

RC10

1991 STEALTH
LAS VEGAS
EDITION

1:10 Scale 2WD Electric Off Road
Competition Buggy Kit



TEAM ASSOCIATED

RC10

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1:10 Scale 2WD Electric Off Road Competition Buggy Kit Manual

#6059 RC10 '91 Stealth Las Vegas 2026 Buggy Kit



CHAMPIONS by DESIGN

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

- CNC metallic gold machined aluminum chassis
- Exclusive all black plastics
- Exclusive gold hardware (screws and ball studs)
- Exclusive black wheels with Vegas gold wheel dots
- Exclusive carbon fiber shock towers with B6 wing mount
- Exclusive metallic gold aluminum chassis and motor plate
- Exclusive Gold Vegas livery and logo decal sheet
- Carbon fiber transmission brace
- Laser etched chassis logo
- Genuine numbered chassis decal
- Carbon fiber top plate
- Hard anodized shock bodies
- Black anodized shock caps
- Ball bearings
- 91' Stealth® car front bulkhead black
- 91' Stealth® car rear arm mounts black
- Stealth® car wide front suspension arms black
- Metallic gold CNC chassis standoffs
- Stealth® transmission
- Titanium turnbuckles
- 91' Stealth® car world championship replica tires
- 91' Stealth® car rear suspension arms black
- 91' Stealth® car long stroke shock springs
- Rear Dogbones included
- 91' Stealth car clear lexan under tray
- 91' Stealth car front bumper
- 91' Stealth car copper shock springs
- 91' Stealth car metallic gold motor bracket
- 91' Stealth car legendary front shock tower geometry
- Black G10 standard shock towers included
- 5.5" High downforce wing

:: 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
- Peak detection battery charger
- Retaining Ring Pliers
- Pinion gear, size to be determined by type and wind of motor you use
- R/C Electric Motor
- Servo Horn (AE #89007)
- 2S, 7.4V Lipo stick battery or 7.2V NiMH battery
- Polycarbonate specific paint
- 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

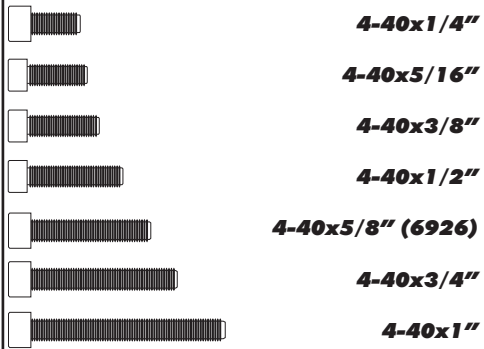
Associated Electrics, Inc.
21062 Bake Parkway
Lake Forest, CA 92630



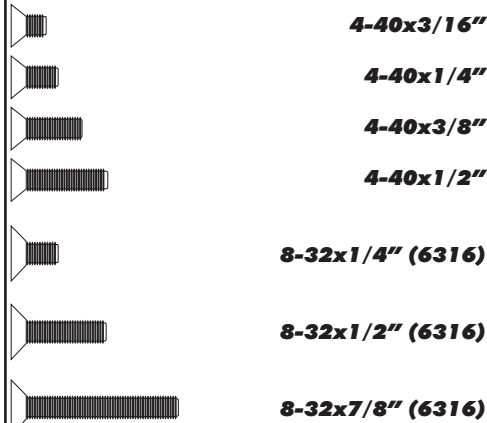
Customer Service
Tel: 949.544.7500
Fax: 949.544.7501

:: Hardware - 1:1 Scale View

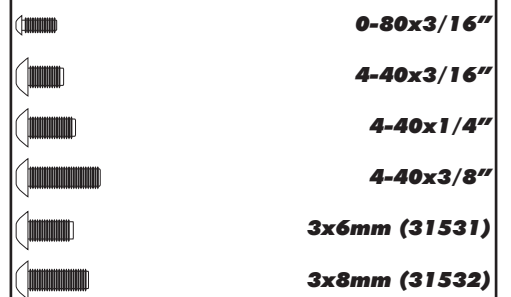
Cap Head (shcs)



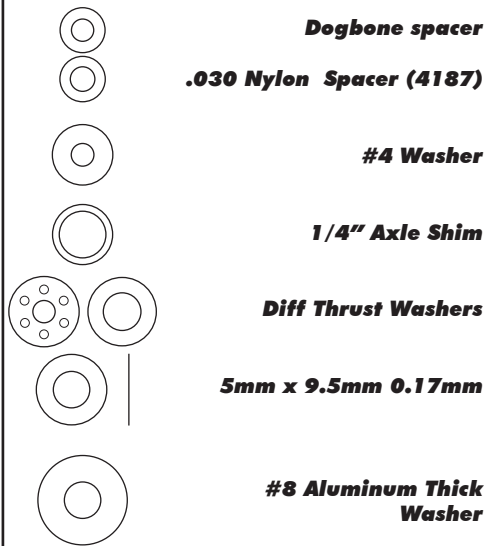
Flat Head (fhcs)



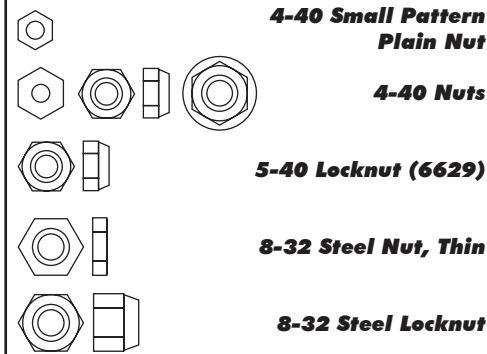
Button Head (bhcs)



Shims and Washers



Nuts (lock/plain)



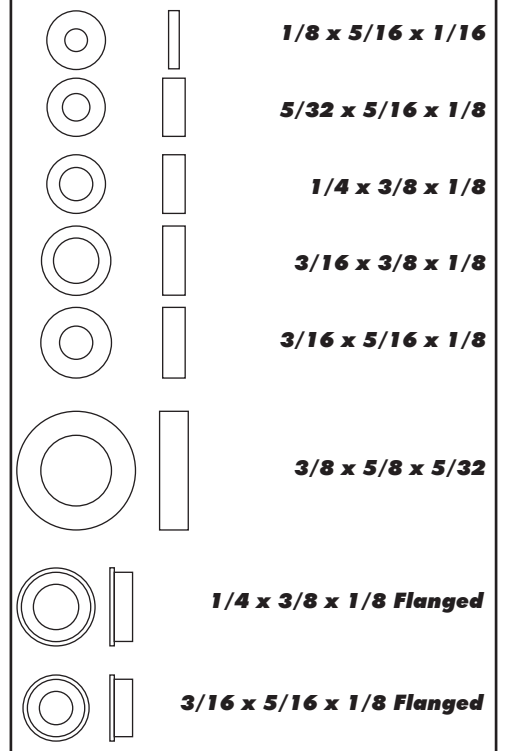
Set Screws



Clips



Bearings



Diff Balls



Notes:

Blank area for notes.

:: Table of Contents

1..... Cover	13.....Shocks Build (Bag F)
2..... Introduction	15.....Top Plate - Electronics Build (Bag G)
3.....1:1 Hardware "Fold Out"	17.....Wheels and Tires Install (Bag H)
4..... Table of Contents	18.....Optional Shock Towers and Wing Mount (Bag I)
5.....Servo Saver Build (Bag A)	19.....Under Tray Install
5..... Front Arm / Steering Build (Bag B)	19.....Body and Wing Install
7.....Transmission Build (Bag C)	21.....Notes
9.....Rear Bulkhead Build (Bag D)	22.....Back Cover
11.....Turnbuckle Build (Bag E)	

:: Notes



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



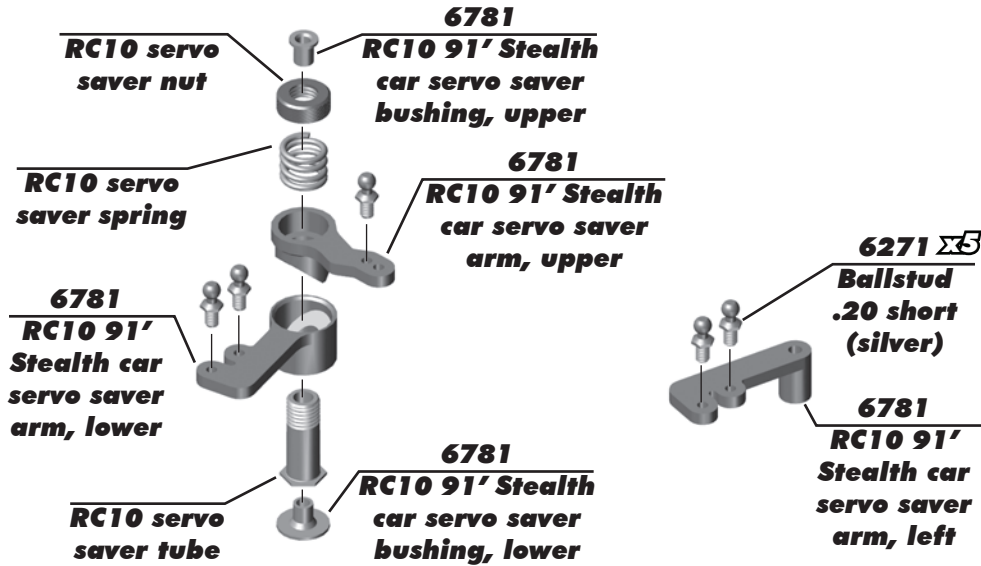
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size.

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:: Servo Saver Build - Bag A - Step 1

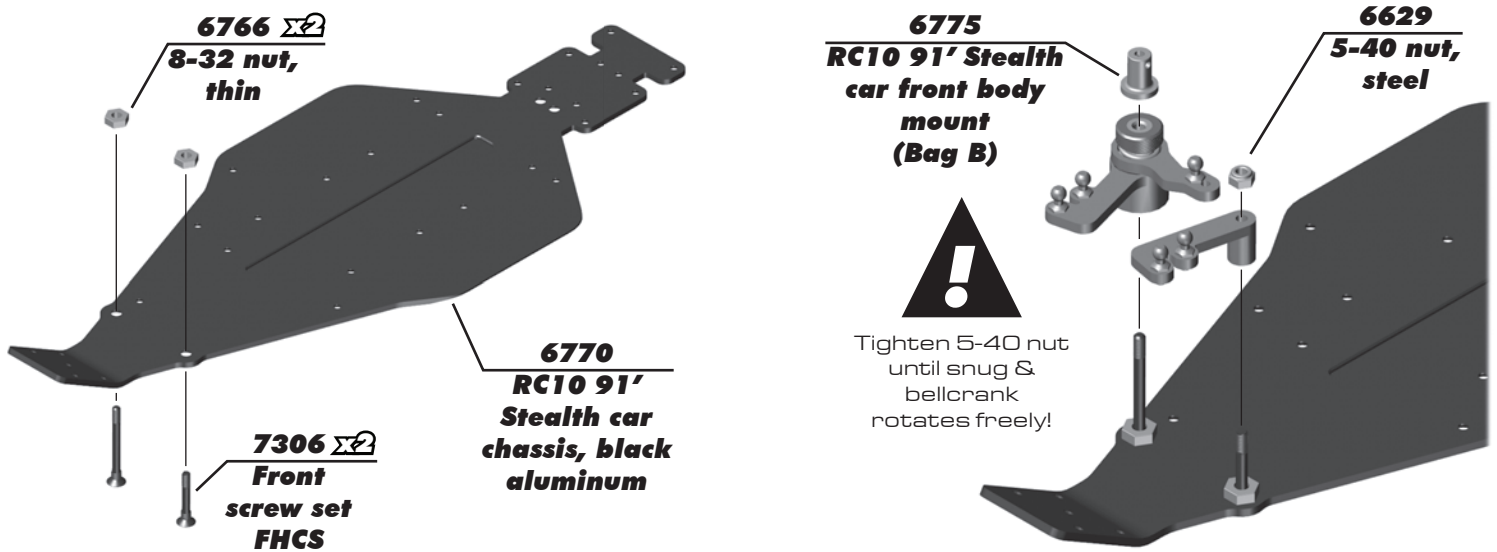


Note:

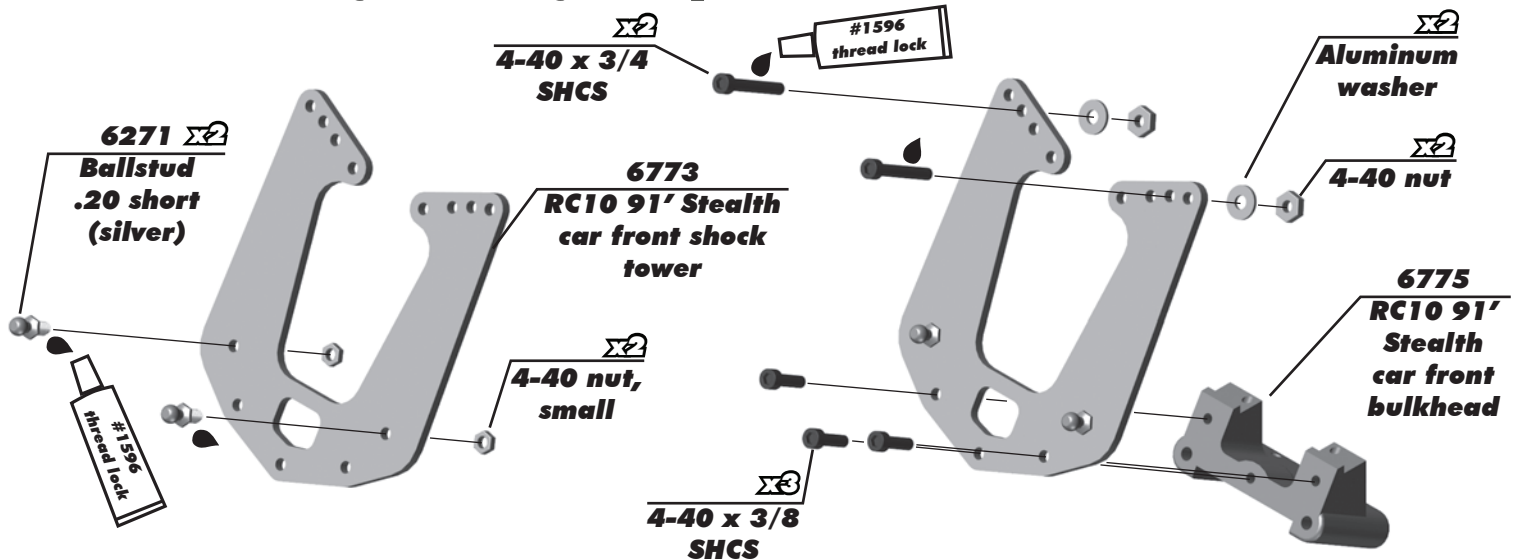
This kit comes with exclusive parts and hardware not sold separately. All parts noted are replacement parts only. Gold hardware, Gold Chassis components, Carbon Fiber shock towers, and black molded parts are exclusive and not available separately at the time of release.

This kit includes exclusive carbon fiber shock towers. They are located in BAG I.

:: Servo Saver Build - Bag A/B - Step 2



:: Front Arm / Steering Build - Bag B - Step 1



:: Front Arm / Steering Build - Bag B - Step 2

LEFT

6273
Ballstud
.30 (silver)

#1596
thread lock

4-40 nut
small

6779
RC10 91'
Stealth car
front
caster blocks,
25 degrees
(Left & Right)

6273
Ballstud
.30 (silver)

#1596
thread lock

31385 $\Sigma 2$
Aluminum
washer, 1mm

6779
RC10 91'
Stealth steering
blocks,
(Left & Right)

4-40 nut
small

6316 $\Sigma 2$
4-40 x 3/8
steel
FHCS

6785
RC10 91' Stealth
front stub axles

Build left and right sides!

:: Front Arm / Steering Build - Bag B - Step 3

6299 $\Sigma 2$
E-clip
(small)

6778
RC10 91'
Stealth
car front arms
(Left & Right)

6644
RC10
king pins

7813
RC10 front
outer hinge
pins, 31mm

6299 $\Sigma 2$
E-clip
(small)

Build left and right sides!

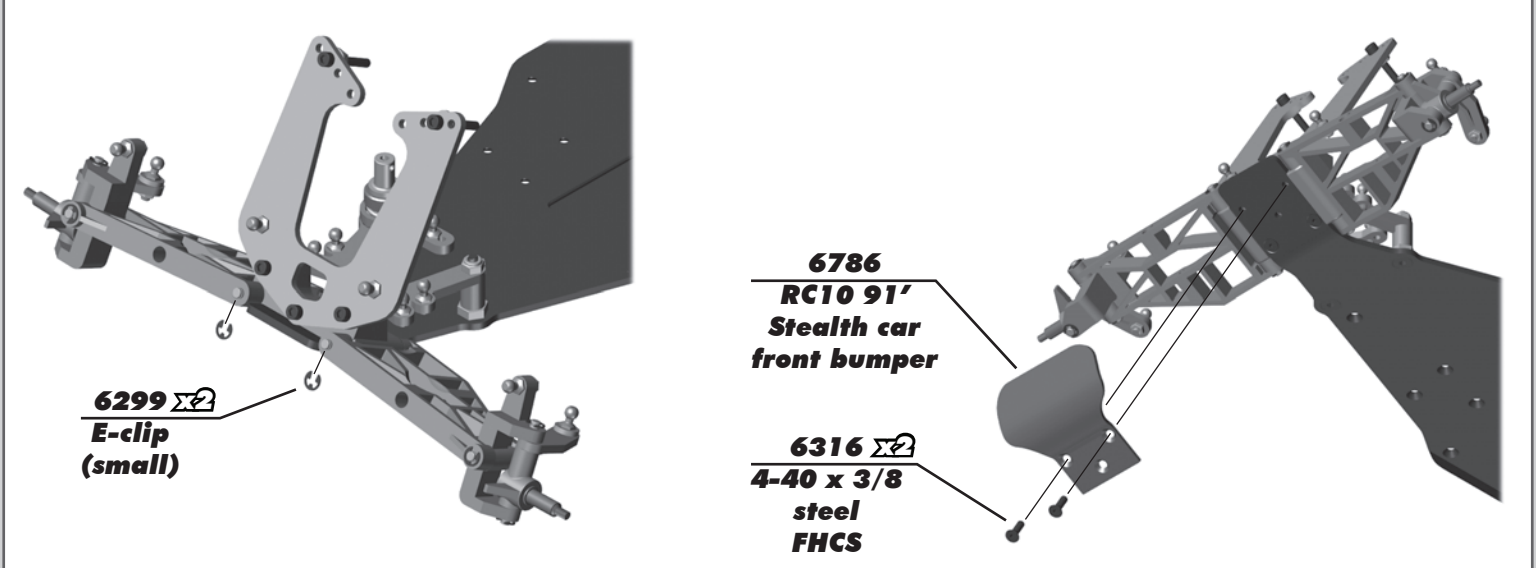
:: Front Arm / Steering Build - Bag B - Step 4

6735
RC10 89'
Stealth
car front inner
hinge pins

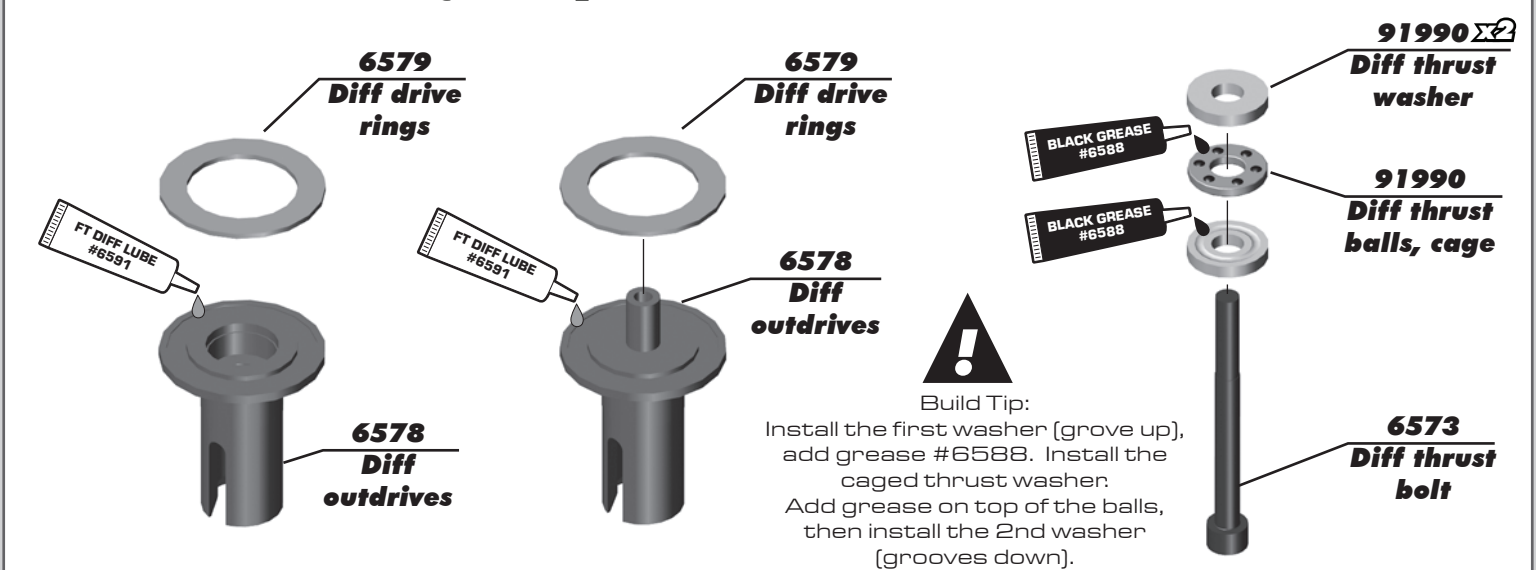
6299
E-clip
(small)

Build left and right sides!

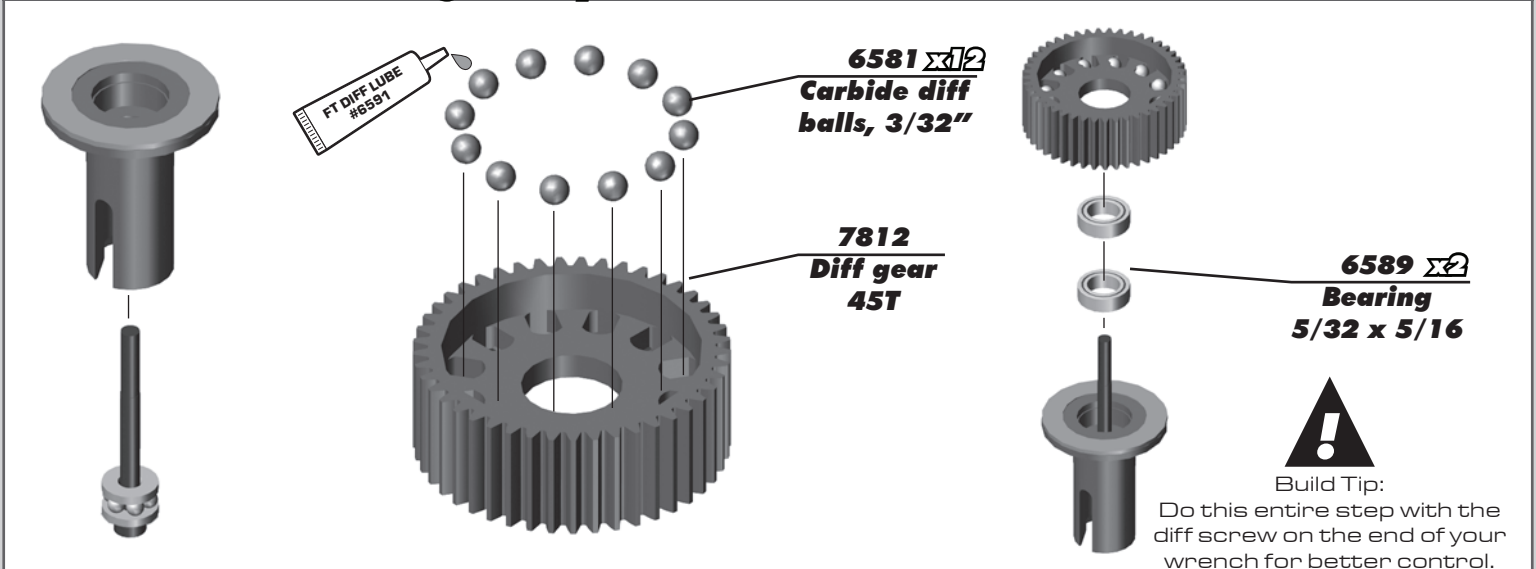
:: Front Arm / Steering Build - Bag B - Step 5



:: Transmission Build - Bag C - Step 1



:: Transmission Build - Bag C - Step 2



:: Transmission Build - Bag C - Step 3

6575
Diff thrust nut

6582
Diff thrust spring

6575
Diff bolt cover

Compress spring first.

As you tighten the diff bolt, you will notice the T-nut ears moving closer to the bottom of the outdrive slot. This compresses the spring behind the T-nut. The spring should be completely compressed at the time the T-nut reaches the end of the slot.

Caution! Pay close attention to the feeling when the spring is completely compressed. Do not overtighten the bolt. When you feel the spring completely compressed, loosen the diff bolt 1/8 of a turn. Your diff should now operate smoothly but with resistance as the outdrives move in opposite directions.

After you have driven the car once, re-check the diff setting.

:: Transmission Build - Bag C - Step 4

6571
Top shaft

3977
Bearing 3/16 x 3/8

6571
Drive gear roll pin

6565
RC10 Stealth transmission case, right

3976
Bearing 3/8 x 5/8

3977
Bearing 3/16 x 3/8

7812
Idler gear shaft

FT DIFF LUBE #6591

FT DIFF LUBE #6591

FT DIFF LUBE #6591

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

:: Transmission Build - Bag C - Step 5

3977 **x2**
Bearing 3/16 x 3/8

3976
Bearing 3/8 x 5/8

6565
RC10 Stealth transmission case, right and cover

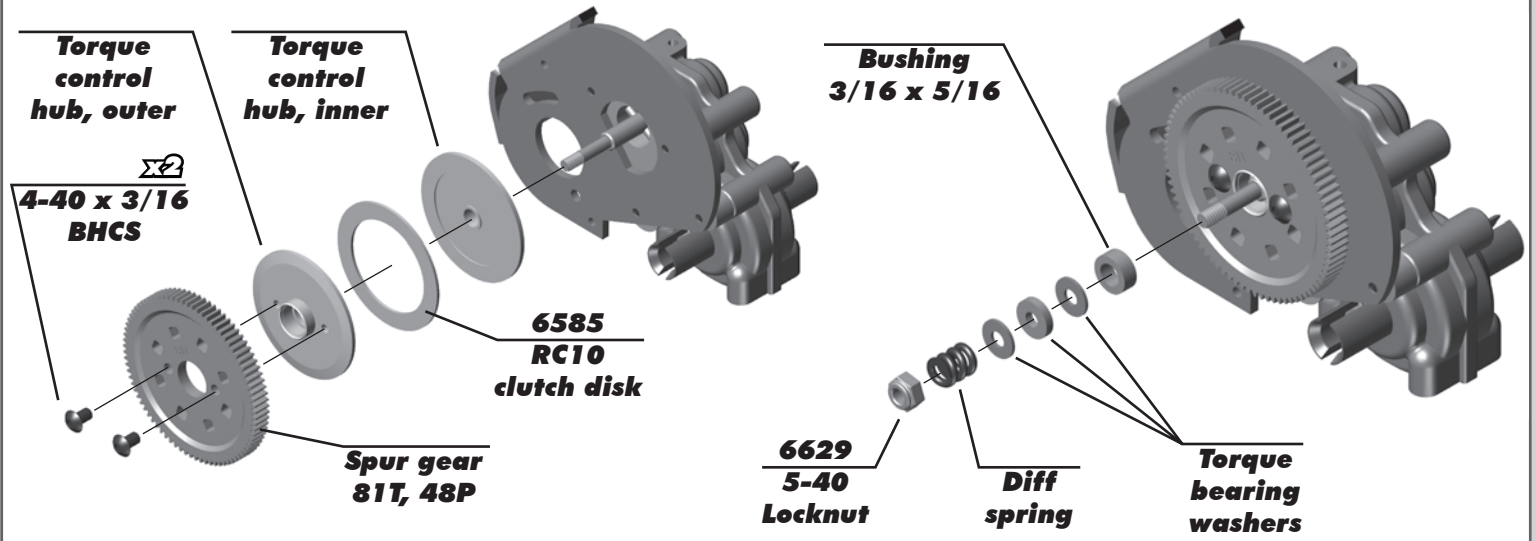
6565 **x4**
Motor plate spacers

x4
4-40 x 1" SHCS

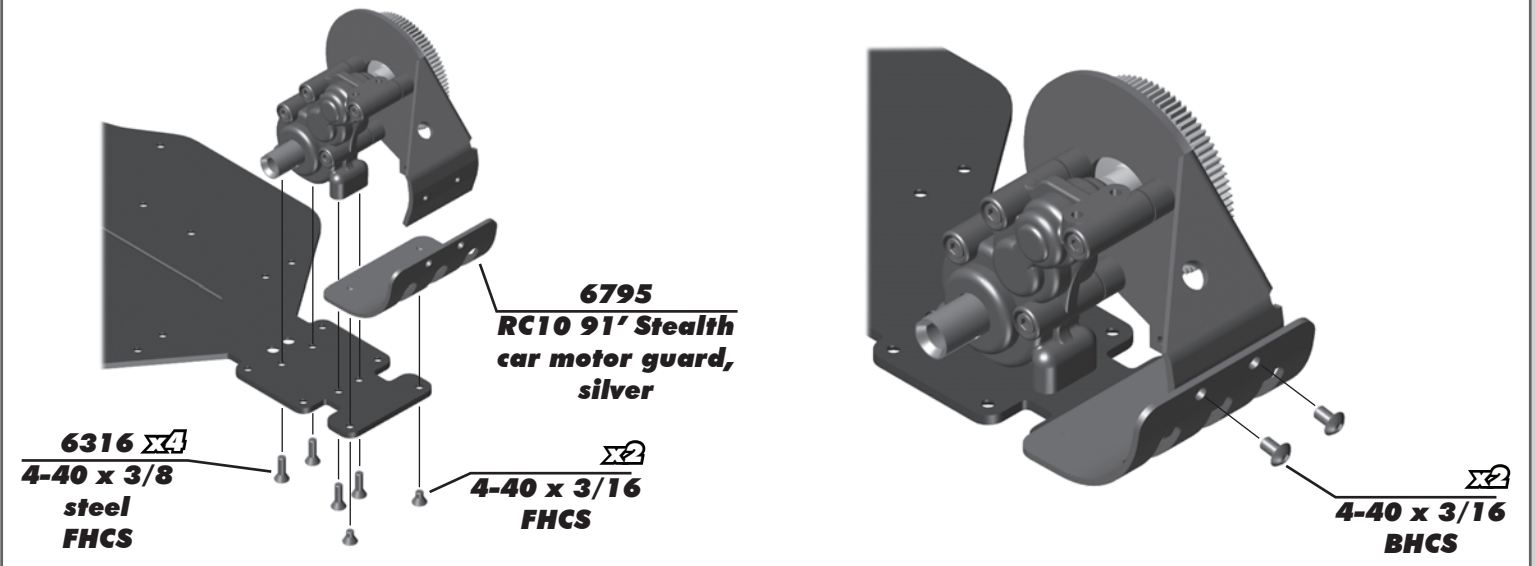
RC10 91' Stealth motor mount plate, black
***not sold separately**

Replacement motor plates
#6755 BK motor plate
#6607 Gold motor plate

:: Transmission Build - Bag C - Step 6

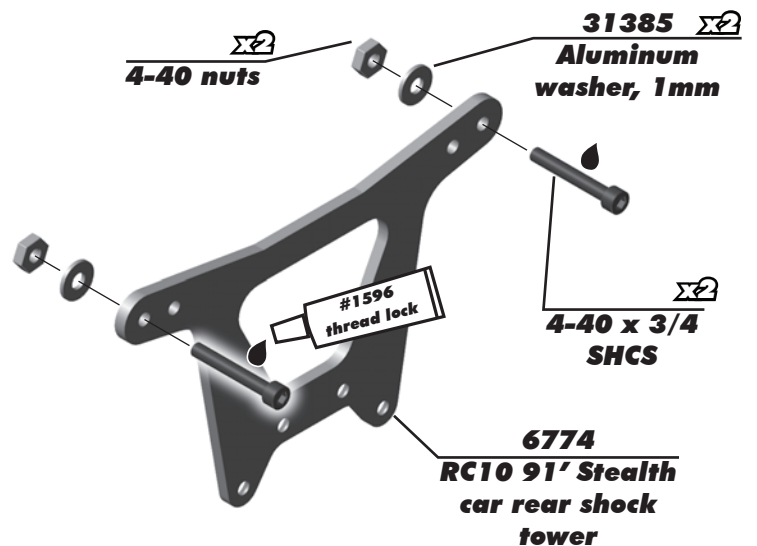


:: Transmission Build - Bag C - Step 7

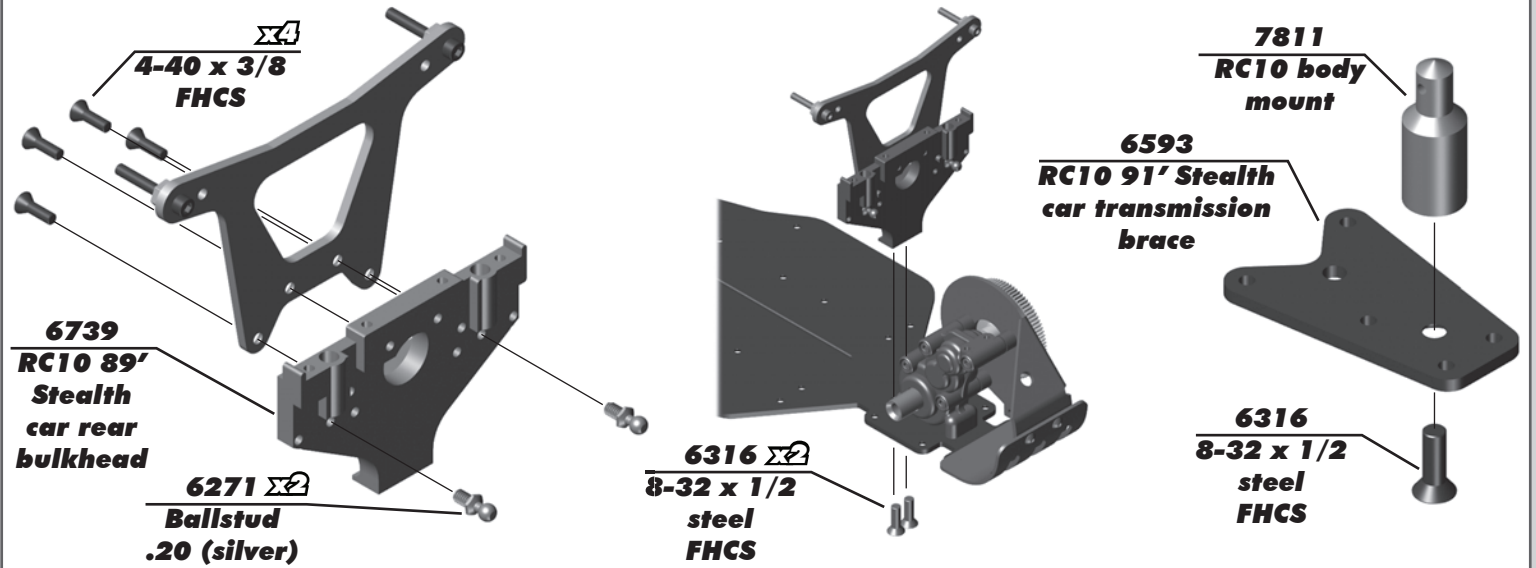


:: Rear Bulkhead Build - Bag D - Step 1

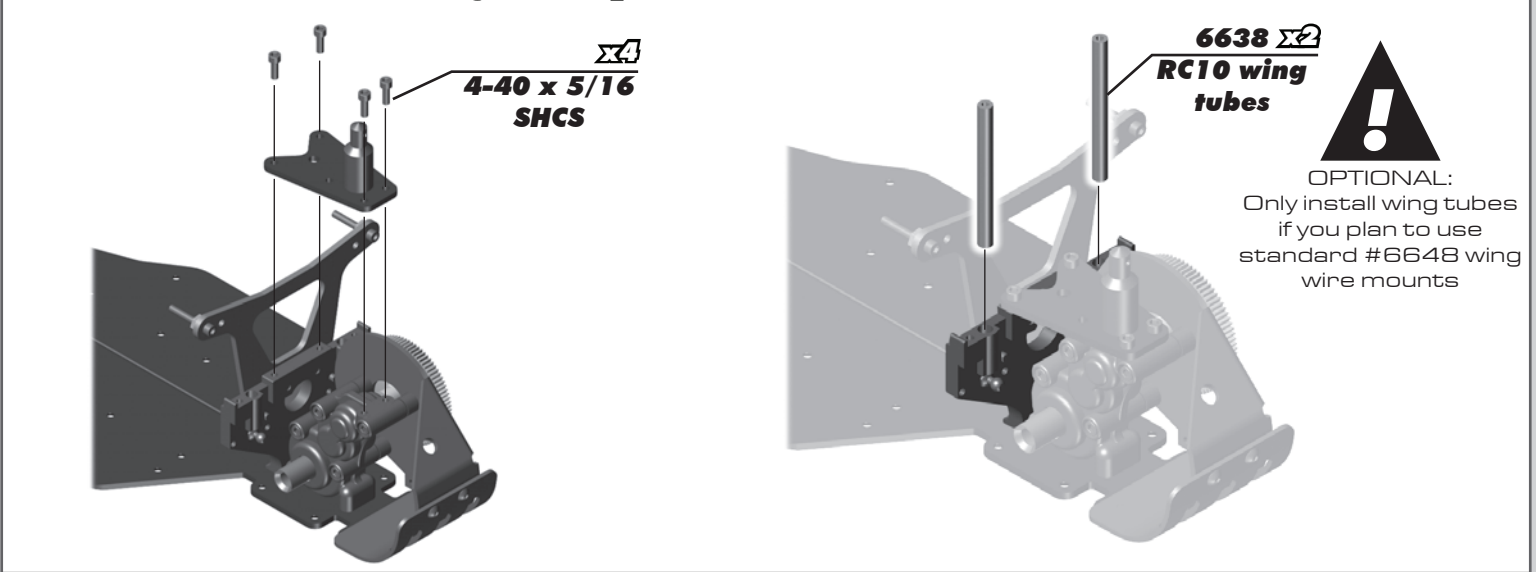
!
Note:
This kit includes exclusive carbon fiber shock towers with B6 wing mounts. These are located in BAG I.
Follow the steps on page 18 for installation of rear wing mounts.



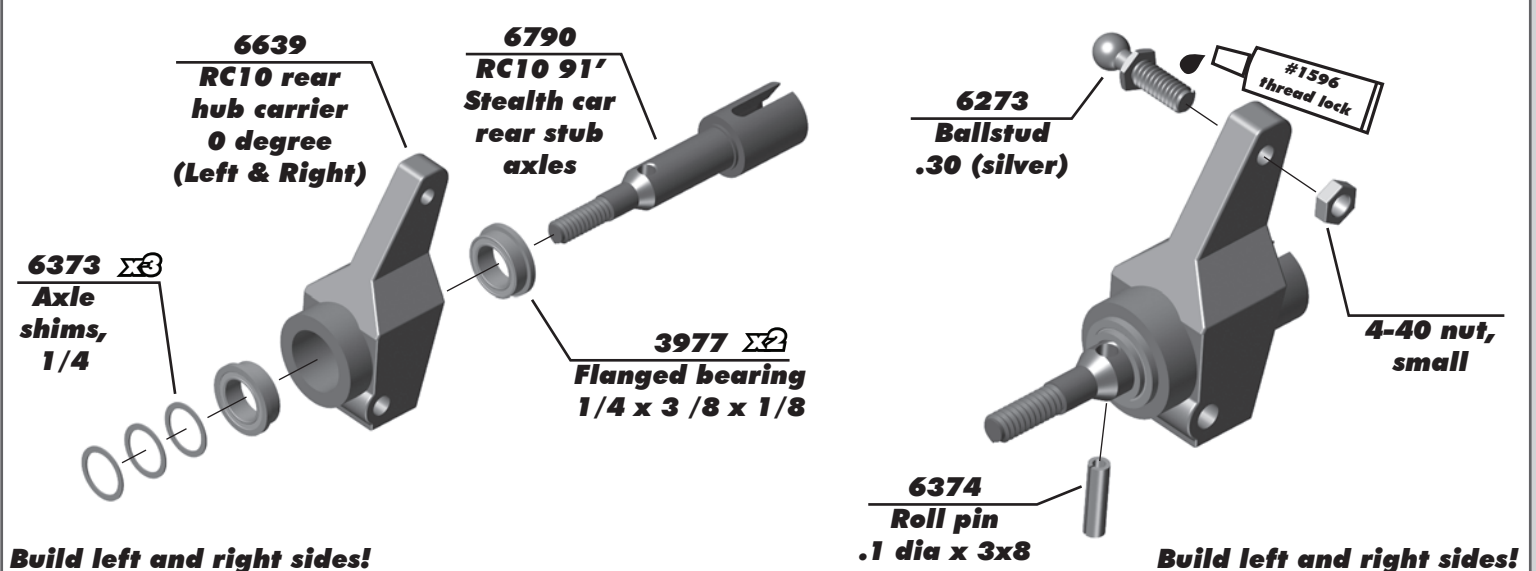
:: Rear Bulkhead Build - Bag D - Step 2



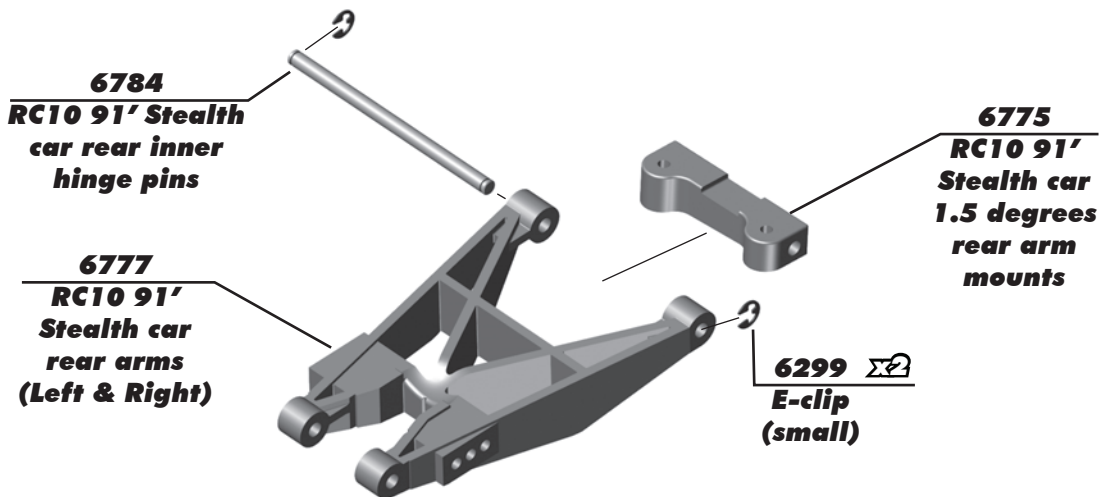
:: Rear Bulkhead Build - Bag D - Step 3



:: Rear Bulkhead Build - Bag D - Step 4

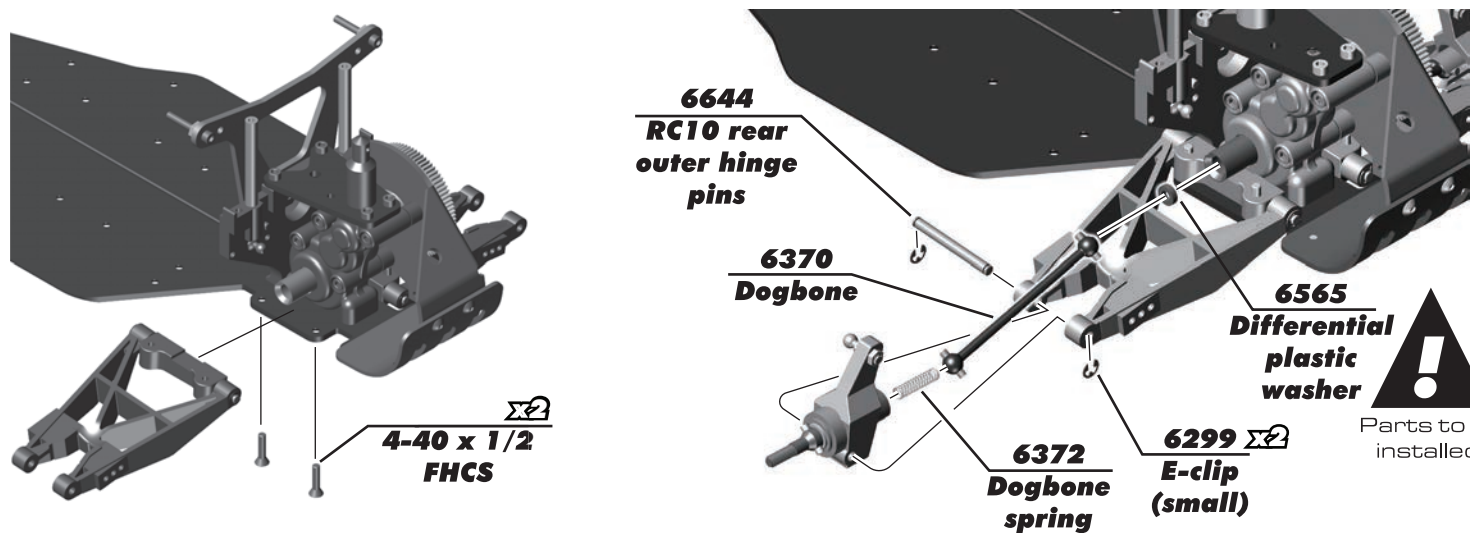


:: Rear Bulkhead Build - Bag D - Step 5



Build left and right sides!

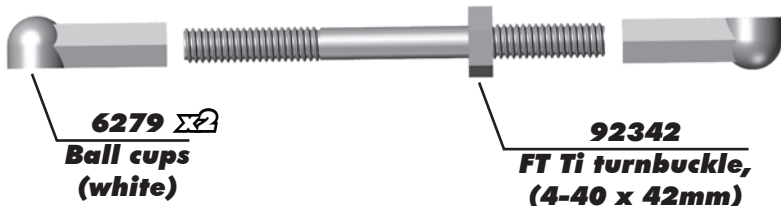
:: Rear Bulkhead Build - Bag D - Step 6



Build left and right sides!

Build left and right sides!

:: Turnbuckles Build - Bag E - Step 1



Rear Camber Turnbuckle 1.00" (25.5mm)

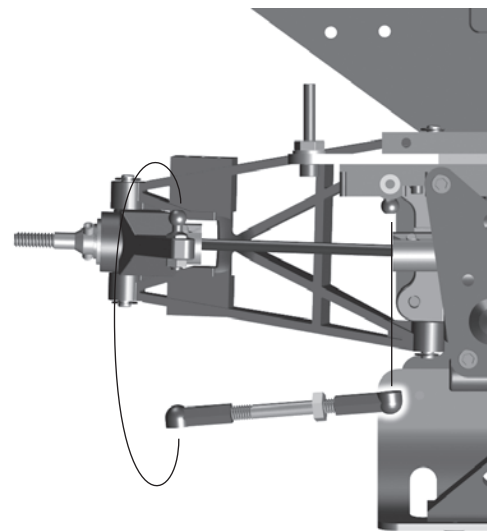


Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.

Build left and right sides!



The adjustment nut on the end of the turnbuckles notes the side with the right hand threads. Masami mounted the nuts towards the outside of the vehicle for ease of adjustment.



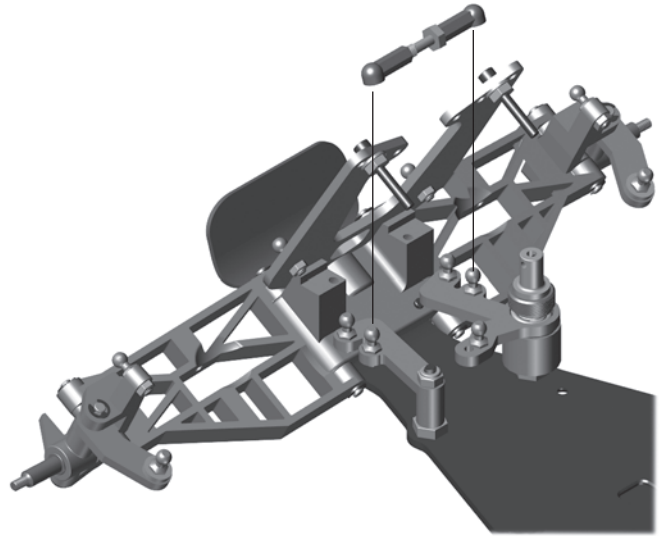
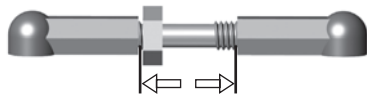
:: Turnbuckles Build - Bag E - Step 2



6279 $\Sigma 2$
Ball cups
(white)

FT Ti turnbuckle,
(4-40 x 25.4mm)

Steering Rack Turnbuckle
0.51" (13mm)



:: Turnbuckles Build - Bag E - Step 3



6279 $\Sigma 2$
Ball cups
(white)

92343
FT Ti turnbuckle,
(4-40 x 52.6mm)

Front Camber Turnbuckle
1.42" (36mm)

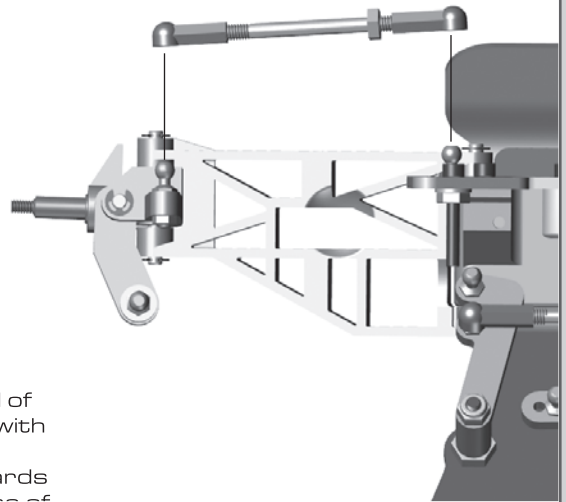


Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.

Build left and right sides!



The adjustment nut on the end of the turnbuckles notes the side with the right hand threads. Masami mounted the nuts towards the outside of the vehicle for ease of adjustment.



:: Turnbuckles Build - Bag E - Step 4



6279 $\Sigma 2$
Ball cups
(white)

92344
FT Ti turnbuckle,
(4-40 x 60.1mm)

Steering Turnbuckle
1.83" (46.5mm)

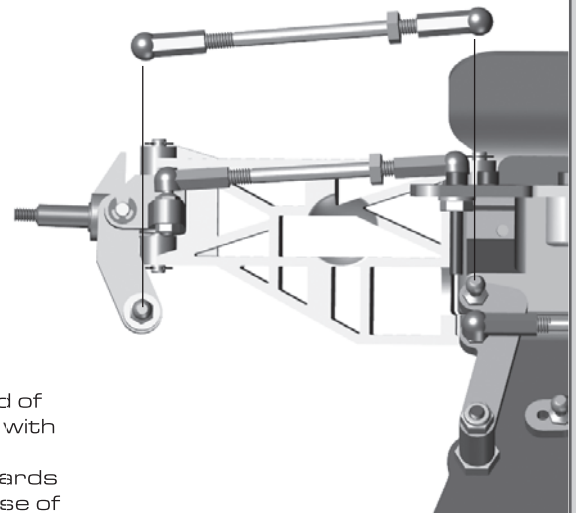


Recommended turnbuckle lengths are approximate. Final recommended settings = 0 degree Front Toe in and -2 Degree Camber Front and Rear.

Build left and right sides!

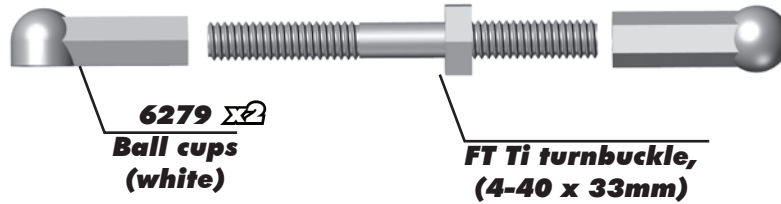


The adjustment nut on the end of the turnbuckles notes the side with the right hand threads. Masami mounted the nuts towards the outside of the vehicle for ease of adjustment.

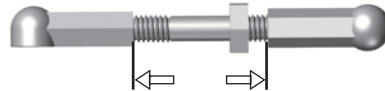


:: Turnbuckles Build - Bag E - Step 5

!
Set aside until you are installing the servo!

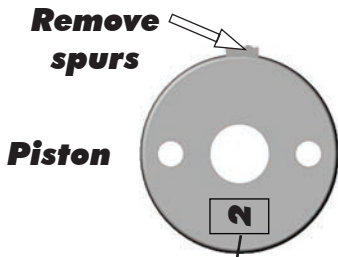


Servo Turnbuckle 0.70" (18mm)



!
The adjustment nut on the end of the turnbuckles notes the side with the right hand threads. Masami mounted the nuts towards the outside of the vehicle for ease of adjustment.

:: Shocks Build - Bag F - Step 1



Piston number here
Use #2 = front shocks
Use #1 = rear shocks

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

6299 E-clip (small)

6417 Shock shaft, front (1.02)

6416 Shock shaft, rear (1.32)

6420/6462 Shock pistons (1, 2, 3)

6299 E-clip (small)

Build two front and two rear!

:: Shocks Build - Bag F - Step 2

5407 $\Sigma 2$ Red o-ring

Remove spurs

Shock assembly tool

Front Shock

6436 FT Hard Anodized shock body, front (1.02)

6420/6462 $\Sigma 2$ Off-road shock rebuild kit

Shock fluid 30wt #5422

SNAP!

Rear Shock

6435 FT Hard Anodized shock body, rear (1.32)

Shock fluid 30wt #5422

SNAP!

!
Place on table and push down hard until clamp snaps into place

:: Shocks Build - Bag F - Step 3

Front Shock



Rear Shock



6420/6462 Shock downstops

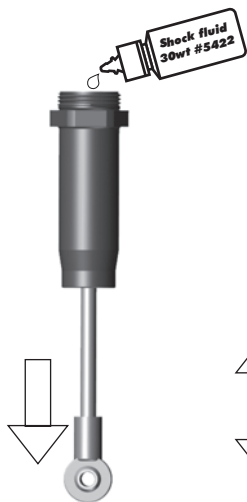
6420/6462 Shock cap o-ring



6420/6462 Shock pivot ball

6279 Shock rod end (use the short rod ends) Build two front and two rear!

:: Shocks Build - Bag F - Step 4



Step 1-3



Step 3-4



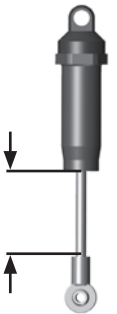
Step 5-6



Step 7

* 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.



Stroke Front: 28.5mm Rear: 33mm

:: Shocks Build - Bag F - Step 5

Front Shock



RC10 shock spring collar

6788 Front shock spring, Copper 1.65" length

Rear Shock



RC10 shock spring collar

6788 Rear shock spring, Copper 2.79" length

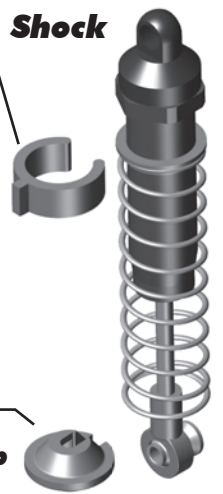
Front Shock



RC10 spring clips

6639 RC10 spring cup

Rear Shock

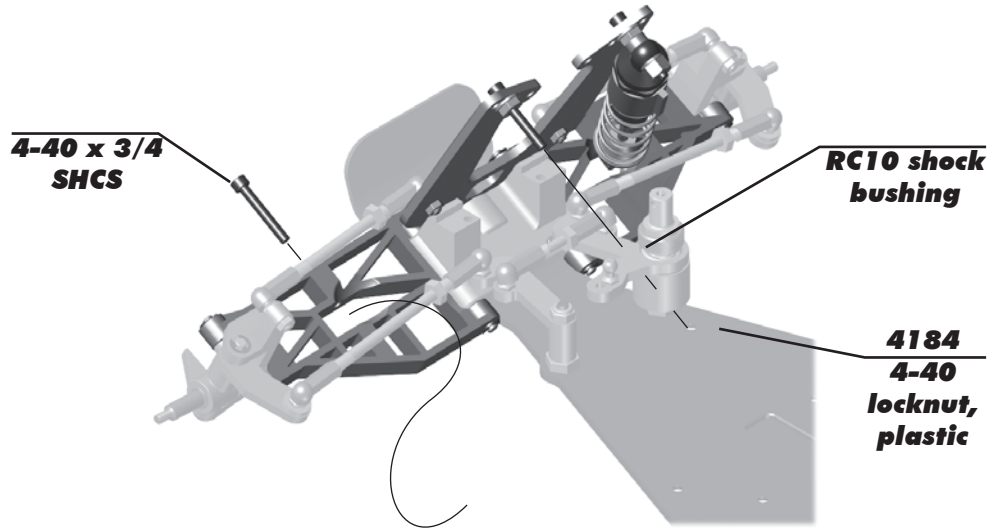


RC10 spring clips

6639 RC10 spring cup

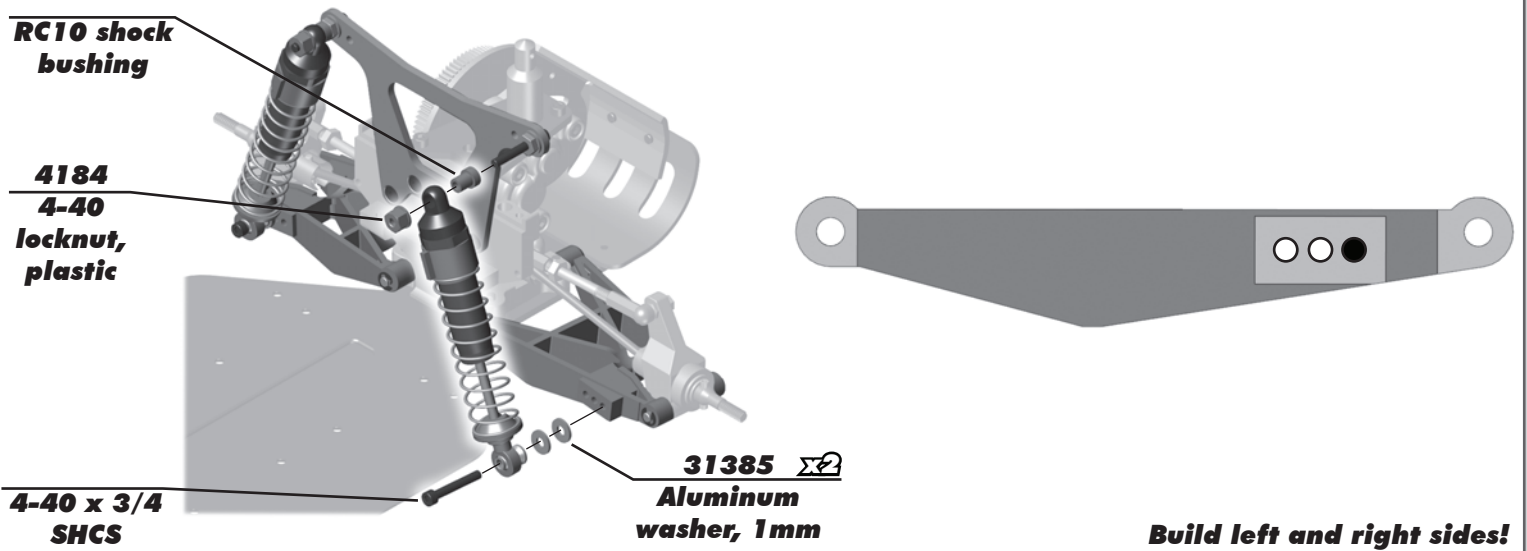
Build two front and two rear!

:: Shocks Build - Bag F - Step 6

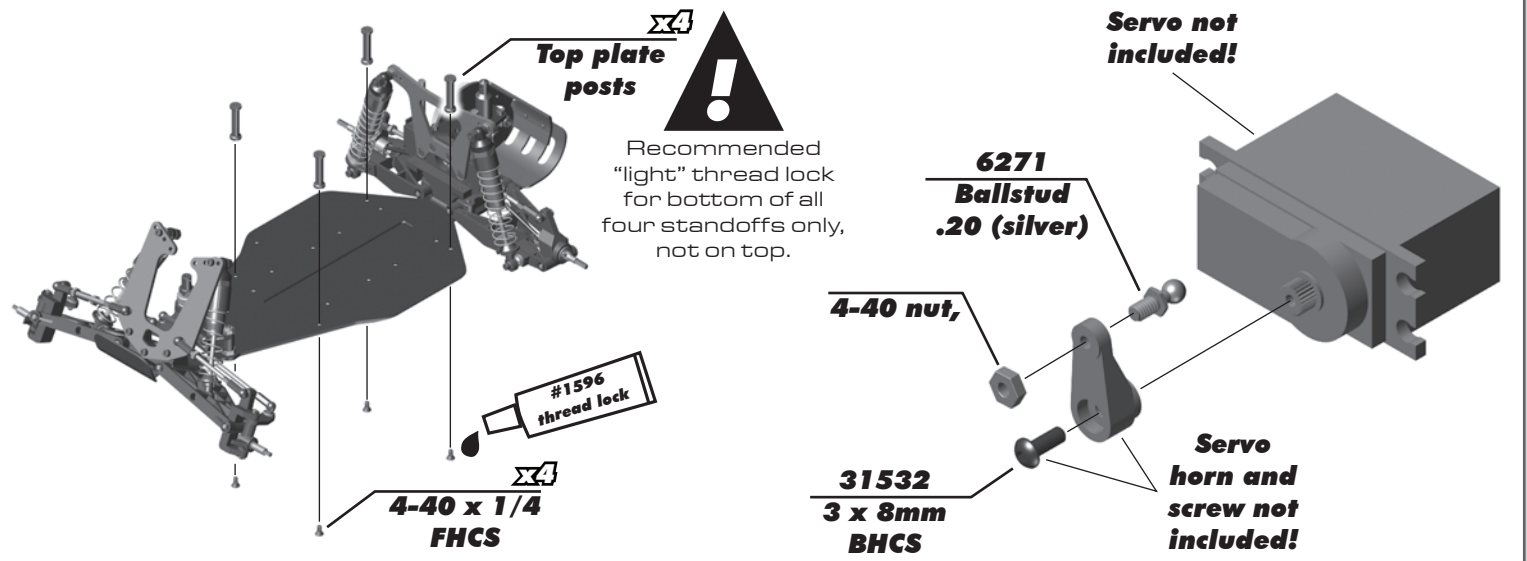


Build left and right sides!

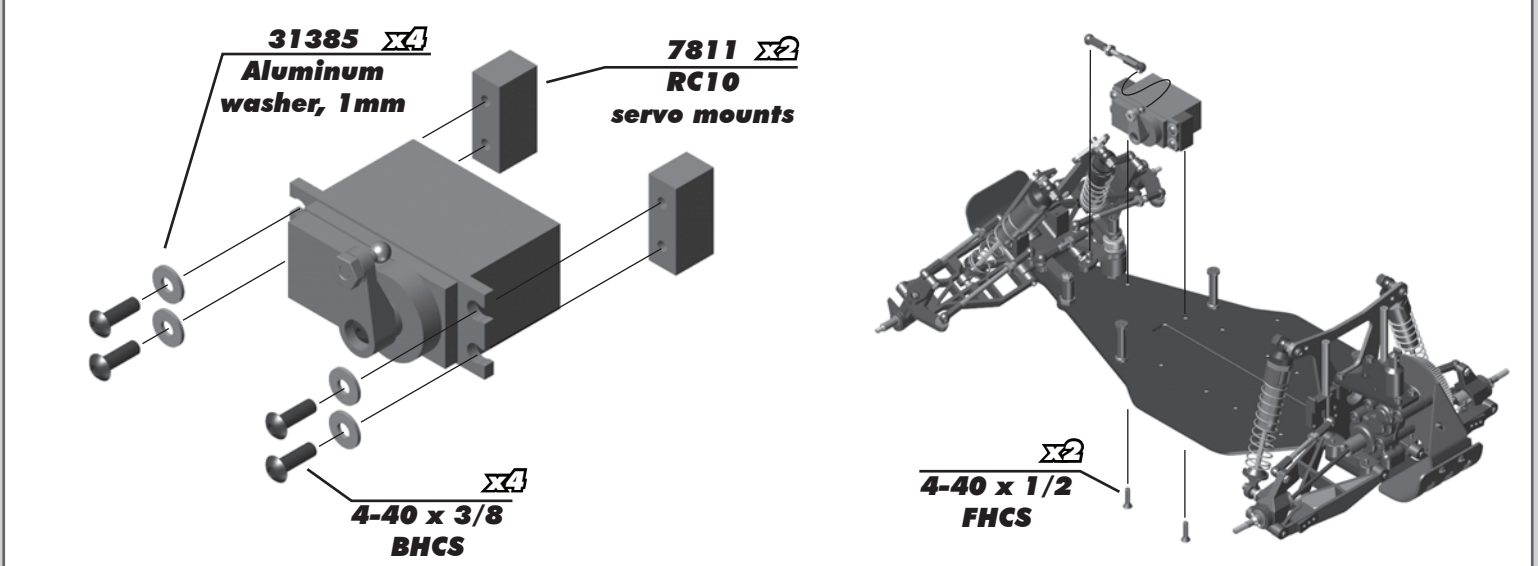
:: Shocks Build - Bag F - Step 7



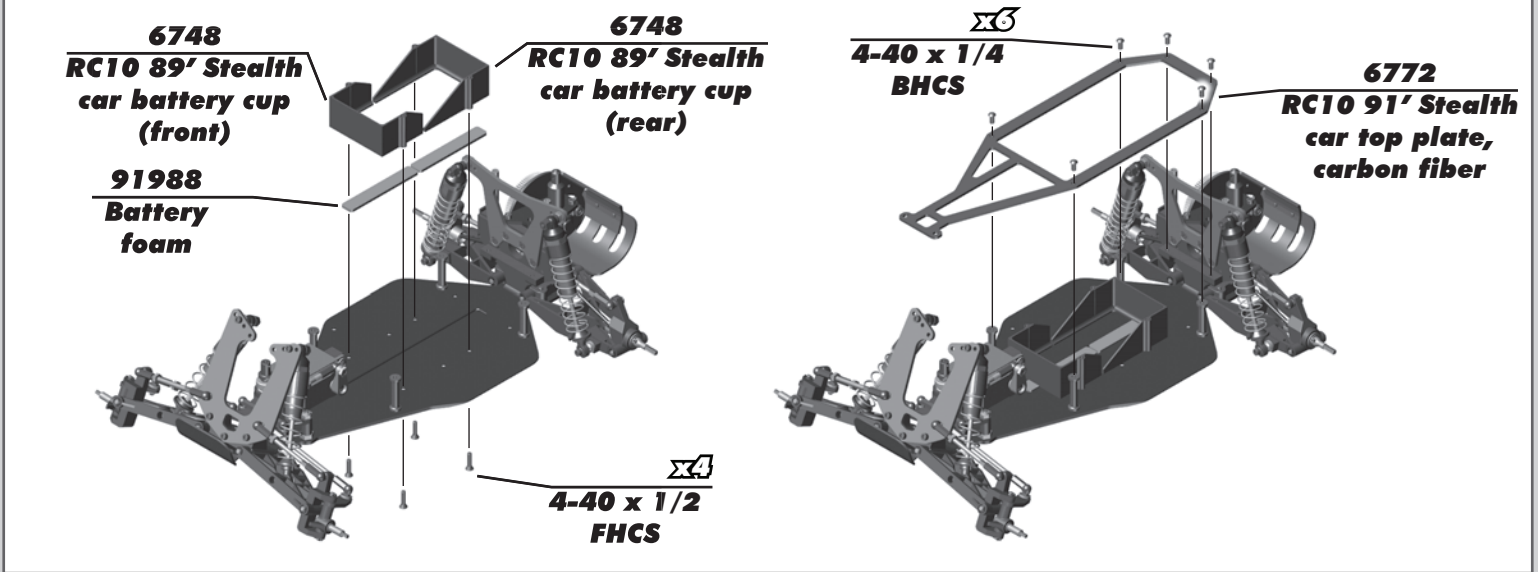
:: Top Plate / Electronics Build - Bag G - Step 1



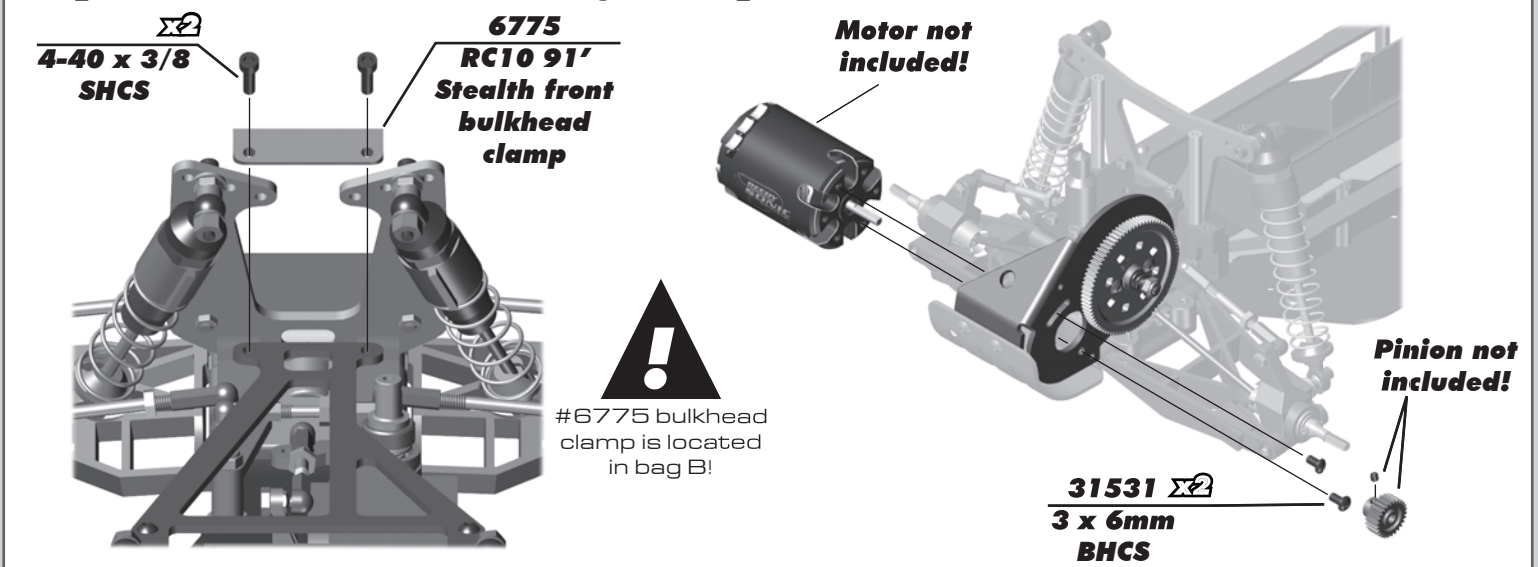
:: Top Plate / Electronics Build - Bag G - Step 2



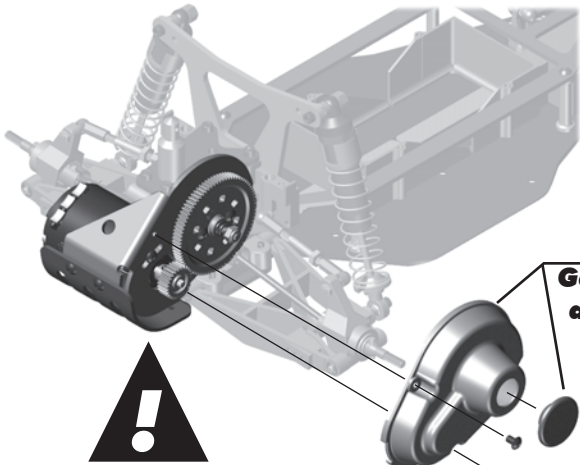
:: Top Plate / Electronics Build - Bag G - Step 3



:: Top Plate / Electronics Build - Bag G - Step 4



:: Top Plate / Electronics Build - Bag G - Step 5

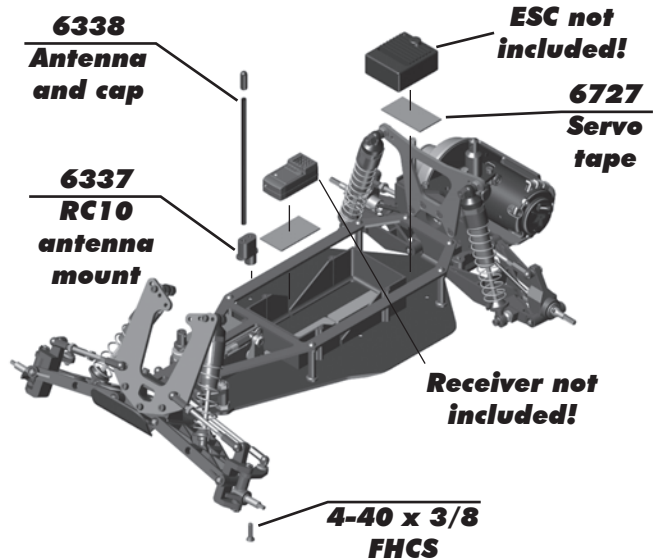


6566
Gear cover
and plug



Gear cover, plug, and hardware are located in bag C!

4-40 x 3/16
BHCS



6338
Antenna
and cap

ESC not included!

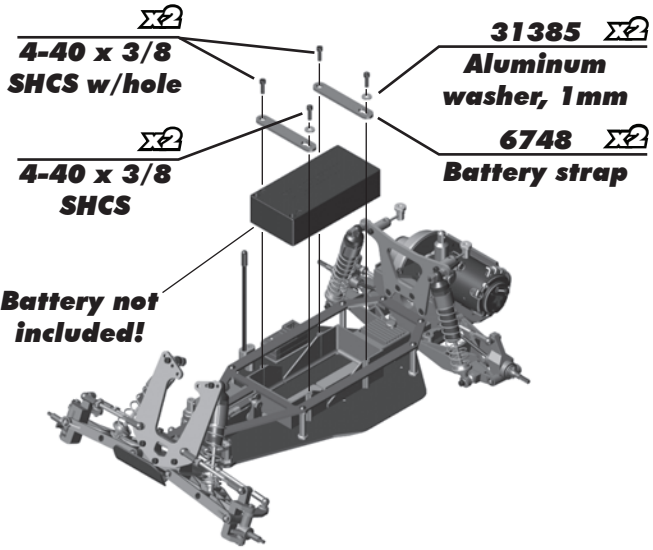
6727
Servo
tape

6337
RC10
antenna
mount

Receiver not included!

4-40 x 3/8
FHCS

:: Top Plate / Electronics Build - Bag G - Step 6



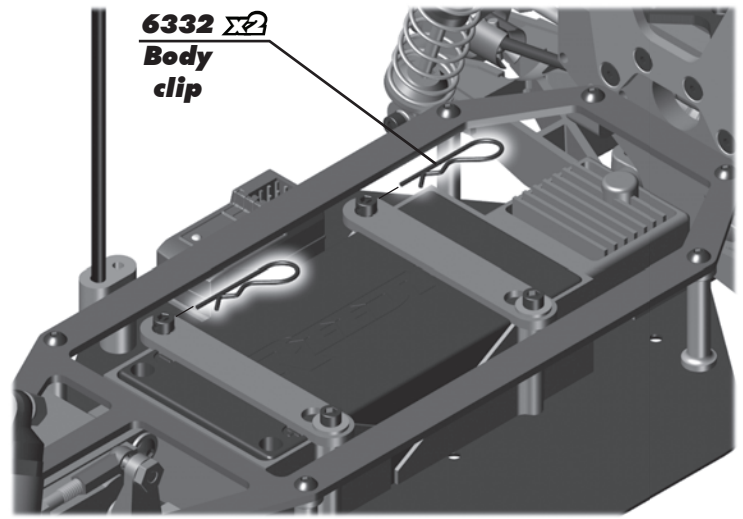
4-40 x 3/8
SHCS w/ hole

31385
Aluminum
washer, 1mm

4-40 x 3/8
SHCS

6748
Battery strap

Battery not included!



6332
Body
clip

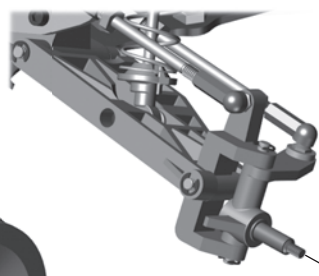
:: Wheels / Tires and Body - Bag H - Step 1

6791
RC10 91'
Stealth car
front tires



Pro Tip!
Front tires may fit tight on the front wheels. Use a drop of water to lubricate the tire bead during installation.

6852
Front wheels,
1 Piece



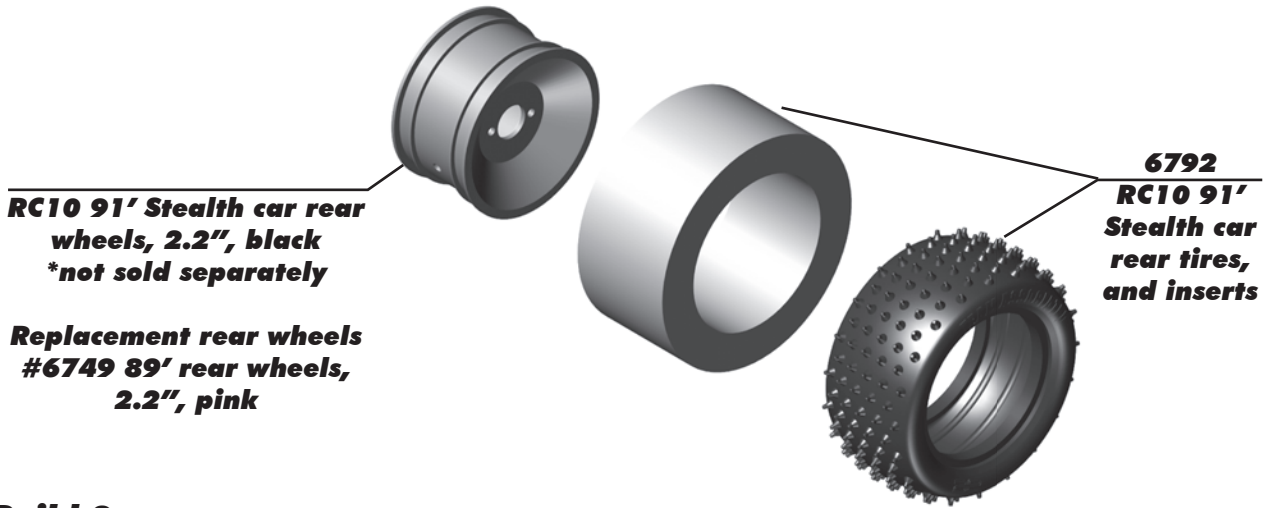
6902
Flanged Bearing
3/16 x 5/16 x 1/8



5-40
locknut

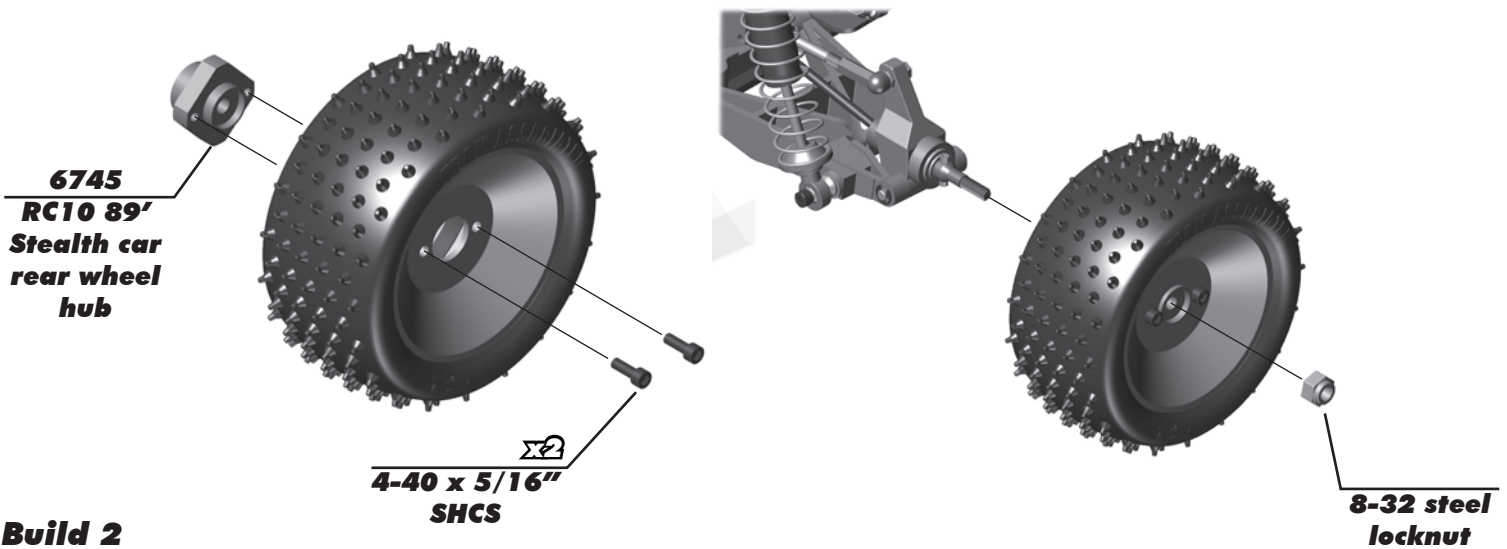
Build 2

:: Wheels / Tires - Bag H - Step 2



Build 2

:: Wheels / Tires - Bag H - Step 3



Build 2

:: Optional Wing Mount - Bag I - Step 1

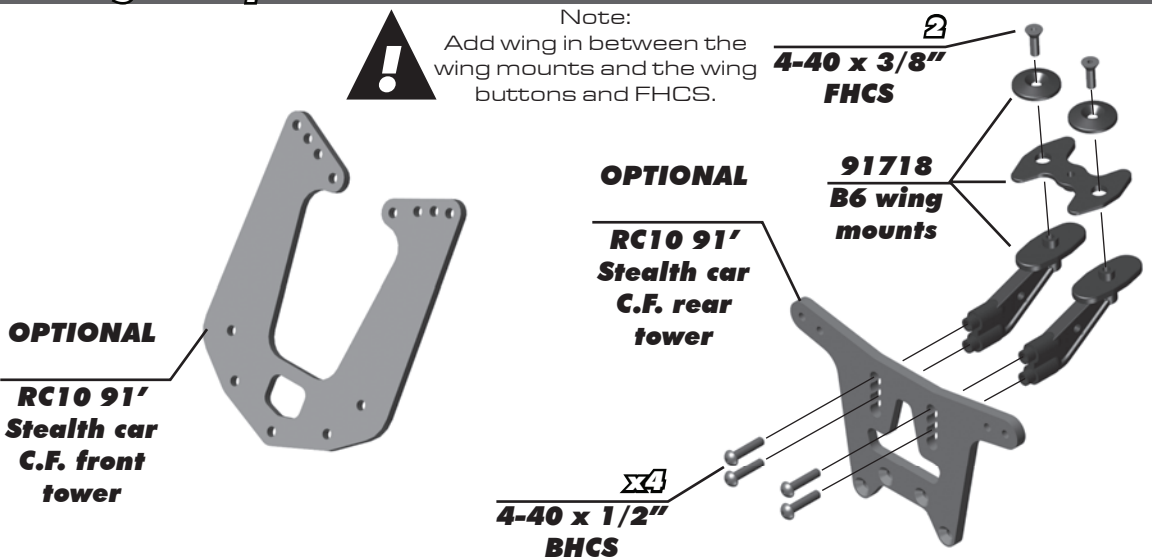


Note:
Installing the B6 wing mount requires cutting the rear portion of the body off for clearance.

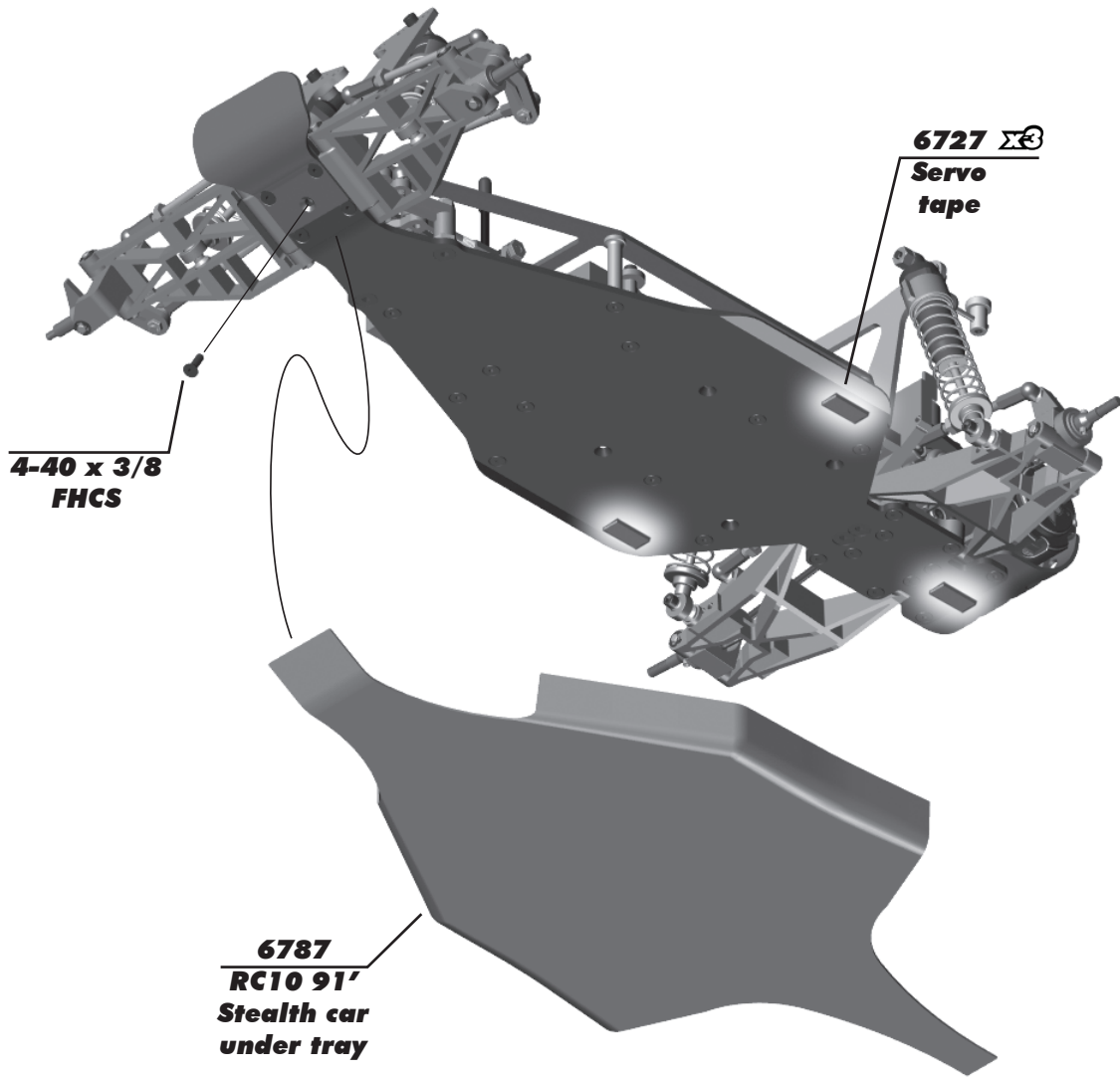
When using the B6 wing mount, it is recommended to use adhesive hook and loop tape to secure the body to the sides of the under tray.



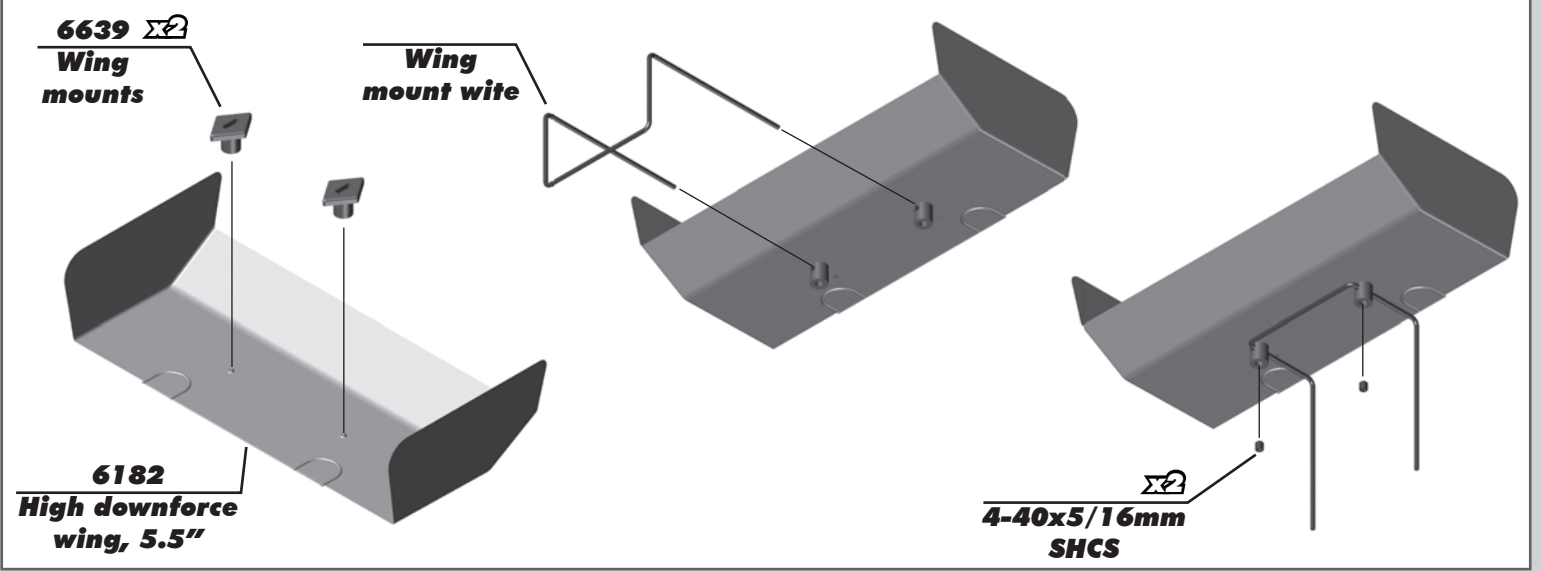
Note:
Add wing in between the wing mounts and the wing buttons and FHCS.



:: Under Tray Install - Step 1



:: Body and Wing - Step 1



:: Body and Wing - Step 2

Painting Tips:

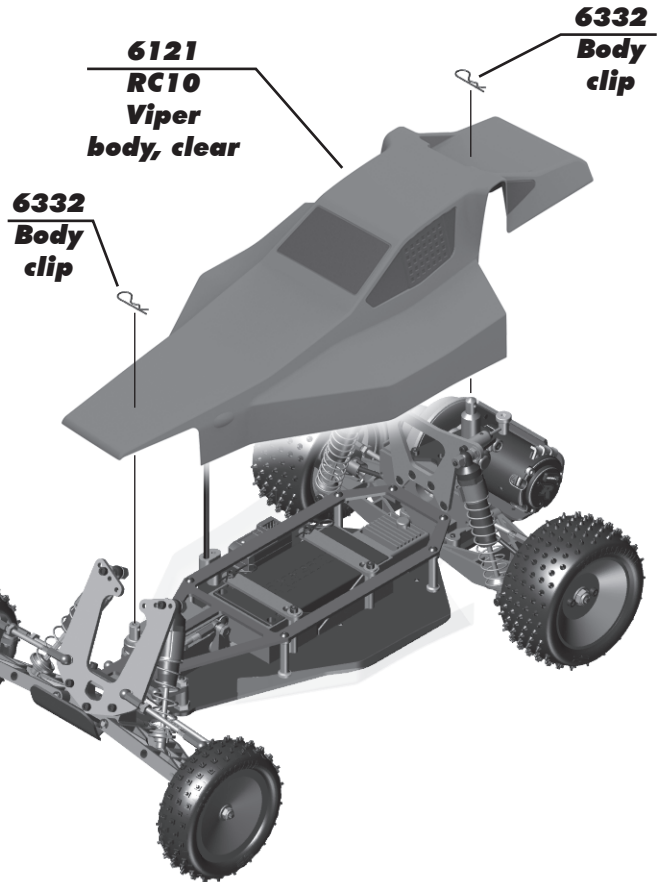
Your RC 10 Kit comes with a clear polycarbonate body and wing. You will need to prep the body and wing before you can paint them. Wash the inside thoroughly with warm water and liquid detergent. Dry the body and wing using a clean, soft, lint-free cloth. Use high quality masking tape to make masks for 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).

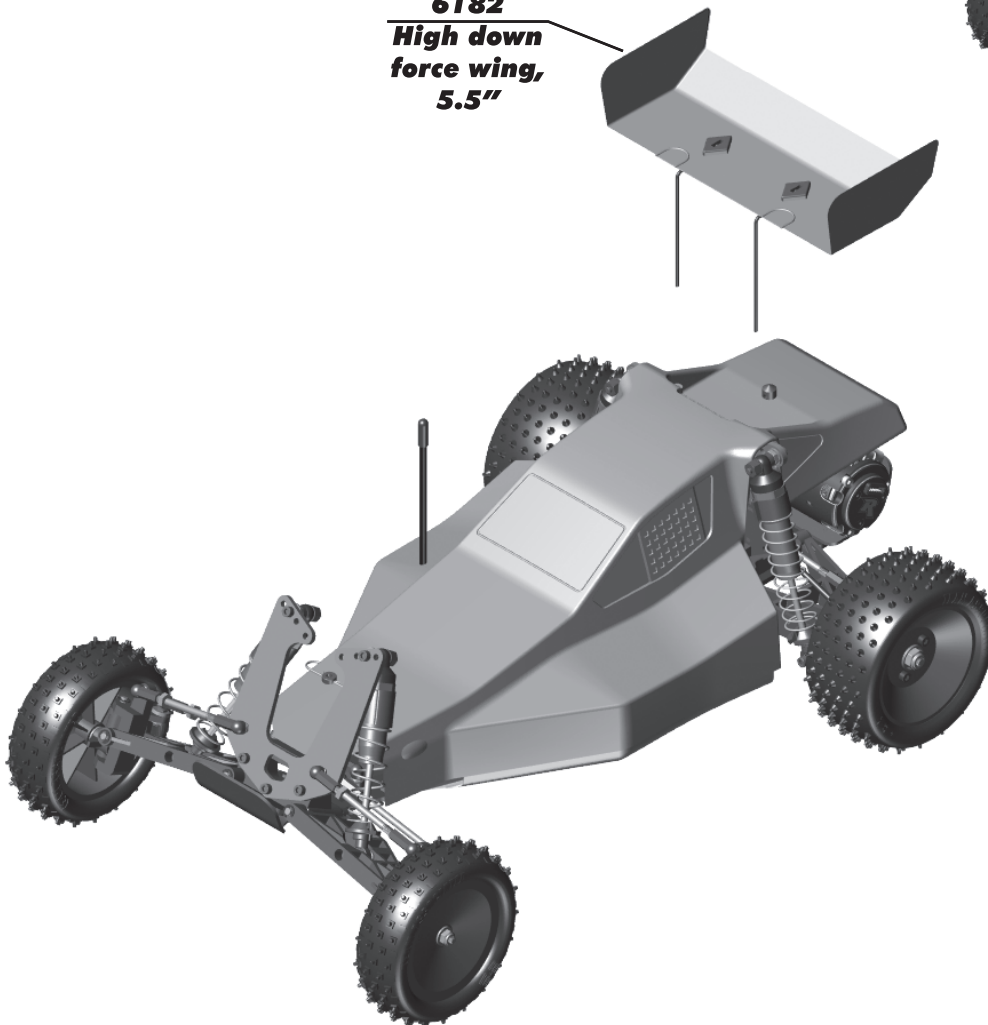
NOTE: use ONLY paint that is recommended for use with (polycarbonate) plastics. If you do not, you can destroy the plastic body and wing!!!!).

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!

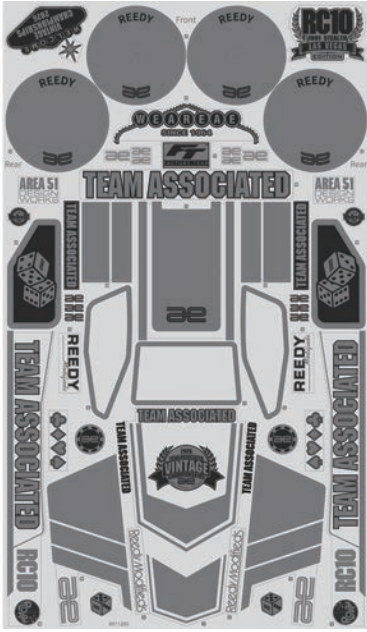


**6182
High down
force wing,
5.5"**

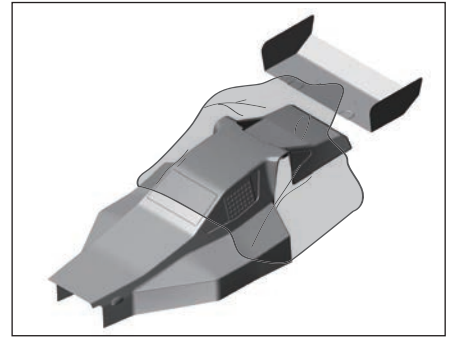


Pro Tip!
Wheel dot decals are
included in your kit!

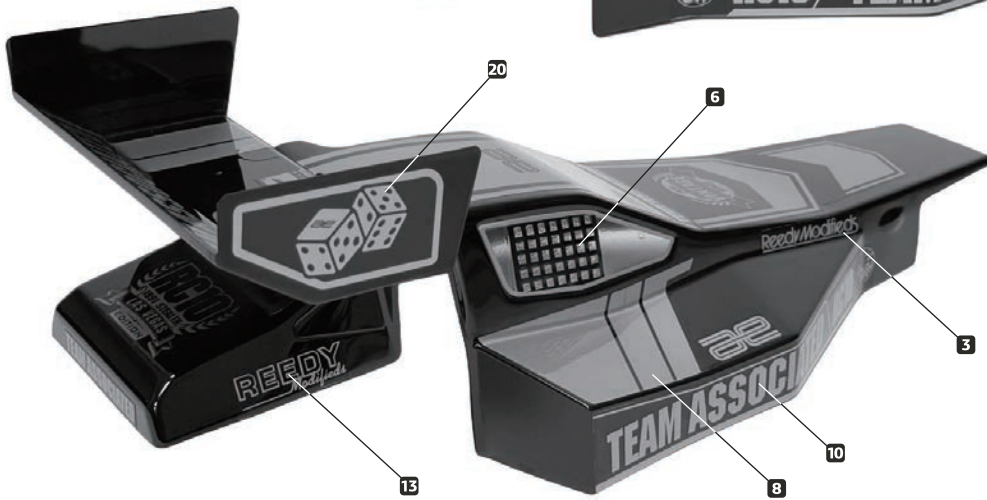
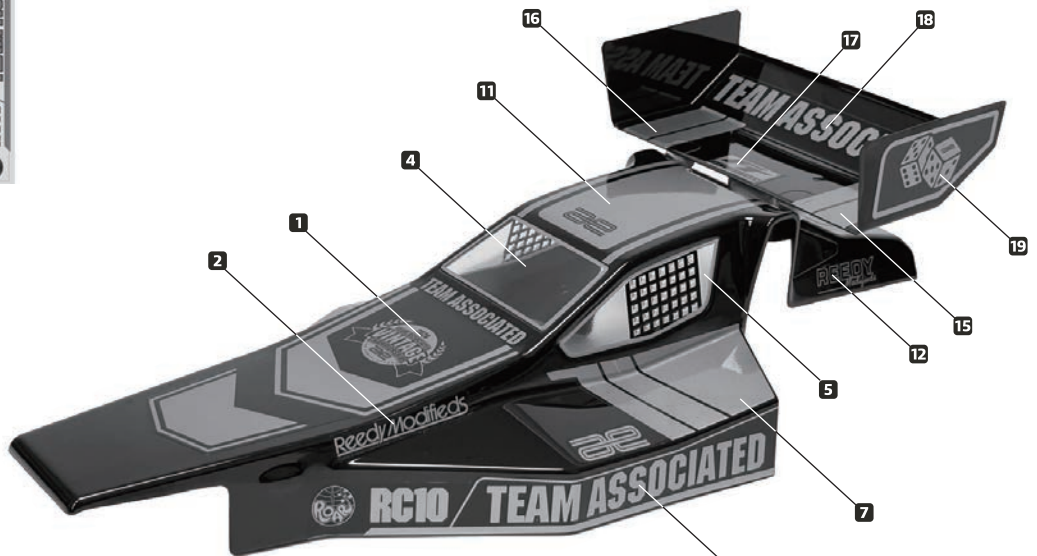
:: Body



91 VEGAS
Body Decal



NOTE: Remove protective film before applying decals.





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