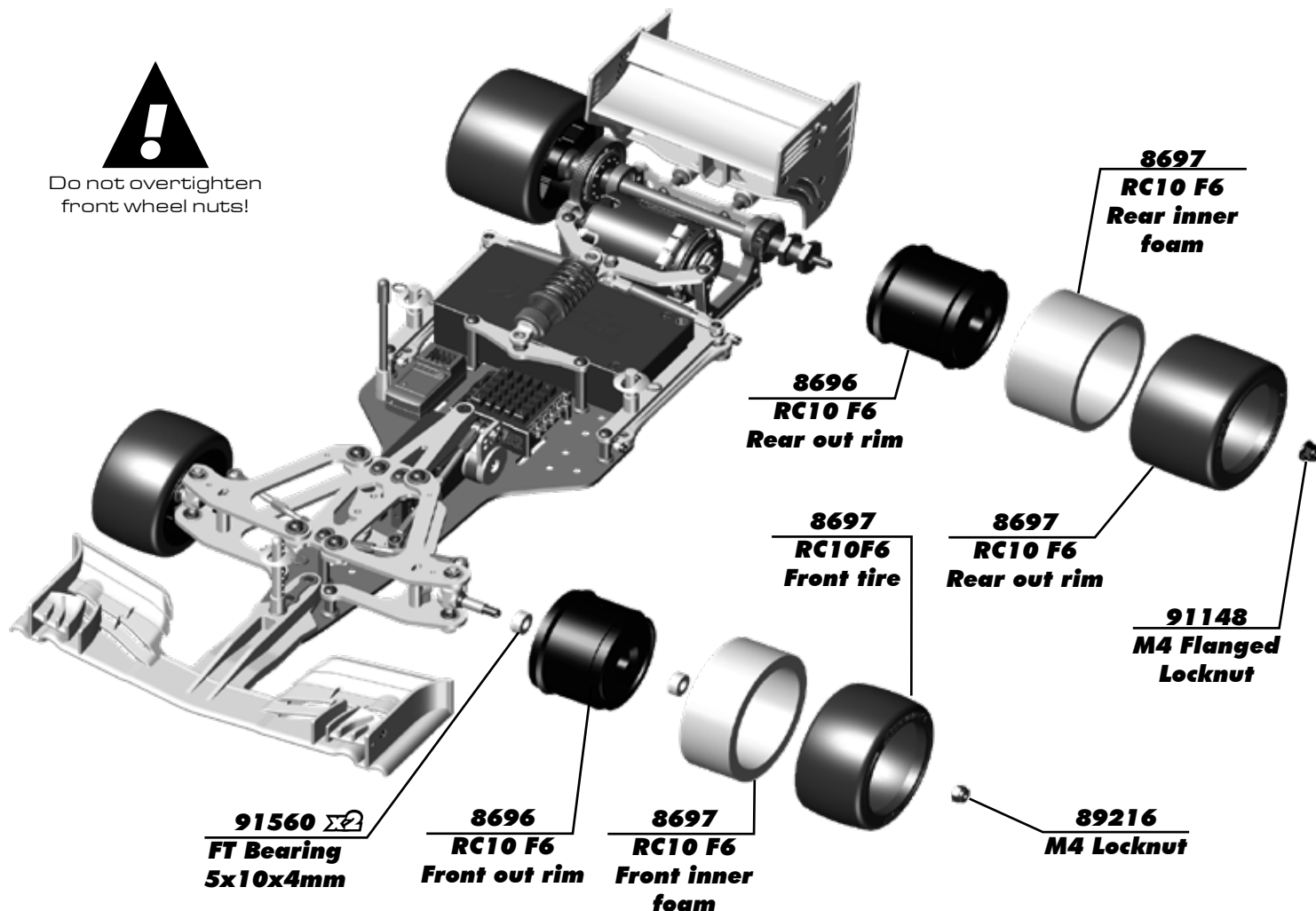
**!**

Use strapping tape to secure battery to chassis! Not included!

## :: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 7



Do not overtighten  
front wheel nuts!



## :: Wings / Electronics / Wheels Build - Bag 5.1, 5.2 - Step 8



### **Painting Tips:**

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.

RC cars get painted from 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) the paint to the inside of the body (preferably dark colors first, lighter colors last).

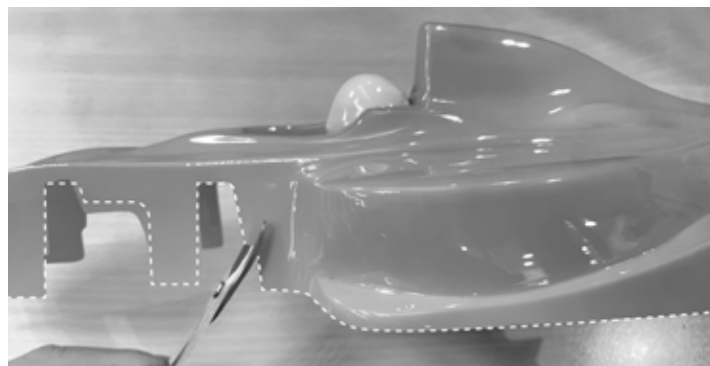
**NOTE:** use ONLY paint that is recommended for use with (polycarbonate) plastics. If you don't, you can destroy the plastic body!!!!).

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!

# :: Body - Step 1



Please trim the F6 body according to the picture below



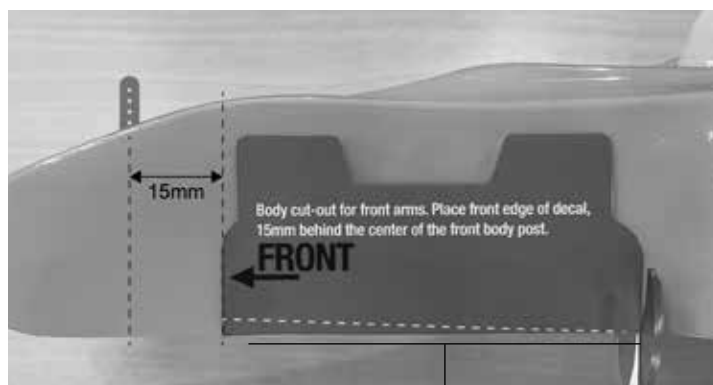
**8698**  
**RC10 F6**  
**body, clear**



**Trim the deep gray portion**

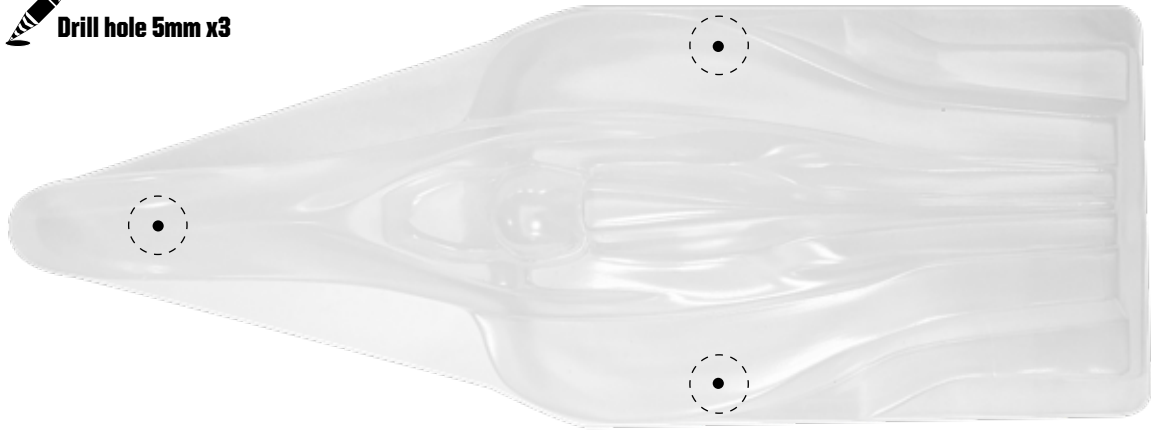


If you are using a different F1 body, please apply the 'Trim Label' before trimming the body. This will ensure proper installation on the chassis.



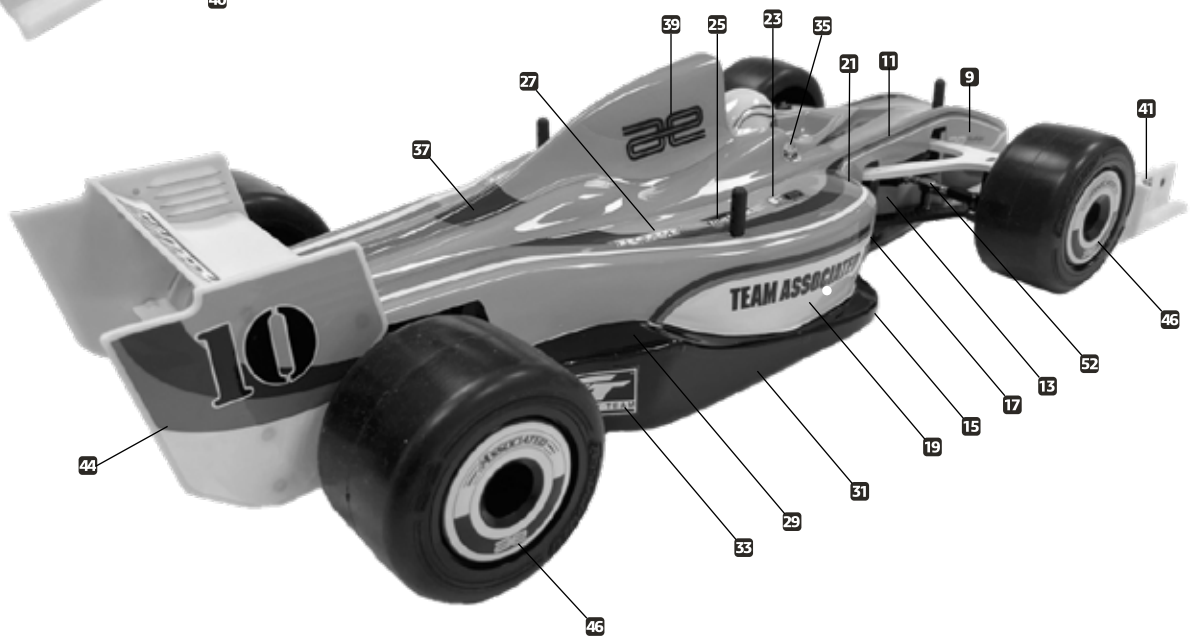
**:: Body - Step 2**

Drill hole 5mm x3



**NOTE:** Wash the body and dry it







**:: NOTE**

## Track Info:

**Size:** Small ☐ Medium ☐  
 Large ☐ X-Large ☐  
**Surface:** Carpet ☐ Asphalt ☐  
 Indoor ☐ Outdoor ☐  
**Traction:** Low ☐ Medium ☐  
 High ☐ Wet ☐  
**Condition:** Bumpy ☐ Smooth ☐  
**Temperature:** Ambient ☐ Track ☐  
**Notes:** \_\_\_\_\_

## Vehicle Info:

**Body:** \_\_\_\_\_  
**Weight:** \_\_\_\_\_  
**Notes:** \_\_\_\_\_

## Shock:

**Piston:** 3x1.1  
**Fluid:** 30wt  
**Spring:** Black  
**Rebound:** 25%  
**Pre Load:** 7.3mm  
**Free Length:** 64.8mm  
**Notes:** \_\_\_\_\_

## Electronics:

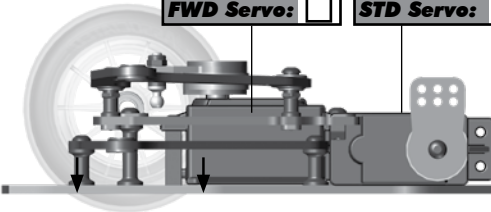
**Radio:** \_\_\_\_\_  
**Servo:** \_\_\_\_\_  
**EPA:** Throttle: \_\_\_\_\_ % Brake: \_\_\_\_\_ %  
**ESC:** \_\_\_\_\_  
**ESC Settings:** \_\_\_\_\_  
**Motor:** \_\_\_\_\_  
**Timing:** \_\_\_\_\_  
**Pinion:** \_\_\_\_\_ **Spur:** \_\_\_\_\_  
**Battery:** \_\_\_\_\_  
**Notes:** \_\_\_\_\_

## Tires:

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

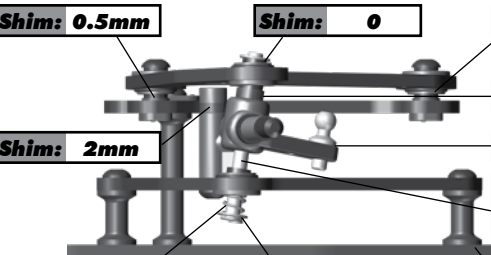
	Left	Right
<b>Front Tire Additive:</b>	<div></div>	<div></div>
<b>Additive Time:</b>	<div></div>	<div></div>
<b>Rear Tire Additive:</b>	<div></div>	<div></div>
<b>Additive Time:</b>	<div></div>	<div></div>

**FWD Servo:** ☐ **STD Servo:** ☒ **Fixed:** ☐  
**Floating:** ☐



**Droop:** \_\_\_\_\_ **Ride Height:** \_\_\_\_\_ **Ride Height:** \_\_\_\_\_ **Droop:** \_\_\_\_\_ **Ride Height:** \_\_\_\_\_

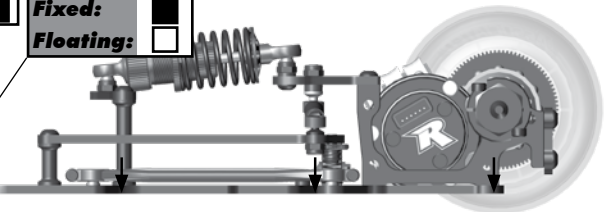
**Shim:** 0.5mm **Shim:** 0 **Shim:** 0.5mm



**Shim:** 2mm **Shim:** 2mm **Shim:** 0 **Kingpin Fluid:** 10k

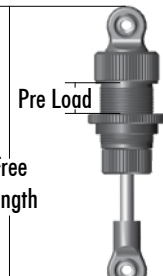
**Spring:** 0.016 **Shim:** 0 **Shim:** 0

**Camber:** 1.0° 1.5° 2.0° 2.5°  
**Plastic:** ☒ ☐ ☐ ☐  
**Aluminum:** ☐ ☐ ☒ ☐



**Caster:** 3° 6° 9° 12°  
**Plastic:** ☒ ☐ ☐ ☐  
**Aluminum:** ☐ ☐ ☐ ☒

**Damper Tube:** \_\_\_\_\_  
**Fluid:** 10k

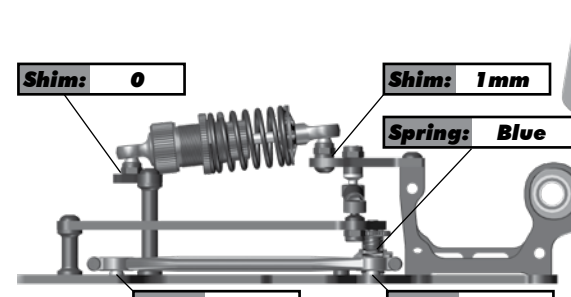


Pre Load  
Free Length

**Axle Height:**

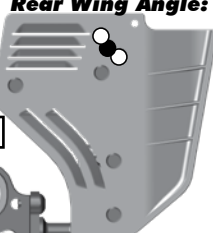
1.0	0.75	0.5	0.25	0	0.25	0.5	0.75	1.0	STD	+1mm
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Shim:** 0 **Shim:** 1mm **Spring:** Blue

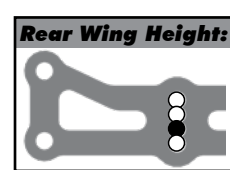


**Shim:** 0 **Shim:** 0 **Shim:** 0

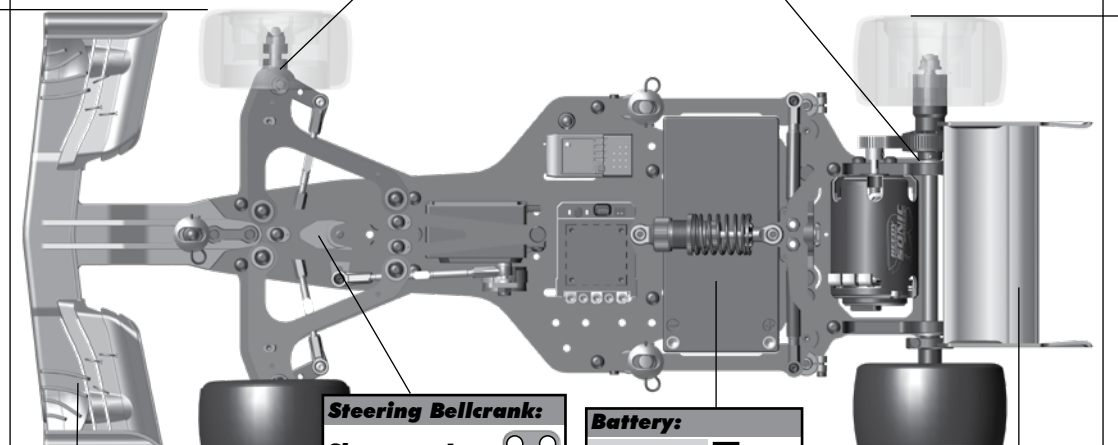
**Rear Wing Angle:**



**Rear Wing Height:**



**Width:** \_\_\_\_\_ **Axle Shim:** 0 **Axle Shim:** 0 **Width:** \_\_\_\_\_



**Front Wing:** Kit **Steering Bellcrank:** Short Long ☐ ☐

**Battery:** \_\_\_\_\_  
**Transvers:** ☒ ☐  
**Fwd:** ☐ **Back:** ☒  
**Inline:** ☐ ☐  
**Fwd:** ☐ **Back:** ☐

**Rear Wing:** Kit

## Track Info:

**Size:** Small ☐ Medium ☐  
 Large ☐ X-Large ☐  
**Surface:** Carpet ☐ Asphalt ☐  
 Indoor ☐ Outdoor ☐  
**Traction:** Low ☐ Medium ☐  
 High ☐ Wet ☐  
**Condition:** Bumpy ☐ Smooth ☐  
**Temperature:** Ambient ☐ Track ☐  
**Notes:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Vehicle Info:

**Body:** \_\_\_\_\_  
**Weight:** \_\_\_\_\_  
**Notes:** \_\_\_\_\_

## Shock:

**Piston:** \_\_\_\_\_  
**Fluid:** \_\_\_\_\_  
**Spring:** \_\_\_\_\_  
**Rebound:** \_\_\_\_\_  
**Pre Load:** \_\_\_\_\_  
**Free Length:** \_\_\_\_\_  
**Notes:** \_\_\_\_\_

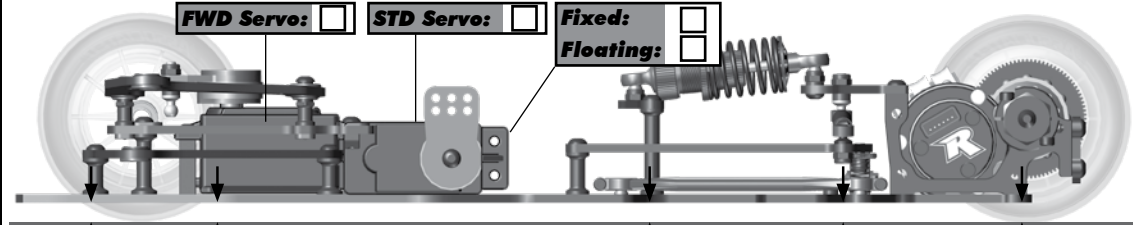
## Electronics:

**Radio:** \_\_\_\_\_  
**Servo:** \_\_\_\_\_  
**EPA:** Throttle: \_\_\_\_\_ % Brake: \_\_\_\_\_ %  
**ESC:** \_\_\_\_\_  
**ESC Settings:** \_\_\_\_\_  
**Motor:** \_\_\_\_\_  
**Timing:** \_\_\_\_\_  
**Pinion:** \_\_\_\_\_ **Spur:** \_\_\_\_\_  
**Battery:** \_\_\_\_\_  
**Notes:** \_\_\_\_\_

## Tires:

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

	Left	Right
<b>Front Tire Additive:</b>	<div></div>	<div></div>
<b>Additive Time:</b>	<div></div>	<div></div>
<b>Rear Tire Additive:</b>	<div></div>	<div></div>
<b>Additive Time:</b>	<div></div>	<div></div>



**Droop:** \_\_\_\_\_ **Ride Height:** \_\_\_\_\_ **Ride Height:** \_\_\_\_\_ **Droop:** \_\_\_\_\_ **Ride Height:** \_\_\_\_\_

**Shim:** \_\_\_\_\_ **Shim:** \_\_\_\_\_ **Shim:** \_\_\_\_\_ **Camber:** 1.0° 1.5° 2.0° 2.5°  
**Plastic:** ☐ **Aluminum:** ☐  
**Kingpin Fluid:** \_\_\_\_\_

**Spring:** \_\_\_\_\_ **Shim:** \_\_\_\_\_ **Shim:** \_\_\_\_\_ **Damper Tube:** \_\_\_\_\_  
**Fluid:** \_\_\_\_\_ **Caster:** 3° 6° 9° 12°  
**Plastic:** ☐ **Aluminum:** ☐  
**Axle Height:** 1.0 0.75 0.5 0.25 0 0.25 0.5 0.75 1.0 **STD** +1mm

**Shim:** \_\_\_\_\_ **Shim:** \_\_\_\_\_ **Spring:** \_\_\_\_\_ **Rear Wing Angle:** \_\_\_\_\_  
**Shim:** \_\_\_\_\_ **Shim:** \_\_\_\_\_ **Shim:** \_\_\_\_\_ **Rear Wing Height:** \_\_\_\_\_

**Width:** \_\_\_\_\_ **Axle Shim:** \_\_\_\_\_ **Axle Shim:** \_\_\_\_\_ **Width:** \_\_\_\_\_  
**Front Wing:** \_\_\_\_\_ **Steering Bellcrank:** Short Long ☐  
**Battery:** Transvers: ☐ Fwd ☐ Back ☐  
**Inline:** ☐ Fwd ☐ Back ☐ **Rear Wing:** \_\_\_\_\_

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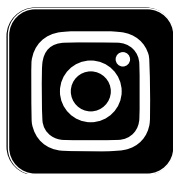
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