

## :: 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 RC10 Kinwald Edition Kit:

- Updated Worlds Stealth Transmission Case
- Updated Worlds Idler Gear and Idler Shaft
- Replica Kinwald Carbon Fiber Front Shock Tower
- Replica Kinwald Iridium Glitter Rear Shock Tower
- Carbon Fiber Transmission Brace
- Worlds Kinwald Battery Brace
- Exclusive Mirage SS Body
- Exclusive Custom Kinwald Black Chassis, Nose Plate and Motor Plate
- CVA Rear Driveshafts
- Full Ball Bearings included
- Hard Anodized Shock Bodies
- Worlds accurate Black and Green Shock Springs
- V2 Slipper System included
- Adjustable Turnbuckles
- Exclusive Blue Anodized CNC Wing Buttons
- 5.5in High Downforce Wing
- Independent Suspension with durable Long Front Arms and refined geometry
- World's Car Bellcrank Steering
- Official Kinwald Worlds Decal Sheet included
- Kinwald White Nylon Shock Nuts included

## :: Additional

Your new RC10 Kit comes as a kit. There are some items you will need to complete your kit (refer to website for suggestions):

- R/C two channel surface frequency radio system
- Electronic Speed Control (ESC)
- Steering Servo
- 2S, 7.4V Lipo stick battery or 7.2V NiMH battery
- Peak detection battery charger
- Retaining Ring Pliers
- Polycarbonate specific paint
- Pinion gear, size to be determined by type and wind of motor you use
- R/C Electric Motor
- Servo Horn (AE #89007)
- Thread Lock (AE #1596)

Tools included:

- Allen wrenches  
(.035", .050", 1/16", 3/32")
- Shock building tool

## :: Other Helpful Items

- Silicone Shock Fluid (Refer to website for complete listings)
- Tire Adhesive (AE #1597)
- Shock Pliers (AE #1681)
- Wire Cutters / Hobby Knife
- Body Scissors (AE #1737)
- Green Slime shock lube (AE #1105)
- Needle Nose Pliers
- Reamer / Hole Punch (AE #1499)
- Calipers or a Precision Ruler
- Soldering Iron

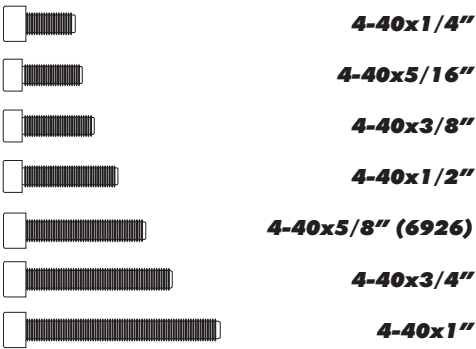
**Associated Electrics, Inc.**  
**21062 Bake Parkway**  
**Lake Forest, CA 92630**



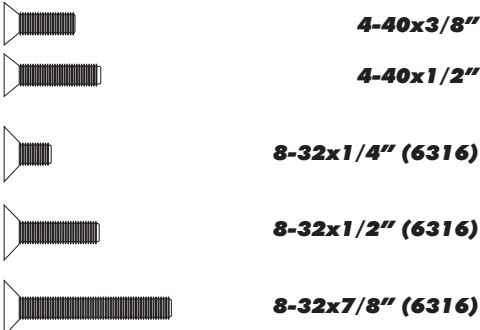
**Customer Service**  
**Tel: 949.544.7500**  
**Fax: 949.544.7501**

**:: Hardware - 1:1 Scale View**

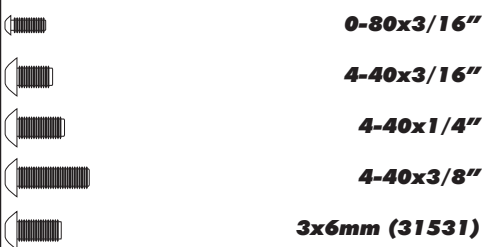
**Cap Head (shcs)**



**Flat Head (fhcs)**



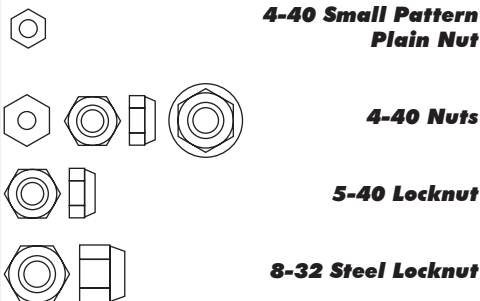
**Button Head (bhcs)**



**Shims and Washers**



**Nuts (lock/plain)**



**Set Screws**



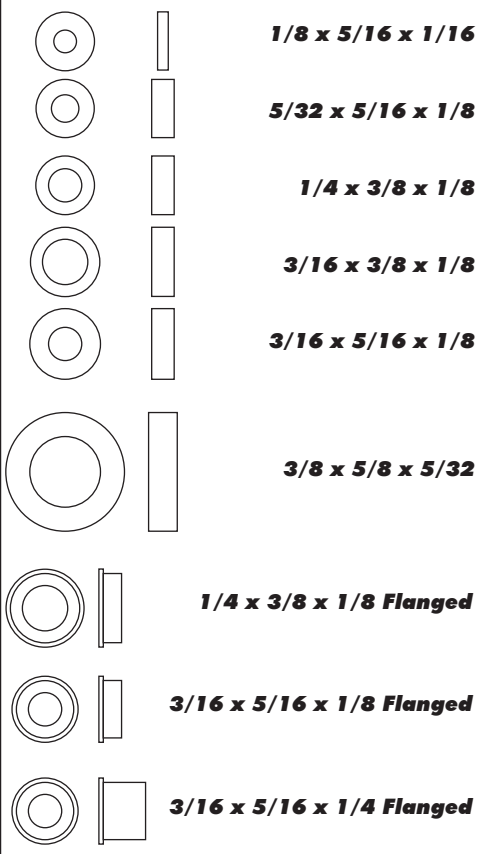
**Diff Balls**



**Clips**



**Bearings**



**Notes:**

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**:: Notes**



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

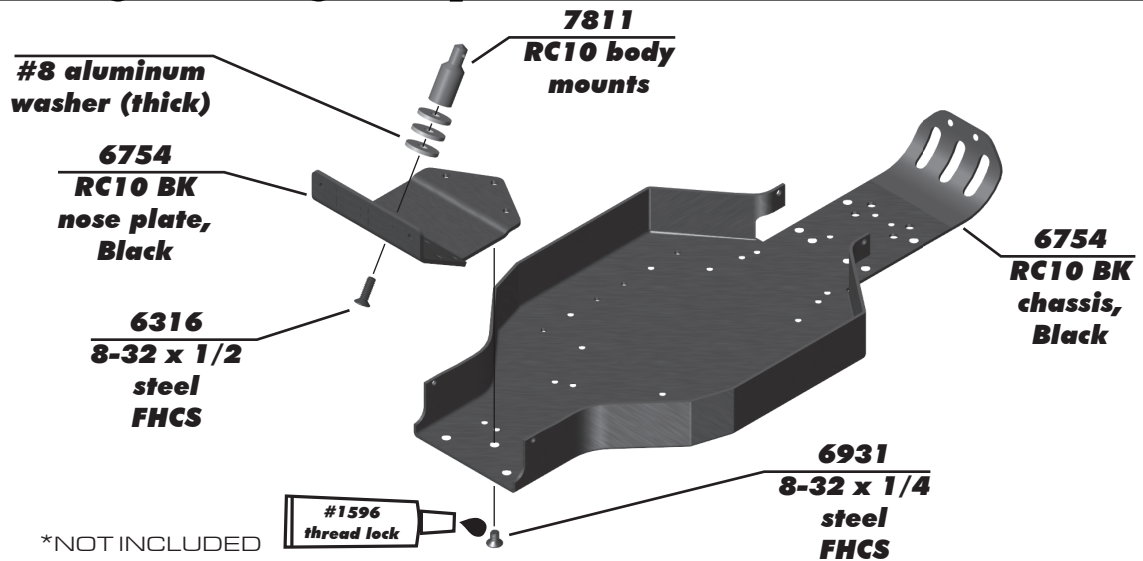


***There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size.***

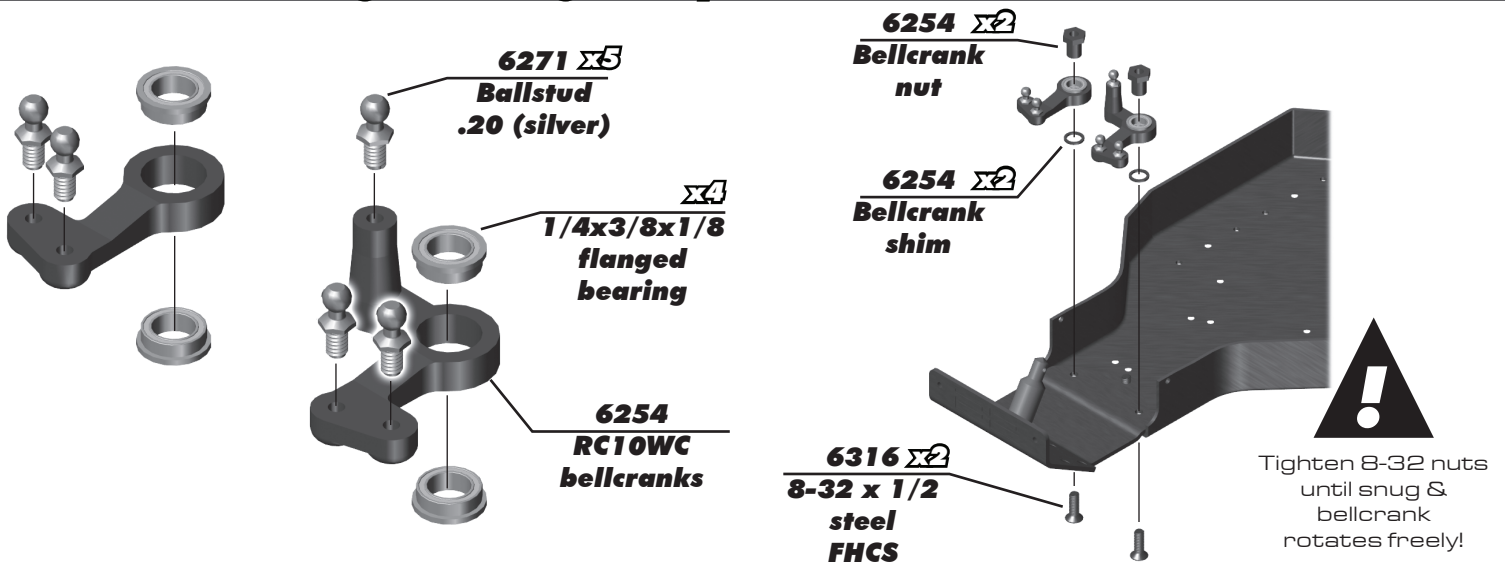
## :: Nose Plate / Steering Build - Bag A - Step 1



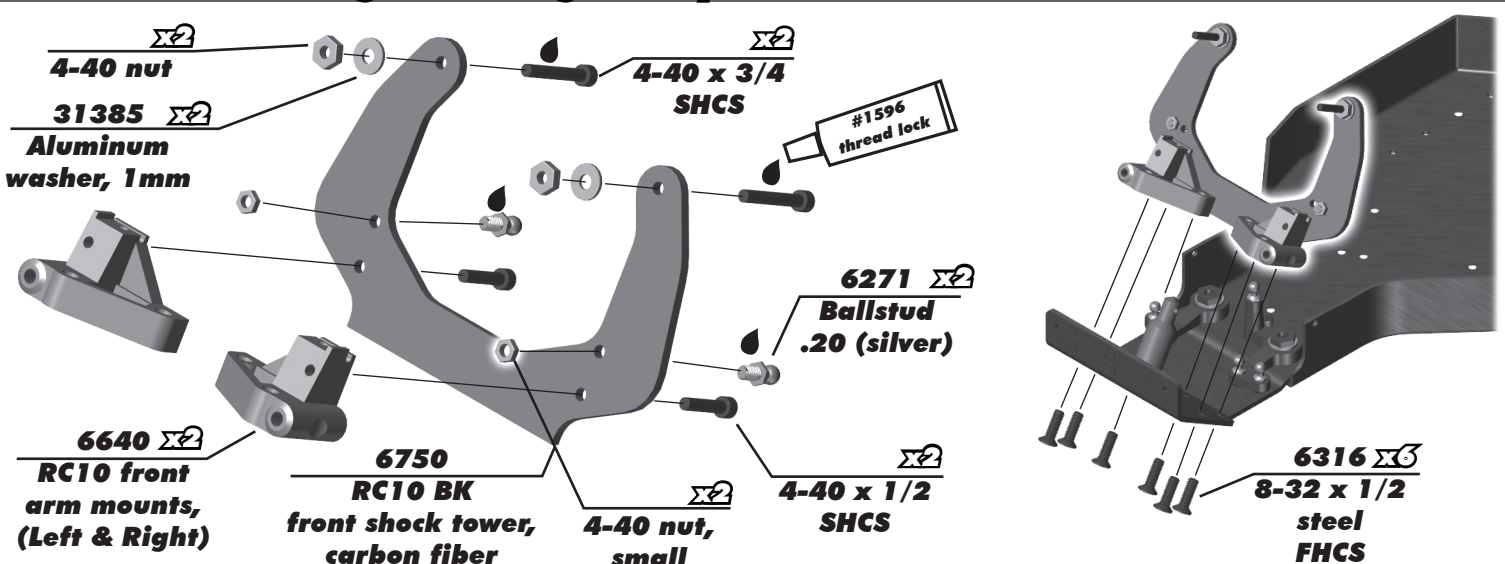
Washers are used to adjust to your preferred body height.



## :: Nose Plate / Steering Build - Bag A - Step 2



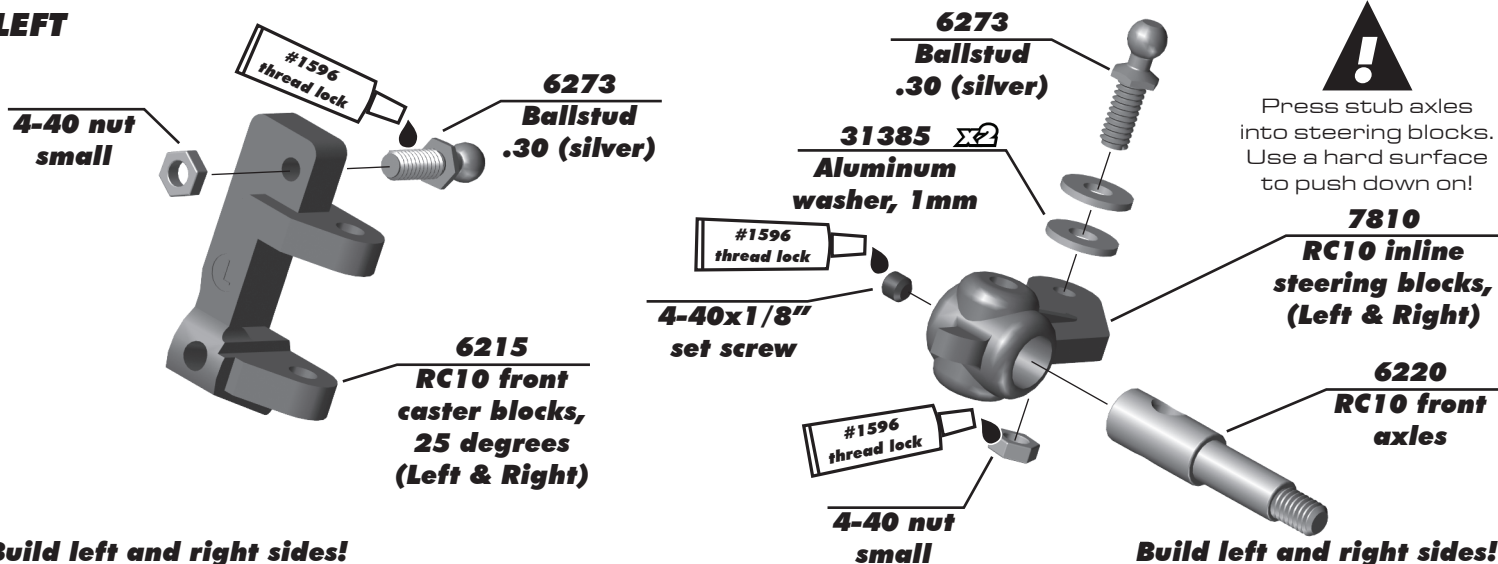
## :: Nose Plate / Steering Build - Bag A - Step 3



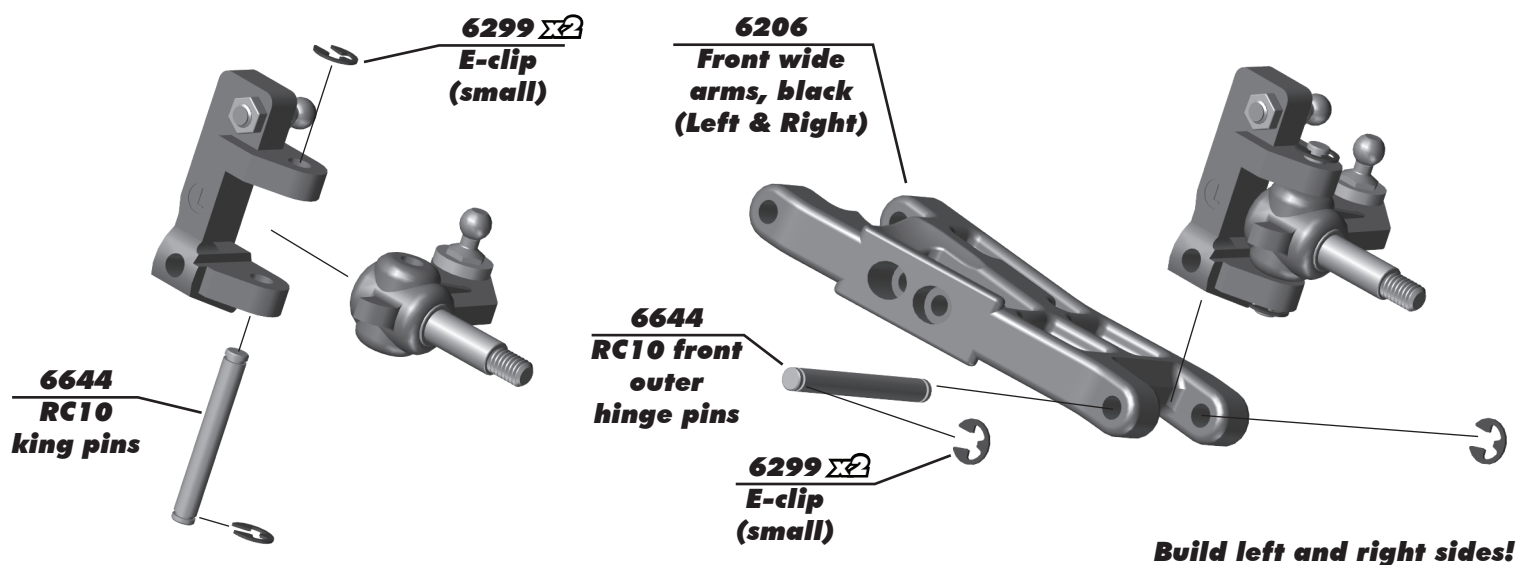


## :: Front Suspension Build - Bag B - Step 1

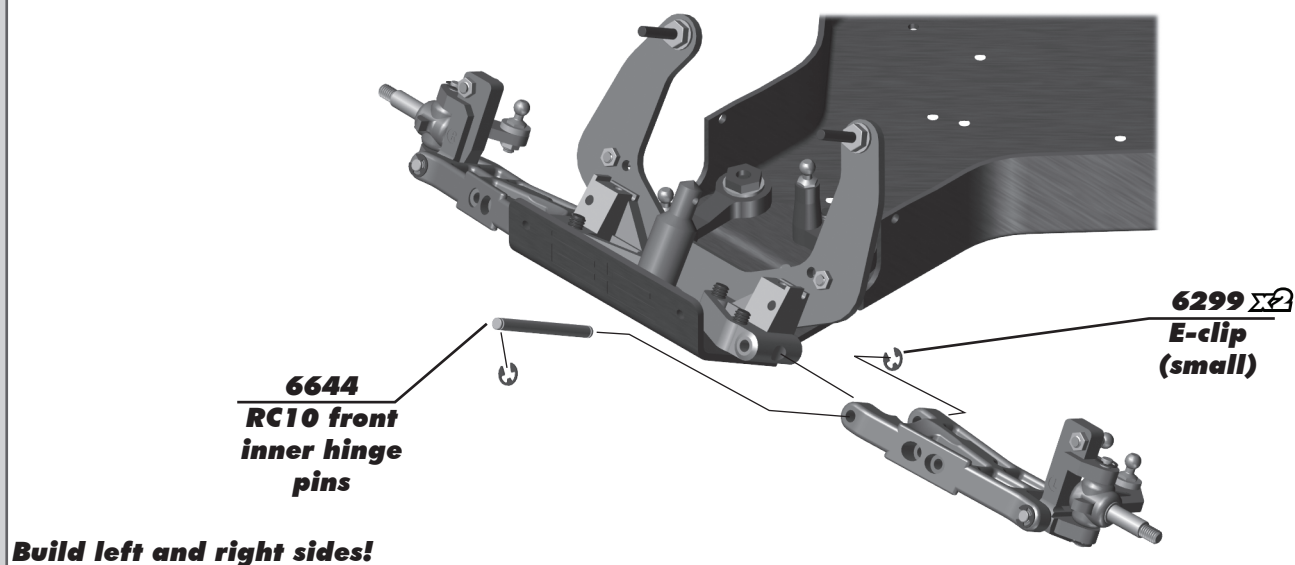
**LEFT**



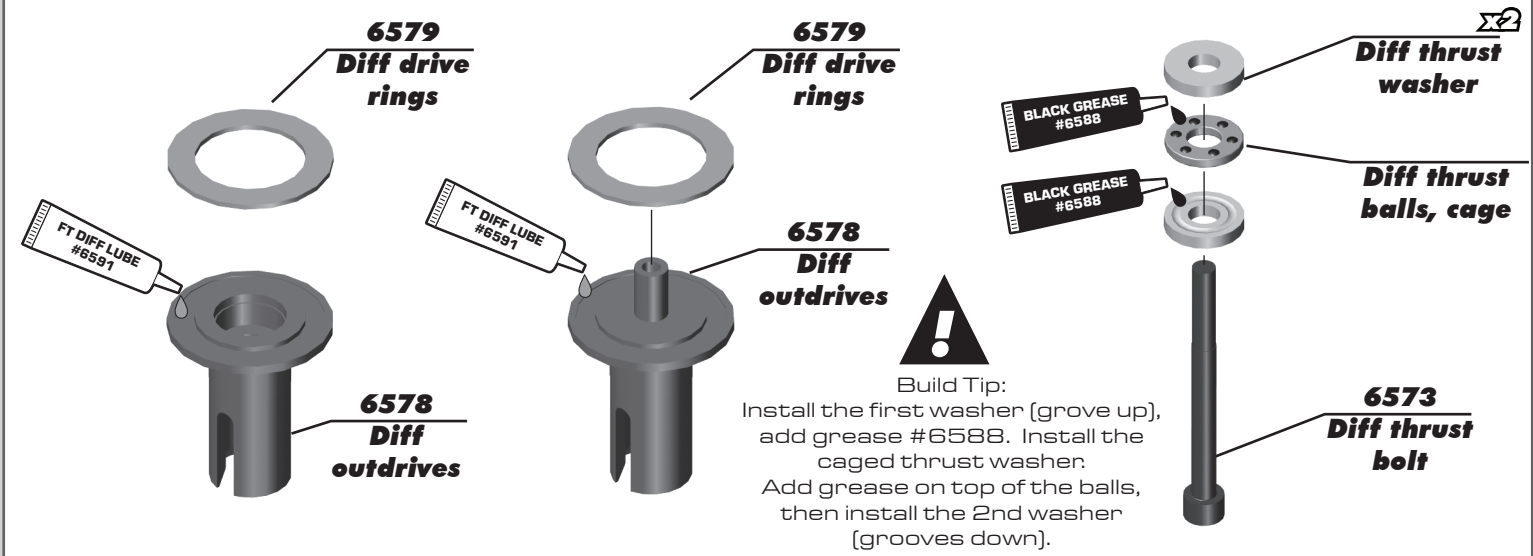
## :: Front Suspension Build - Bag B - Step 2



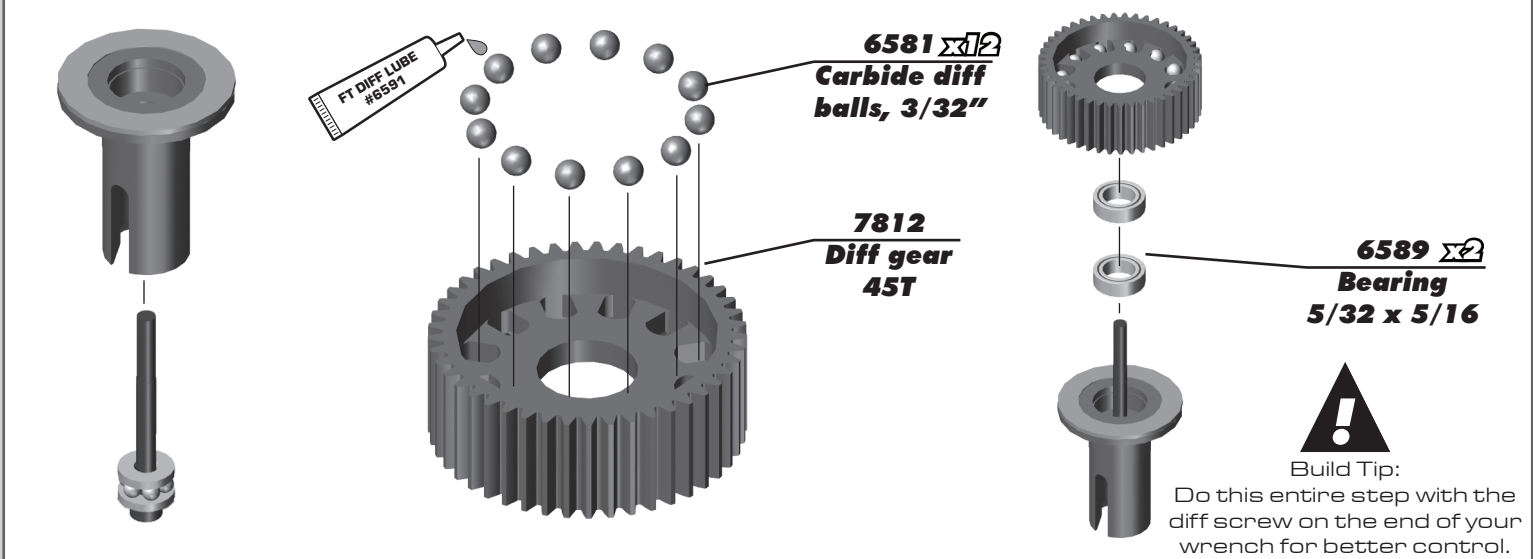
## :: Front Suspension Build - Bag B - Step 3



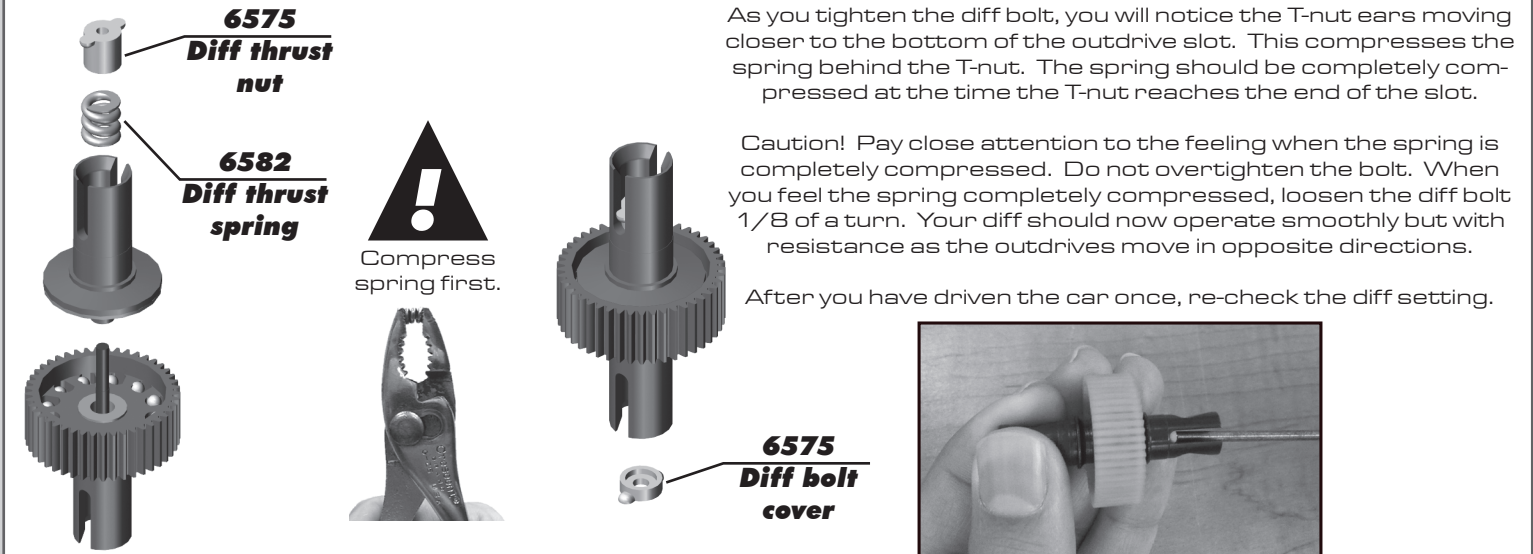
## :: Transmission Build - Bag C - Step 1



## :: Transmission Build - Bag C - Step 2



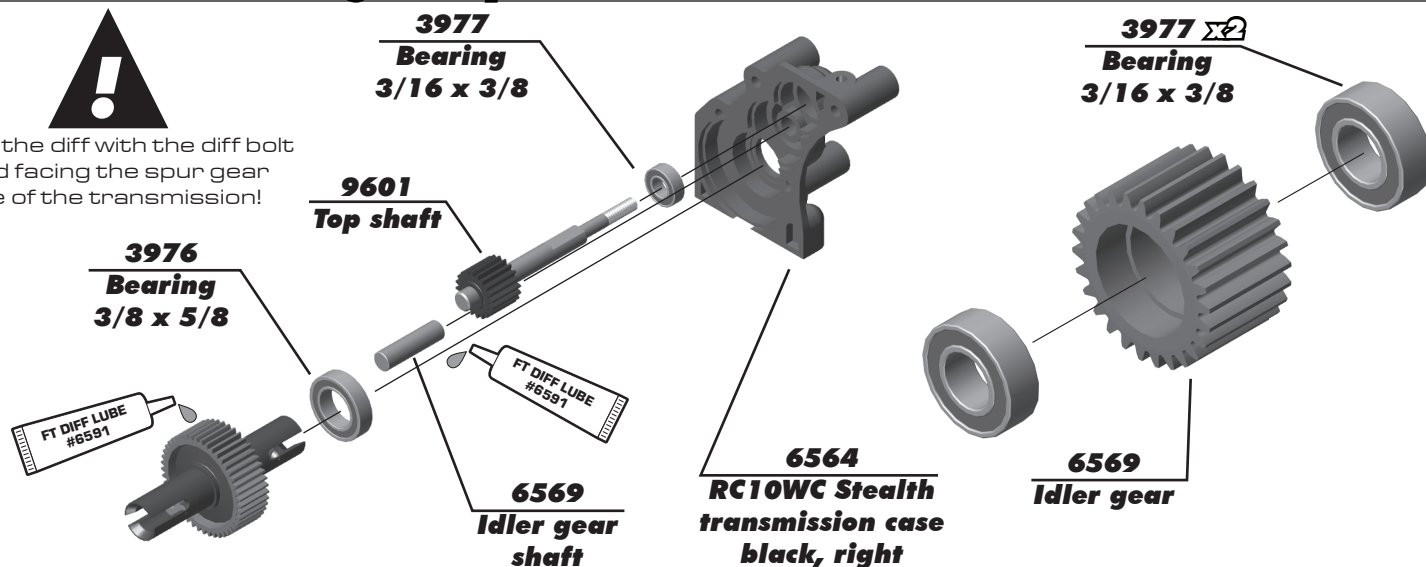
## :: Transmission Build - Bag C - Step 3



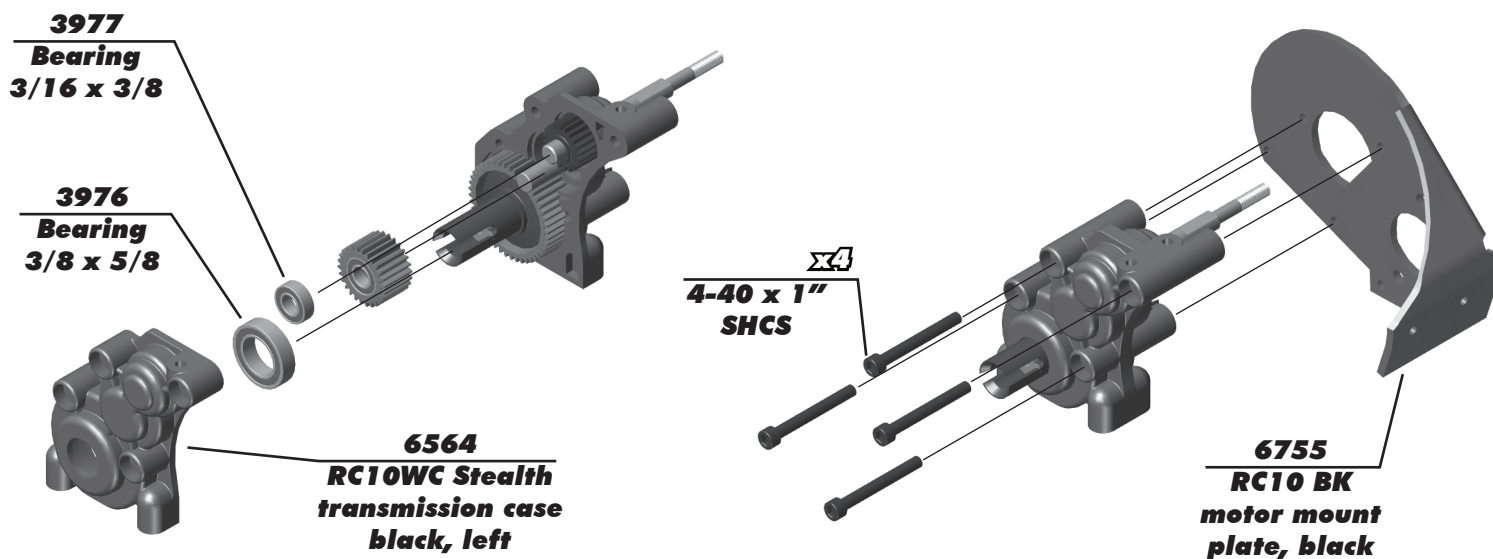
## :: Transmission Build - Bag C - Step 4



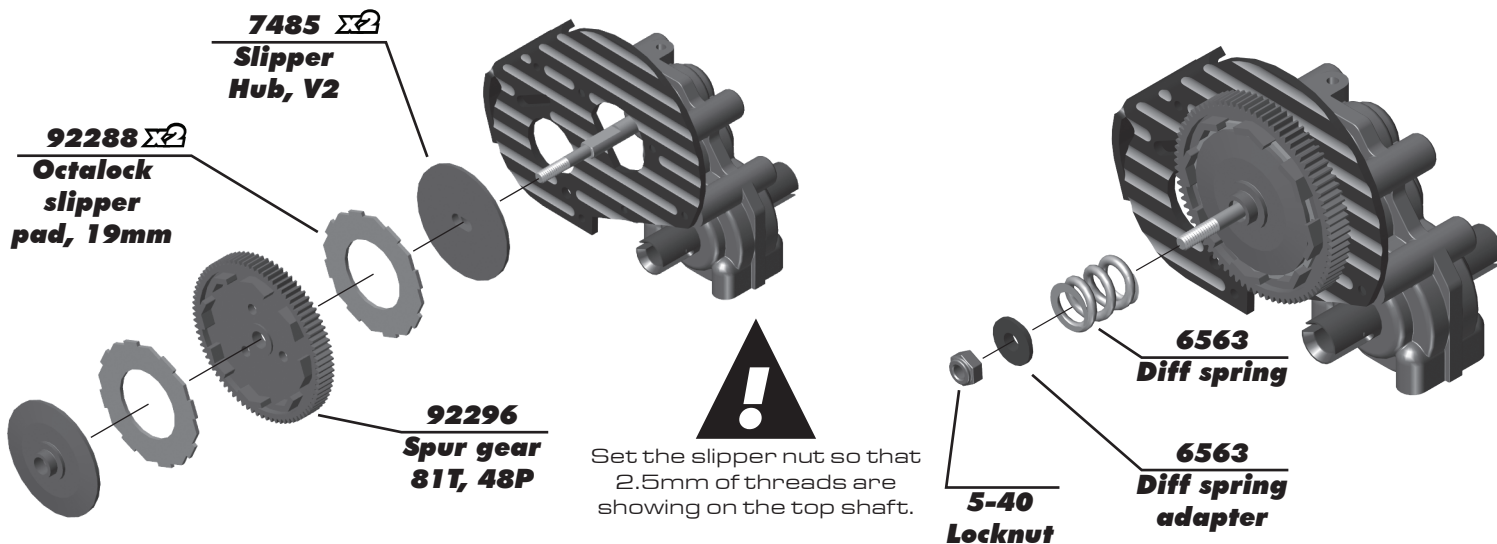
Install the diff with the diff bolt head facing the spur gear side of the transmission!



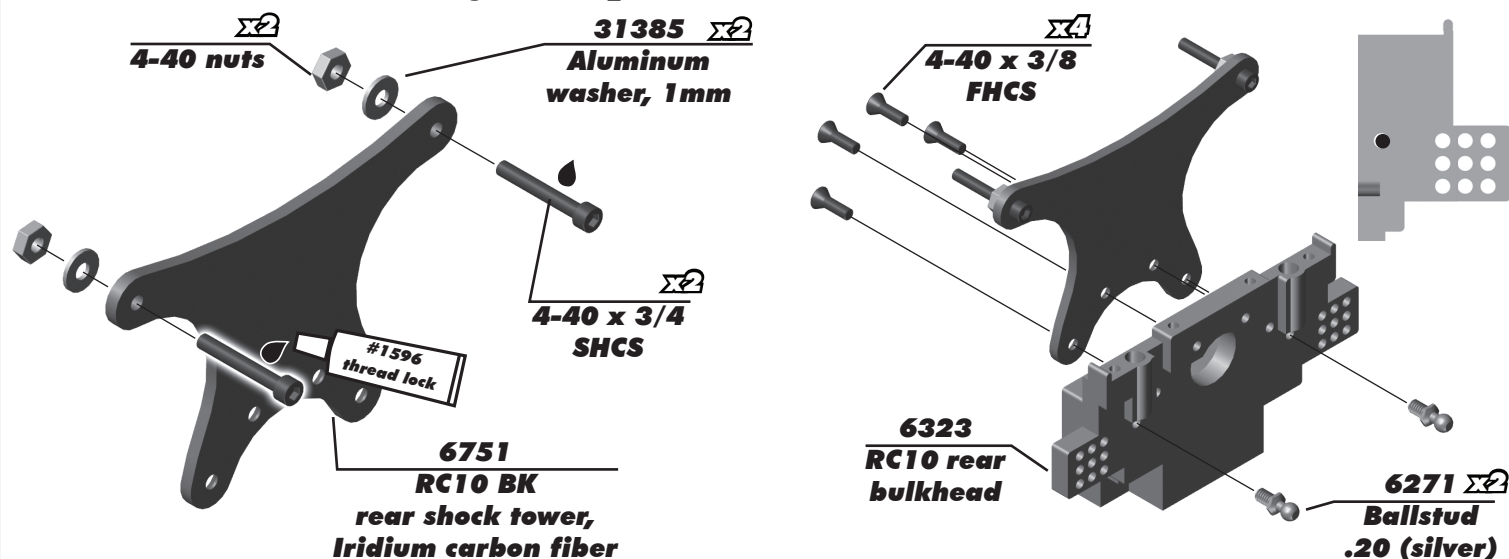
## :: Transmission Build - Bag C - Step 5



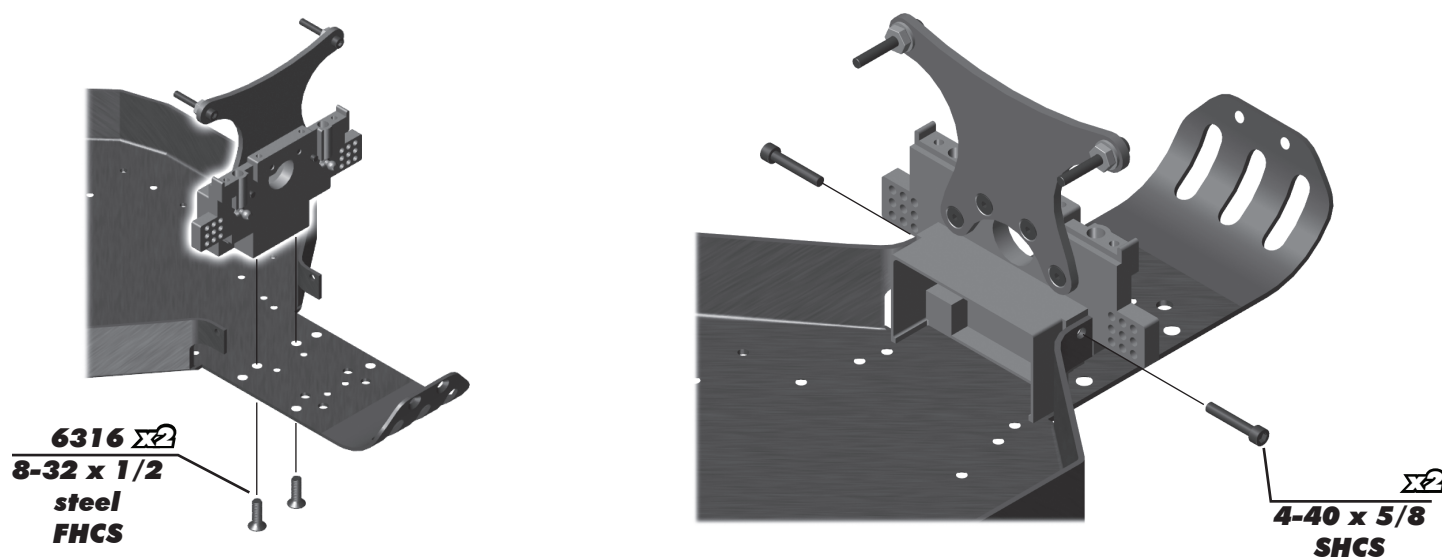
## :: Transmission Build - Bag C - Step 6



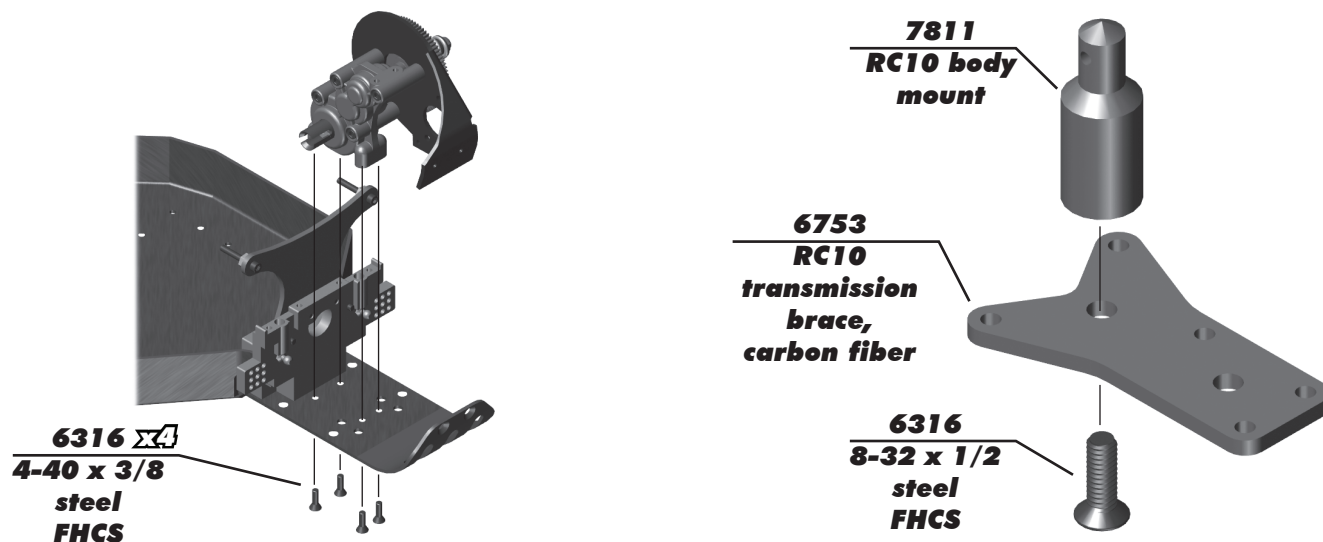
## :: Rear Bulkhead Build - Bag D - Step 1



## :: Rear Bulkhead Build - Bag D - Step 2

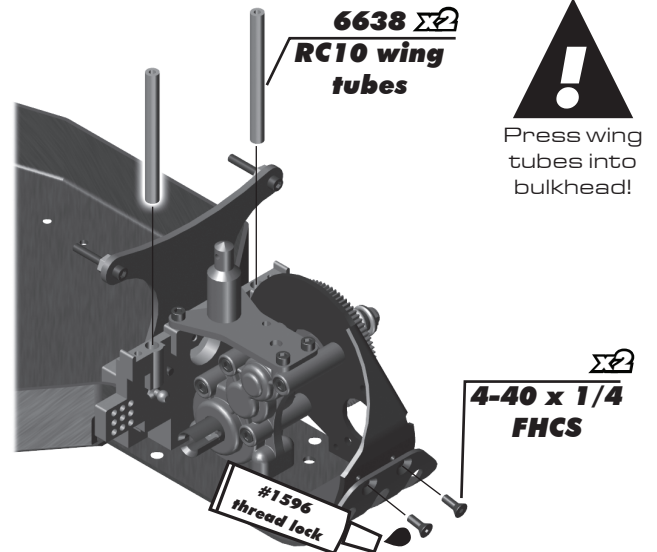
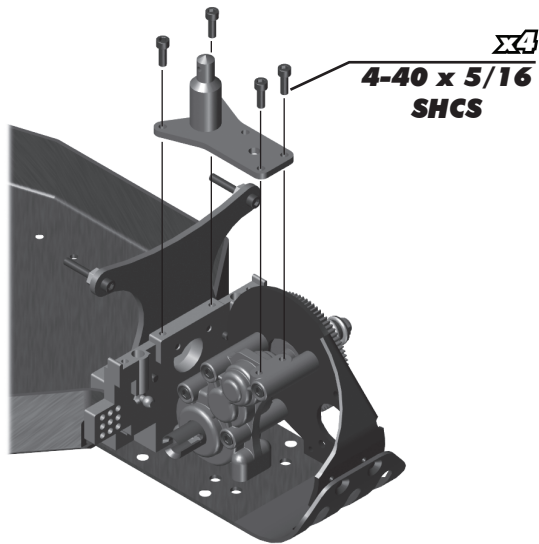


## :: Rear Bulkhead Build - Bag D - Step 3

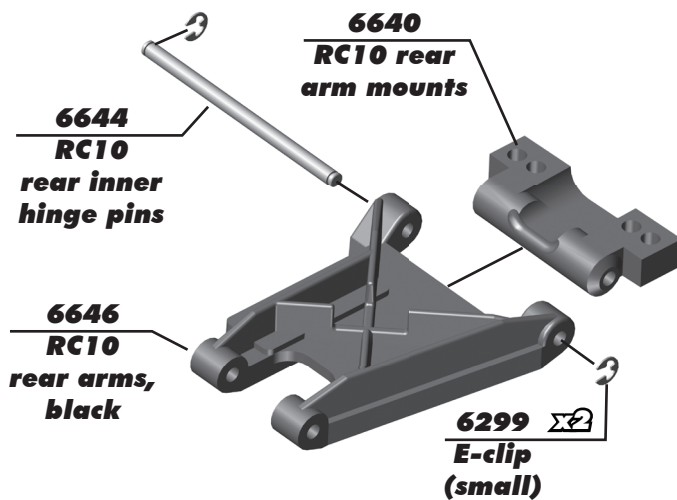




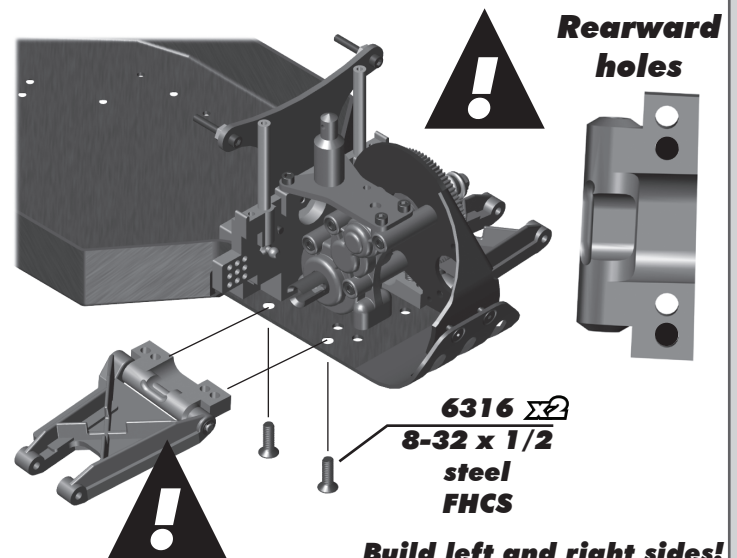
## :: Rear Bulkhead Build - Bag D - Step 4



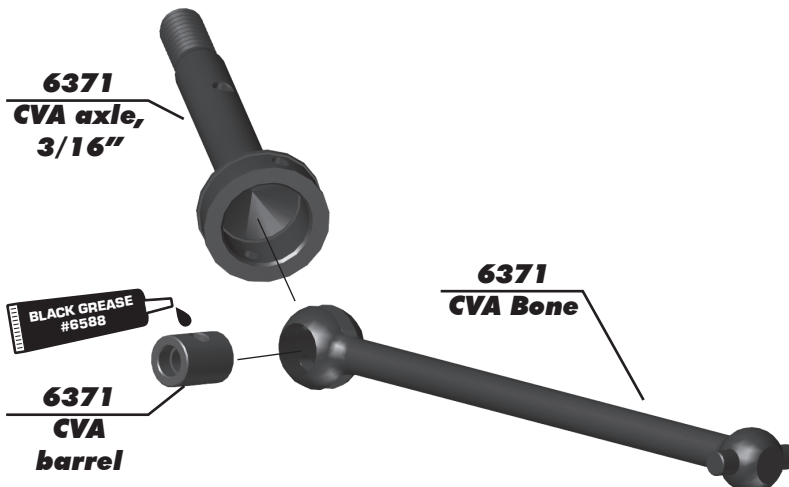
## :: Rear Suspension Build - Bag E - Step 1



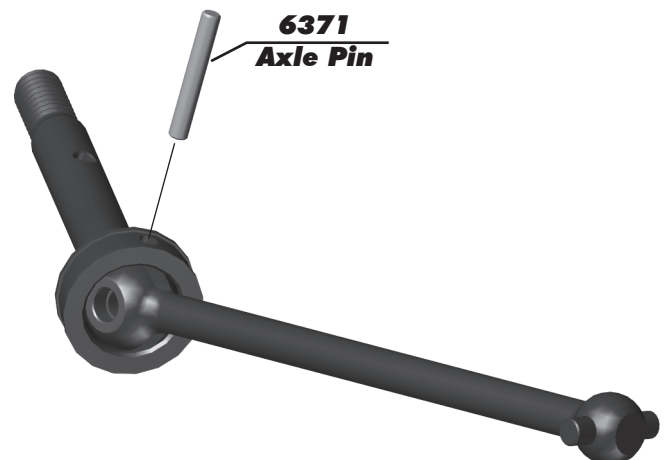
**Build left and right sides!**



## :: Rear Suspension Build - Bag E - Step 2

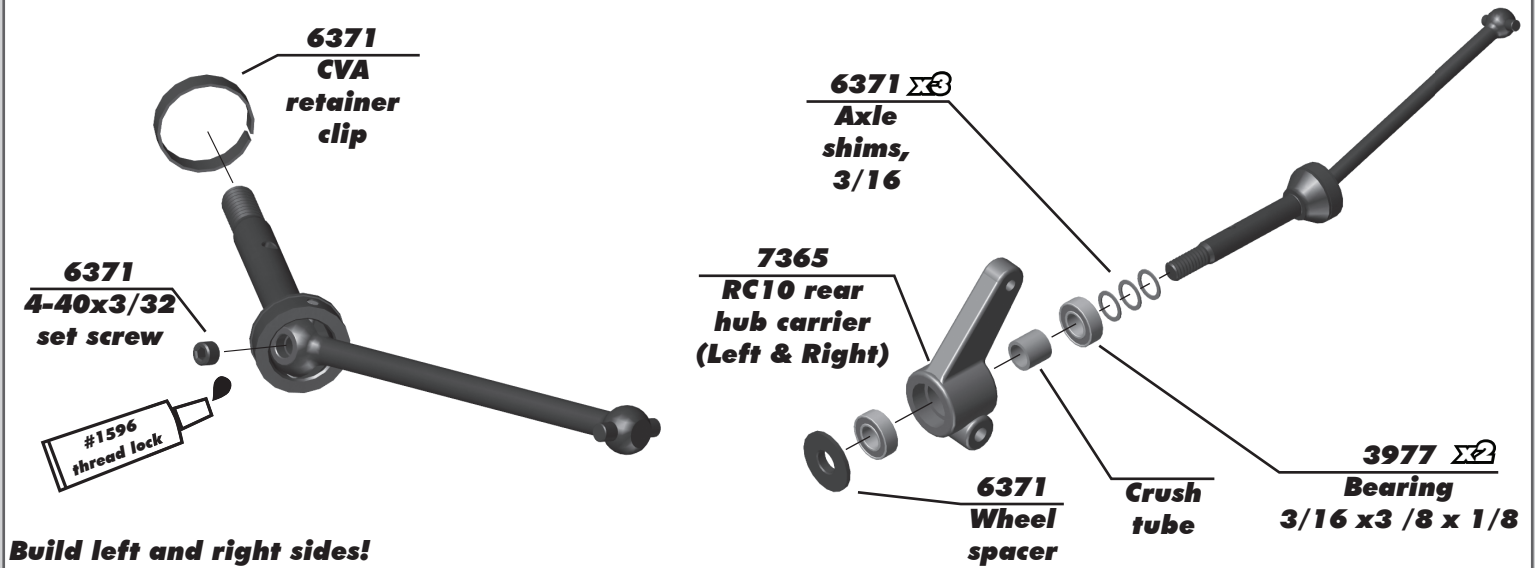


**Build left and right sides!**

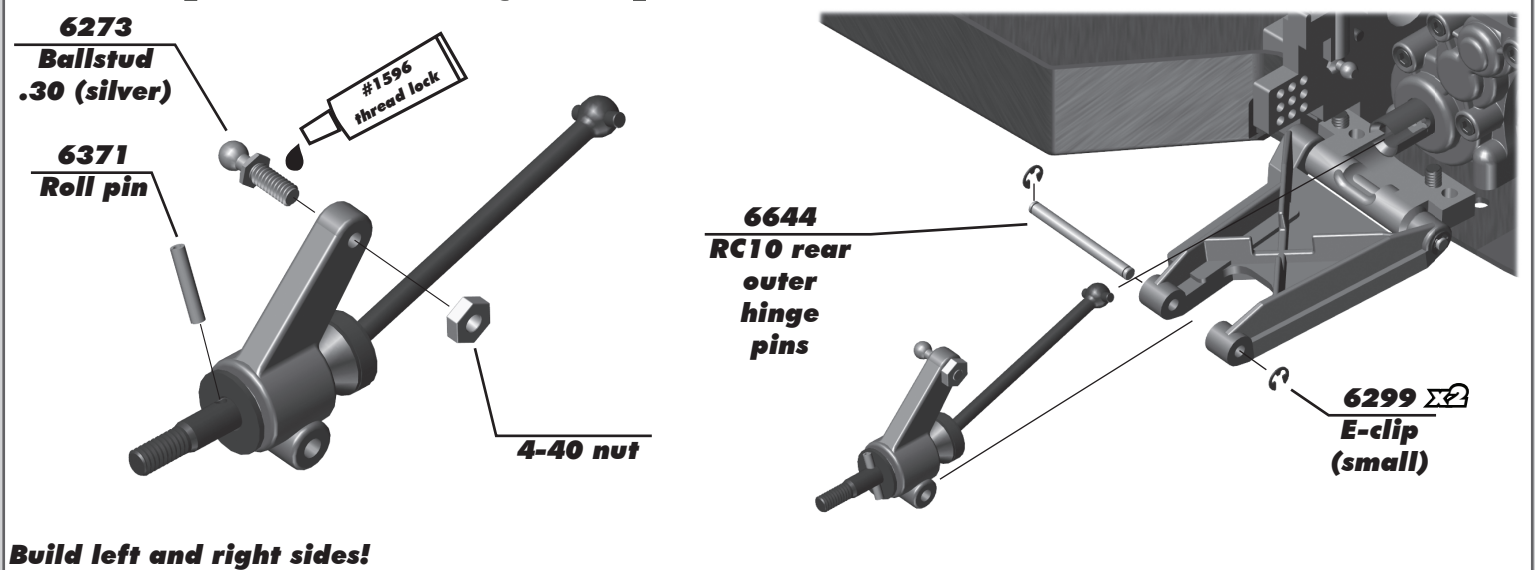


**Build left and right sides!**

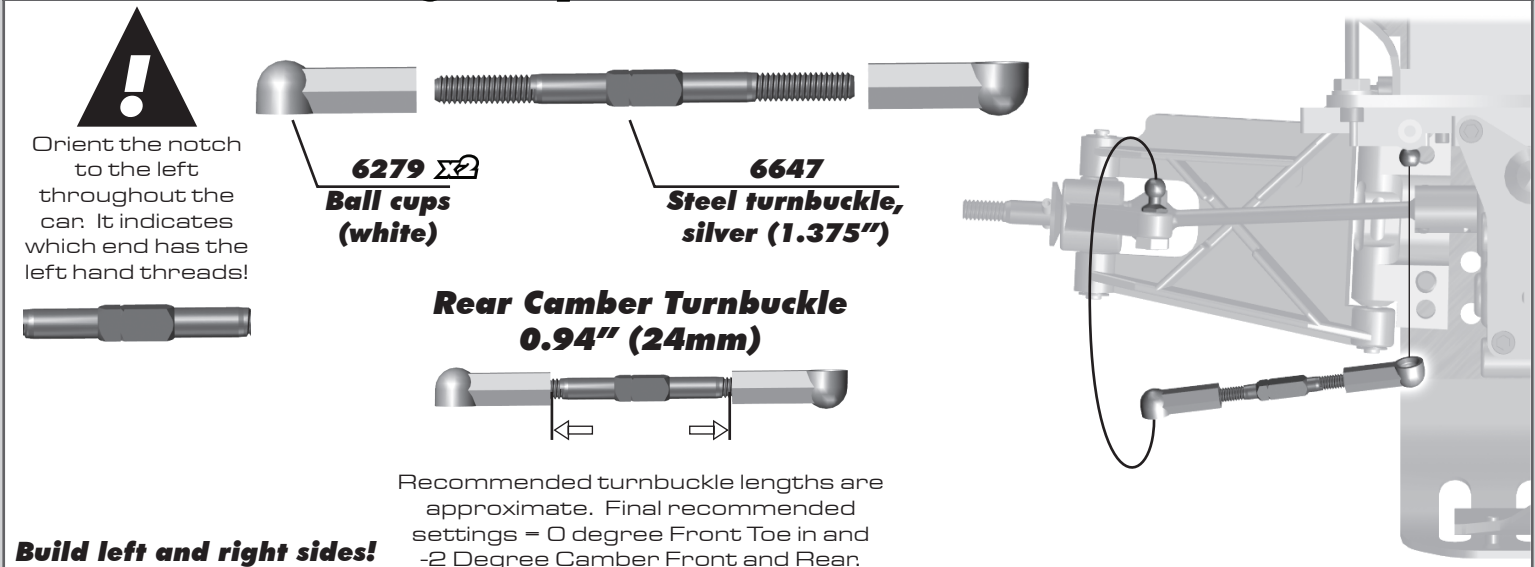
### :: Rear Suspension Build - Bag E - Step 3



### :: Rear Suspension Build - Bag E - Step 4



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



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



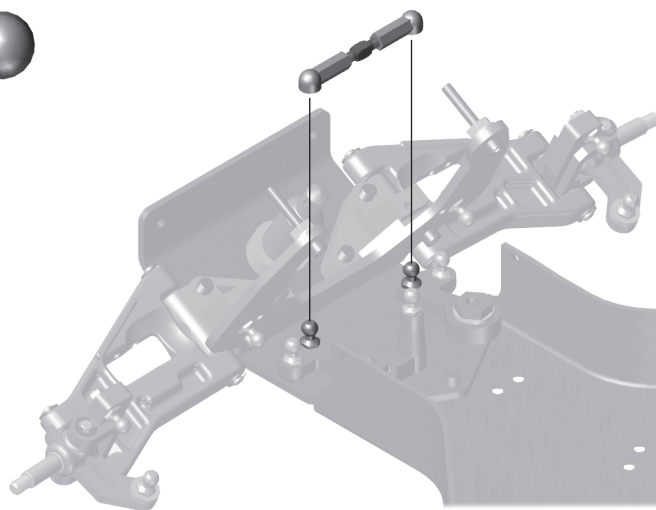
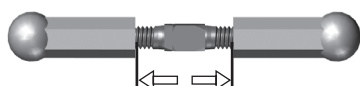
Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



**6279**  $\Sigma 2$   
**Ball cups**  
**(white)**

**6260**  
**Steel turnbuckle,**  
**(1.06")**

**Steering Rack Turnbuckle**  
**0.51" (13mm)**



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



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



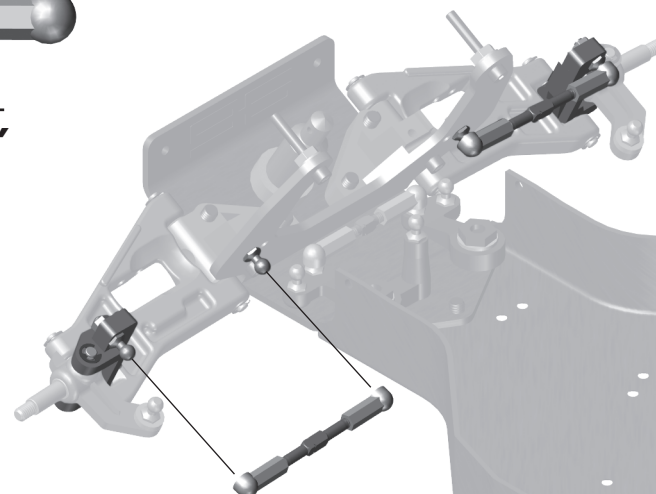
**6279**  $\Sigma 2$   
**Ball cups**  
**(white)**

**6647**  
**Steel turnbuckle,**  
**silver (1.65")**

**Front Camber Turnbuckle**  
**1.14" (29.00mm)**



Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.



**Build left and right sides!**

## :: Turnbuckles Build - Bag F - Step 4



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



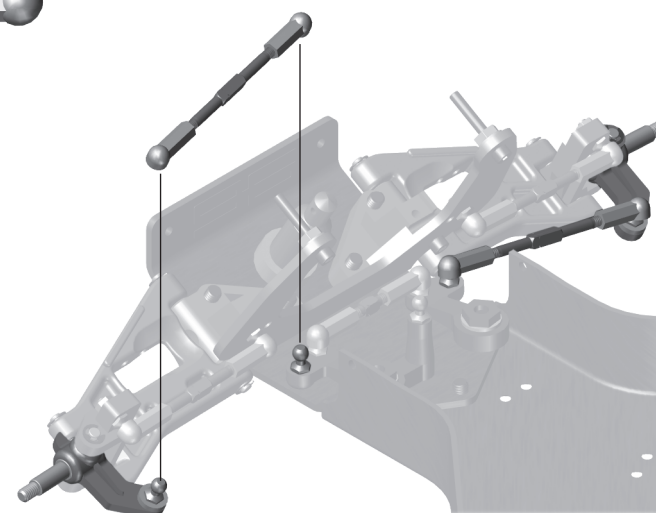
**6279**  $\Sigma 2$   
**Ball cups**  
**(white)**

**6647**  
**Steel turnbuckle,**  
**silver (2.06")**

**Steering Turnbuckle**  
**1.42" (36.00mm)**



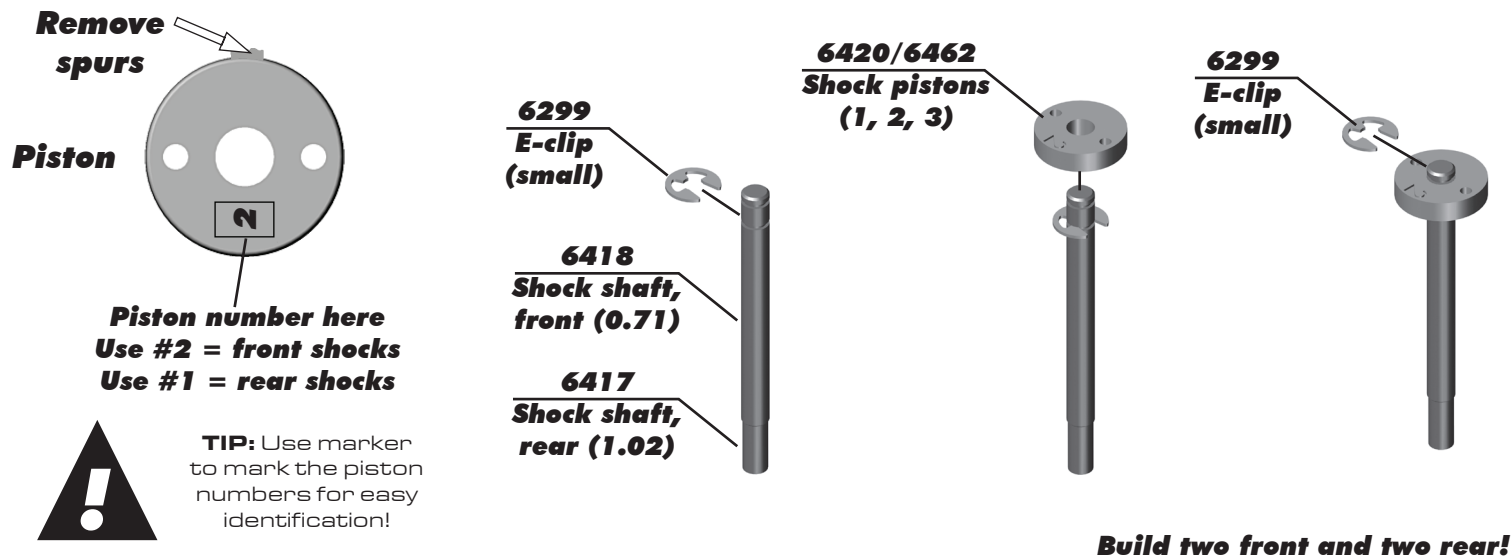
Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.



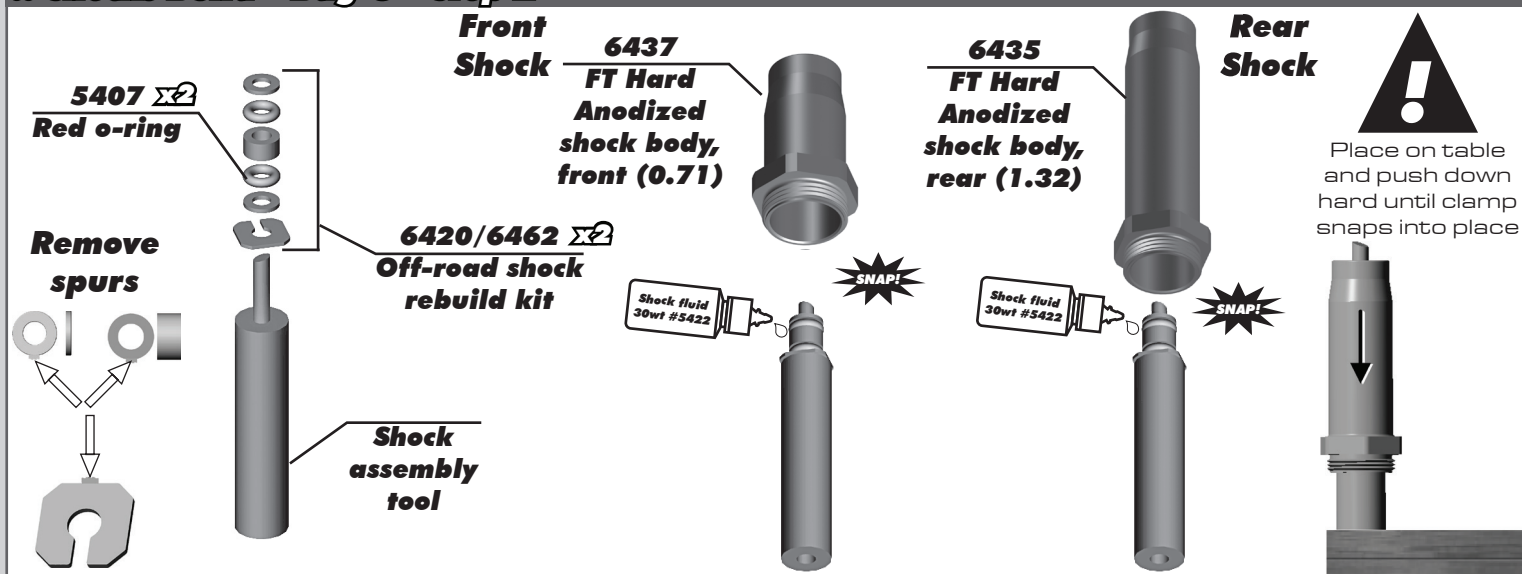
**Build left and right sides!**



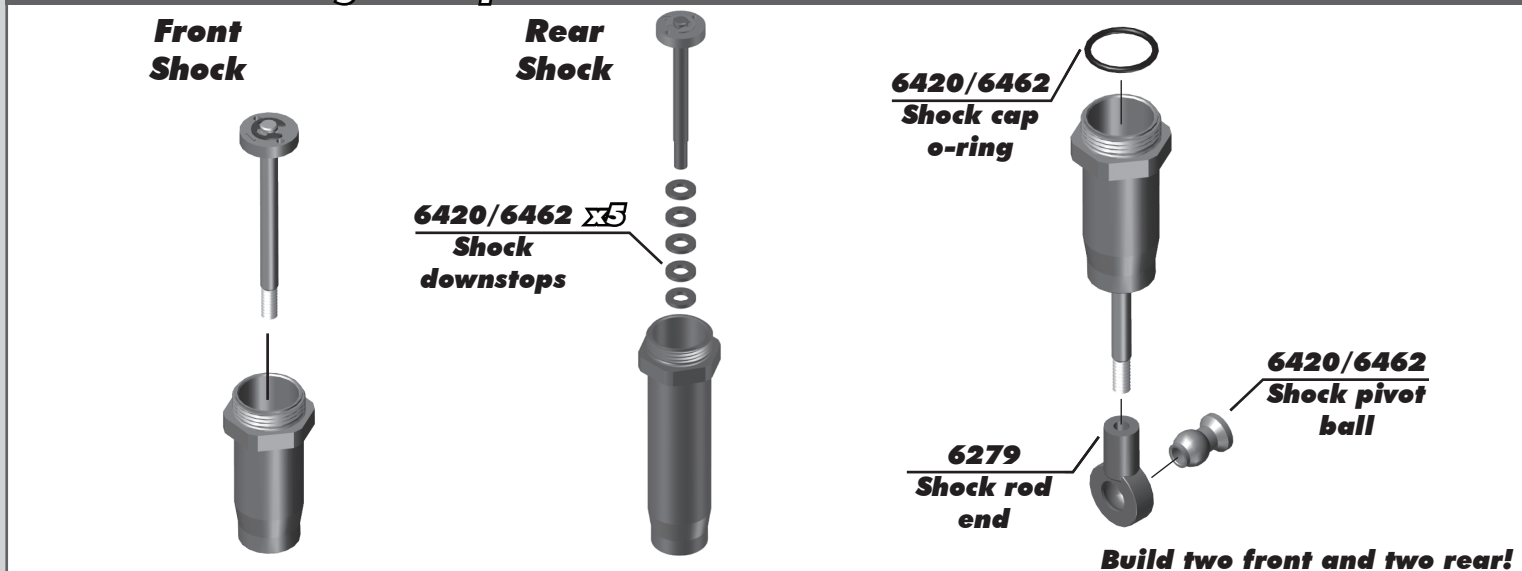
## :: Shocks Build - Bag G - Step 1



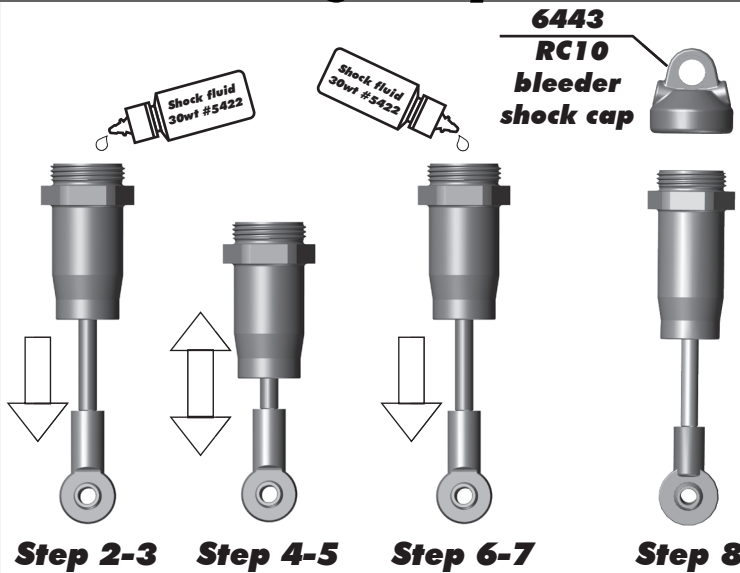
## :: Shocks Build - Bag G - Step 2



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



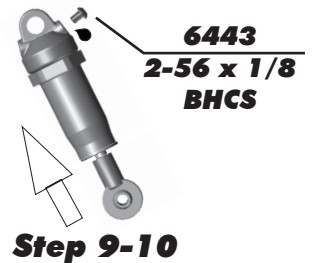
## :: Shocks Build - Bag G - Step 4



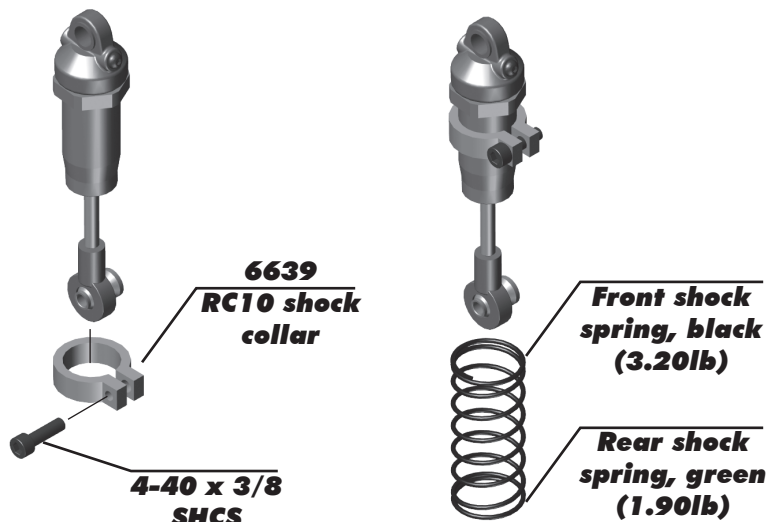
### Shock Bleeding Steps:

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 button head screw until snug while shaft is fully compressed.

**Stroke**  
**Front:**  
**19mm**  
**Rear:**  
**23mm**



## :: Shocks Build - Bag G - Step 5



Due to various weights of electronics, these settings may change

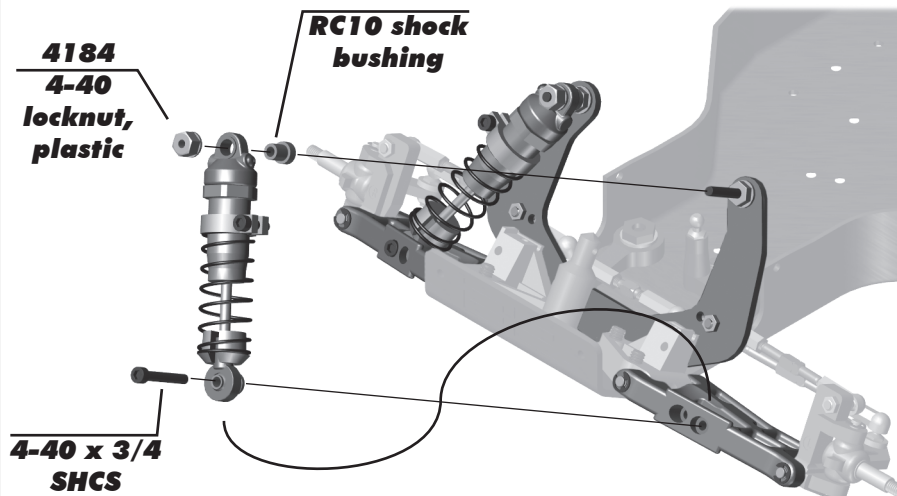
**Front: 6mm (Arms level)**

**Rear: 5mm (Dog bones level)**



**Build two front and two rear!**

## :: Shocks Build - Bag G - Step 6



**Build left and right sides!**



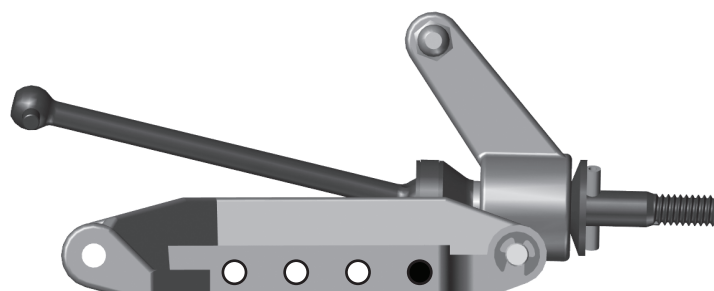
## :: Shocks Build - Bag G - Step 7

RC10 shock  
bushing

4184  
4-40  
locknut,  
plastic

4-40 x 3/4  
SHCS

31385  $\times 2$   
Aluminum  
washer, 1mm



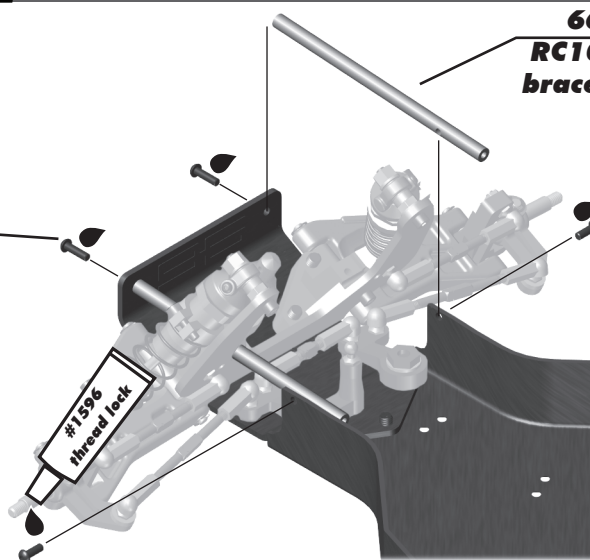
**Build left and right sides!**

## :: Chassis Build - Bag H - Step 1

**2**  
 $\times 2$   
4-40 x 3/8  
BHCS

6638  
RC10 nose  
brace tubes

**1**  
 $\times 2$   
4-40 x 1/4  
BHCS



**Build left and right sides!**

## :: Electronics Build - Bag I - Step 1

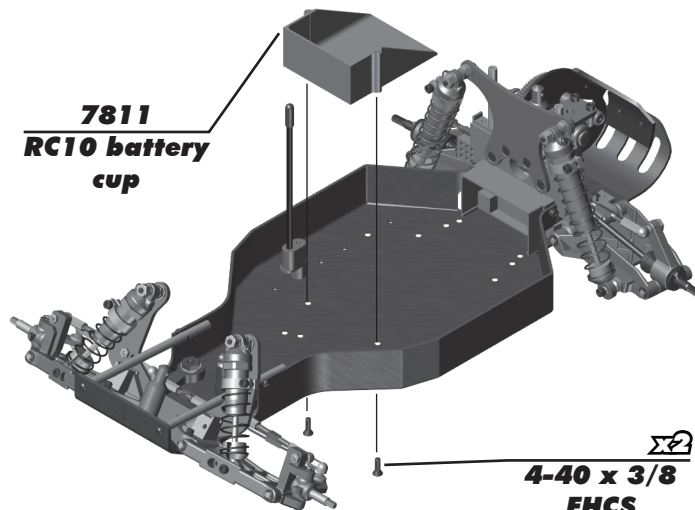
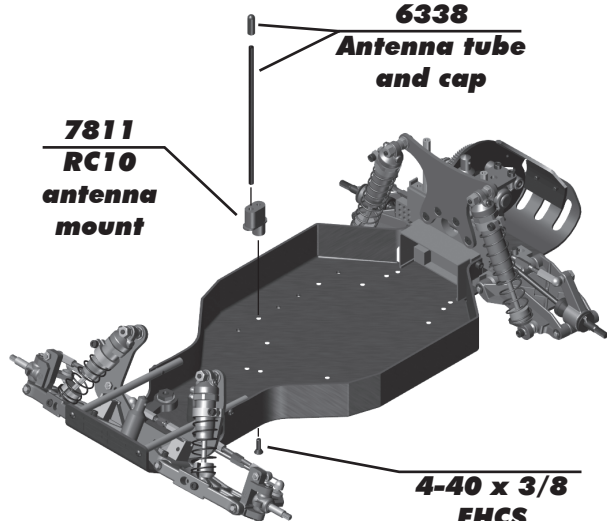
7811  
RC10  
antenna  
mount

6338  
Antenna tube  
and cap

4-40 x 3/8  
FHCS

7811  
RC10 battery  
cup

$\times 2$   
4-40 x 3/8  
FHCS



## :: Electronics Build - Bag 1 - Step 2



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



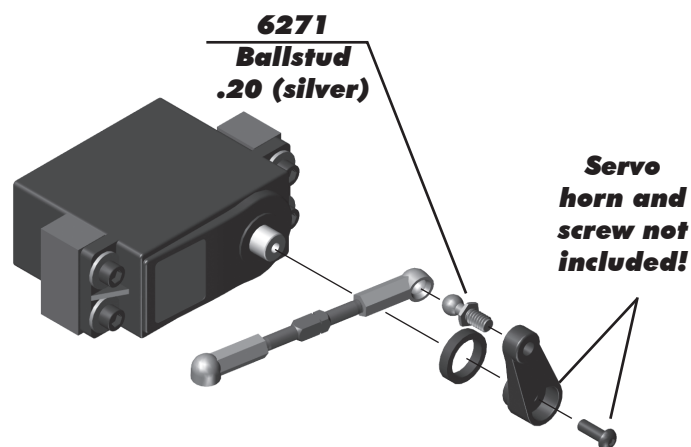
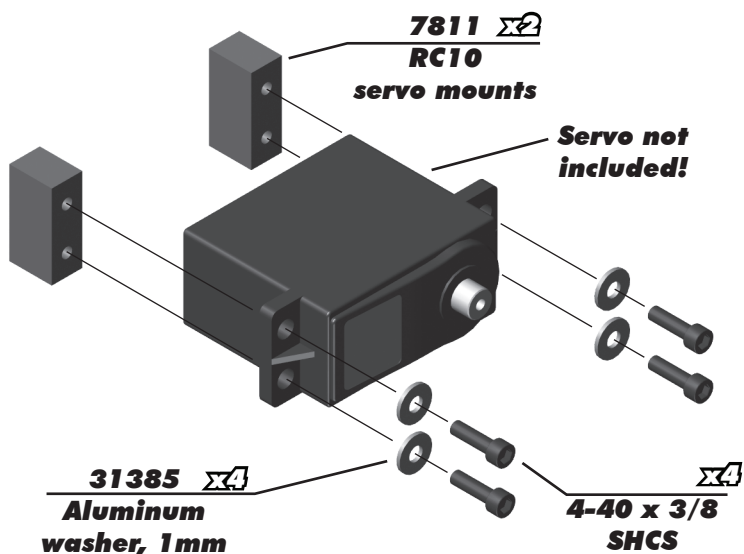
**6279**  $\Sigma 2$   
Ball cups  
(white)

**6647**  
Steel turnbuckle,  
silver (1.65")

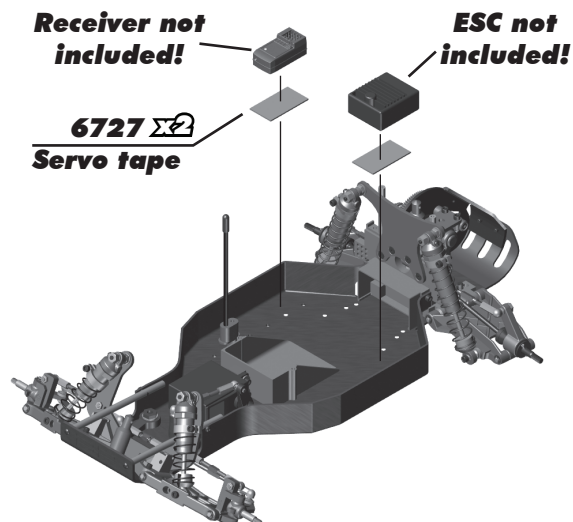
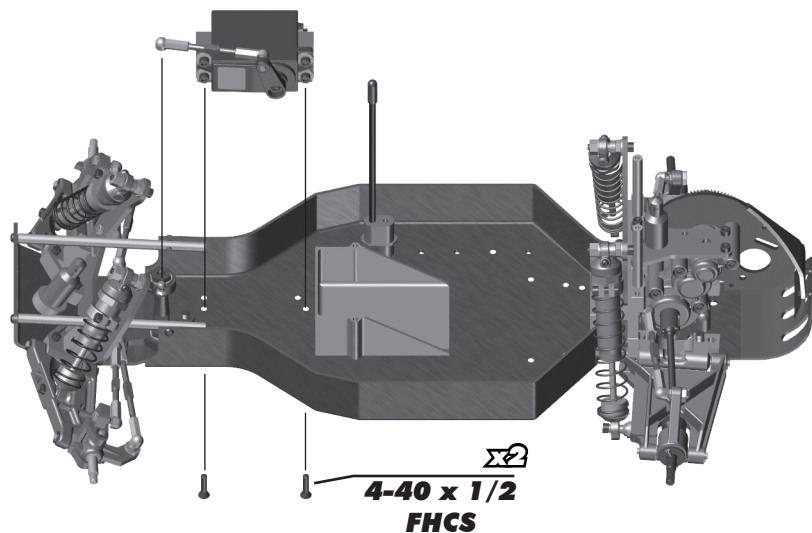
**Servo Turnbuckle**  
**1.34" (34mm)**



## :: Electronics Build - Bag 1 - Step 3

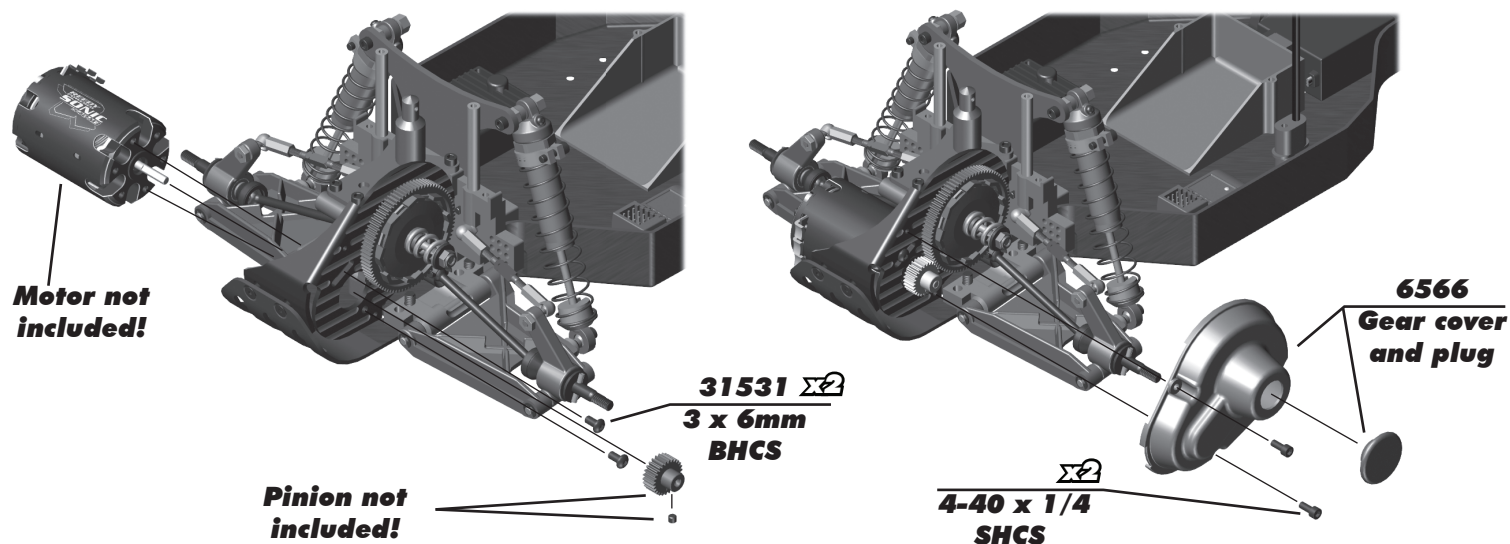


## :: Electronics Build - Bag 1 - Step 4

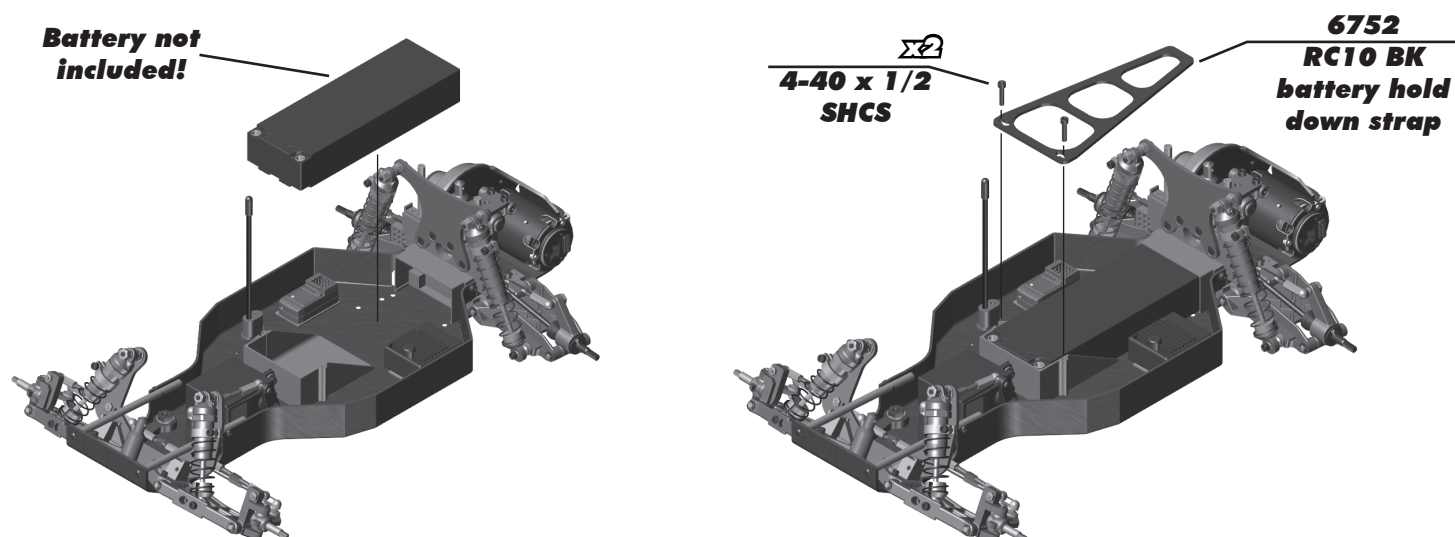




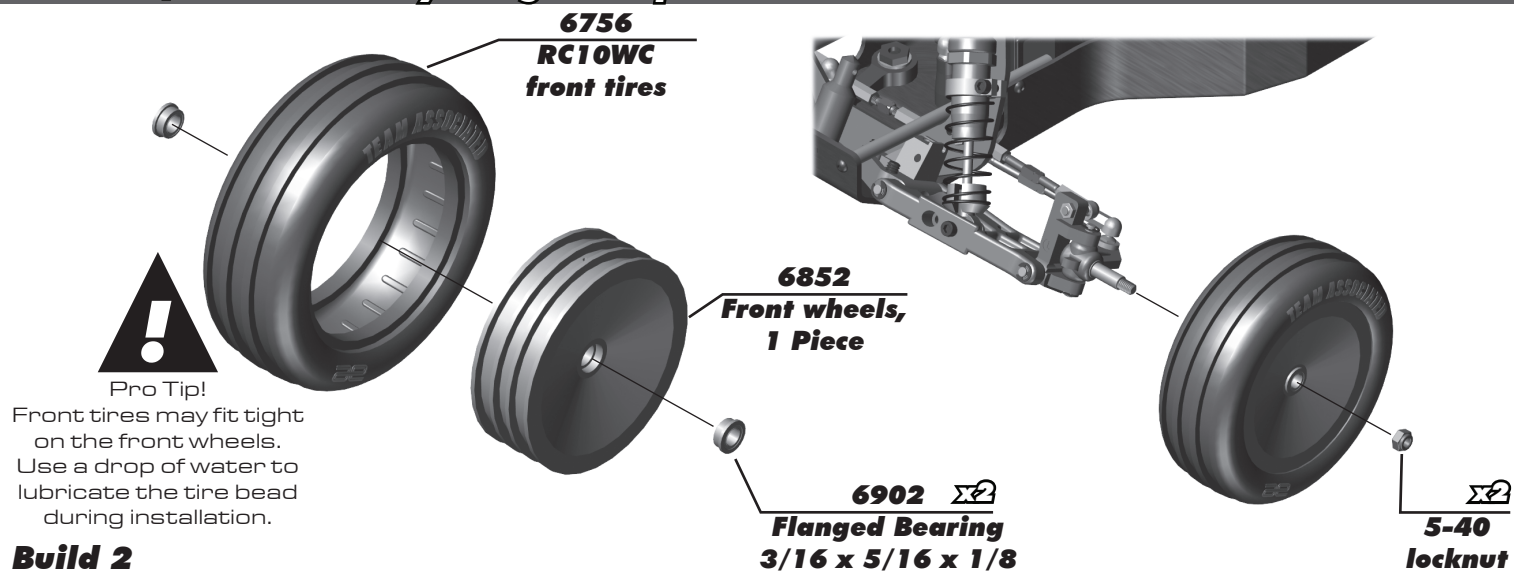
## :: Electronics Build - Bag I - Step 5



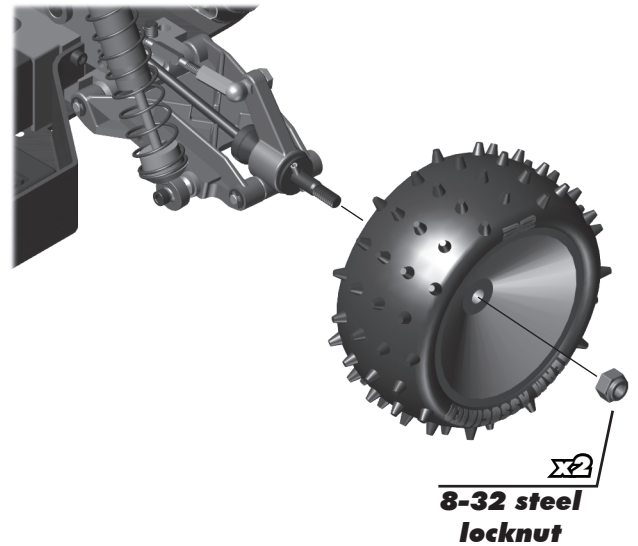
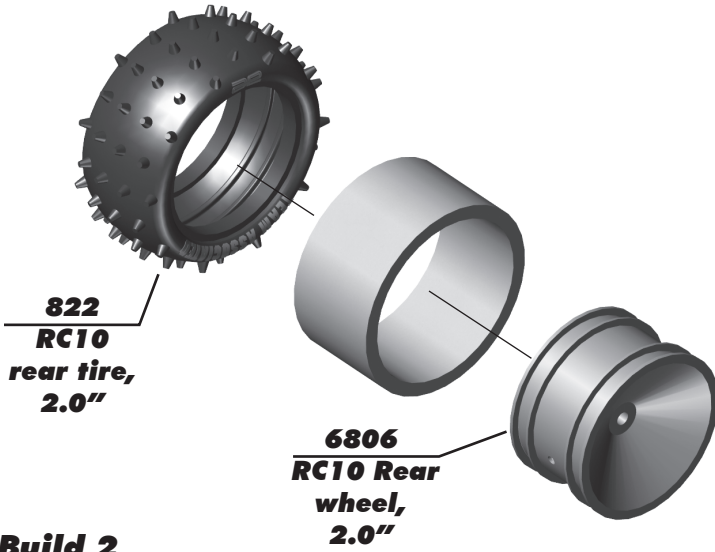
## :: Electronics Build - Bag I - Step 6



## :: Wheels / Tires and Body - Bag J - Step 1



## :: Wheels / Tires and Body - Bag J - Step 2



## :: Wheels / Tires and Body - Bag J - Step 3

### Painting Tips:

Your RC10 Kit comes with a clear polycarbonate body and wing. You will need to prep the body and wing before you can paint them. Wash the inside thoroughly with warm water and liquid detergent. Dry the body and wing using a clean, soft, lint-free cloth. Use high quality masking tape to make masks for the windows and install them on the inside of the body (RC cars get painted from the inside).

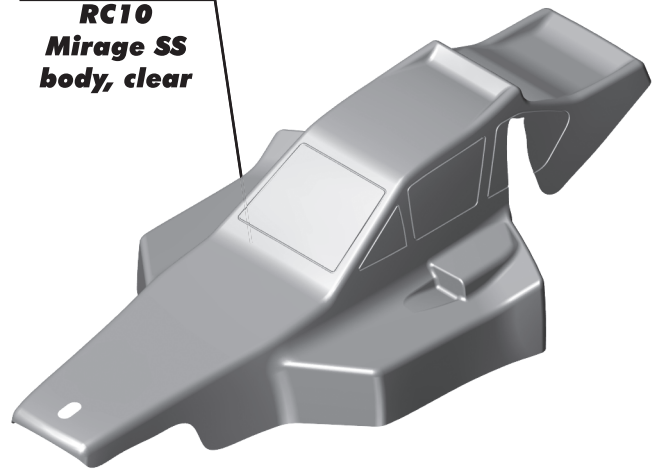
Using high quality masking tape, apply tape to the inside of the body to create a design. Spray (either rattle can or airbrush R/C specific paint) the paint to the inside of the body (preferably dark colors first, lighter colors last).

NOTE: use ONLY paint that is recommended for use with [polycarbonate] plastics. If you do not, you can destroy the plastic body and wing!!!!).

It is recommended to wear a mask while painting.

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

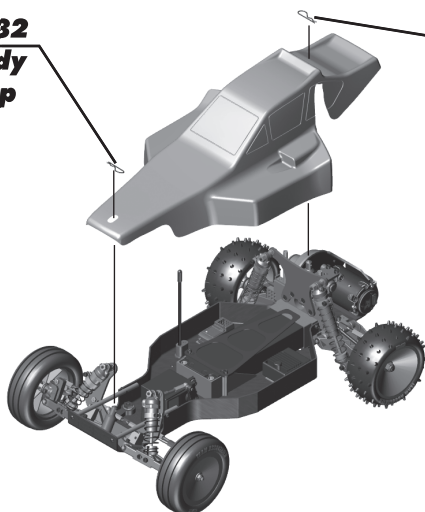
**6164**  
**RC10**  
**Mirage SS**  
**body, clear**



## :: Wheels / Tires and Body - Bag J - Step 4

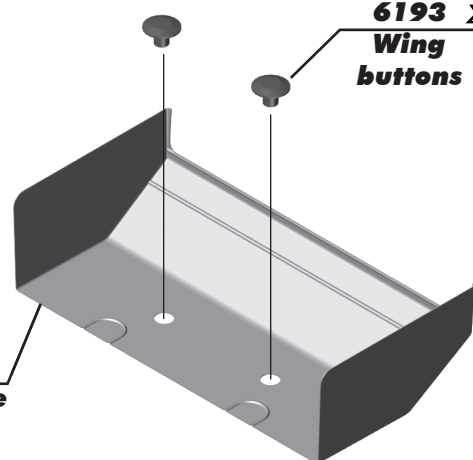
**6332**  
**Body**  
**clip**

**6332**  
**Body**  
**clip**



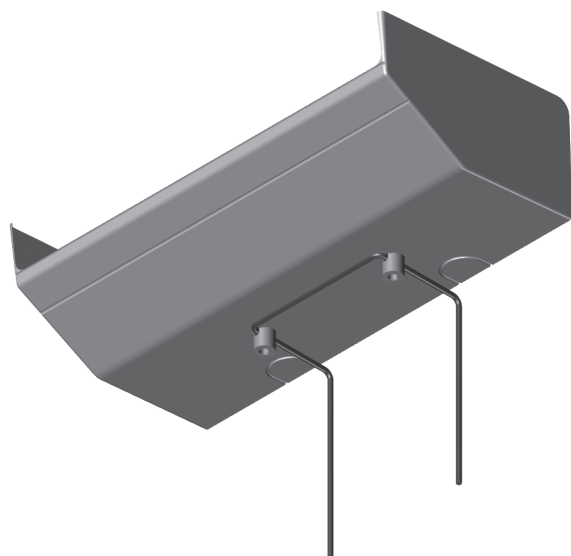
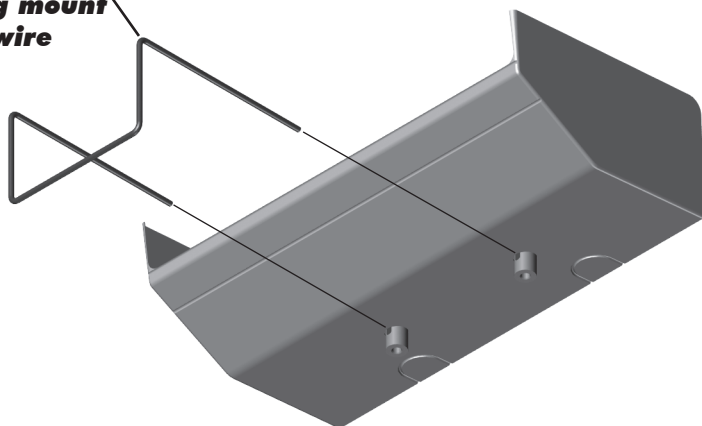
**6193** **X2**  
**Wing**  
**buttons**

**6182**  
**High downforce**  
**wing, 5.5"**

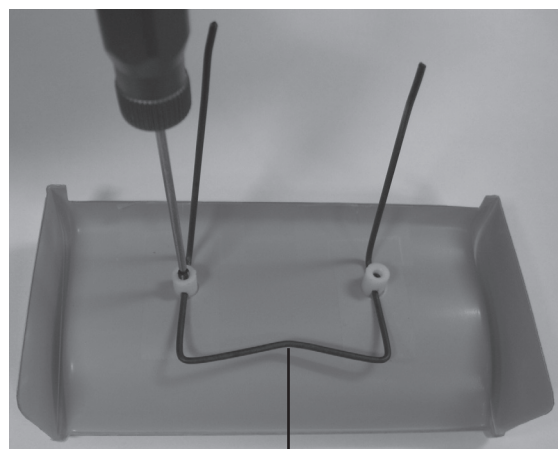
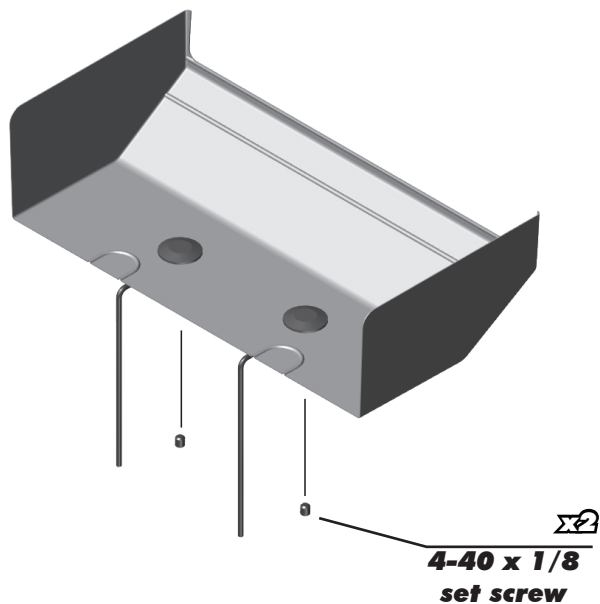


## :: Wheels / Tires and Body - Bag J - Step 5

**6648**  
**Wing mount**  
**wire**



## :: Wheels / Tires and Body - Bag J - Step 6

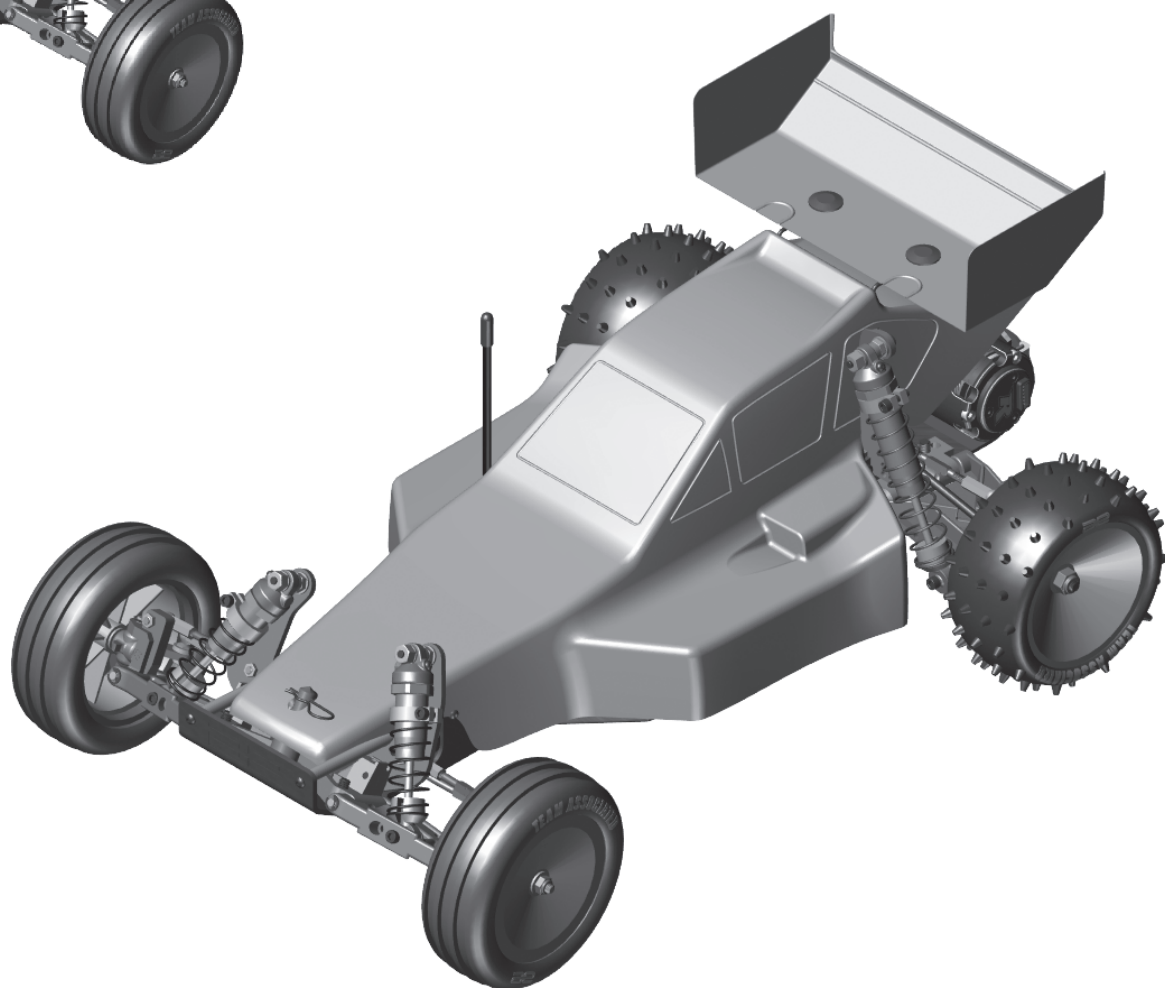
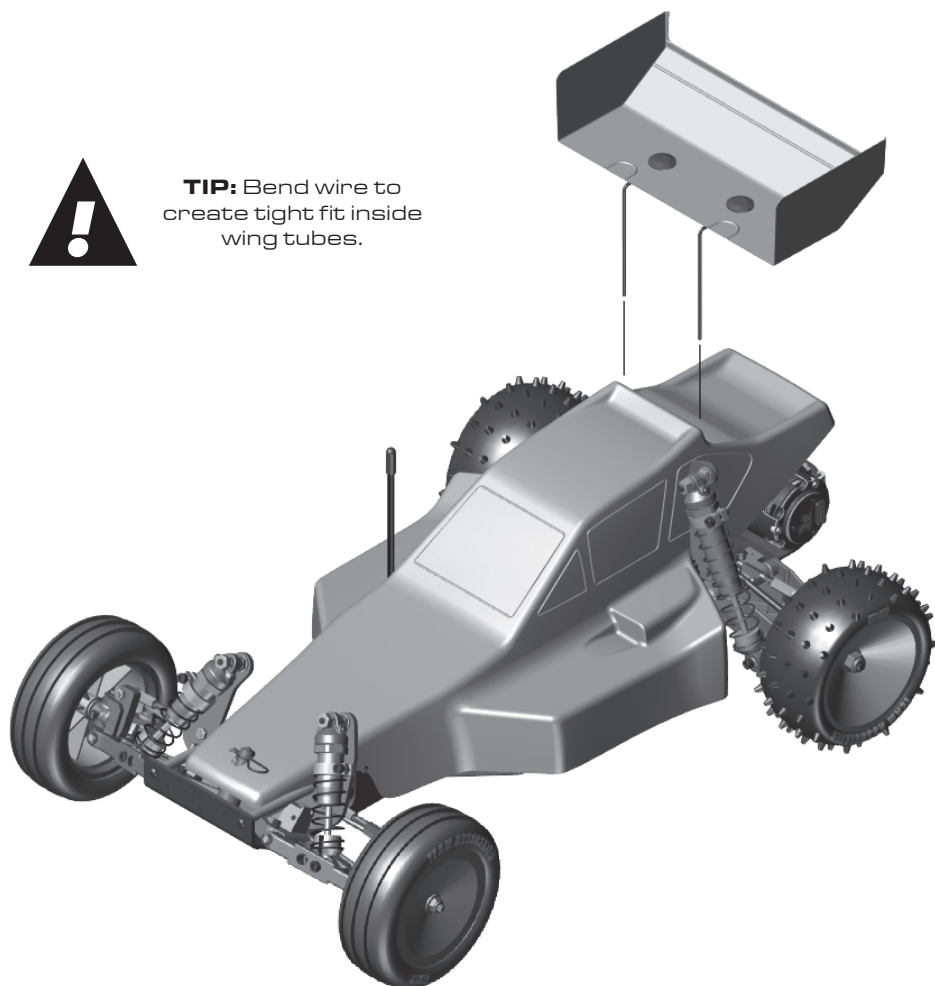


**TIP:** Bending the wire as shown can help ensure the wing buttons are parallel.



**:: Wheels / Tires and Body - Bag J - Step 7**

**TIP:** Bend wire to create tight fit inside wing tubes.



**:: Notes**



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