

TEAM ASSOCIATED 

# RC10

1:10 SCALE COMPETITION GAS TRUCK  
GOLD EDITION

**1:10 SCALE GAS OFF ROAD TRUCK**



# KIT INSTRUCTION MANUAL

Due to ongoing research and development, photos may not match current kit components. RC10 photos shown equipped with items that may NOT be included with vehicle.

## :: Introduction

Thank you for purchasing this Team Associated product. This assembly manual contains instructions and tips for building and maintaining your new RC10GT 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 RC10GT Kit:

- Exclusive Gold Aircraft aluminum tub chassis
- Stealth ATC Transmission, optimized for gas truck racing, 2.6:1 reduction
- Powerful rear disk brakes
- Adjustable Slipper clutch
- 2-second, quick fill fuel tank with filter
- Heavy-duty front and rear arms
- Reversible bellcrank / servo-saver steering
- Vintage multi-surface wide front tires
- Vintage Spike rear tires
- 3 piece front and rear wheels
- Original Clear Lexan body
- Gold Anodized, Oil filled shocks
- Ball Differential
- Dual Stage Air Filter system
- Precision Bearings throughout
- Original release white plastic parts
- Adjustable Turnbuckles for camber and toe
- Aluminum Engine Manifold (Non pull start)
- Polished Exhaust pipe (Non Pull Start)
- 2 Shoe Clutch system and flywheel (non pull start)

## :: Additional

Your new RC10GT Kit comes as a kit. There are some items you will need to complete your kit (refer to website for suggestions):

- RC two channel surface frequency radio system
- .12 non-pull start engine
- Steering servo
- Starter box
- Receiver battery pack
- Battery charger compliant to battery type
- Polycarbonate specific paint
- Nitro fuel
- Throttle servo
- Starter box battery
- 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 #1697)
- Shock Pliers (AE #1681)
- Wire Cutters / Hobby Knife
- FT 7-Piece 1/4 in Hex Driver Set (AE #1650)
- 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

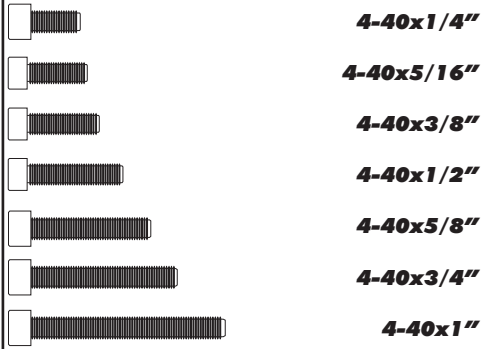
**Associated Electrics, Inc.**  
21062 Bake Parkway  
Lake Forest, CA 92630



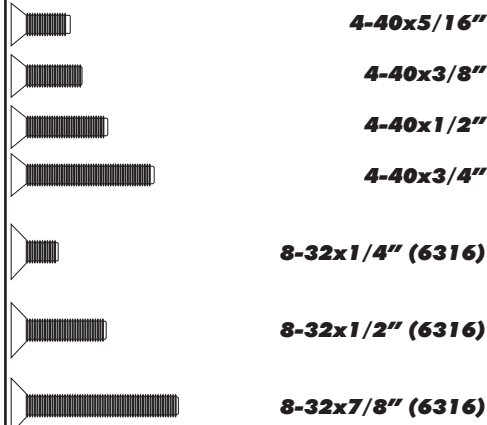
**Customer Service**  
Tel: 949.544.7500  
Fax: 949.544.7501

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

**Cap Head (shcs)**



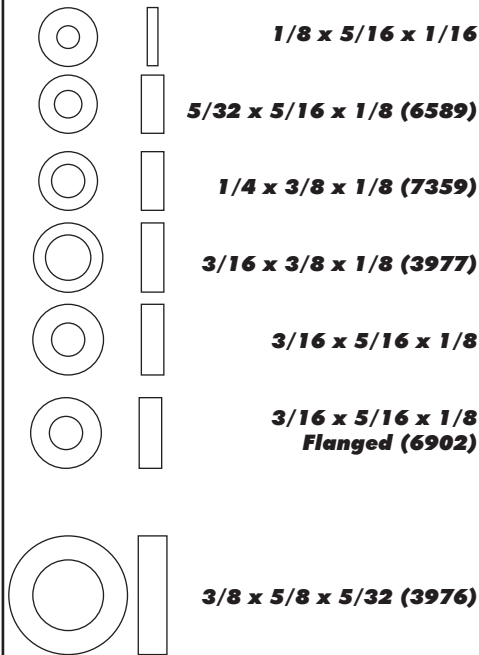
**Flat Head (fhcs)**



**Button Head (bhcs)**



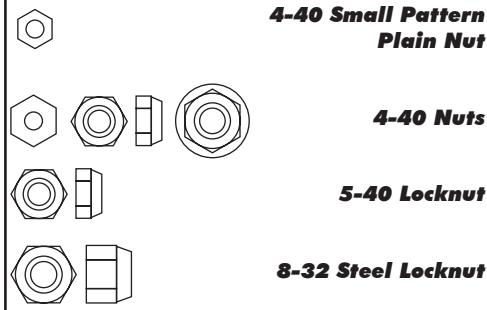
**Bearings / Bushings**



**Set Screws**



**Nuts (lock/plain)**



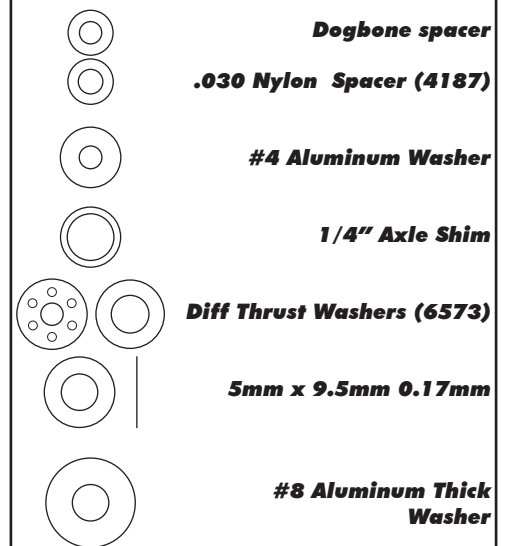
**Clips**



**Diff Balls**



**Shims and Washers**



**Notes:**

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2..... Introduction	16.....Fuel Tank / Servo Build (Bag H, F)
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4..... Table of Contents	18..... Throttle and Brake Links Build (Bag J)
5.....Nose Plate Build (Bag A)	20.....Fuel Tubing Install (Bag Misc)
7.....Servo Saver Build (Bag B)	20.....Air Filter Install (Bag Misc)
7..... Transmission Build (Bag C)	20.....Receiver Battery Pack Install (Bag D, I, Misc)
9.....Rear End Build (Bag D, A)	21..... Antenna, Receiver, Body Install (Bag Misc)
11.....Shocks Build (Bag E)	22.....Back Cover
13.....Turnbuckles Build (Bag F)	

**:: Notes**

This symbol 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.**

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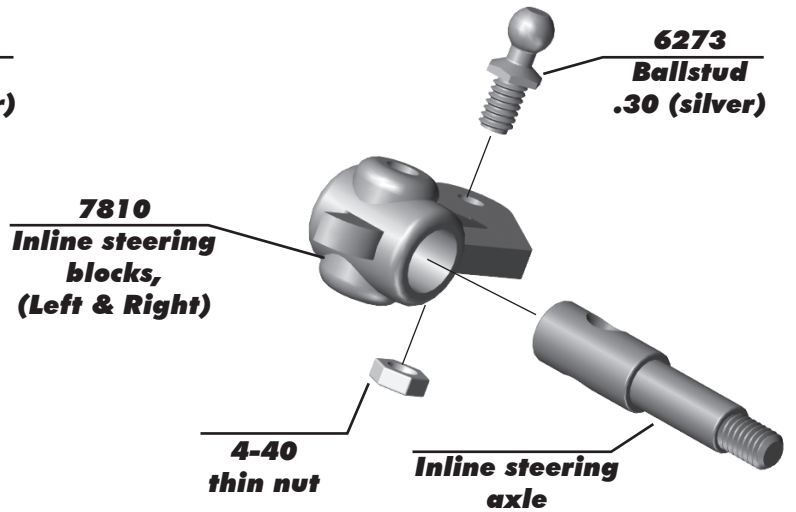
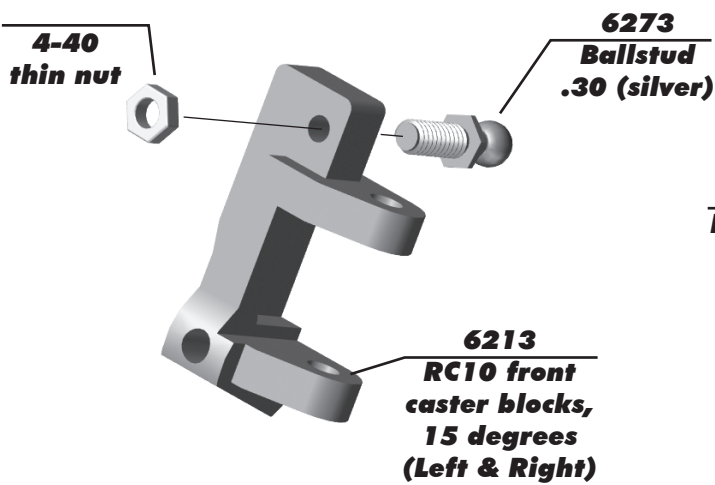


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**:: Nose Plate / Steering Build - Bag A - Step 1**

**LEFT**

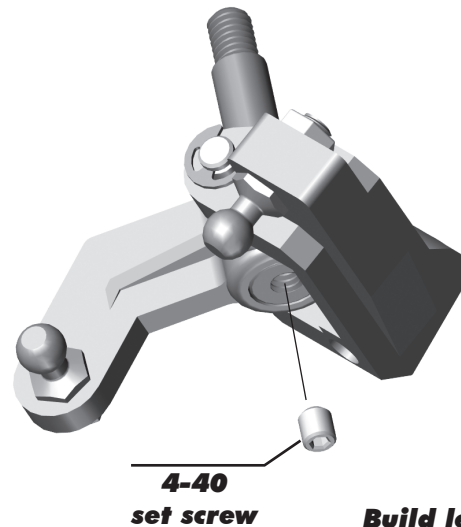
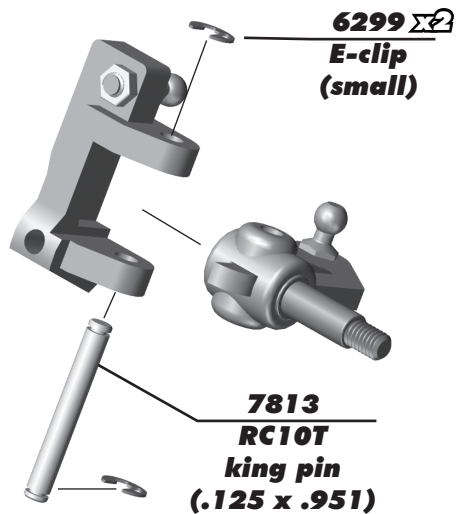
**LEFT**



**Build left and right sides!**

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

**LEFT**

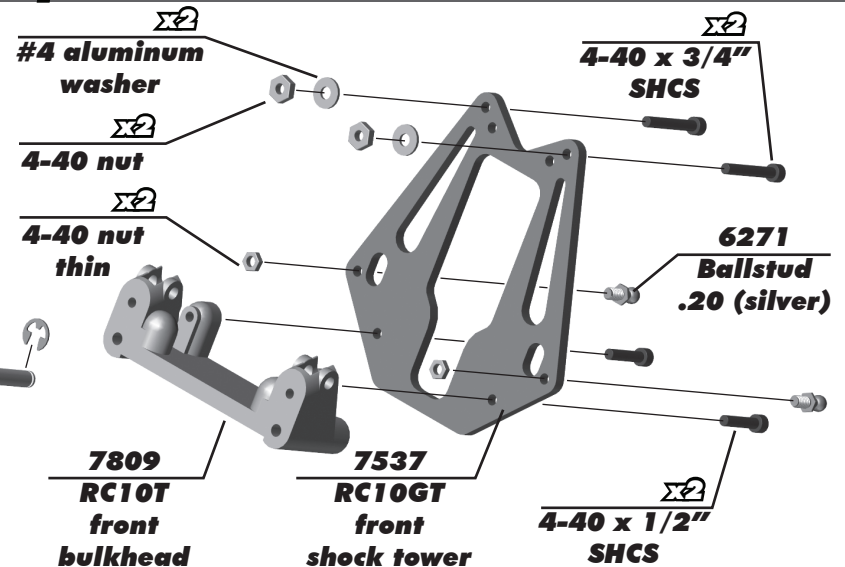
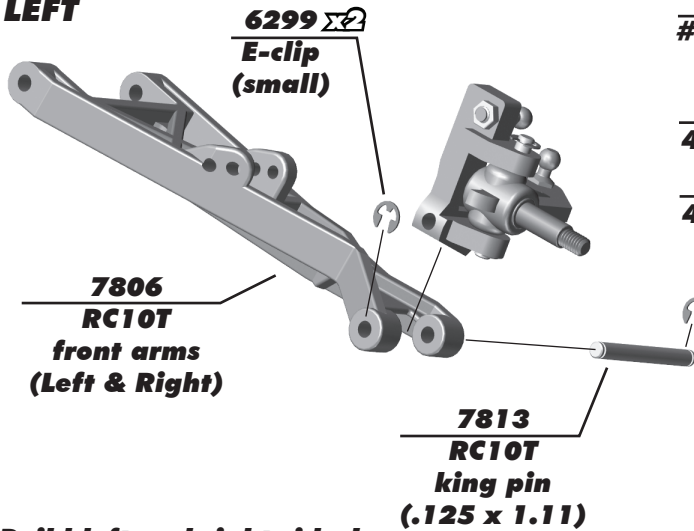


**Build left and right sides!**

**Build left and right sides!**

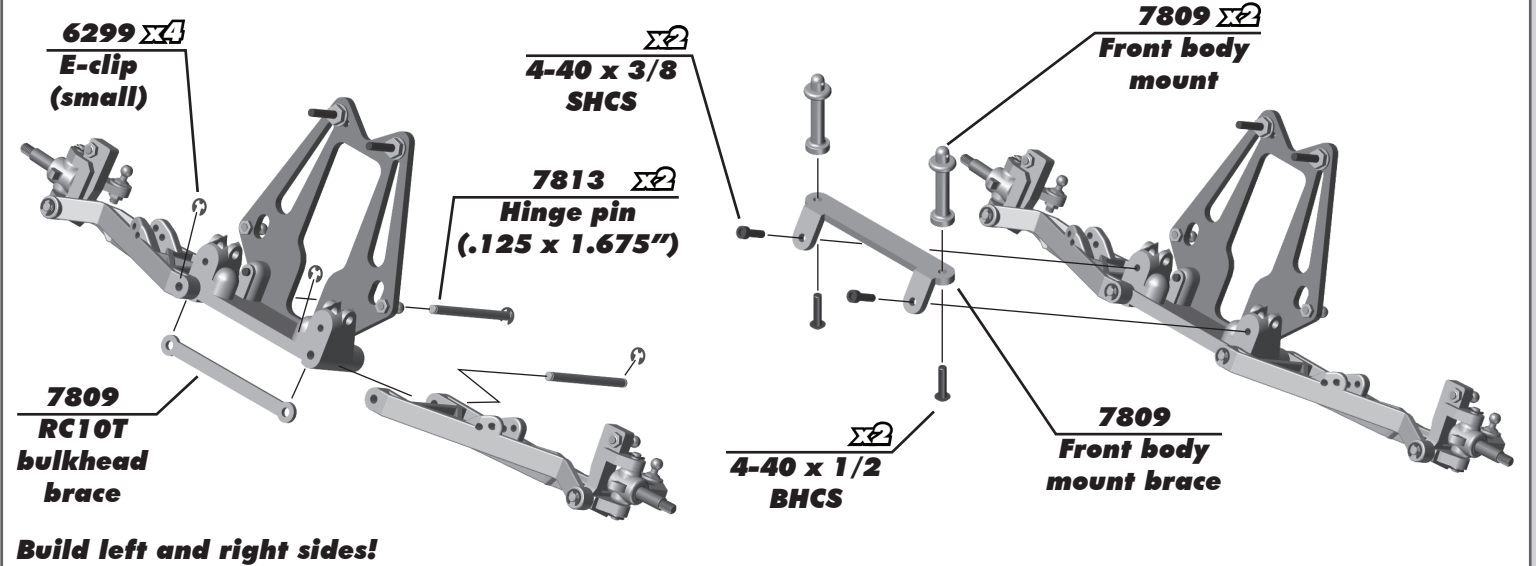
**:: Nose Plate / Steering Build - Bag A - Step 3**

**LEFT**

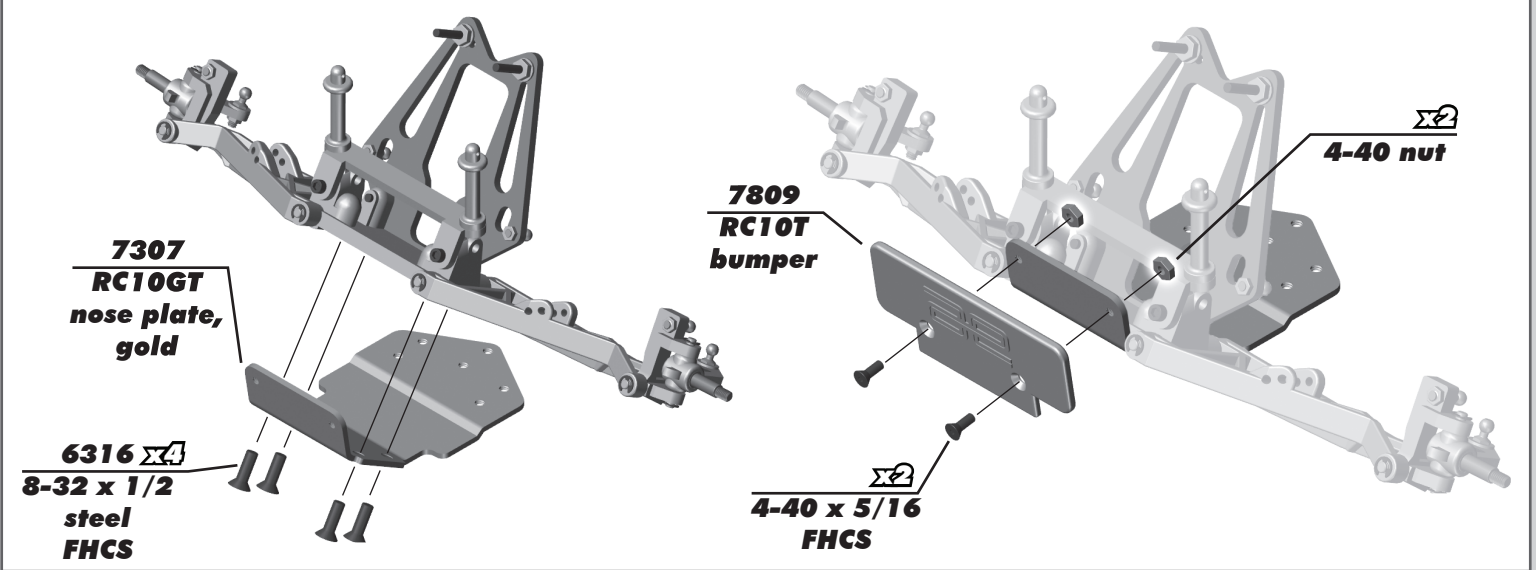


**Build left and right sides!**

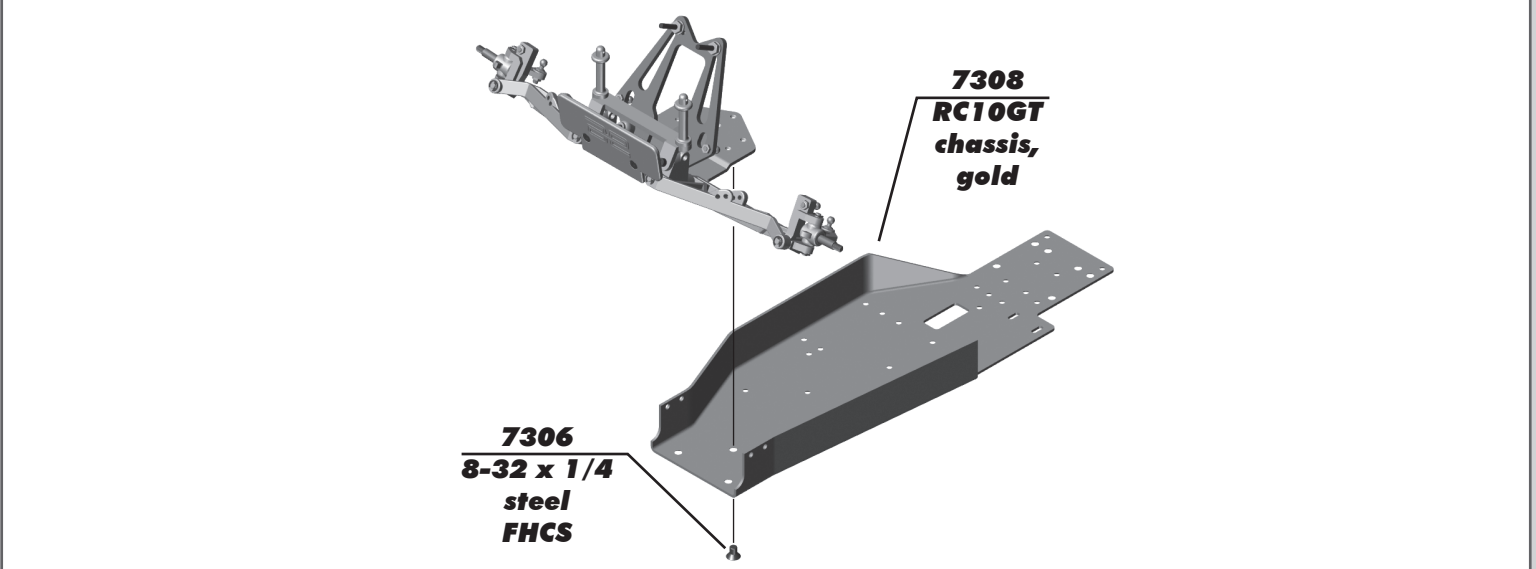
**:: Nose Plate / Steering Build - Bag A - Step 4**



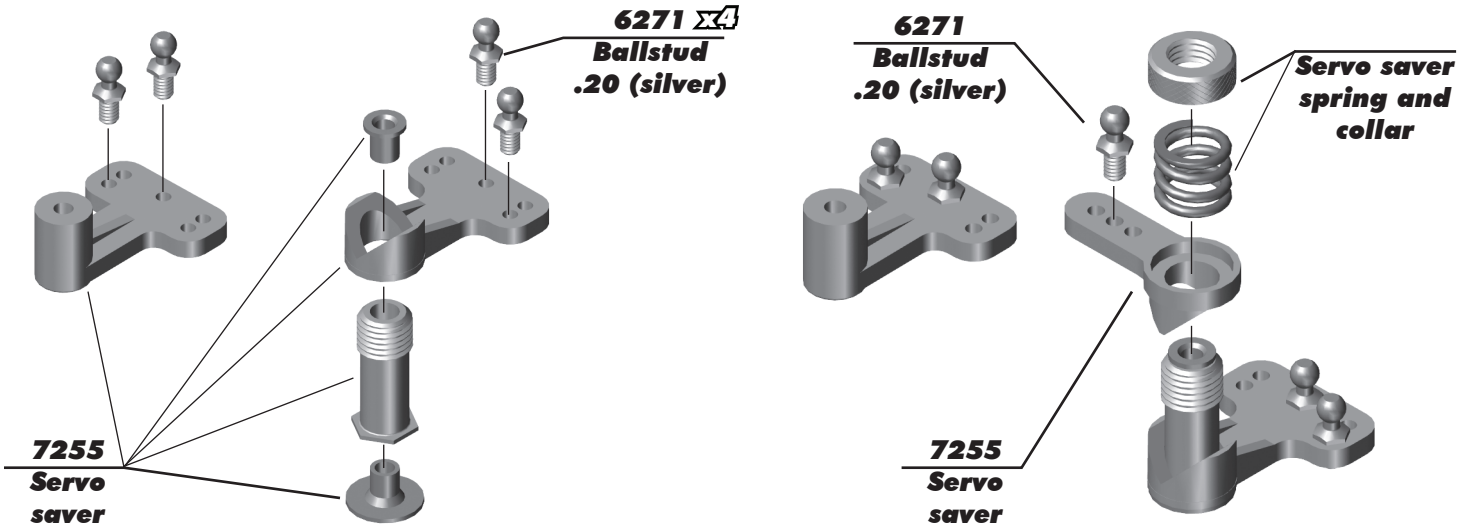
**:: Nose Plate / Steering Build - Bag A - Step 5**



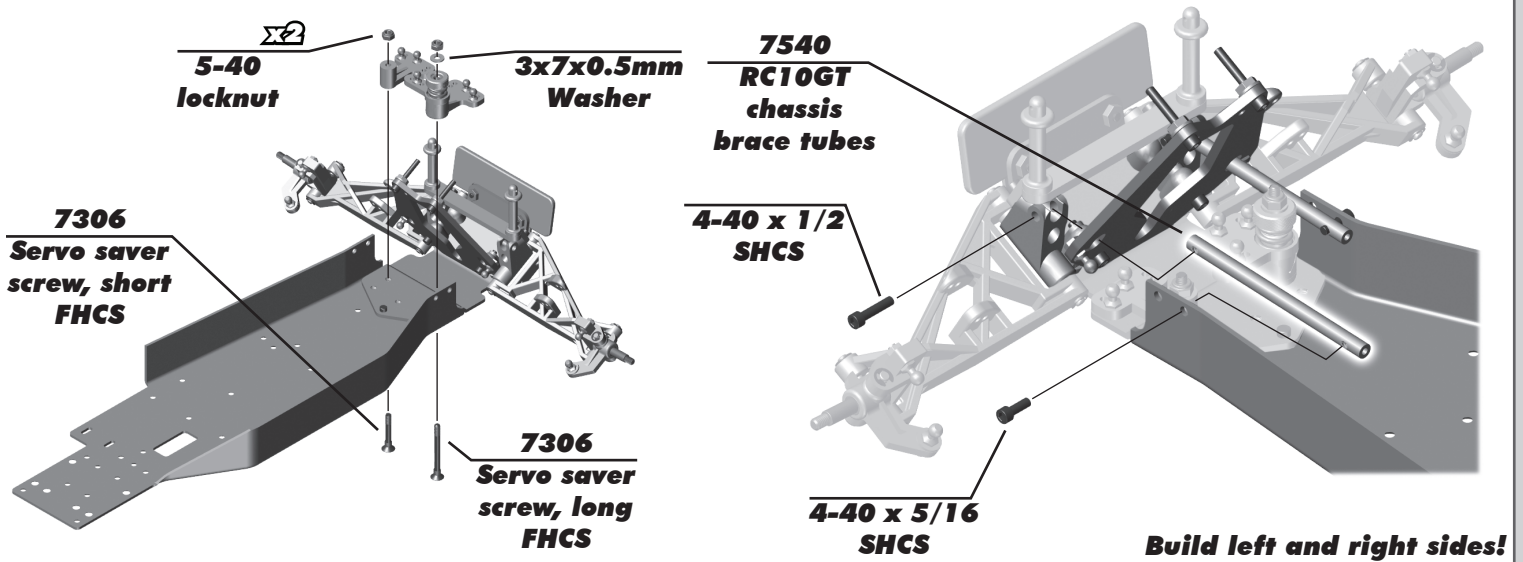
**:: Nose Plate / Steering Build - Bag A - Step 6**



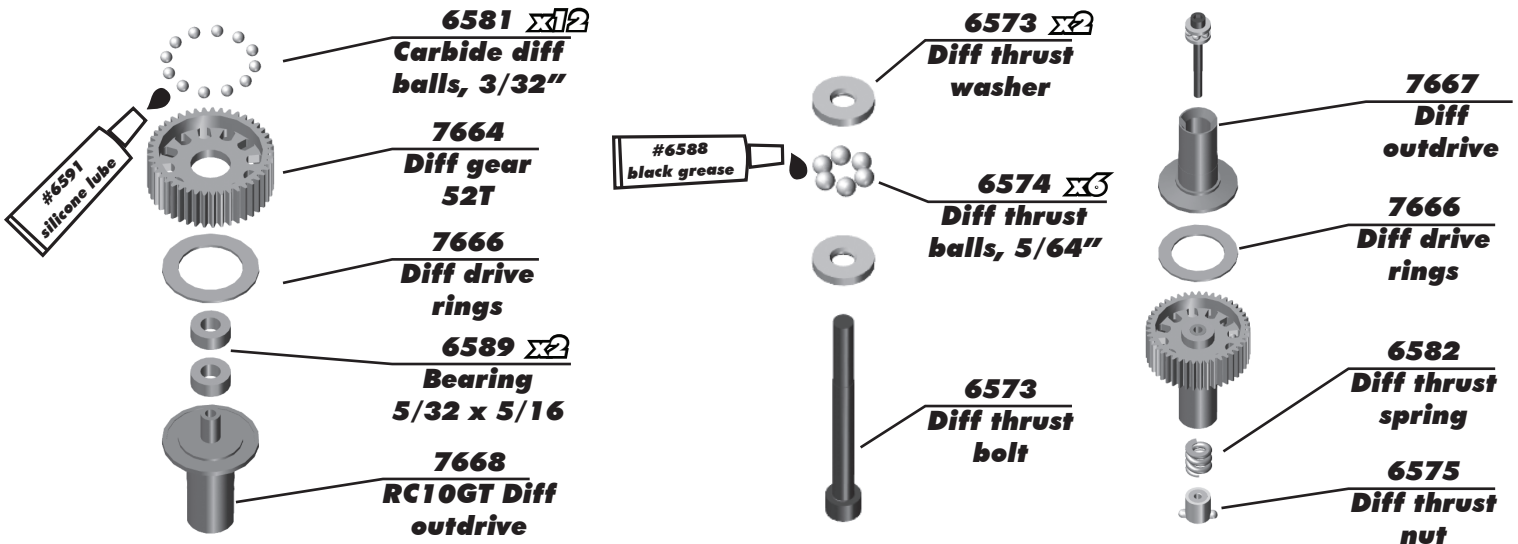
**:: Servo Saver Build - Bag B - Step 1**



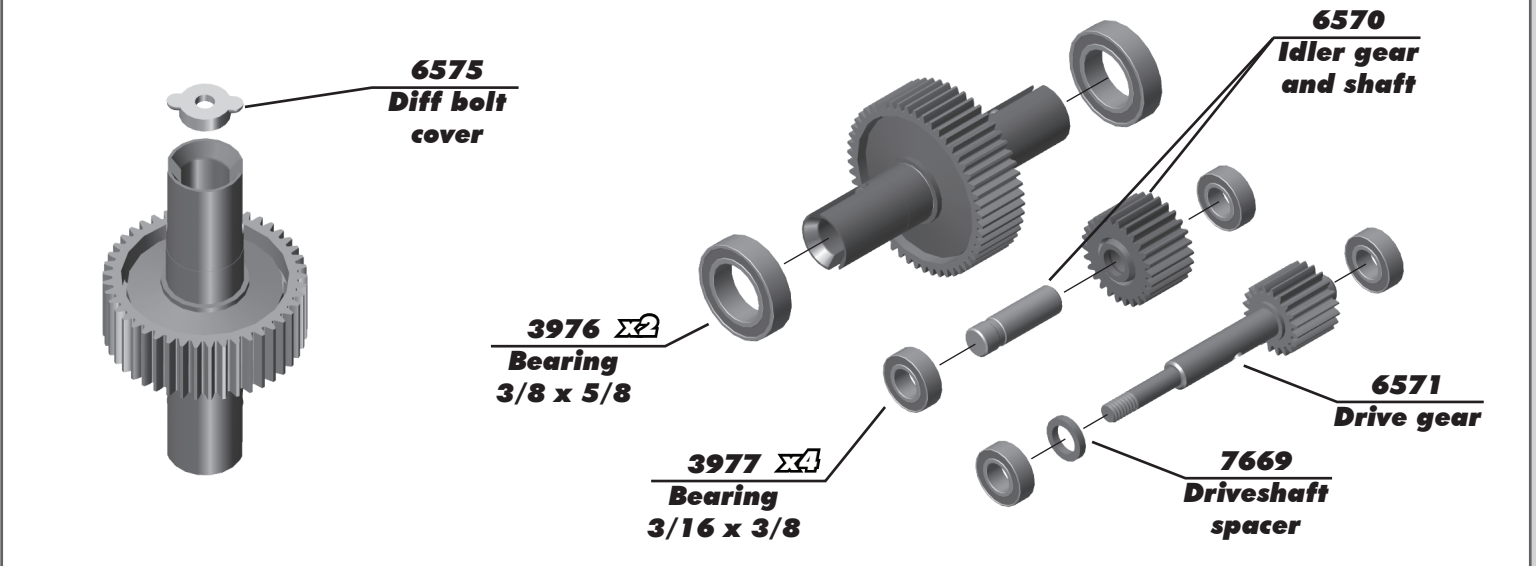
**:: Servo Saver Build - Bag B - Step 2**



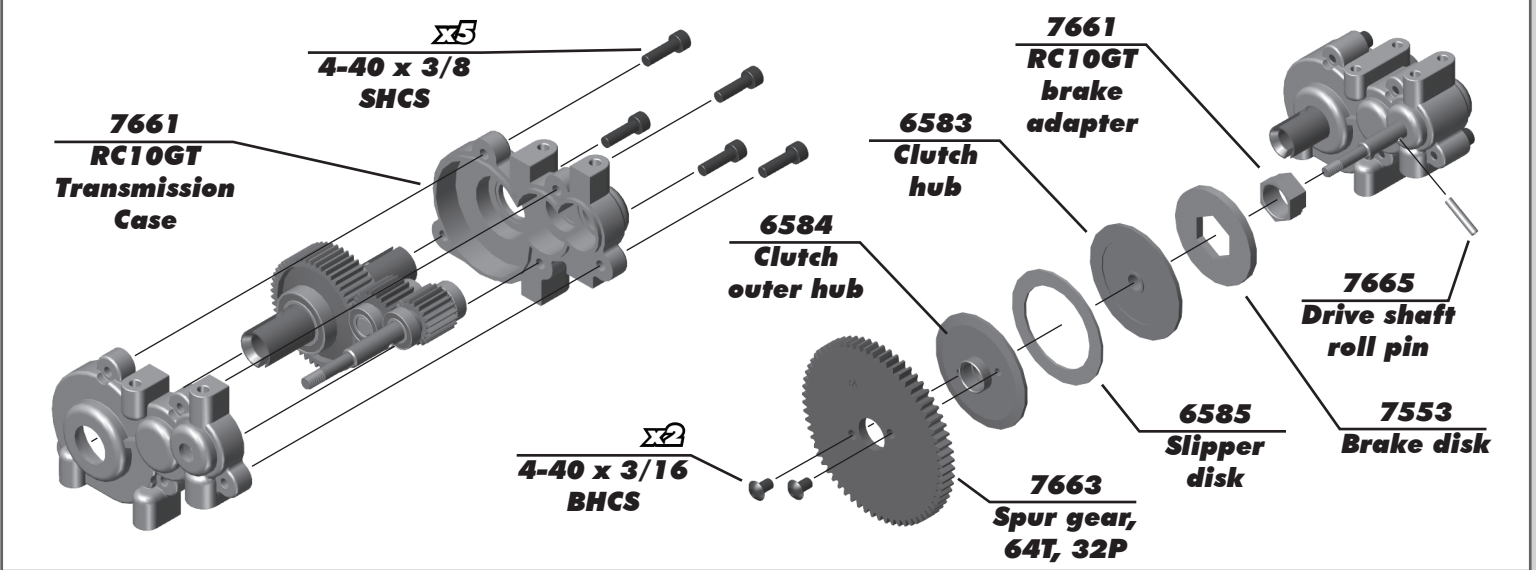
**:: Transmission Build - Bag C - Step 1**



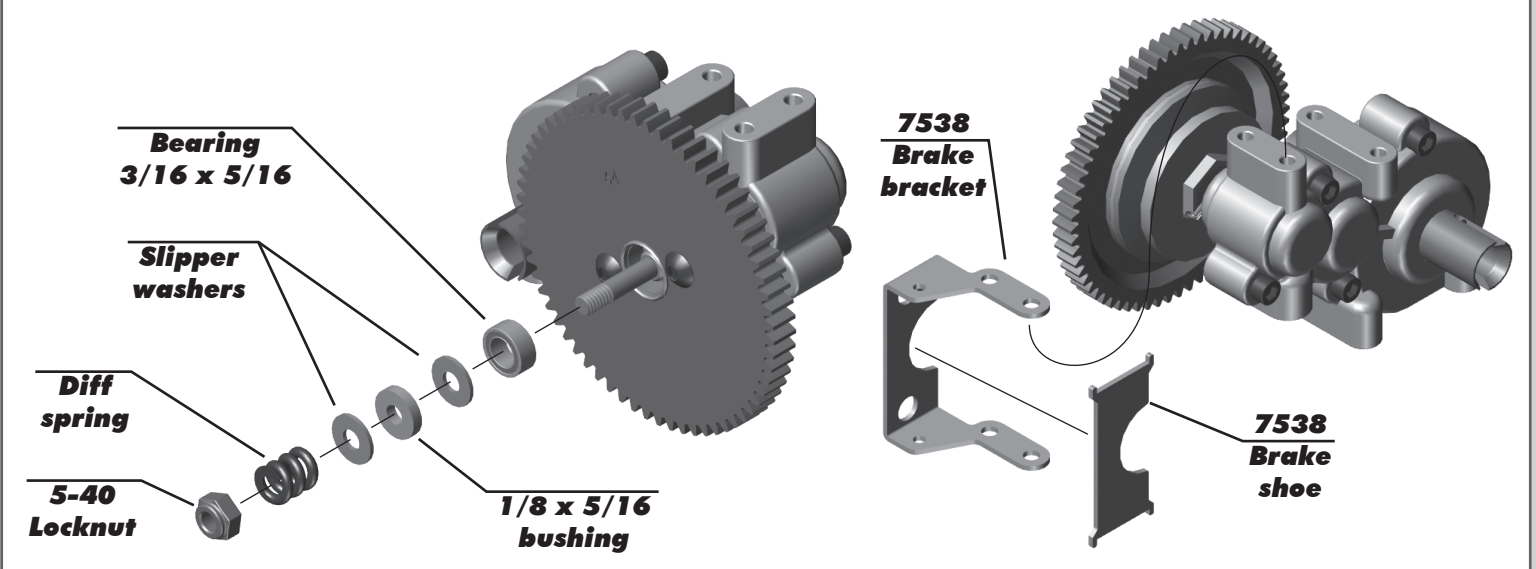
**:: Transmission Build - Bag C - Step 2**



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

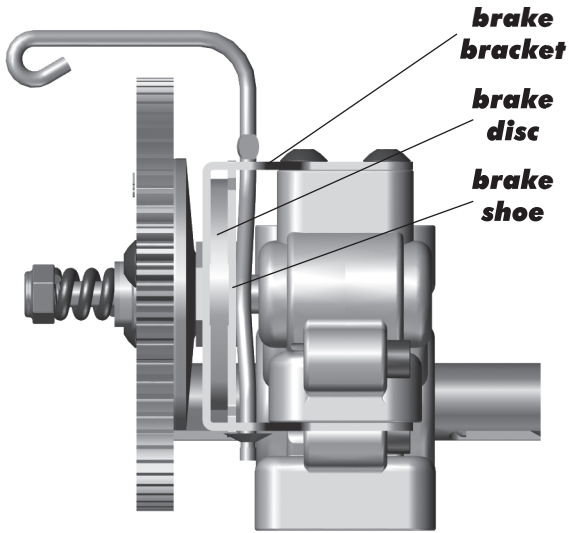


**:: Transmission Build - Bag C - Step 4**





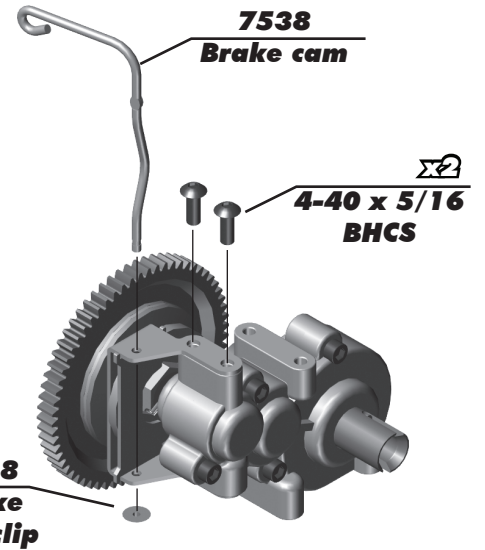
**:: Transmission Build - Bag C - Step 5**



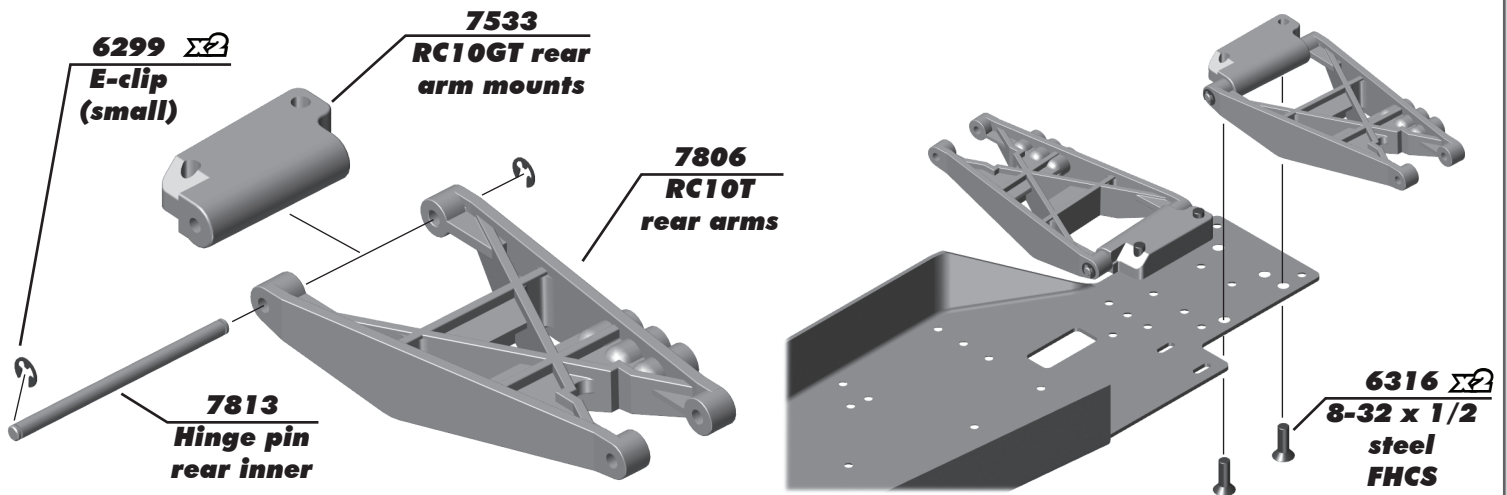
**INSTALL BRAKE BRACKET**

1) Slide the bracket assembly onto the transmission. Make sure the brake disc is centered between the bracket and brake shoe as shown.

2) Secure the bracket to the transmission as shown, using two 4-40 x 5/16 BHCS screws in the top holes of the brake bracket.

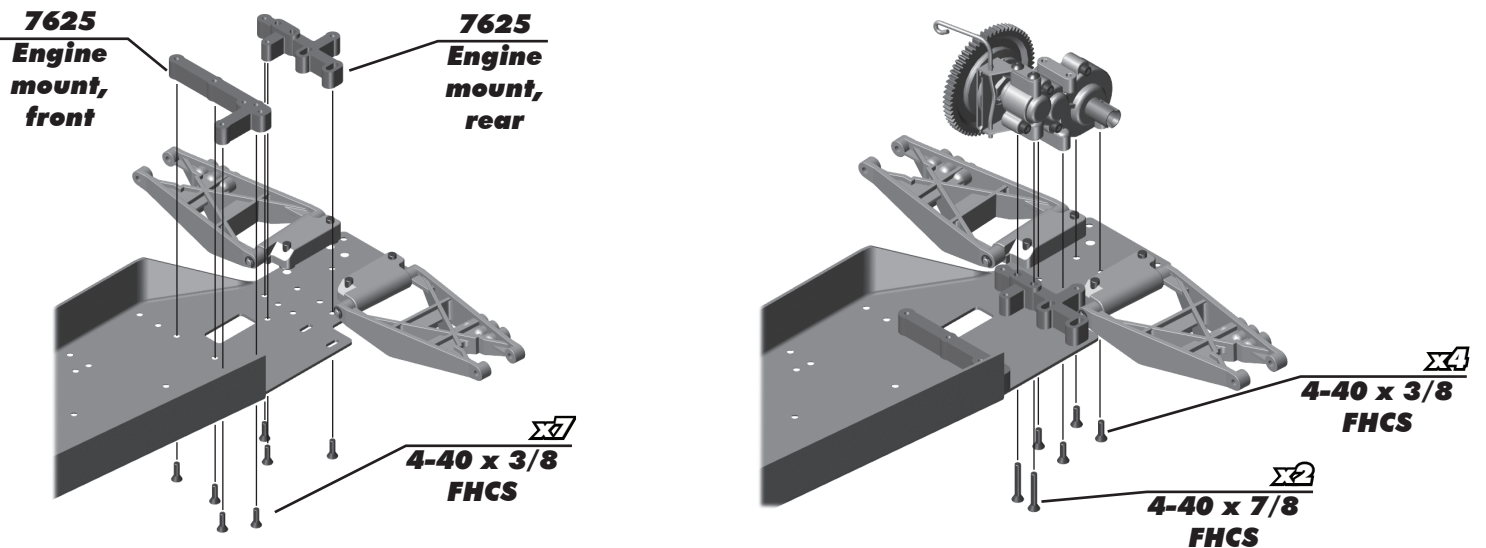


**:: Rear End Build - Bag D - Step 1**

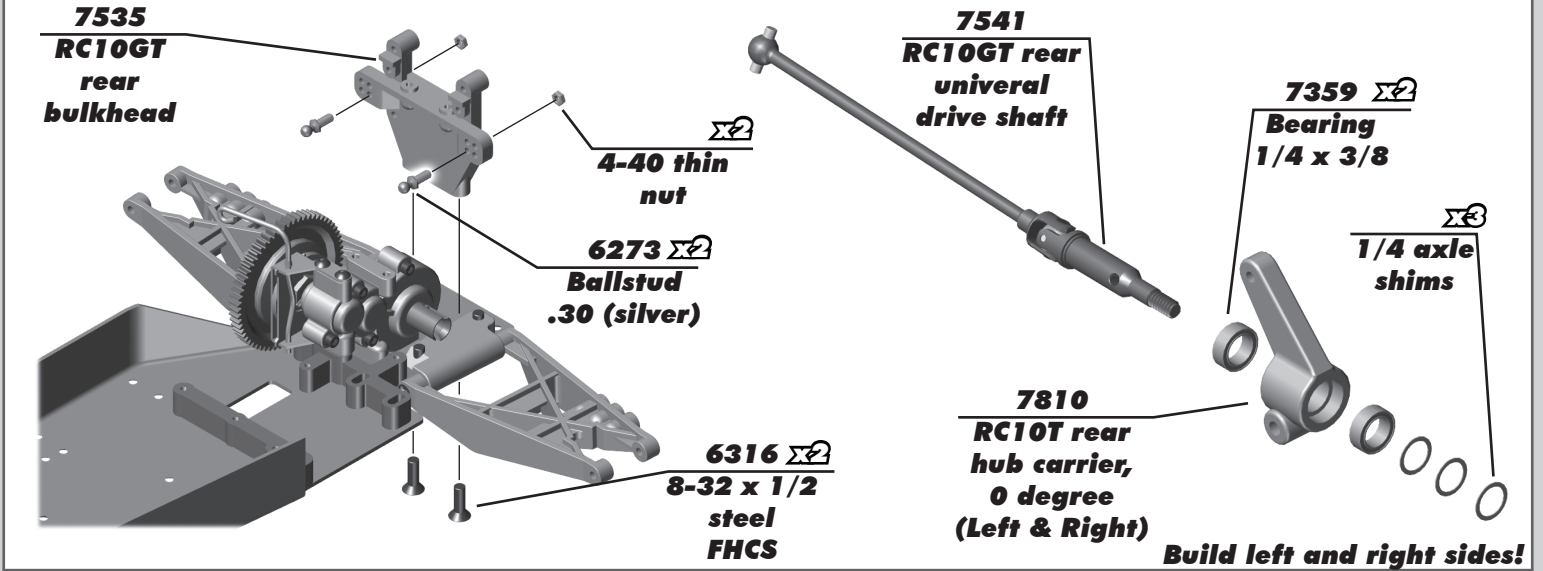


**Build left and right sides!**

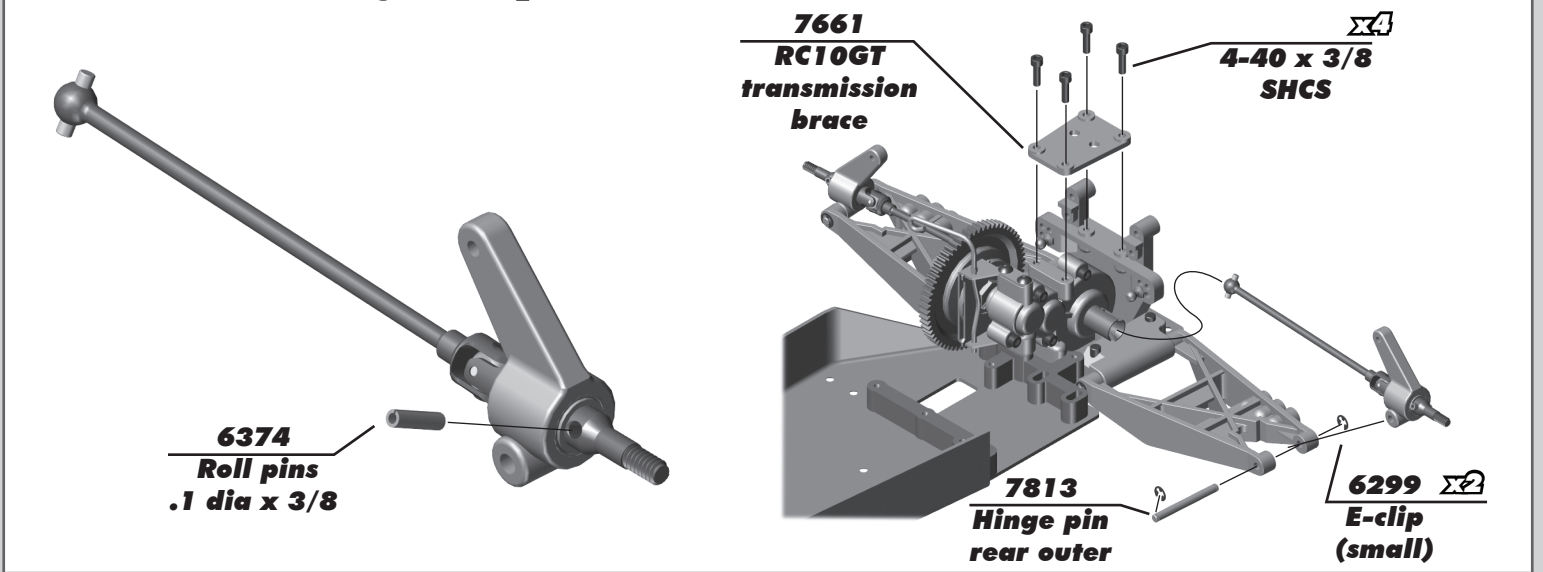
**:: Rear End Build - Bag D - Step 2**



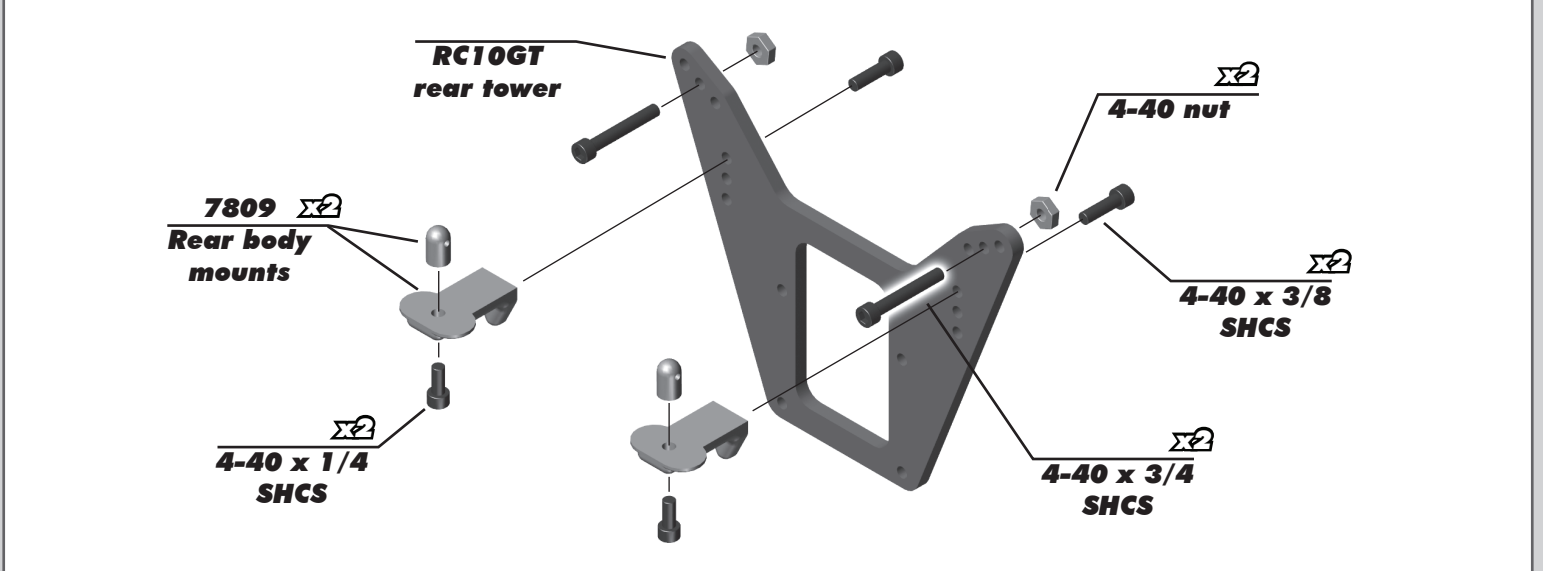
**:: Rear End Build - Bag D - Step 3**



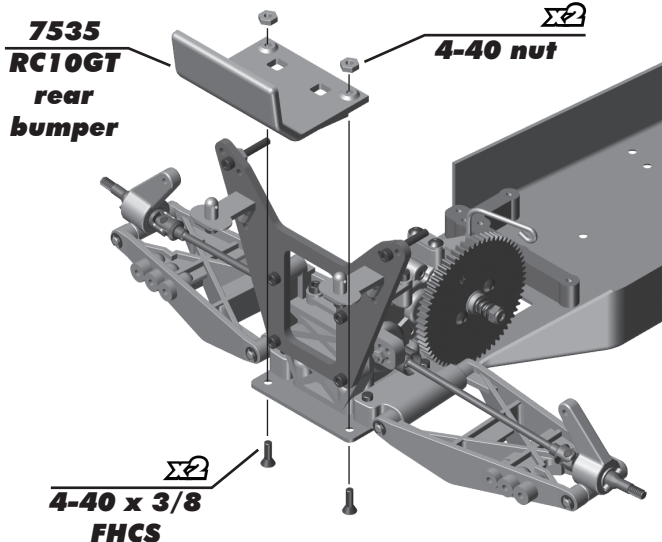
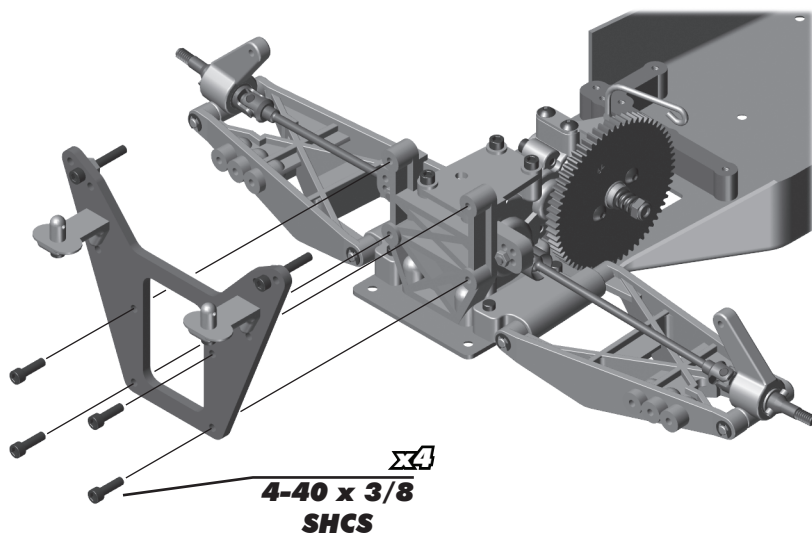
**:: Rear End Build - Bag D - Step 4**



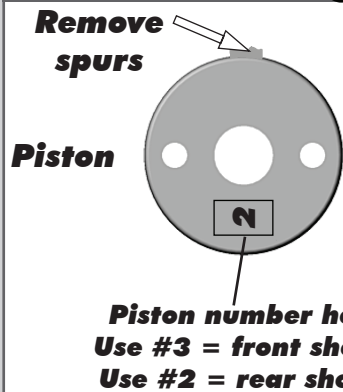
**:: Rear End Build - Bag D (bag A for rear body mounts & screws - Step 5**



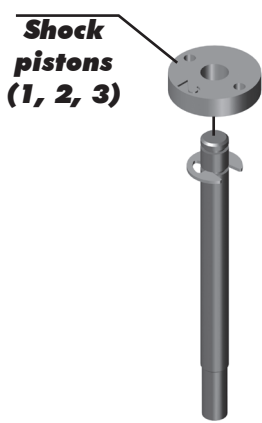
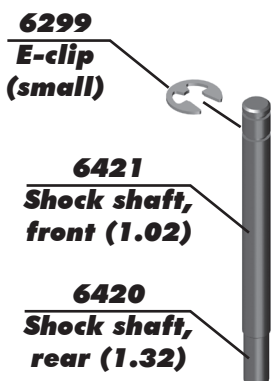
**:: Rear End Build - Bag D - Step 6**



**:: Shocks Build - Bag E - Step 1**

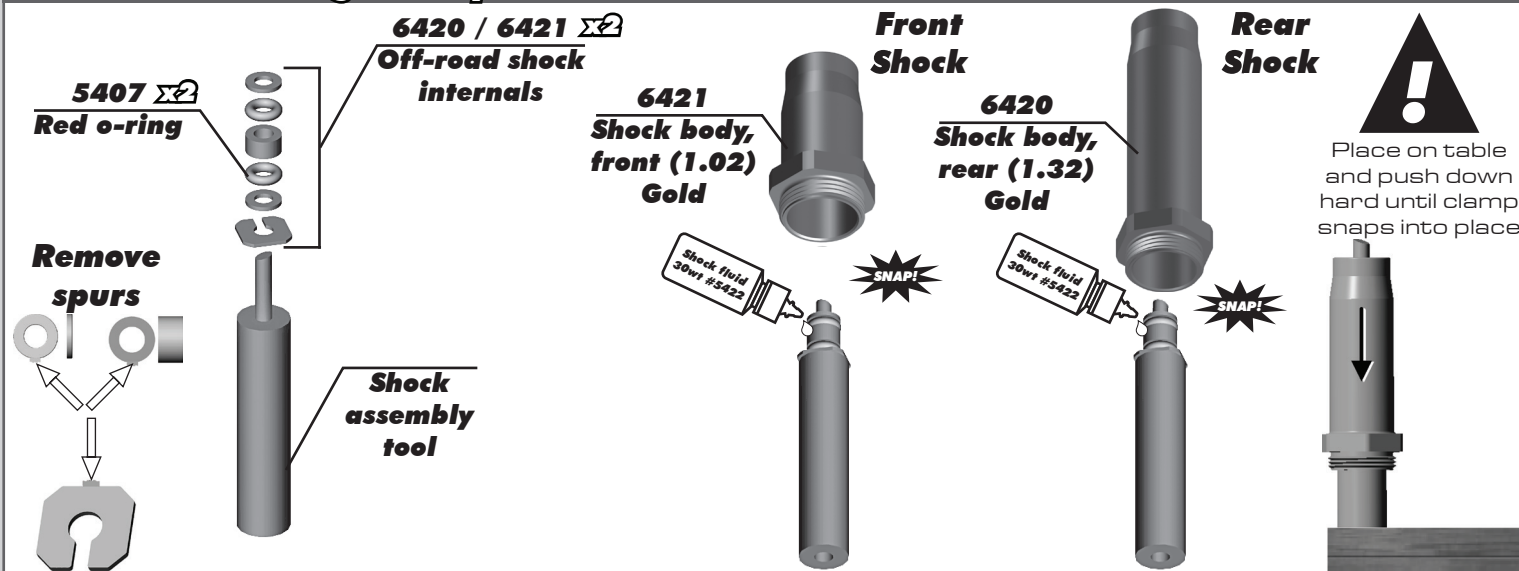


**TIP:** Use marker to mark the piston numbers for easy identification!

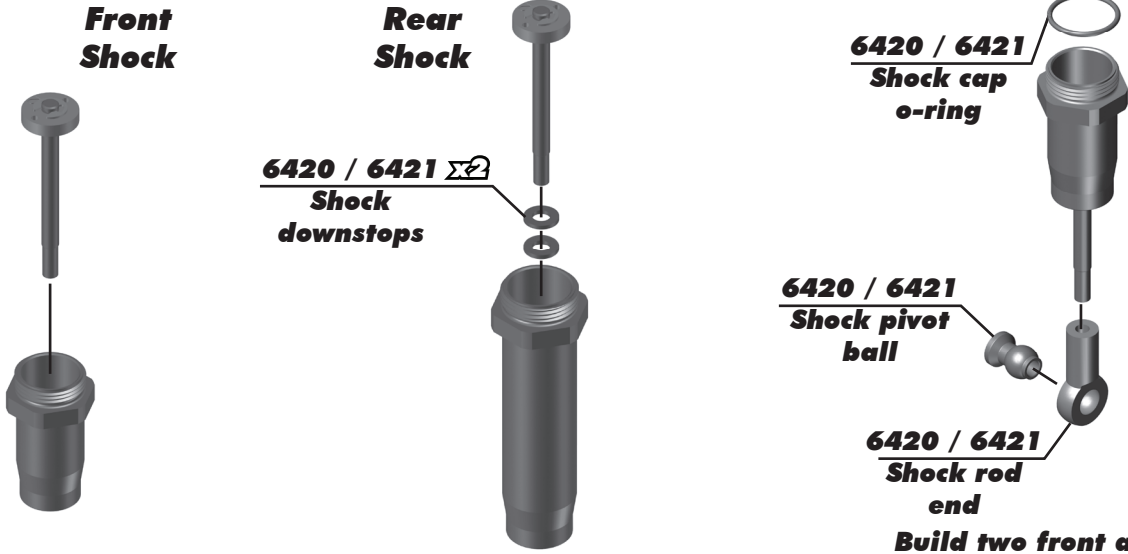


**Build two front and two rear!**

**:: Shocks Build - Bag E - Step 2**

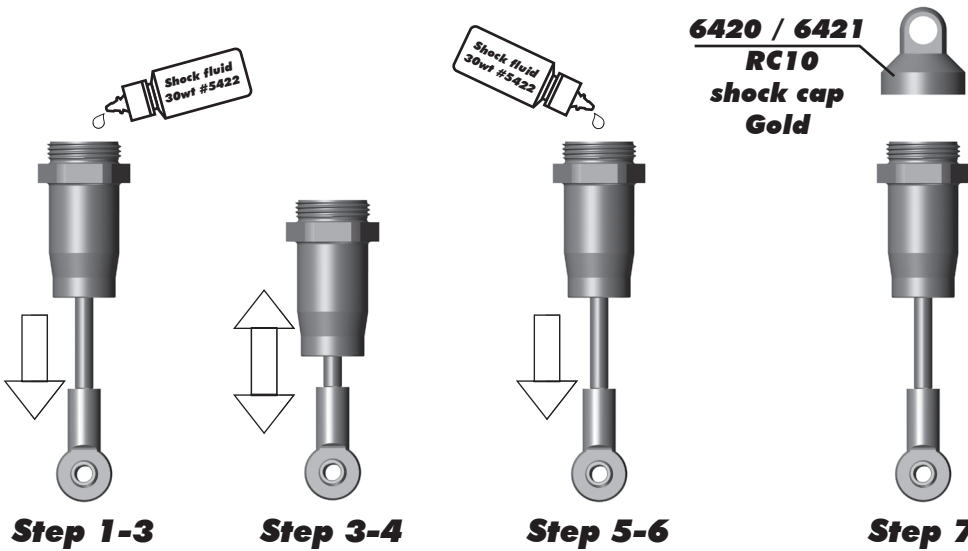


**:: Shocks Build - Bag E - Step 3**



**Build two front and two rear!**

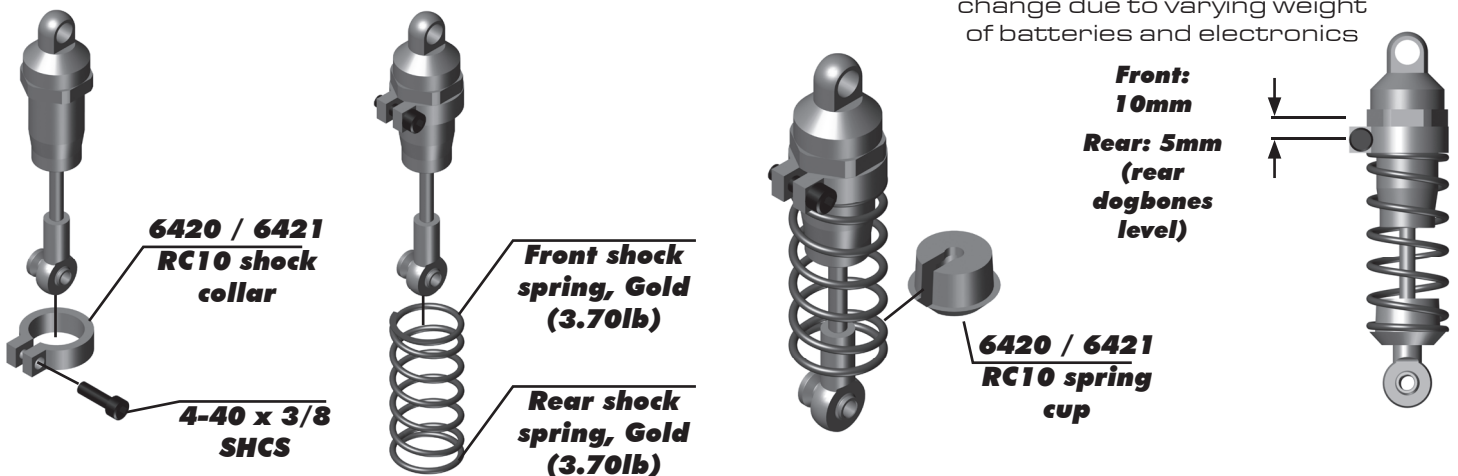
**:: Shocks Build - Bag E - Step 4**



\* Shock Bleeding Steps:

1. Pull shock shaft down.
2. Fill shock body 3/4 full with silicone fluid.
3. Slowly move the shock shaft up and down to remove air from under piston.
4. Wait for bubbles to come to surface.
5. Fill shock body to top with silicone fluid.
6. Place several drops of oil in the cap and on cap threads.
7. Install cap and tighten completely.
8. Slowly compress shaft all the way to the top. If there is pressure at the top of the stroke, there is too much oil. You must bleed it out.
9. Slowly pull shaft down.
10. Unscrew the cap 3/4 turn and tilt the shock at a slight angle.
11. Slowly compress the shaft to push out excess oil and air. You should see bubbles coming out from under the cap.
12. With the shaft compressed, tighten the cap and re-check for pressure at the top of the stroke. If there is still pressure, repeat steps 9 thru 11.

**:: Shocks Build - Bag E - Step 5**

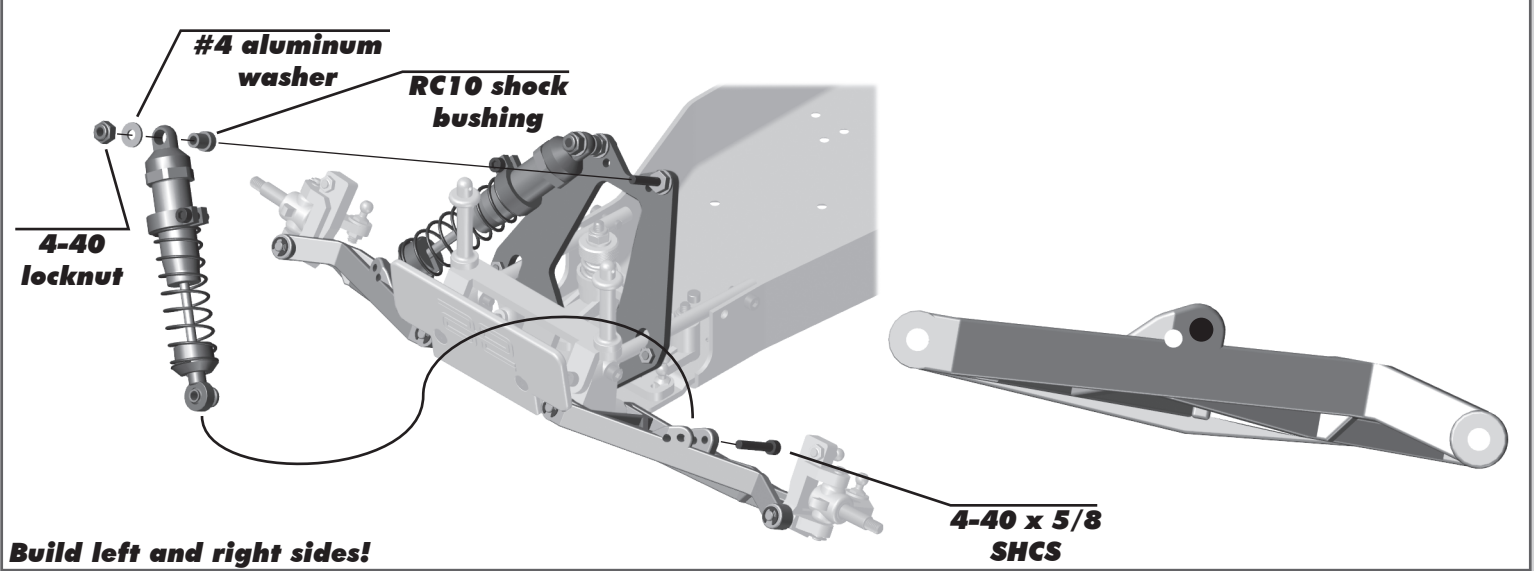


\*Ride height setting may change due to varying weight of batteries and electronics

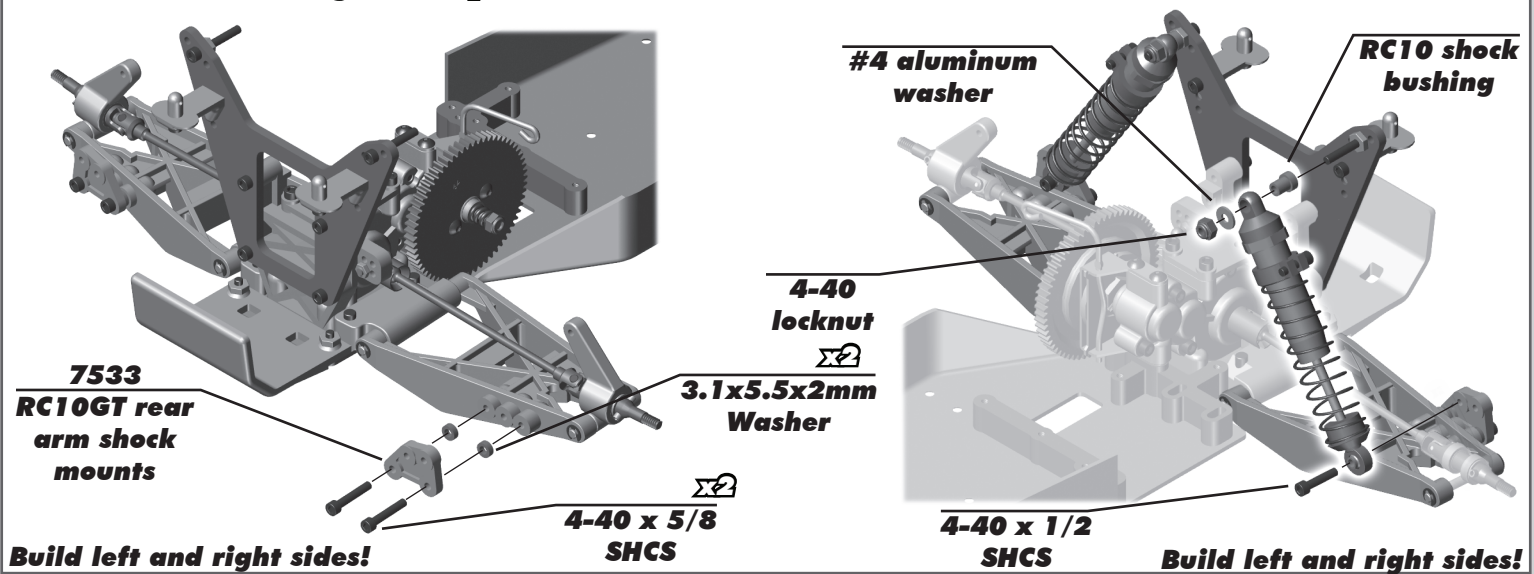
**Front:  
10mm  
Rear: 5mm  
(rear dogbones level)**

**Build two front and two rear!**

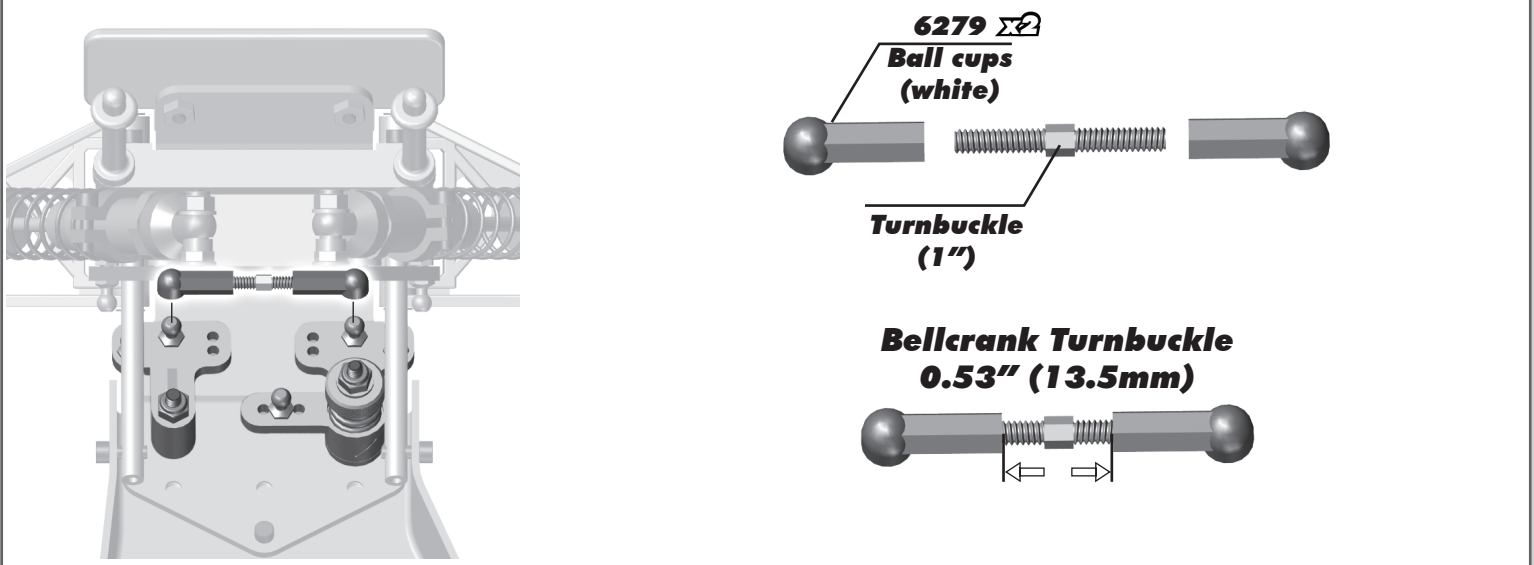
**:: Shocks Build - Bag E - Step 6**



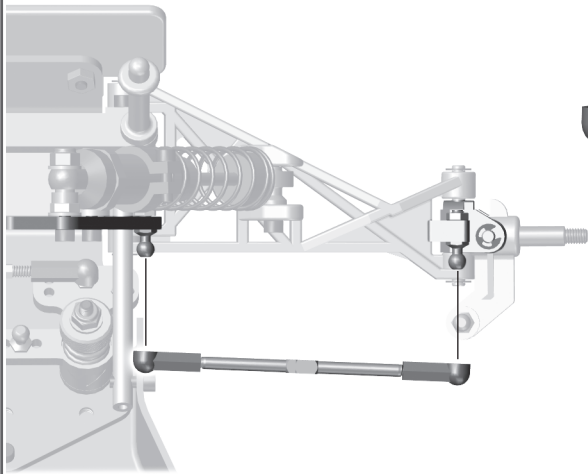
**:: Shocks Build - Bag E - Step 7**



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



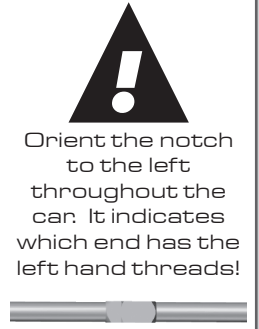
**:: Turnbuckles Build - Bag F - Step 2**



**Front Camber Turnbuckle  
1.95" (49.5mm)**

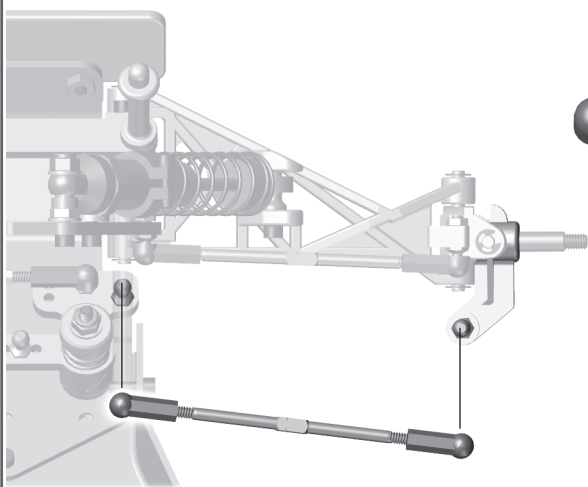


Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.

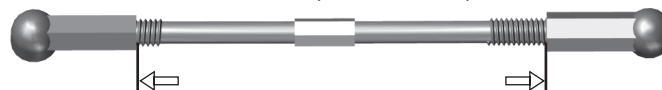


**Build left and right sides!**

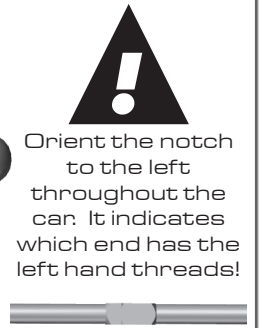
**:: Turnbuckles Build - Bag F - Step 3**



**Steering Turnbuckle  
2.14" (54.5mm)**

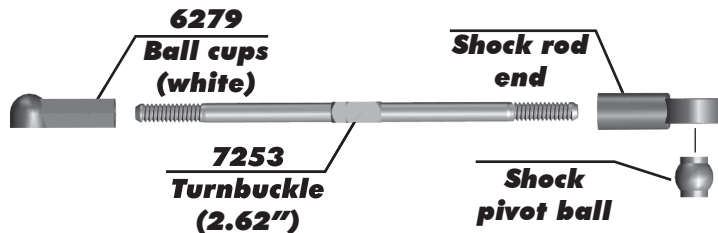
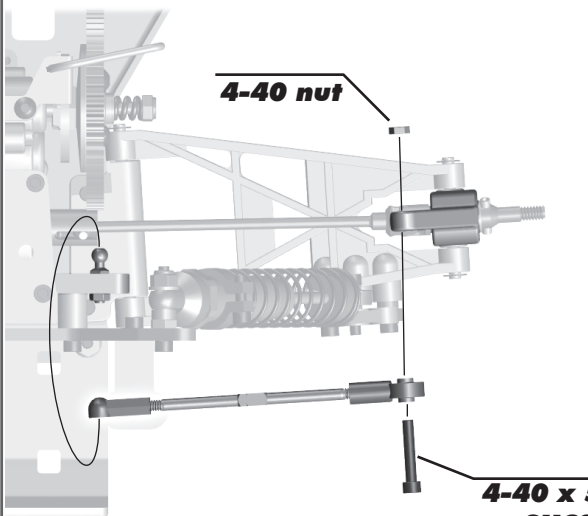


Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.



**Build left and right sides!**

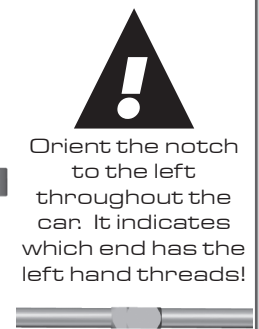
**:: Turnbuckles Build - Bag F - Step 4**



**Rear Camber Turnbuckle  
1.98" (50.5mm)**



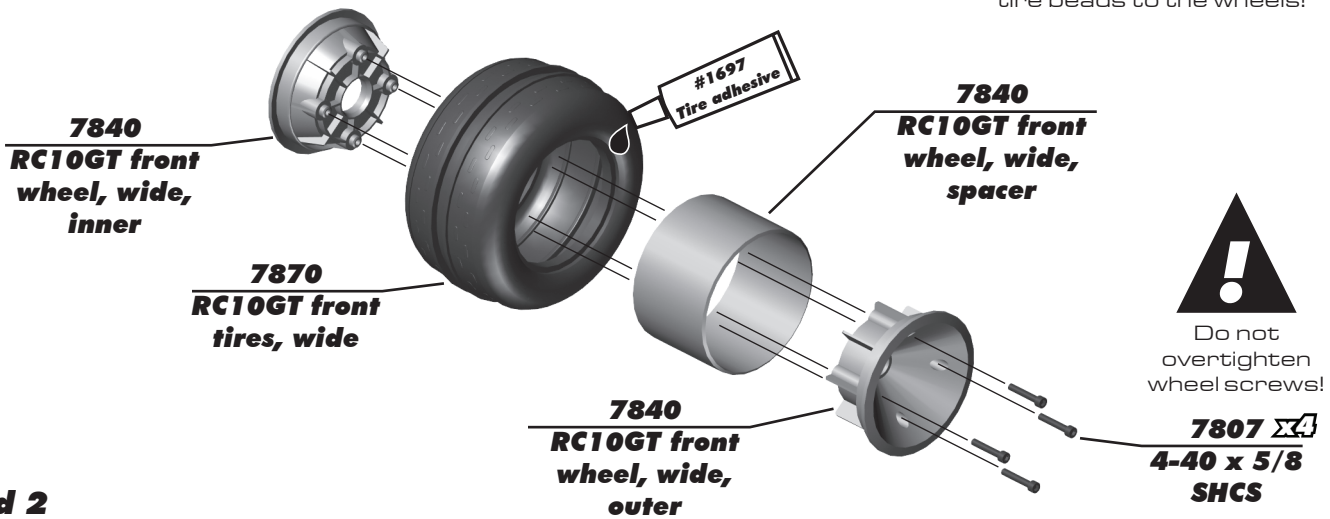
Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.



**Build left and right sides!**

**:: Wheel and Tire Build - Bag G - Step 1**

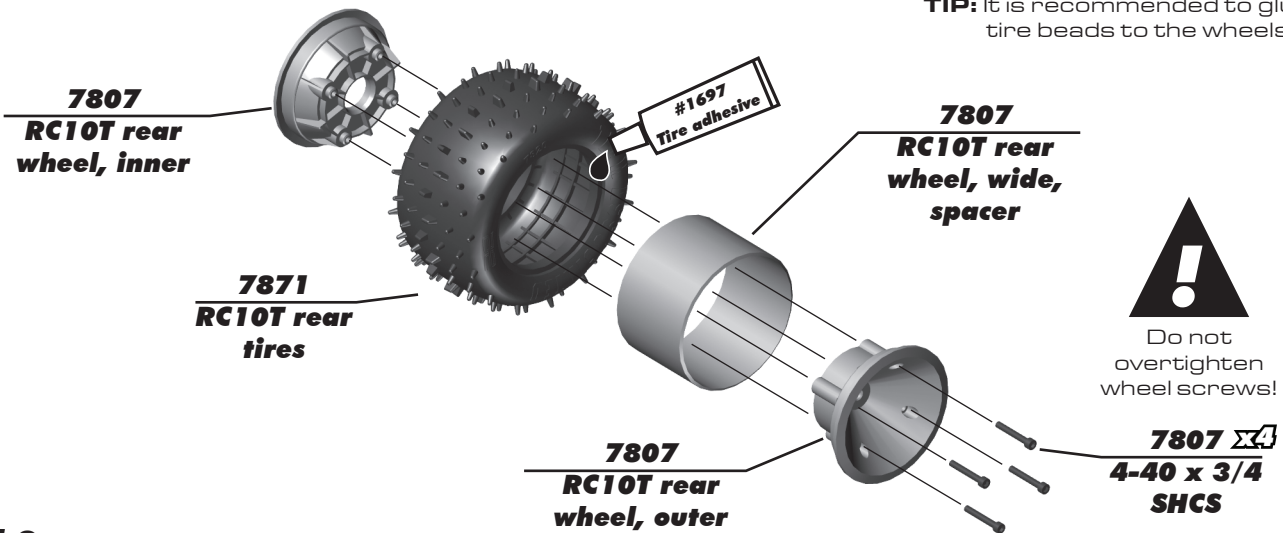
**TIP:** It is recommended to glue the tire beads to the wheels!



**Build 2**

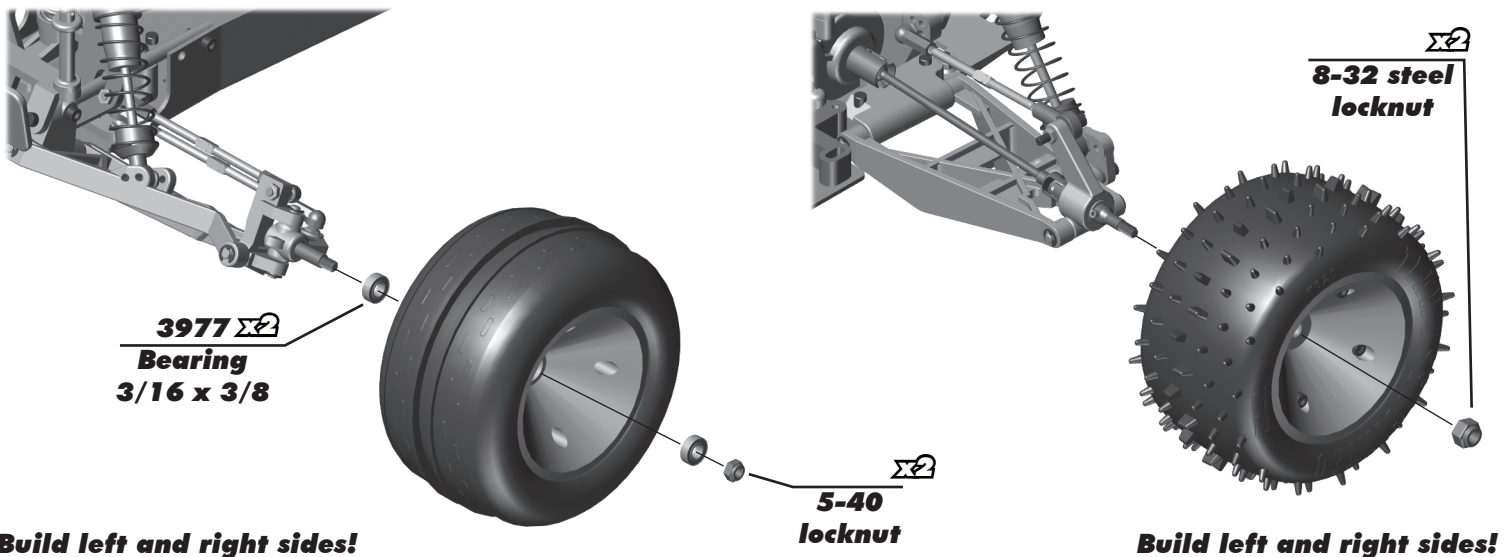
**:: Wheel and Tire Build - Bag G - Step 2**

**TIP:** It is recommended to glue the tire beads to the wheels!

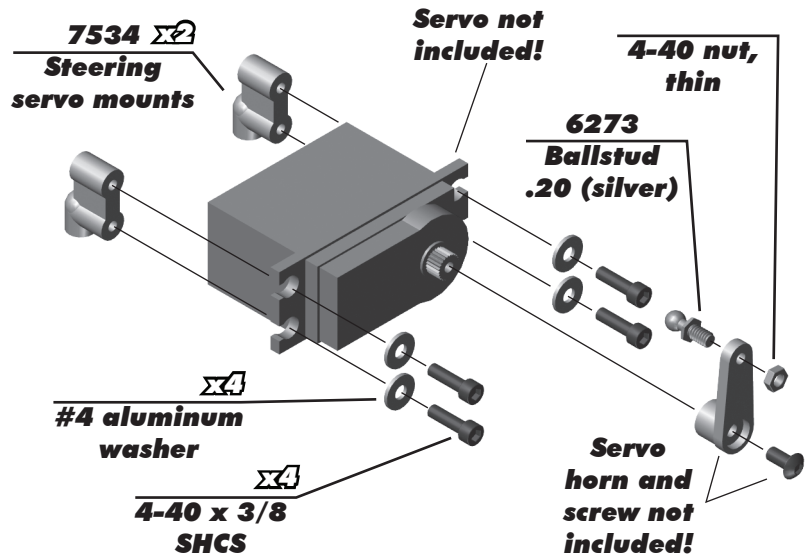
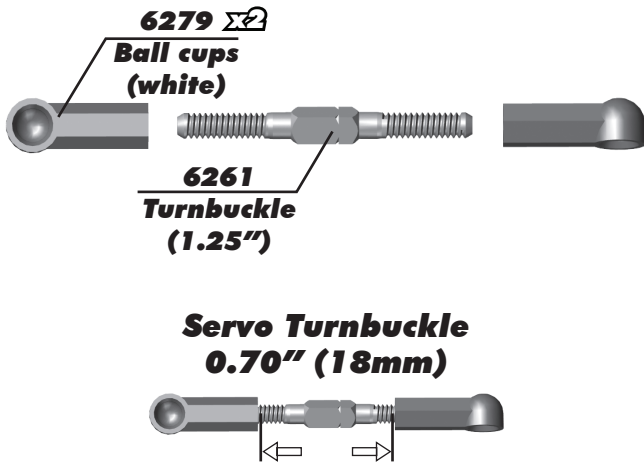


**Build 2**

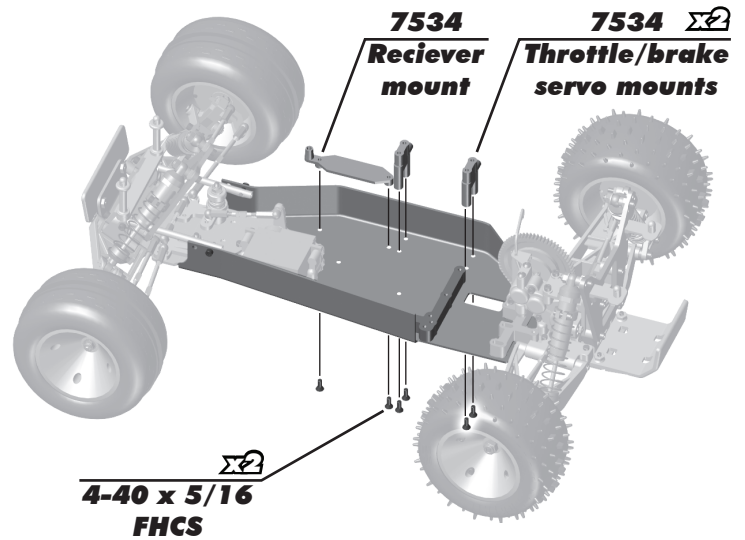
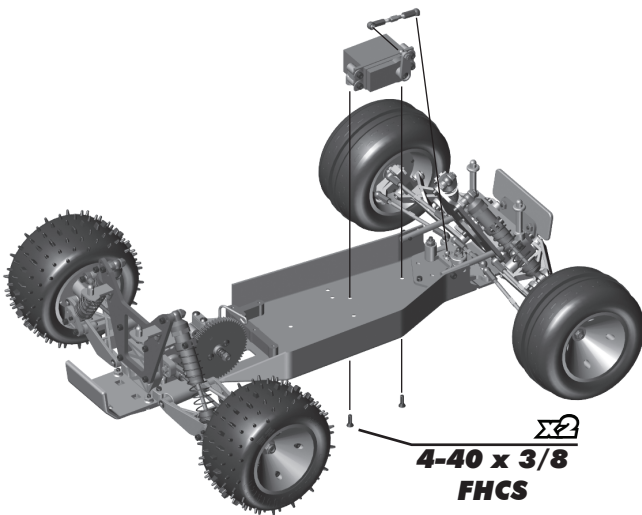
**:: Wheel and Tire Build - Bag G - Step 3**



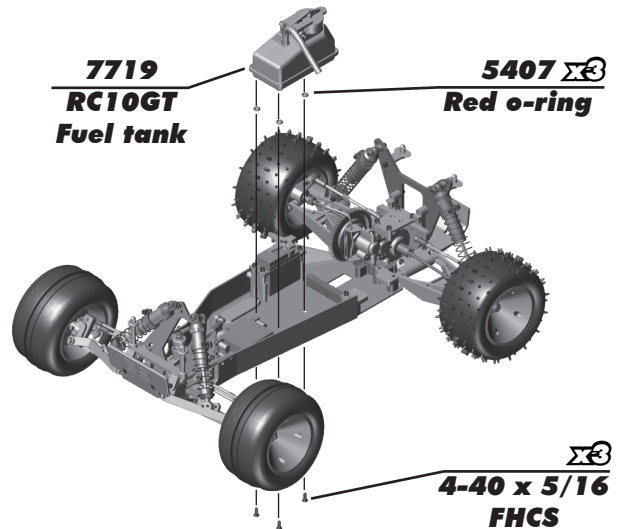
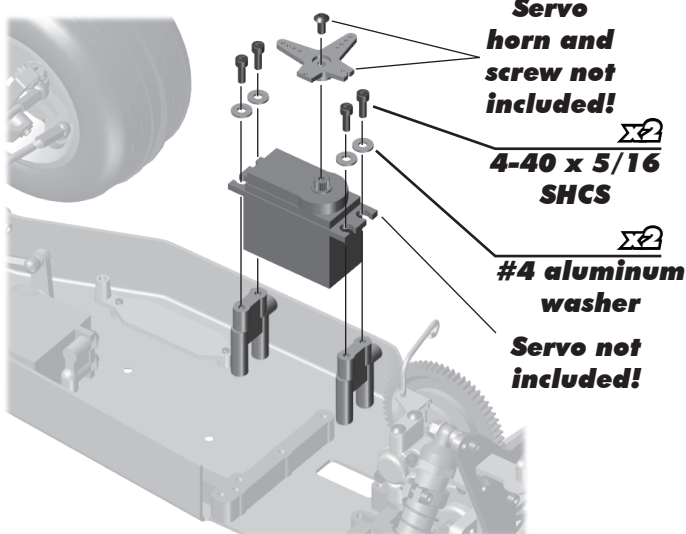
**:: Fuel Tank / Servo Build - Bag F / H - Step 1**



**:: Fuel Tank / Servo Build - Bag H - Step 2**

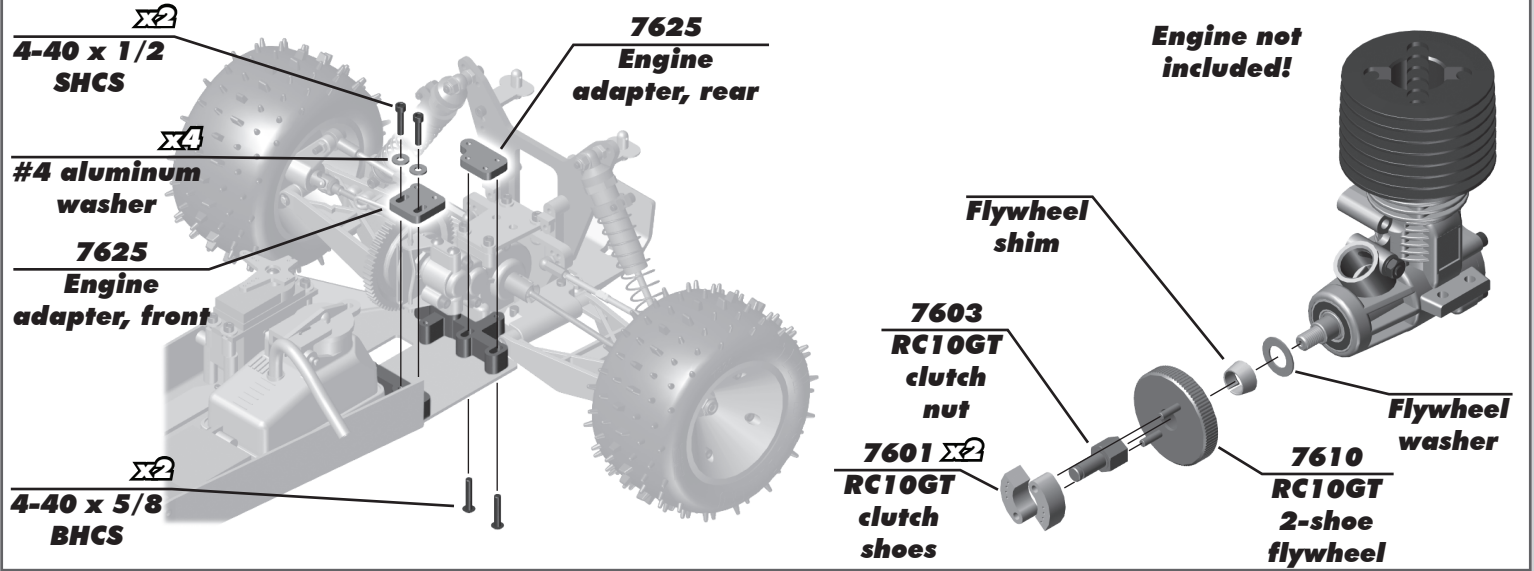


**:: Fuel Tank / Servo Build - Bag H - Step 3**

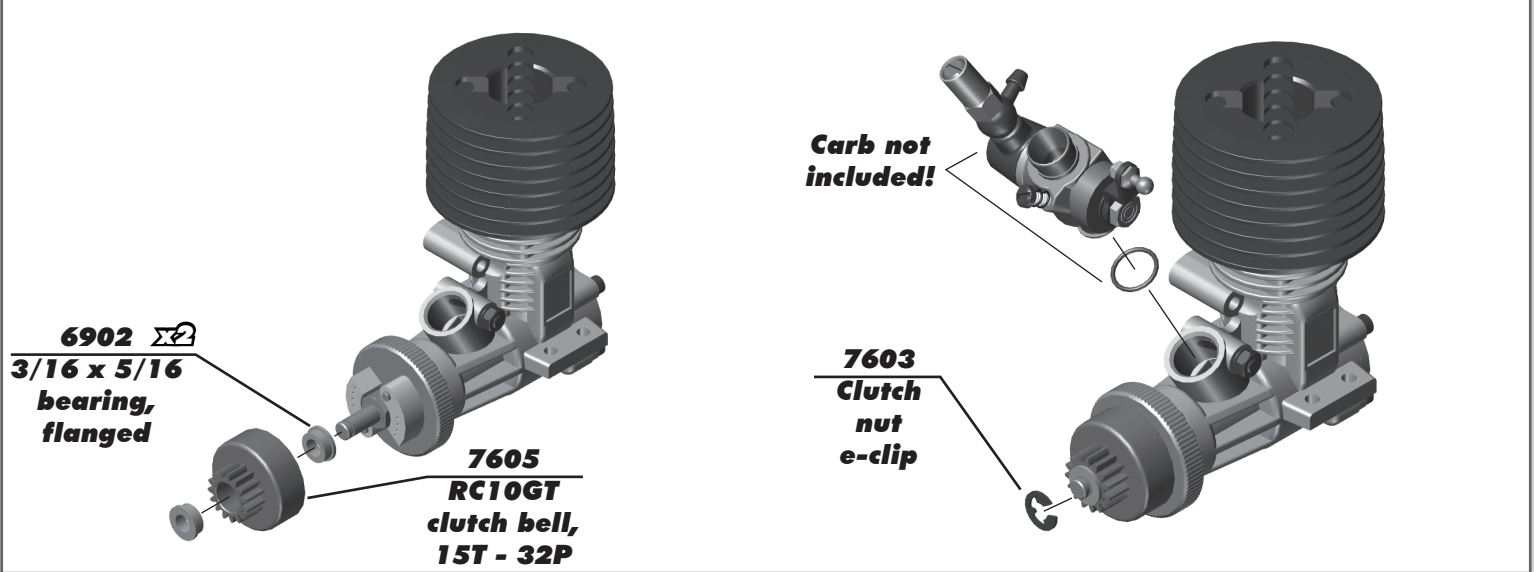




**:: Engine / Exhaust Install - Bag I - Step 1**



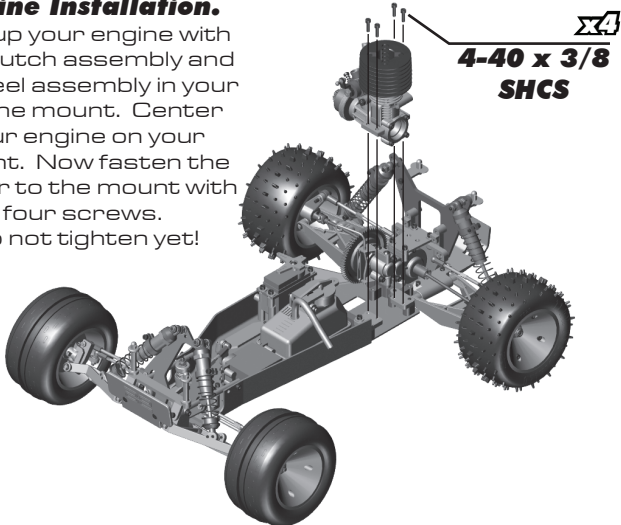
**:: Engine / Exhaust Install - Bag I - Step 2**



**:: Engine / Exhaust Install - Bag I - Step 3**

**Engine Installation.**

Line up your engine with the clutch assembly and flywheel assembly in your engine mount. Center your engine on your mount. Now fasten the motor to the mount with four screws. Do not tighten yet!

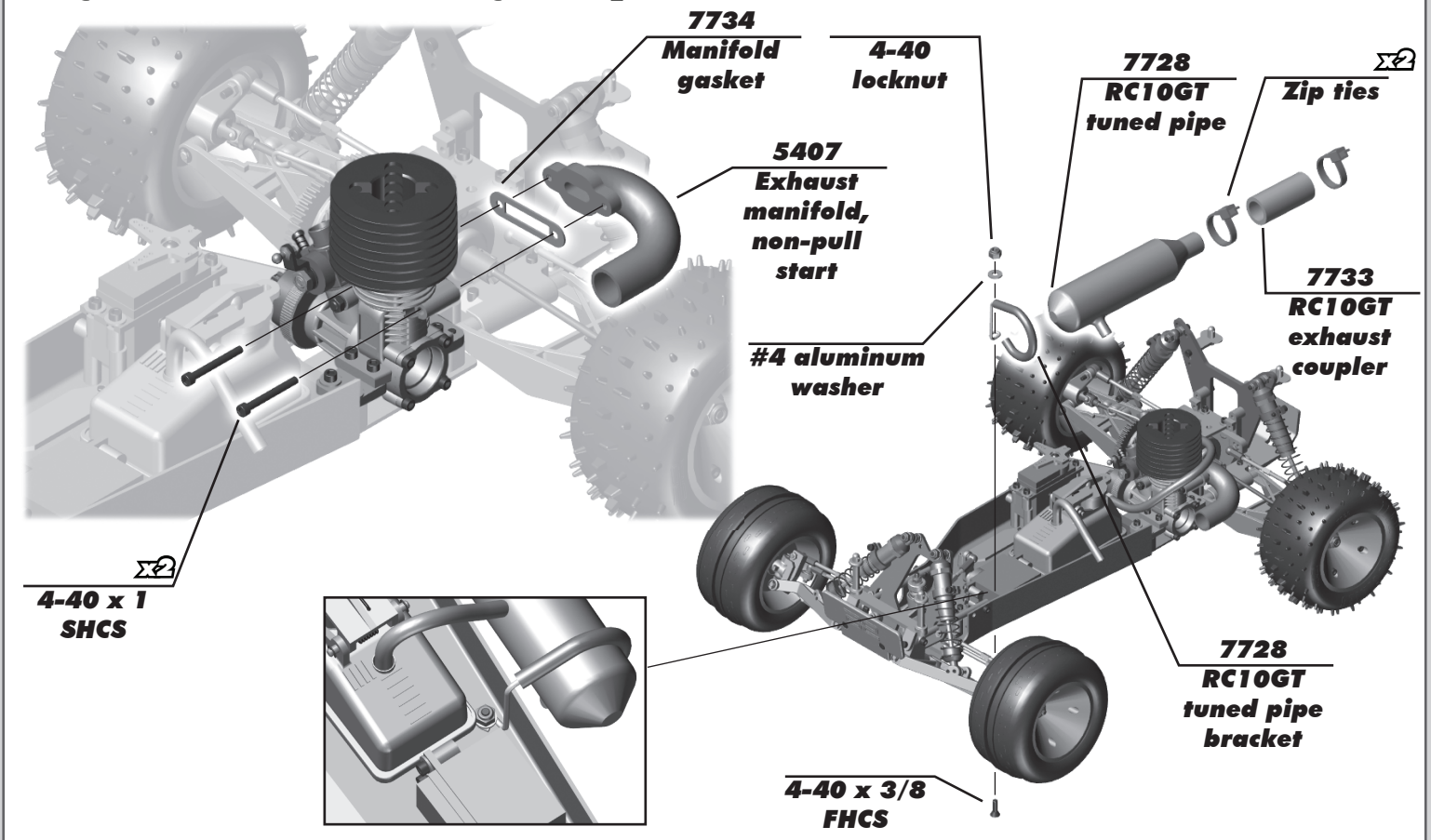


**Check gear mesh.**

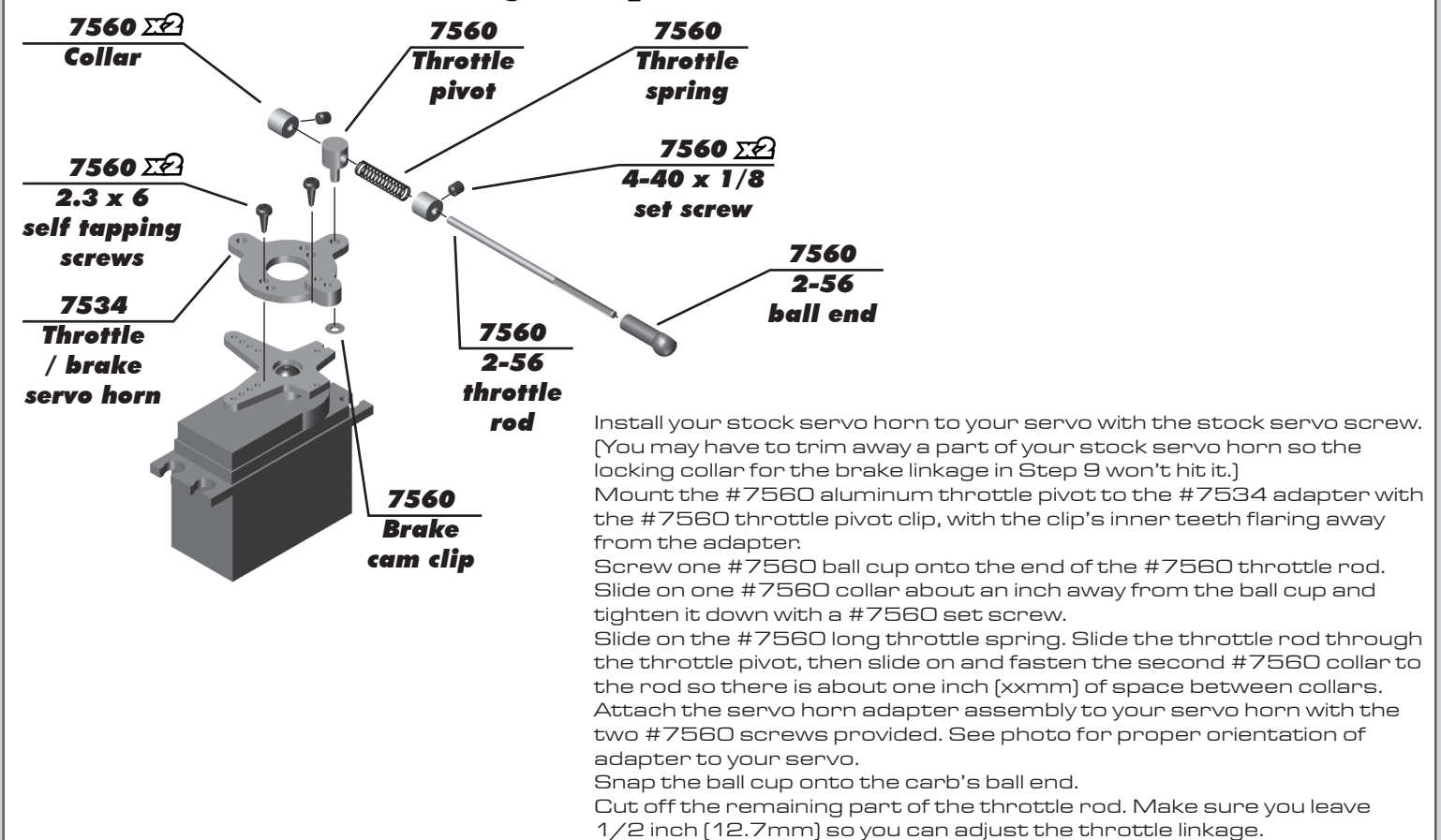
Set the gear-to-pinion gear spacing (gear mesh). Make sure you can still slide your engine mount, then mesh the clutch bell pinion with the spur gear. The correct gear spacing is when the pinion is as close to the spur gear as possible, but if you hold the pinion gear, you should still be able to rock the spur gear back and forth slightly with light pressure. Roll the gears and check the mesh in several different locations on the spur gear teeth to check if the spur gear is slightly out of round.



**:: Engine / Exhaust Install - Bag I - Step 4**



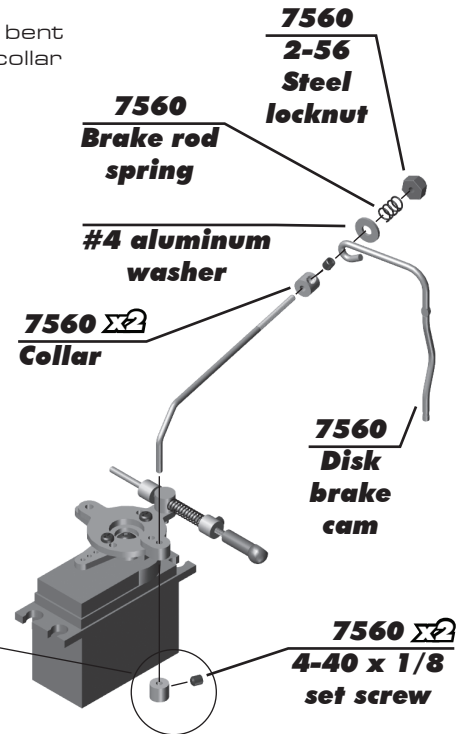
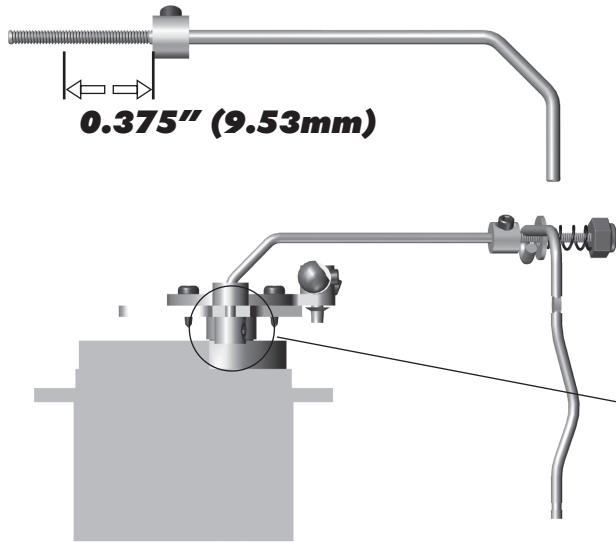
**:: Throttle and Brake Links - Bag J - Step 1**



**:: Throttle and Brake Links - Bag J - Step 2**

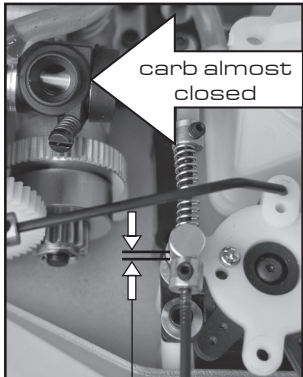
**BRAKE LINKAGE**

- 1) Add a #7560 collar onto the second rod and secure it about 3/8" [9.53mm] from the end of the threads. See drawing below.
- 2) Bend the brake rod according to the actual size drawing below, including the angled bend at the short side. Cut the rod to the length shown.
- 3) Slide the threaded end of the rod through the disc brake cam. Drop the bent end of the brake rod through the adapter hole shown. Attach a #7560 collar with a #6951 set screw to the end of the rod.
- 4) Slide on another 7560 collar with #6951 set screw, a #7560 washer, then the #4118 spring, then the #7560 locknut.
- 5) Tighten the locknut down until shown in the picture.



**:: Throttle and Brake Links - Bag J - Step 3**

**IDLE SETTING**

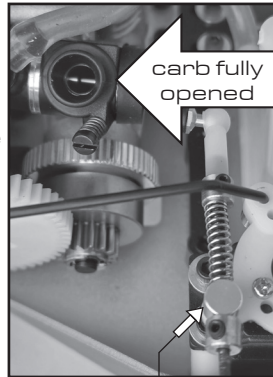


1) Small gap here

**Adjust the throttle linkage**

1) Turn on your transmitter then the kit's electronics (don't start the engine). When at idle (trigger of transmitter not pulled), adjust the collar near the adapter so there is up to 1/16" [1.58 mm] of space between the collar and pivot.

**FULL THROTTLE**

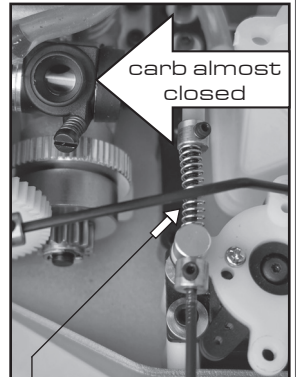


2)

2) Apply full throttle (pull the trigger of your transmitter all the way back). Your carb should be fully open. If it is not, then adjust the collar nearest to the adapter. [You may also adjust your throttle trim according to your radio's instructions.]

3) Now apply the brake. Your carb should be at idle position. The spring should not be completely compressed.

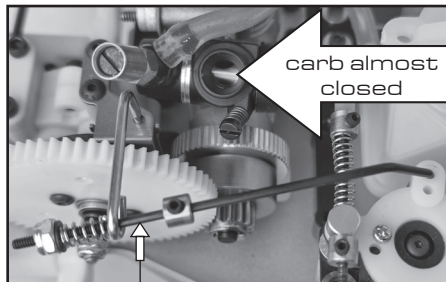
**BRAKE APPLIED**



3) Should not be fully compressed

4)

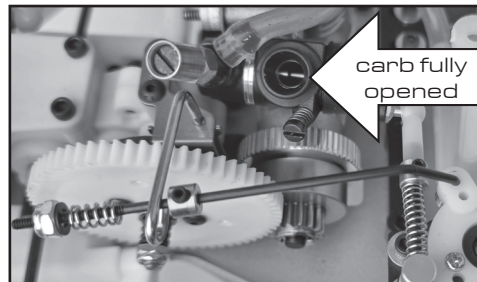
**IDLE SETTING**



4) Small gap here

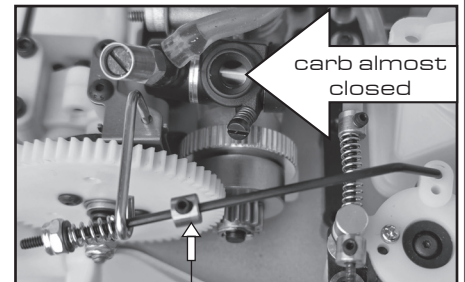
5)

**FULL THROTTLE**



6)

**BRAKE APPLIED**



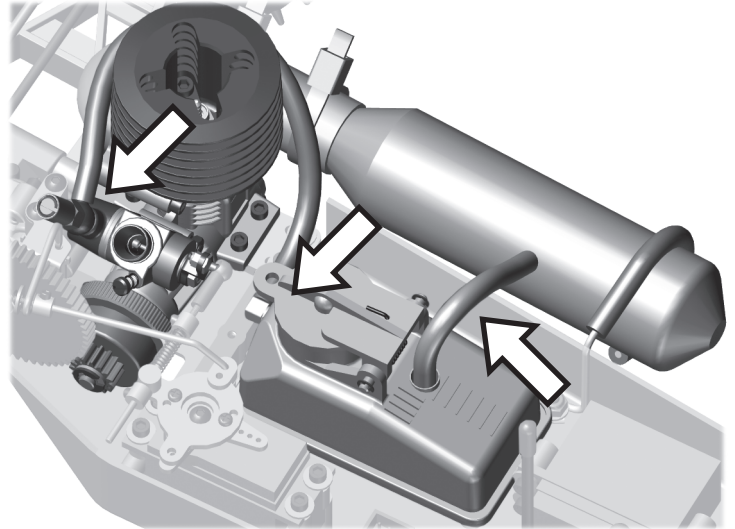
6)

## :: Fuel Tubing Install - Bag Misc. - Step 1

### FUEL TUBING

Slide one end of the #7724 fuel tubing onto the fuel tank outlet fitting. Bring the other end of the tubing over to the other fitting. When you have the correct length without kinks in the tubing or rubbing against other parts of the truck, then mark the fuel tubing and cut it to that length. Again check to make sure the fuel line clears the spur gear or any other parts.

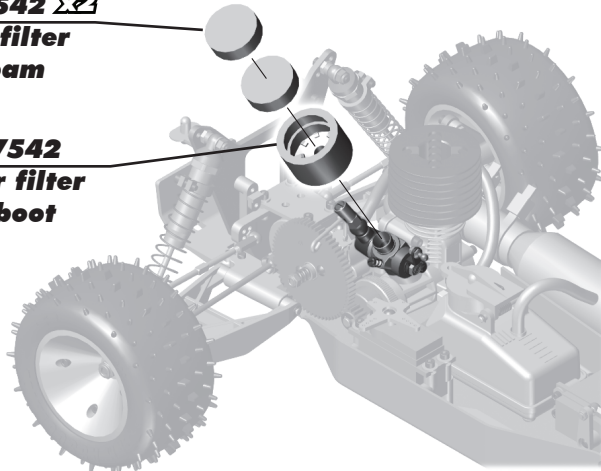
Install the tubing into the fitting on the top of the fuel tank. Take one of the small wire ties and loop it around the muffler bracket, leaving as large a loop in it as possible. Take your fuel tubing and run it through the wire tie, then loop it around and bring it back through the same side of the wire tie again. Now take the end of the tubing and squeeze it into the hole in the tuned pipe muffler about  $\frac{3}{8}$ ". Now tighten the wire tie, but not so tight that it will begin to compress the tubing. Cut off the end of the wire tie.



## :: Air Filter Install - Bag Misc. - Step 1

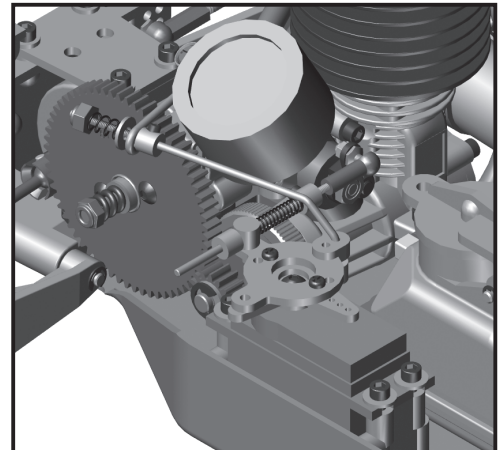
**7542**  $\times 2$   
Air filter  
foam

**7542**  
Air filter  
boot

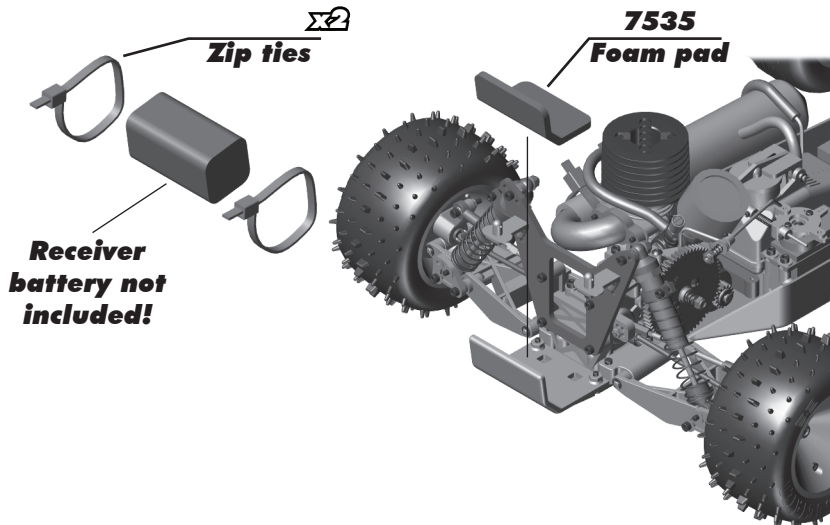


**!**  
Pre-lube the air filter  
outer elements

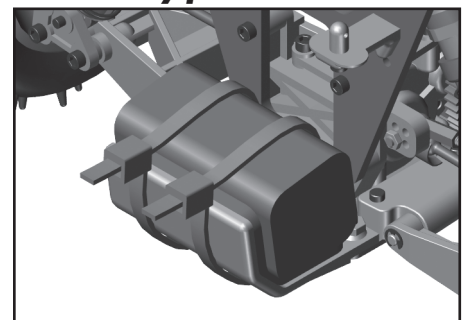
**Zip tie the air filter boot to the carb.**



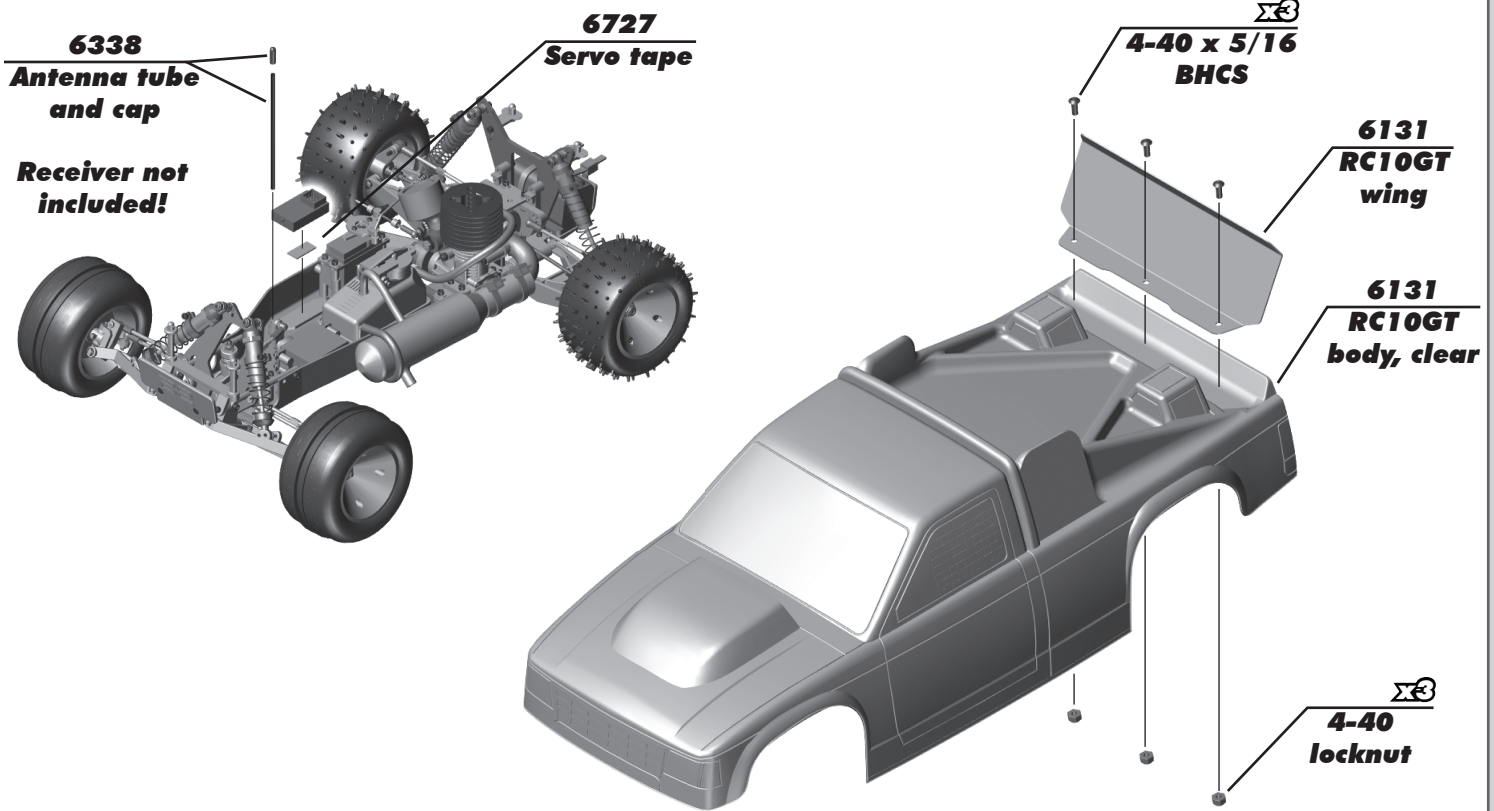
## :: Receiver Battery Pack - Bag D, I, Misc. - Step 1



**Run zip ties thru the openings of the rear bumper and around the receiver battery pack as shown.**



## :: Antenna, Receiver, Body Install - Step 1



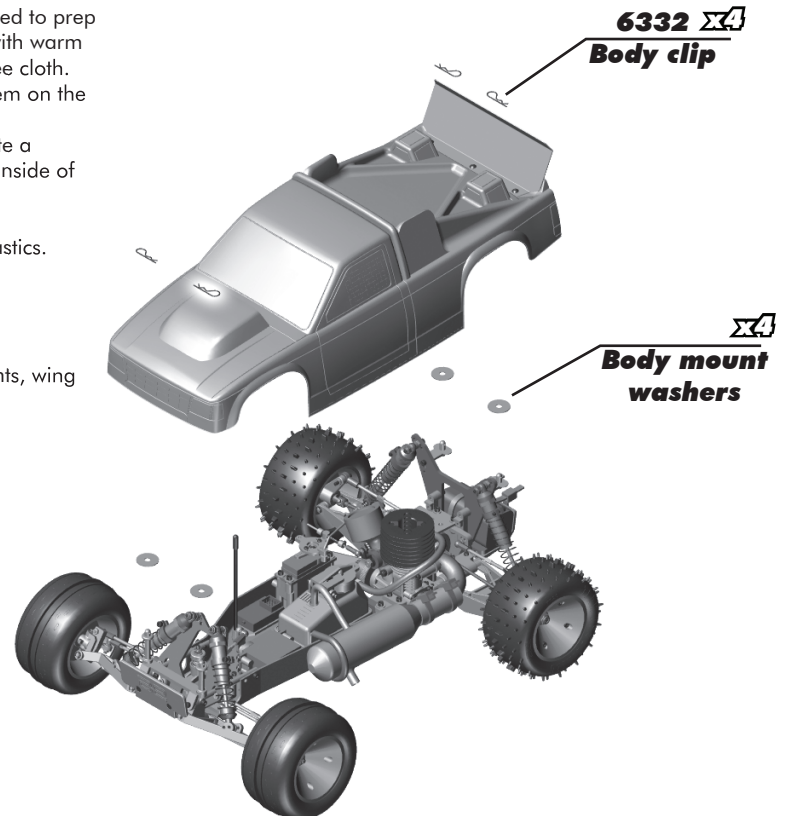
## :: Antenna, Receiver, Body Install - Step 2

### Painting Tips:

Your RC10T 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 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 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!



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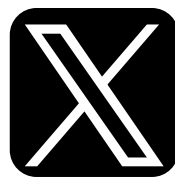
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