

TEAM ASSOCIATED

1/12 SCALE ELECTRIC
COMPETITION RC CAR

INSTRUCTION MANUAL
#4022



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 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.

:: RC12L Kit Features

- Faithful reproduction of the original RC12 released in 1986
- Carbon fiber chassis
- Carbon fiber damper plate
- Carbon fiber lower bracket
- Authentic RC12 front suspension geometry for even tire wear
- Coil spring sliding suspension
- Adjustable rear axle height
- CNC machined alloy rear bulkhead (right side)
- Varilok differential
- Countersunk chassis
- Cap bolt tweak adjusters for precise load settings
- Ball joint supported T-bar for controlled flex
- 360 degree adjustable shock dampener
- Super light front and rear racing wheels
- T.o.J. clear body included
- Racing foam tires included (un-mounted)
- 32 pitch spur gear and pinion included
- Natural white molded parts throughout
- Full ball bearings included
- Exclusive vintage decal sheet

:: Additional

Your new RC12L 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
- 6 Cell NiCad Battery (3x3 saddle pack style)
- 2mm Hex Driver (AE #1501)
- Thread Lock (AE #1596)
- Pinion gear, size to be determined by type and wind of motor you use
- R/C Electric Motor
- Peak detection battery charger
- 5.5mm Hex Driver (AE #1507)
- Polycarbonate specific paint

Tools included:

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

:: Other Helpful Items

- Tire Adhesive (AE #1697)
- 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 / Solder

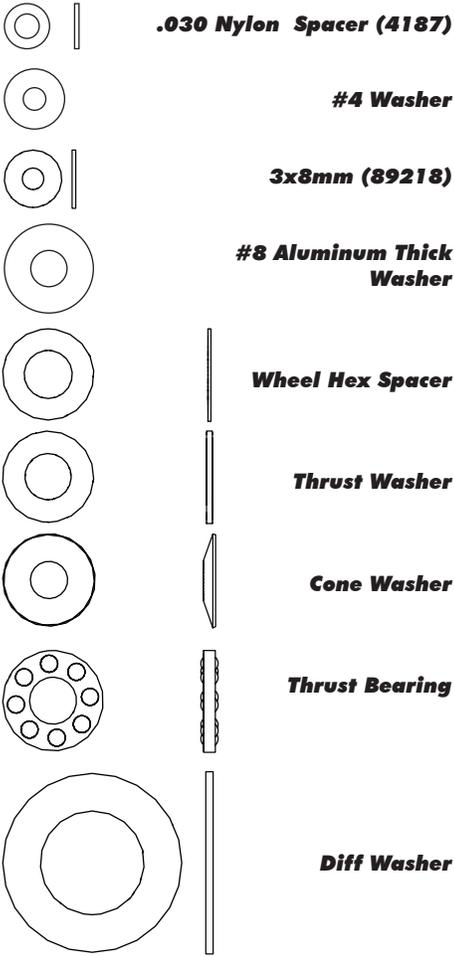
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Lake Forest, CA 92630



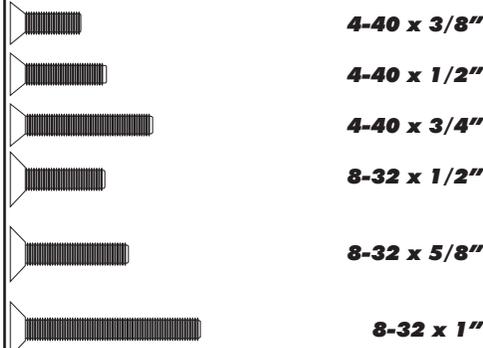
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:: Hardware - 1:1 Scale View

Shims and Washers



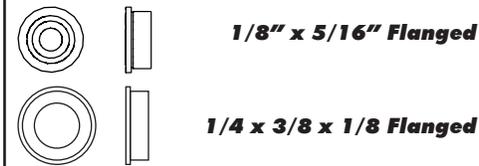
Flat Head (fhcs)



Cap Head (shcs)



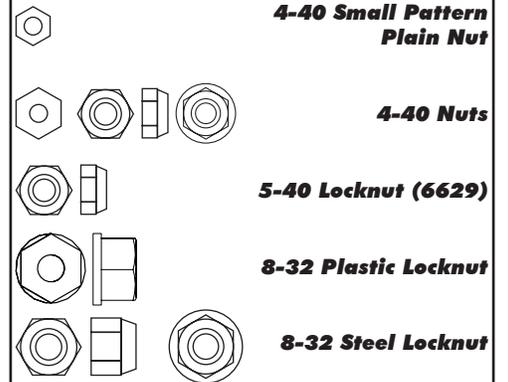
Bearings



Button Head (bhcs)



Nuts (lock/plain)



Clips



Diff Balls



Set Screws



Notes:

Blank area for notes.

:: Table of Contents

1.....	Cover	9.....	Steering Servo Build (Bag G)
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9.....	Rear Axle Build (Bag E/F/I)		

:: Notes

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



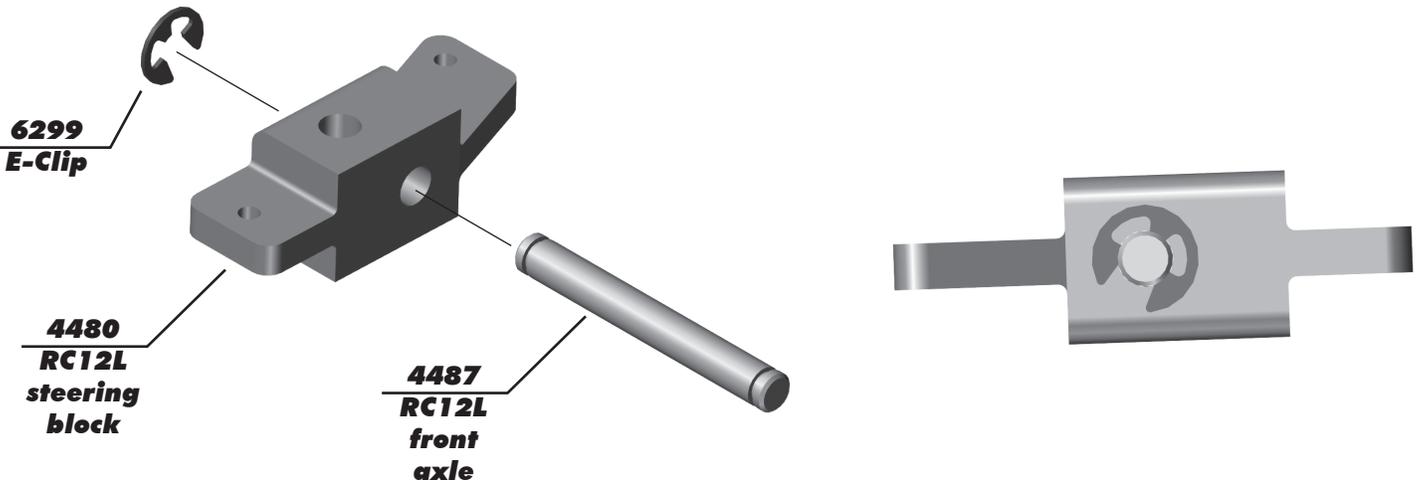
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size.

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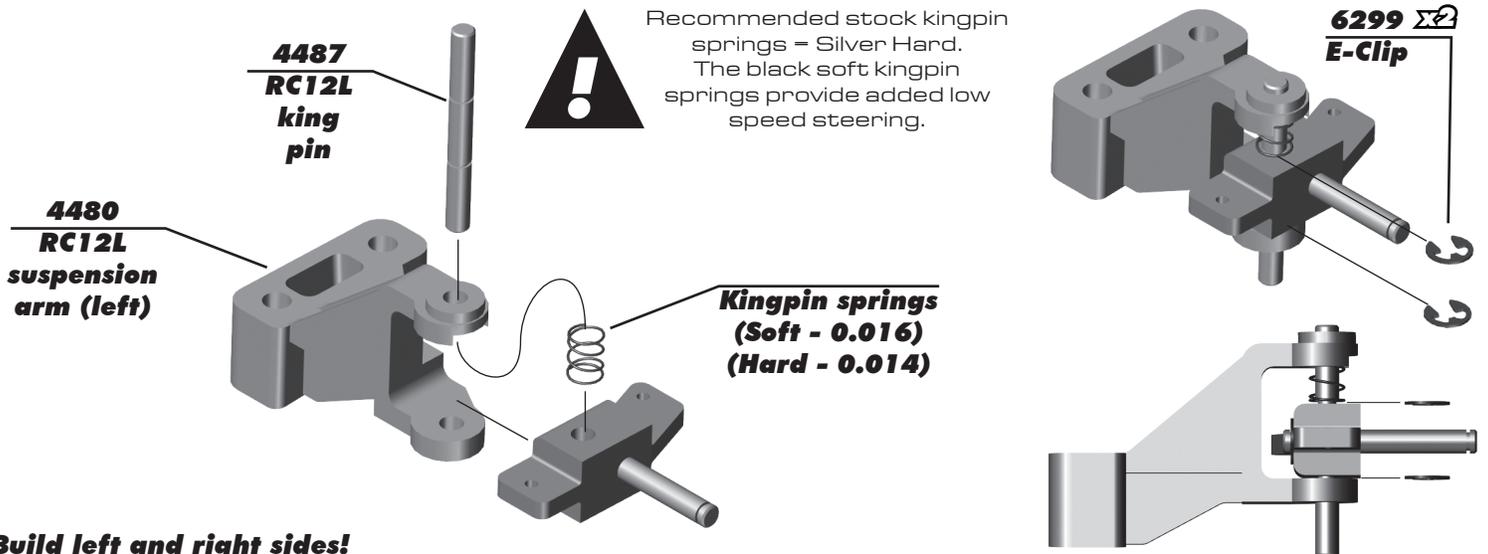
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:: Front End Build - Bag A - Step 1



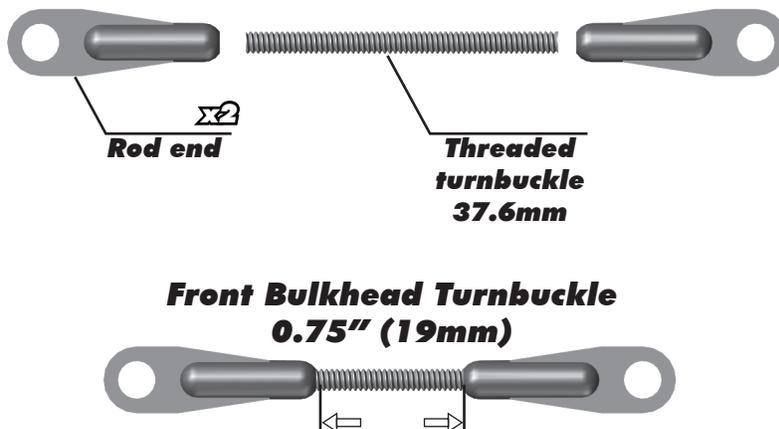
Build left and right sides!

:: Front End Build - Bag A - Step 2

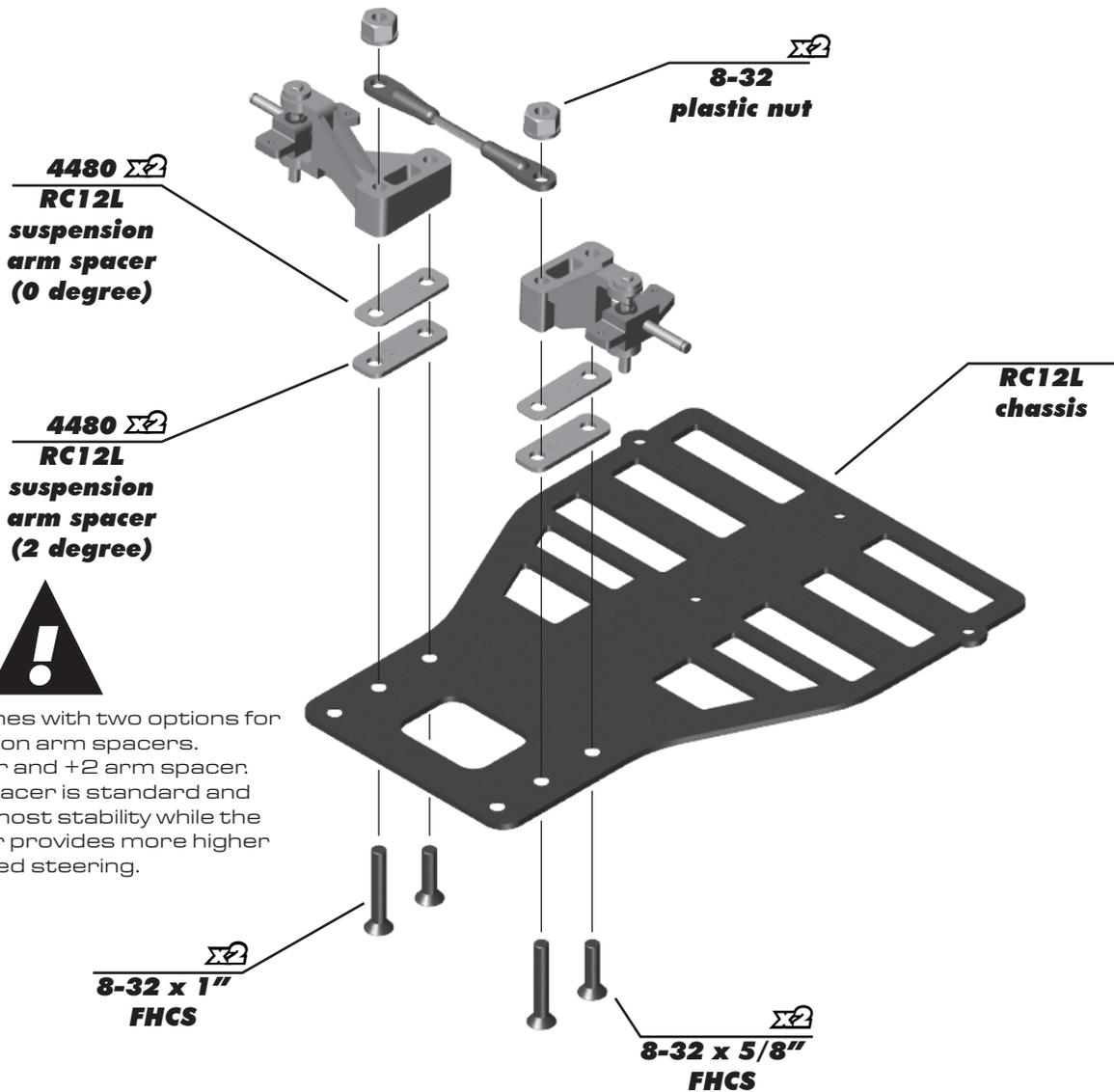


Build left and right sides!

:: Front End Build - Bag A - Step 3

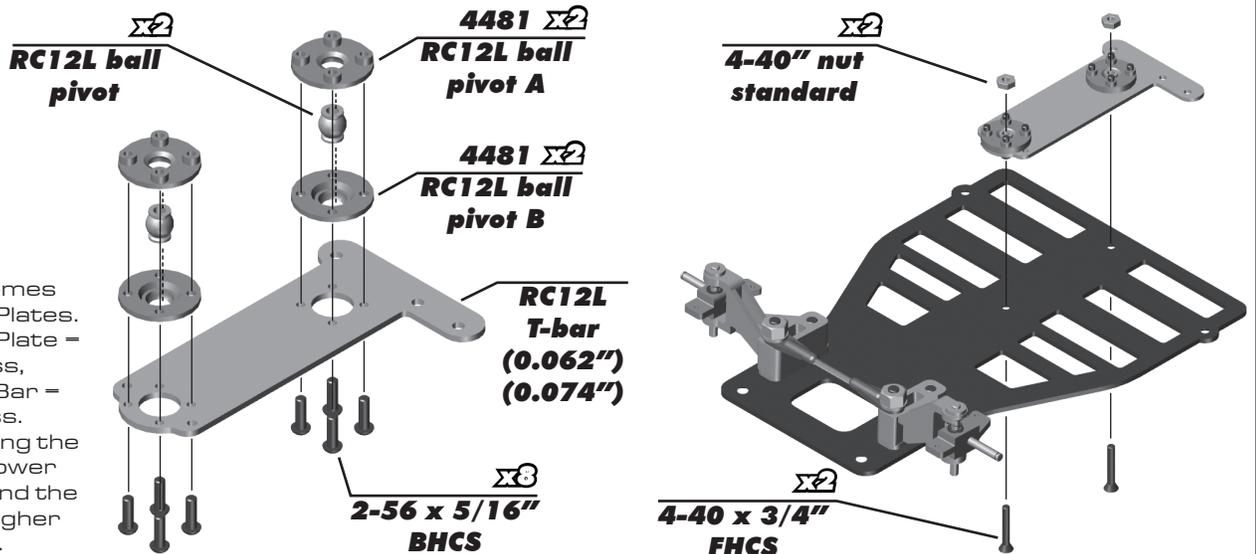


:: Front End Build - Bag A - Step 4



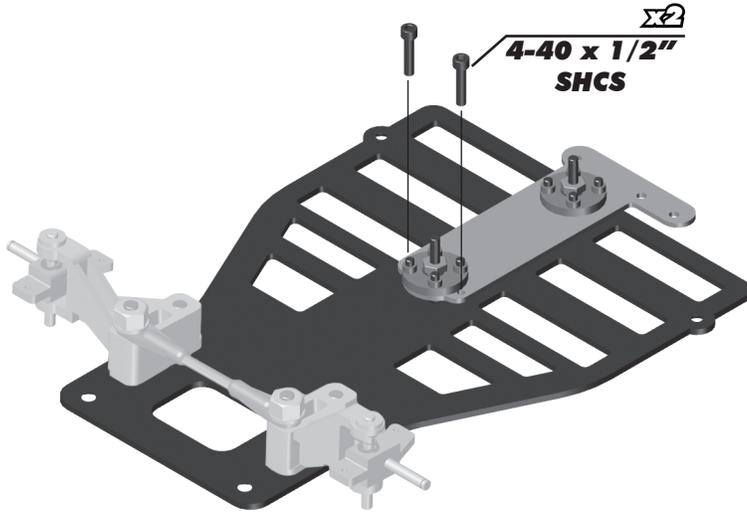
The RC12L comes with two options for suspension arm spacers. 0 arm spacer and +2 arm spacer. The 0 arm spacer is standard and provides the most stability while the +2 arm spacer provides more higher speed steering.

:: T-Plate Build - Bag B - Step 1

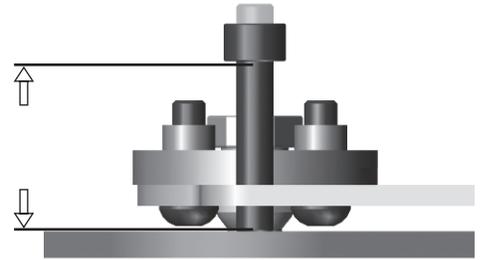


This RC12L Kit comes with two optional T-Plates. The wider looking T-Plate = 0.062 thickness, and the thinner T-Bar = 0.074 thickness. We recommend using the thinner T-bar for lower traction surfaces and the thicker T-bar for higher bite surfaces.

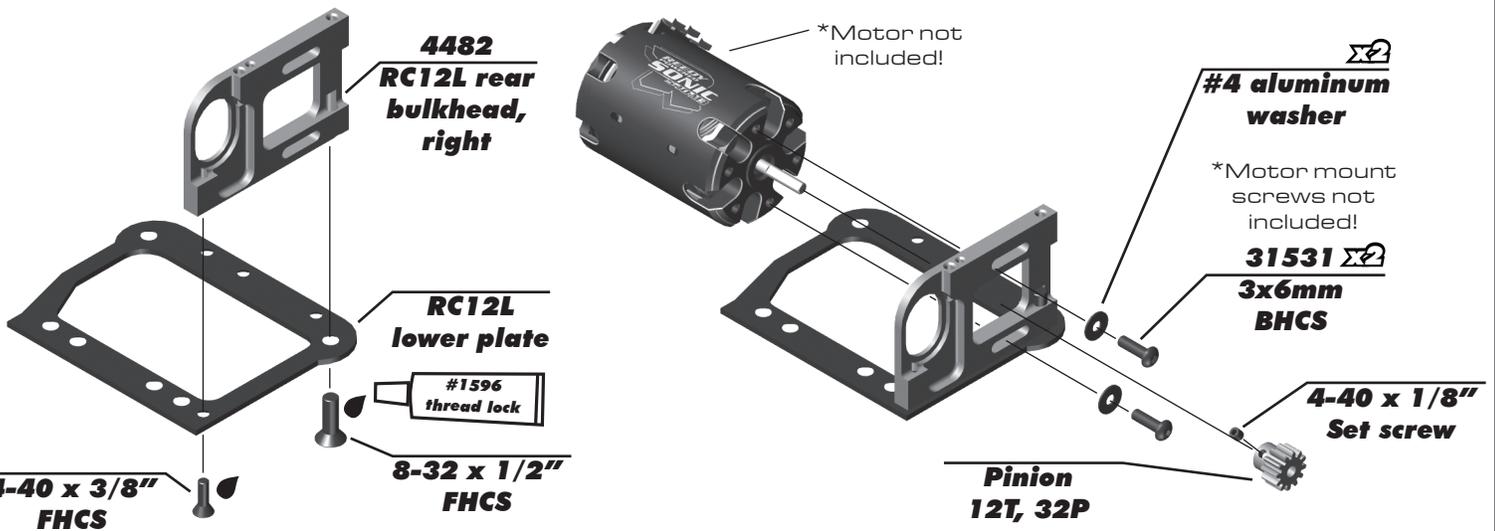
:: T-Plate Build - Bag B - Step 2



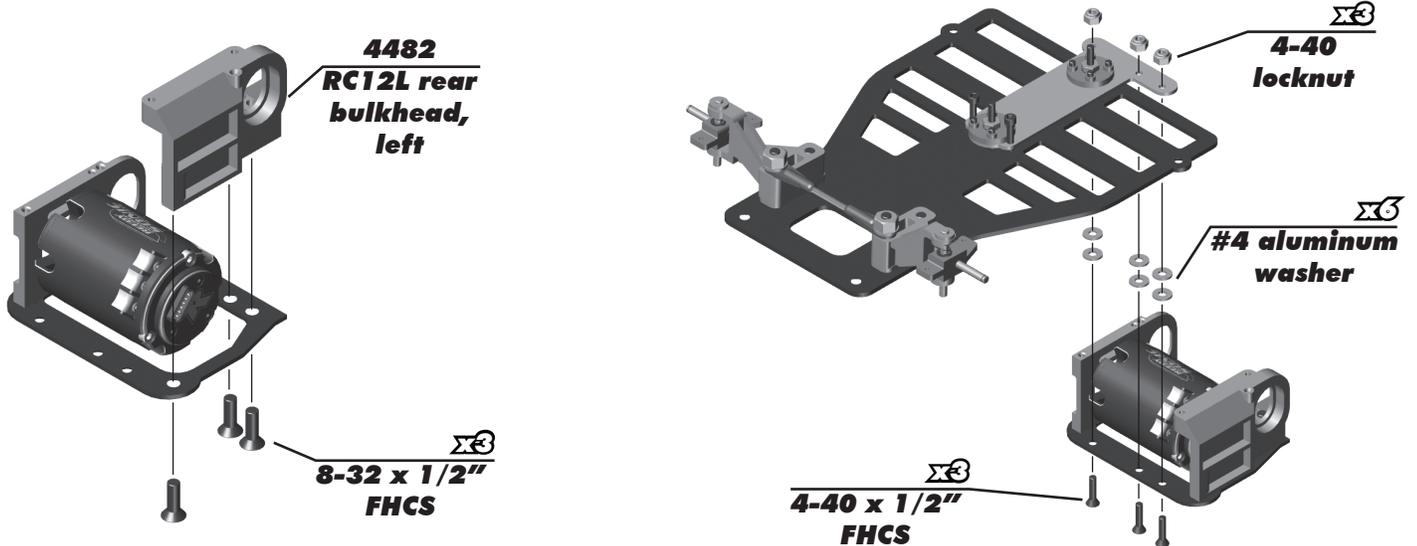
**T-Plate
0.31" (8.0mm)**



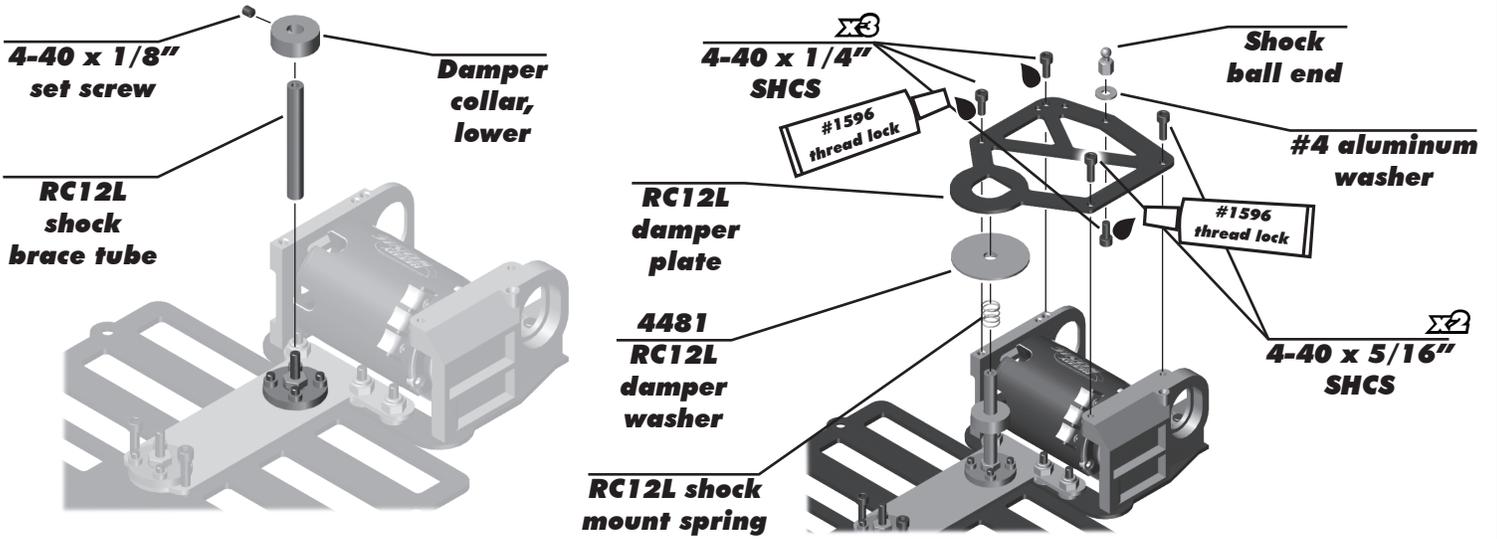
:: Rear Pod Build - Bag C - Step 1



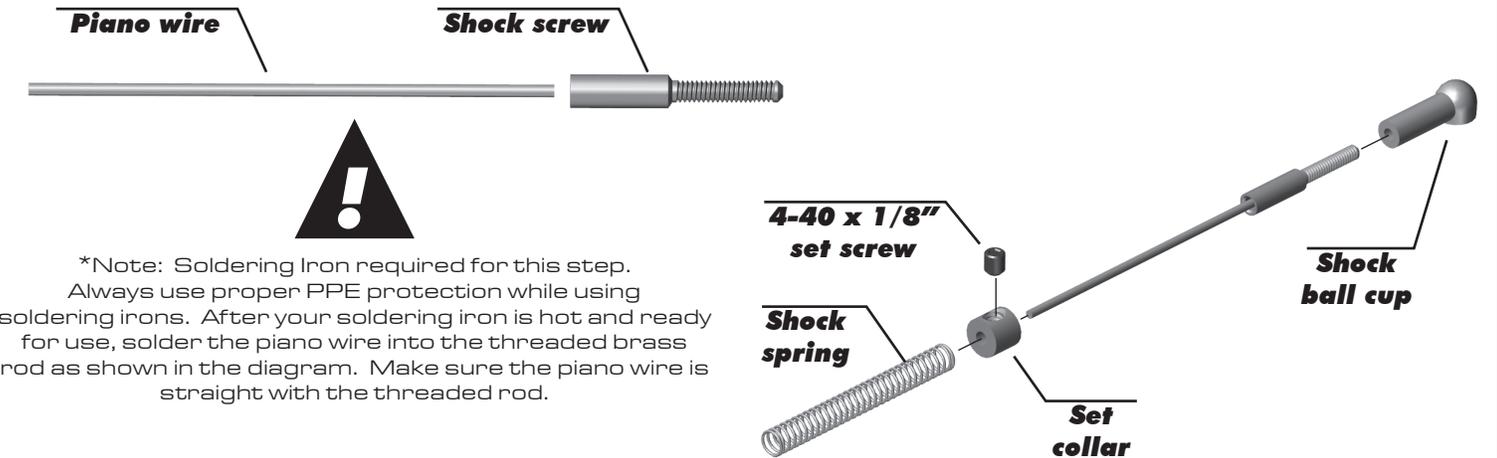
:: Rear Pod Build - Bag C - Step 2



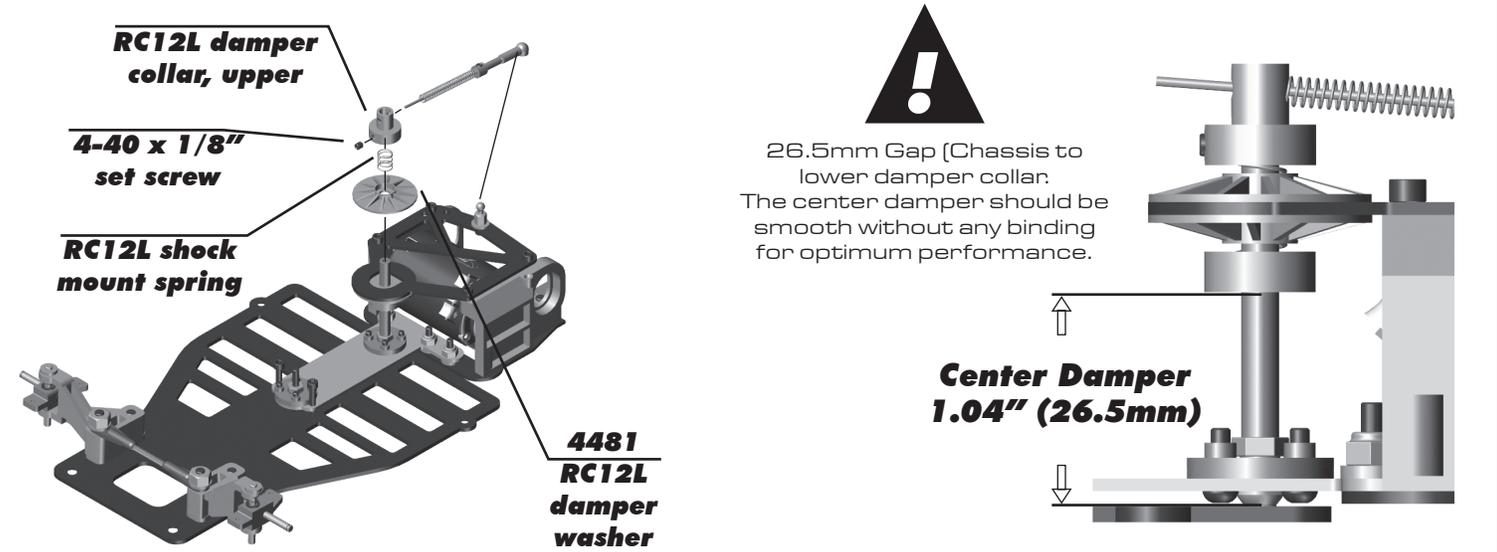
:: Rear Pod Build - Bag C / D - Step 3 / 1



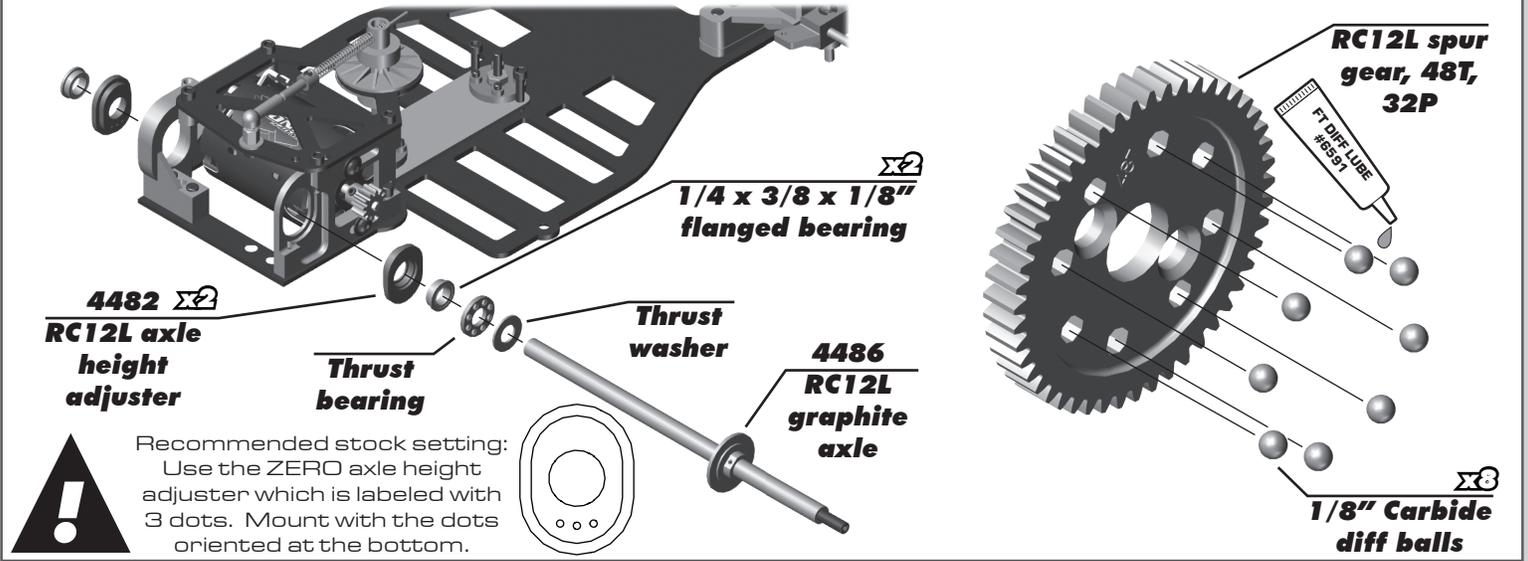
:: Rear Damper Build - Bag D - Step 2



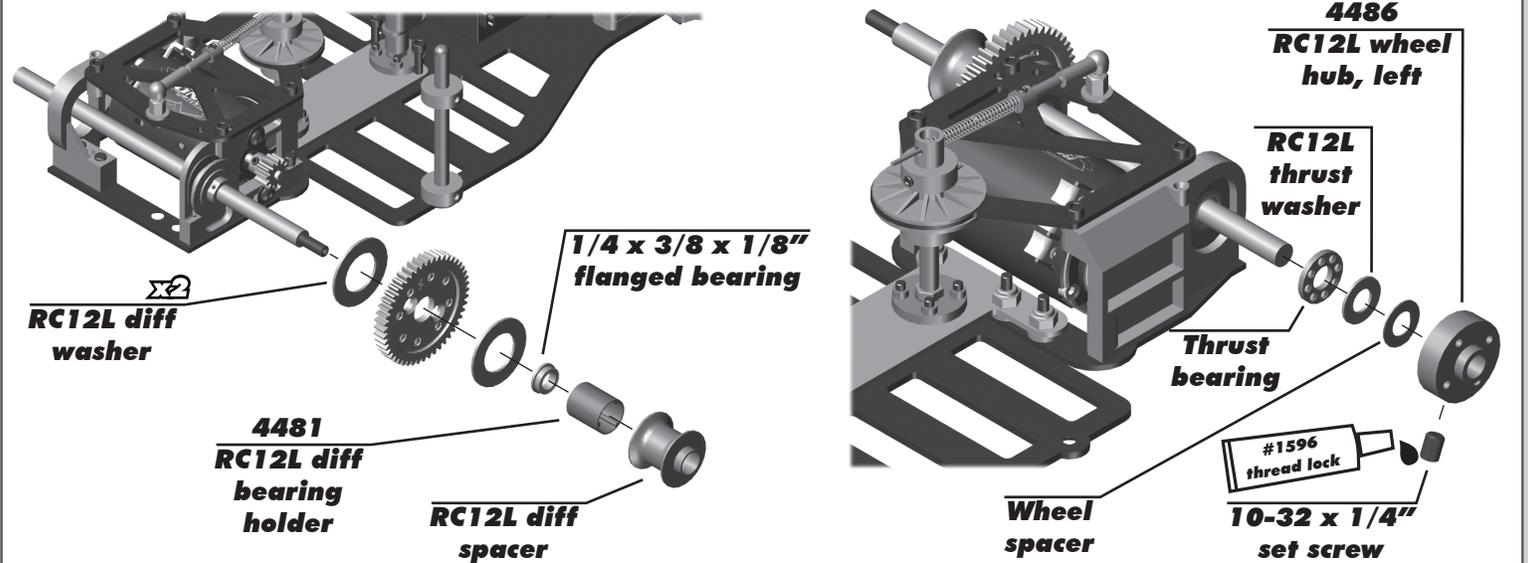
:: Rear Damper Build - Bag D - Step 3



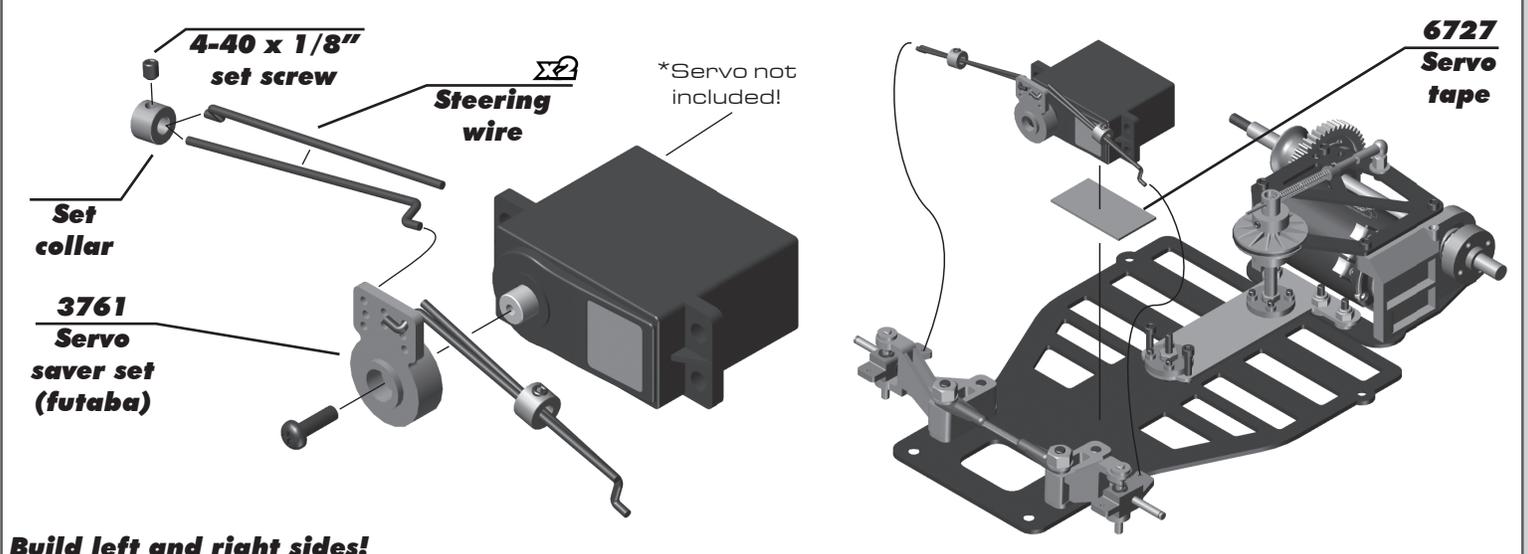
:: Rear Axle Build - Bag E / F / I - Step 1



:: Rear Axle Build - Bag E / F / I - Step 2



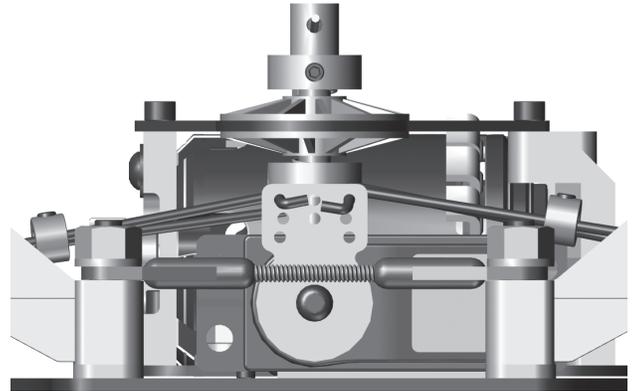
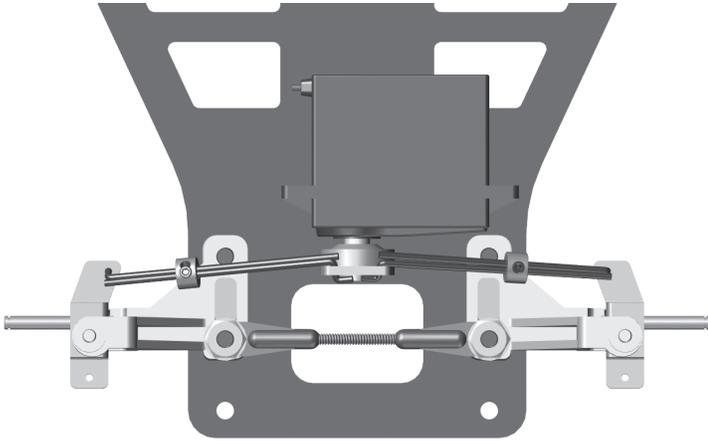
:: Steering Servo Build - Bag G - Step 1



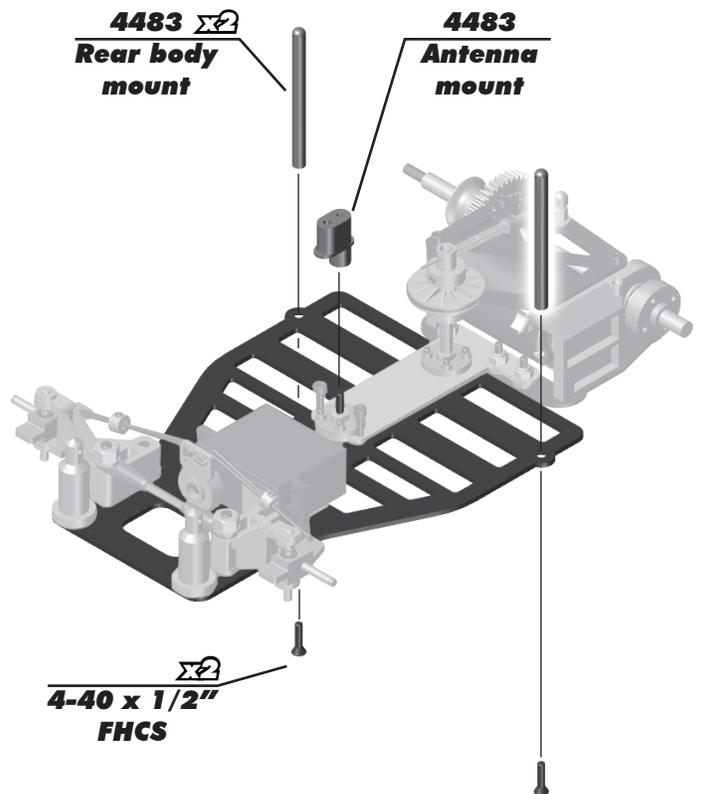
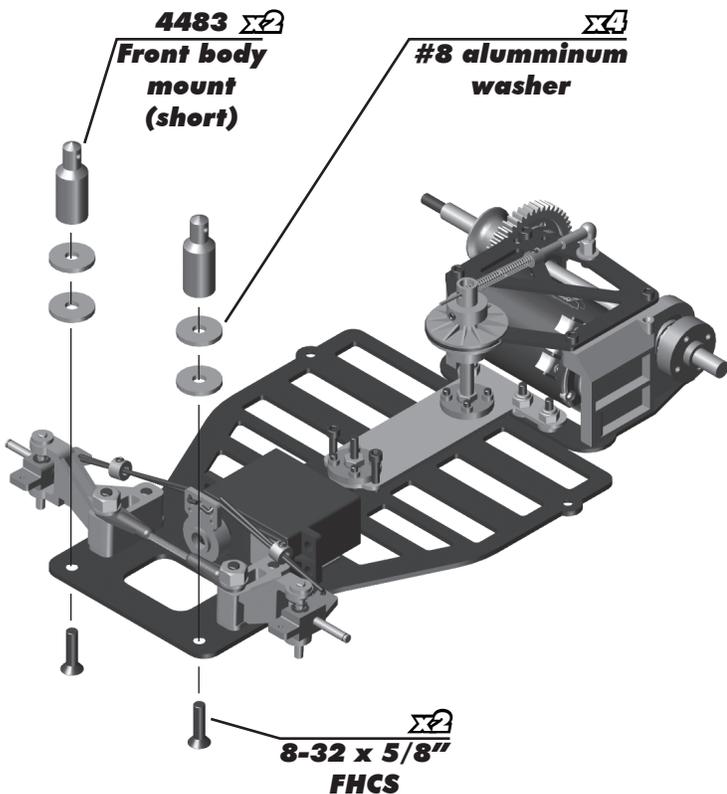
:: Steering Servo Build - Bag G - Step 2



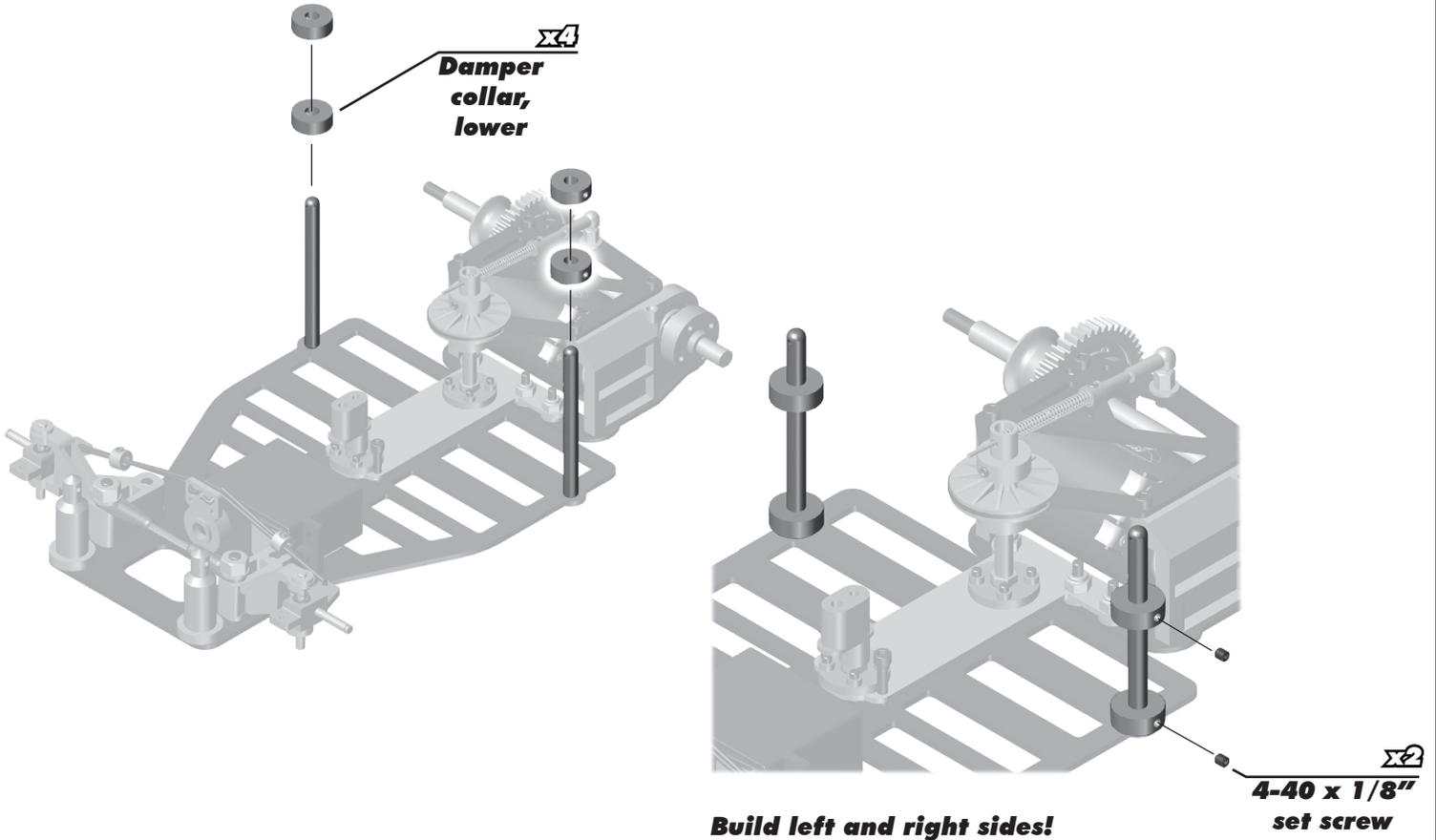
Center link = 19mm gap.
 Recommended Toe in = 0 degrees
 Adjust the collets on the steering servo links until the wheels are straight with 0 degrees of toe in.



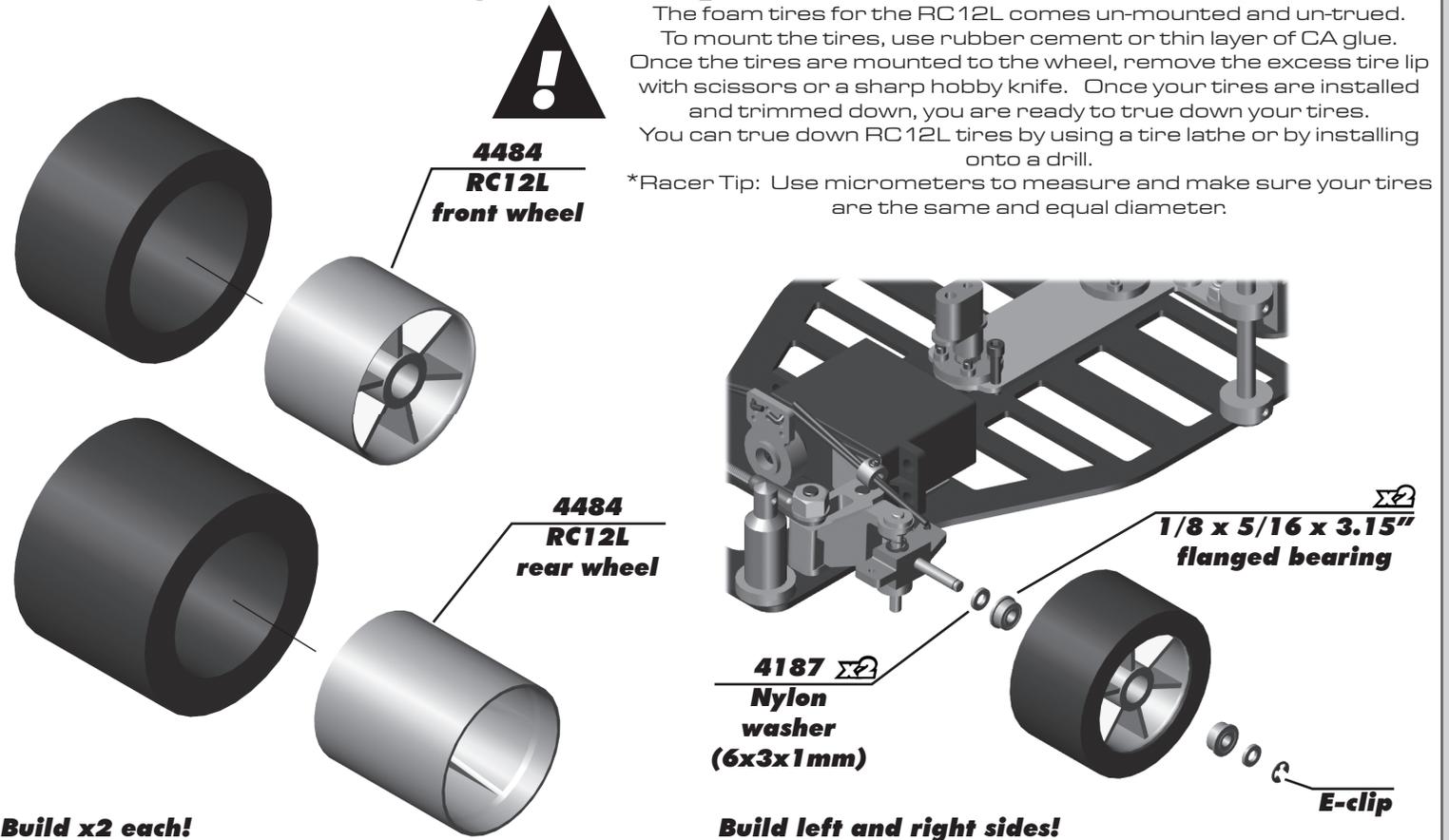
:: Body Mounts Build - Bag H - Step 1



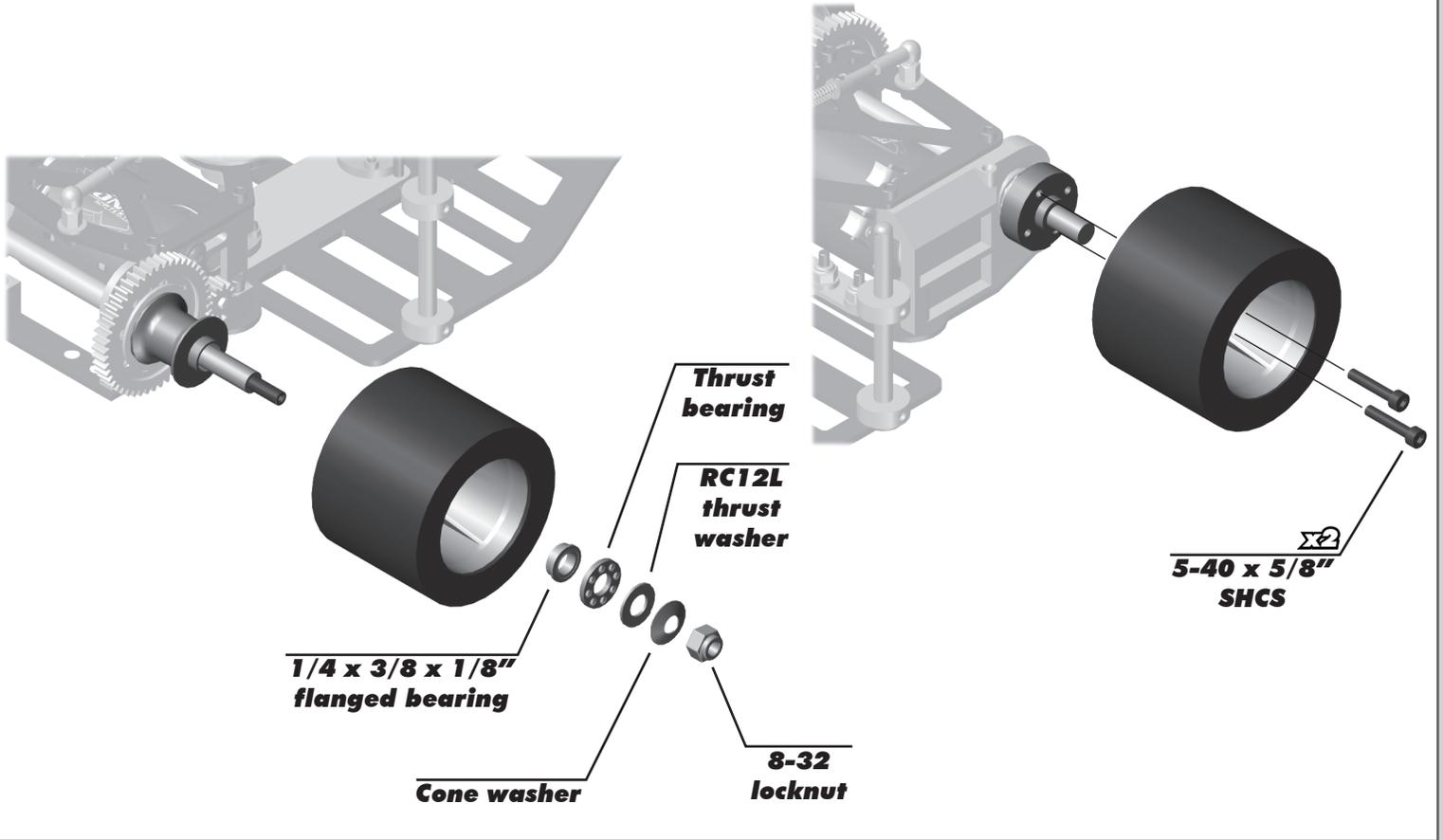
:: Body Mounts Build - Bag H - Step 2



:: Wheels and Tires Build - Bag E / I / J - Step 1



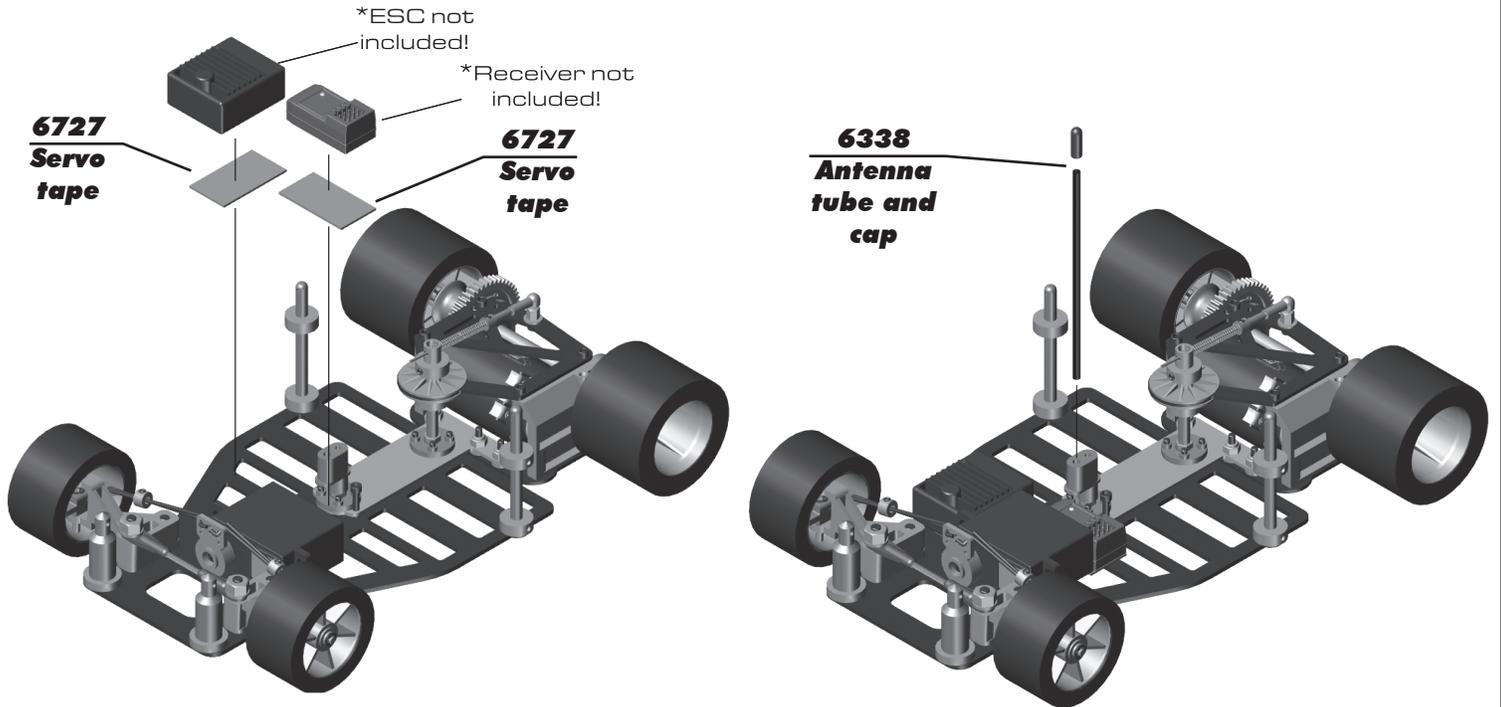
:: Wheels and Tires Build - Bag E / I / J - Step 2



:: Electronics Install - Misc. - Step 1



This RC12L is a vintage kit that is designed for brushed electronics and NiCad batteries. However, modern electronics will fit with some minor modifications for battery fitment.



:: Notes**Painting Tips:**

Your 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!



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