

RC10

FACTORY TEAM

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



TEAM ASSOCIATED



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

#6049 RC10 Factory Team 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 vehicle. Please take a moment to read through the manual and familiarize yourself with the steps. We are continually changing and improving our designs; therefore, actual parts may appear slightly different than 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.

Check www.AssociatedElectrics.com for the latest versions of our instruction manuals.

RC10 FT Kit Features

- New Factory Team vintage body
- New Factory Team front and rear carbon fiber front shock towers (big bore compliant)
- New rear shock tower integrates B6 rear wing mount
- B6 rear wing mount included
- New Factory Team 12mm hex front steering block
- New Factory Team 12mm hex front axle and rear CVA's
- 12mm Hex B7 wheels included
- B7 Servo mount included
- Heavy Duty Metric Ball Studs
- Carbon fiber transmission brace
- Heavy Duty Ball Cups and 3.5mm adjustable turnbuckles
- New Factory Team captured hinge pins
- Kashima coated 13mm big bore factory team shocks included
- All Black plastics
- Full ball bearings included
- Bronze color anodized chassis, noseplate and motorplate
- Clear RC10 B7 wing included
- New Factory Team vintage logo decal sheet
- V2 slipper system included
- Independent suspension with durable long front arms and refined geometry
- World's Car bellcrank steering
- Body hook and loop tape to side of chassis

Additional

Your new kit comes unassembled and requires the following items for completion (refer to www.AssociatedElectrics.com and www.Reedypower.com for suggestions):

- R/C two channel surface frequency radio system
- AA-size batteries for transmitter
- Electronic Speed Control ("ESC")
- Steering servo
- R/C electric motor (540 size)
- Pinion gear (48P), size determined by type/turn or kV of motor
- Battery charger (a peak detection charger, or LiPo compatible charger)
- 2 cell LiPo battery pack
- Polycarbonate specific spray paint
- Cyanoacrylate glue ("CA") (#1697)
- Thread locking compound (#1596)
- Tires and Inserts, Fronts and Rears
- Wheels w/12mm Hex
 - Front Wheels #9690 (white), #9691 (yellow)
 - Rear Wheels #9695 (white), #9696 (yellow)
- Slim Front Wheels w/12mm Hex (carpet/astro turf)
 - #91757 (white) #91758 (yellow)

Other Helpful Items

- Silicone Shock Fluid (Refer to AssociatedElectrics.com for complete listings)
- Green Slime shock lube (#1105)
- FT Turnbuckle Wrench, 4mm (#1112)
- FT Body Reamer (#1499)
- Shock Pliers (#1681)
- Wire Cutters
- FT Hex/Nut Wrenches 11/32" (#1519)
- FT Ballcup Wrench (#1579)
- Hobby Knife
- Needle Nose Pliers
- FT Universal Tire Balancer (#1498)
- Calipers or a Precision Ruler
- FT Body Scissors (#1737)
- Soldering Iron

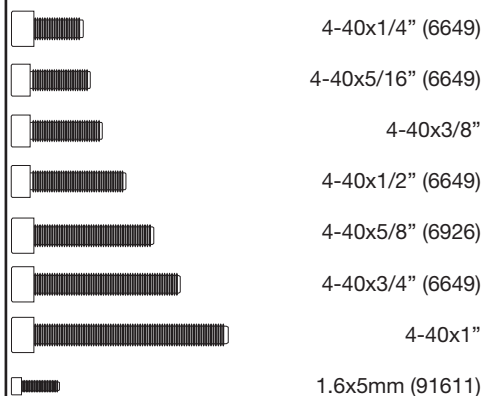
Associated Electrics, Inc.
21062 Bake Parkway
Lake Forest, CA 92630



Customer Service
Tel: 949.544.7500
Fax: 949.544.7501

:: Hardware - 1:1 Scale View

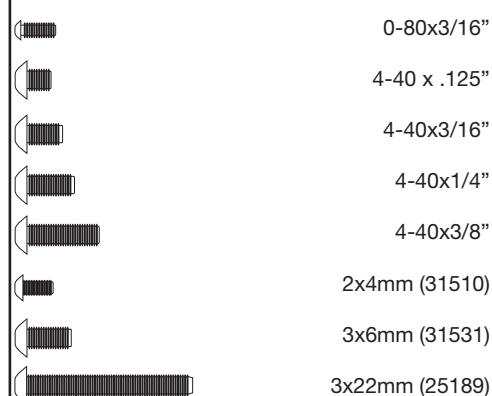
Cap Head (shcs)



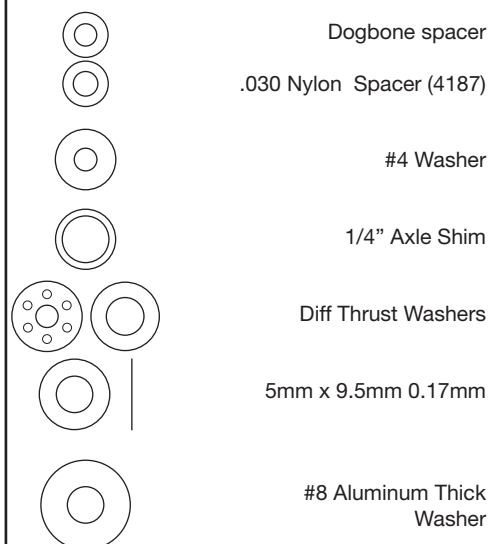
Flat Head (fhcs)



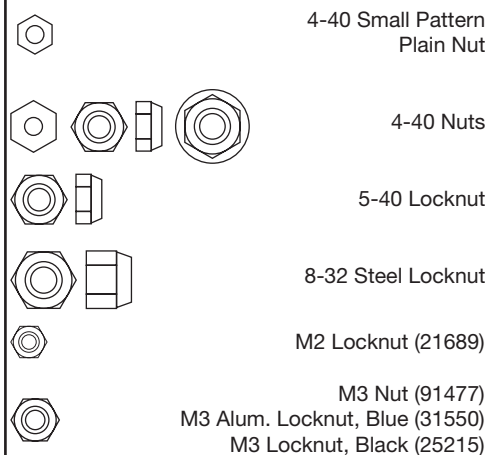
Button Head (bhcs)



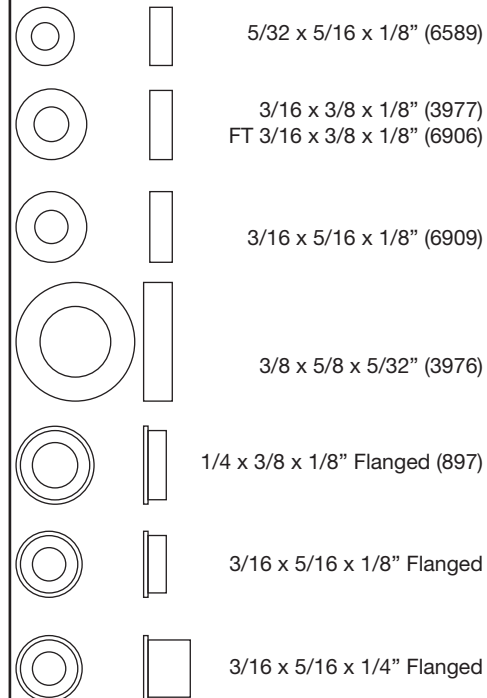
Shims and Washers



Nuts (lock/plain)



Ball Bearings



Set Screws



Diff Balls



Notes:

Ballstuds

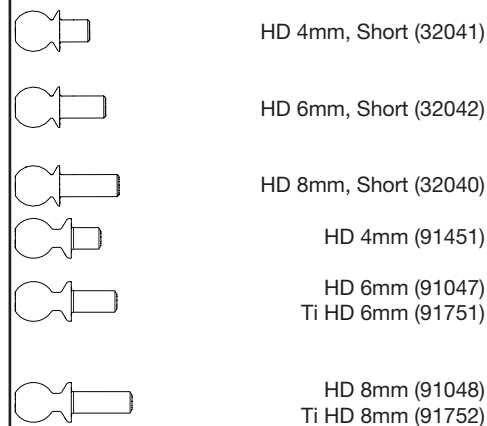


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Notes



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

x2

This symbol indicates the number of the same part that is required.

2

This symbol indicates the order within a step to assemble parts.



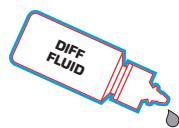
This symbol indicates there are optional FT parts available



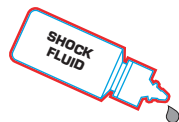
This symbol indicates a Racers Tip.



This symbol indicates where Thread Lock Adhesive should be applied. *not included



This symbol indicates where Diff Fluid should be applied.



This symbol indicates where Shock Fluid should be applied.



This symbol indicates where FT Silicone Grease should be applied. *not included



This symbol indicates where FT Diff Lube should be applied. *not included



This symbol indicates where Black Grease should be applied.

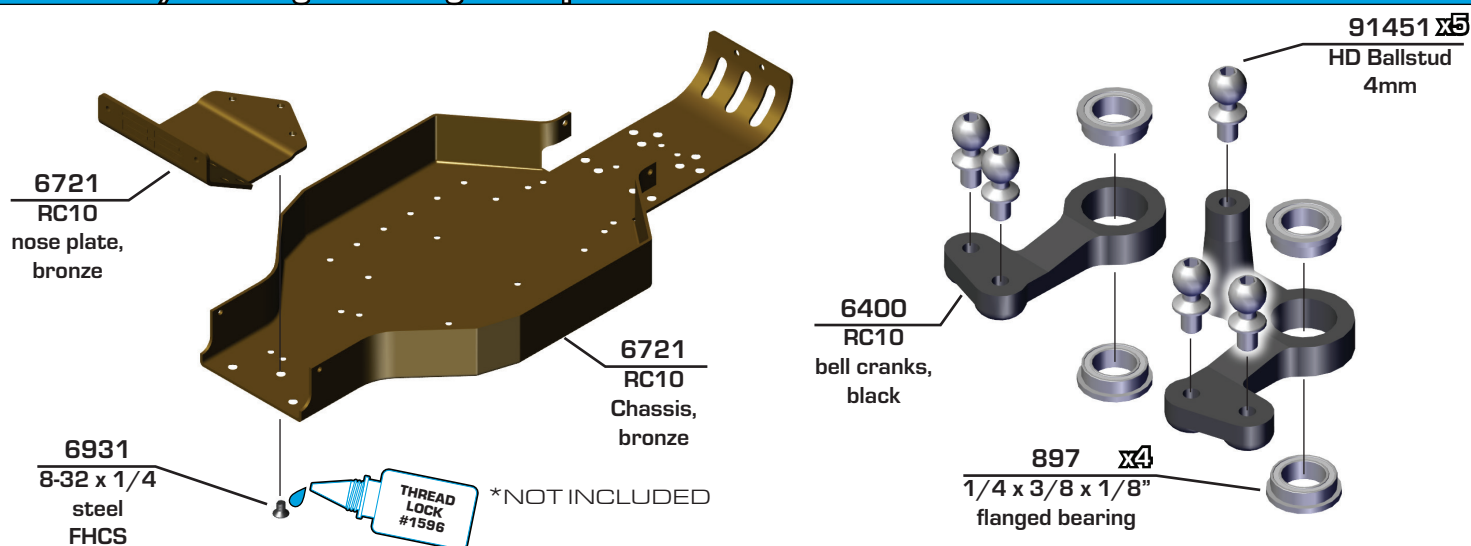


This symbol indicates where Green Slime can be applied. *not included

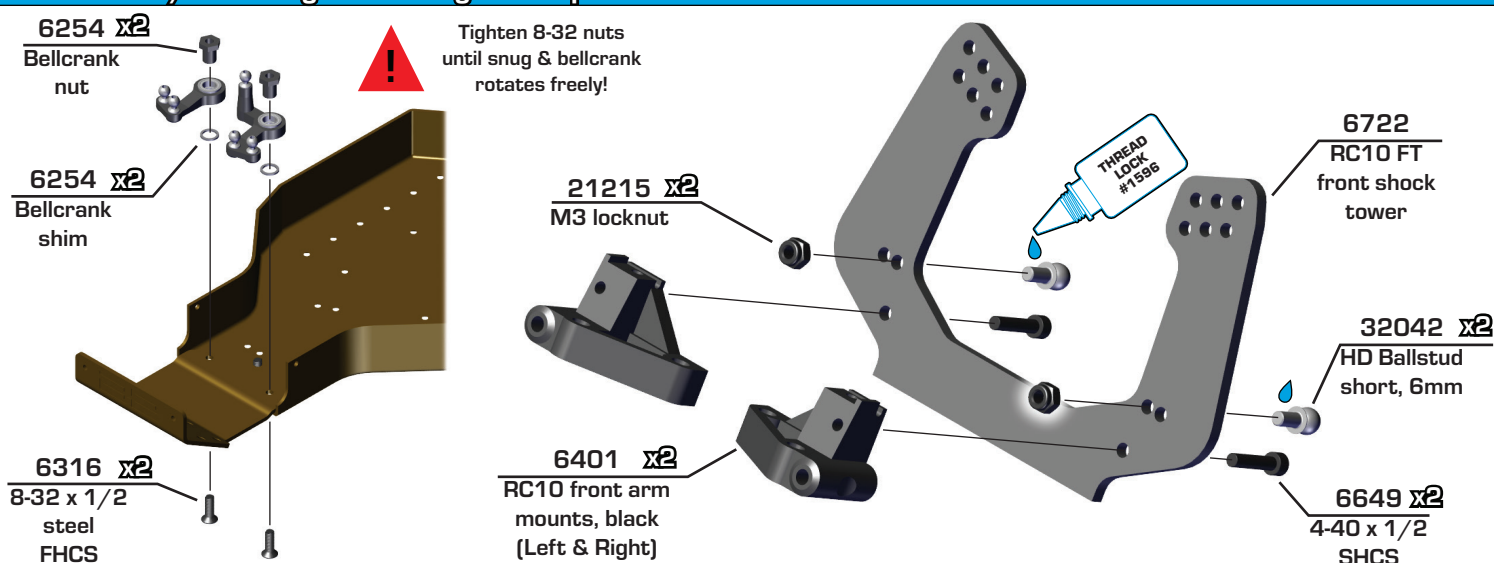


There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.

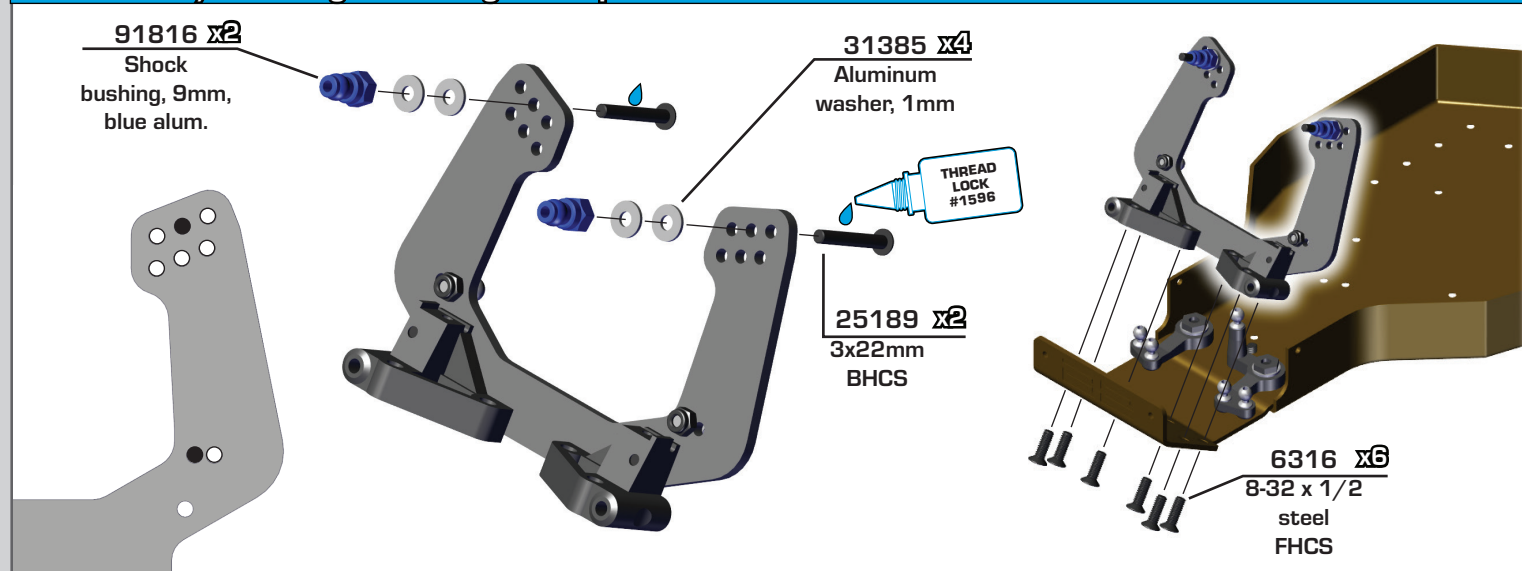
:: Nose Plate / Steering Build - Bag A - Step 1



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

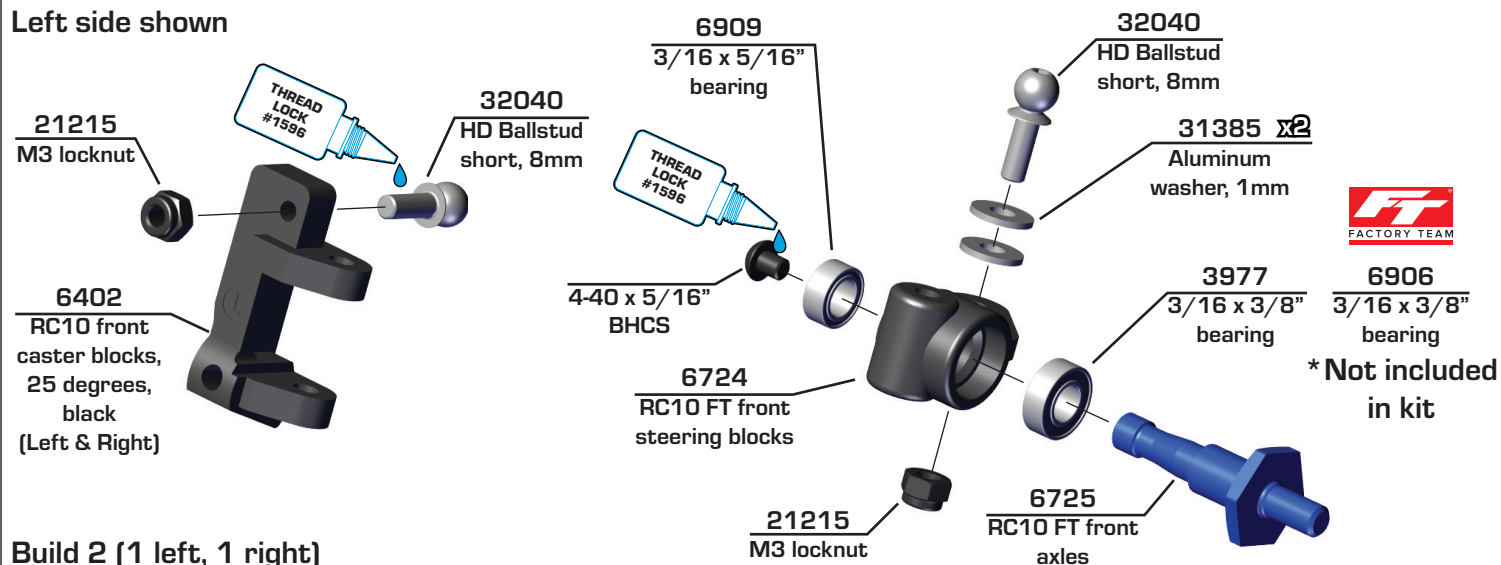


:: Nose Plate / Steering Build - Bag A - Step 3

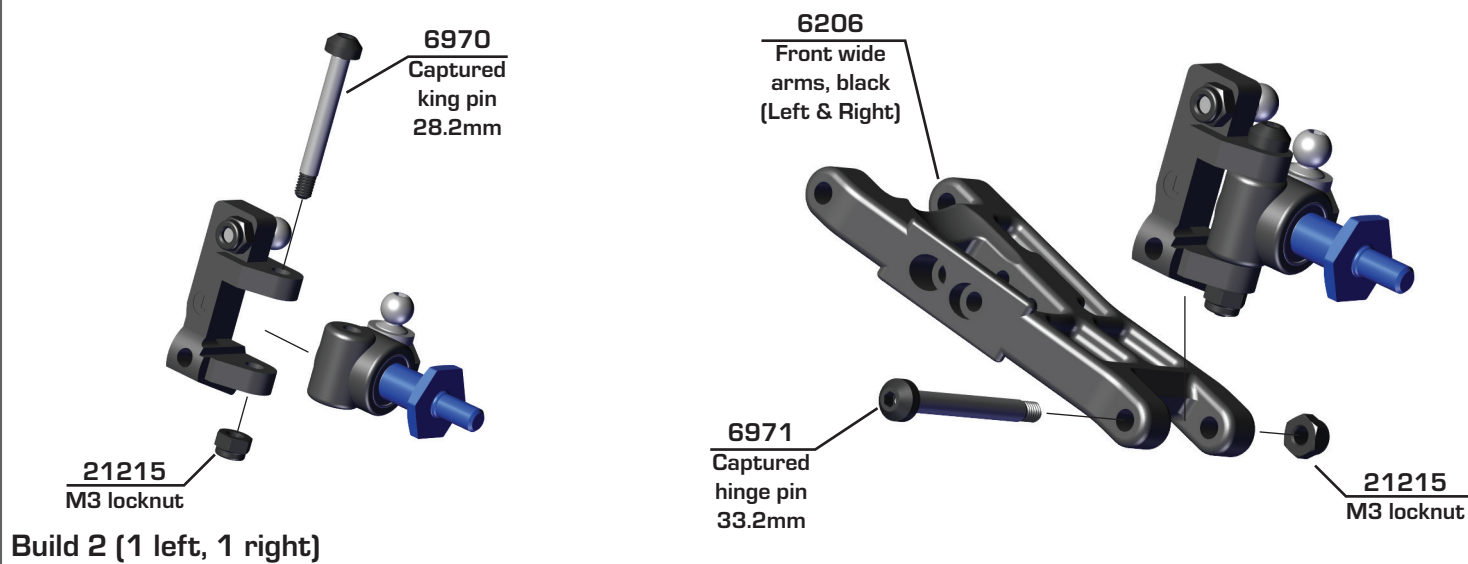


Front Suspension Build - Bag B - Step 1

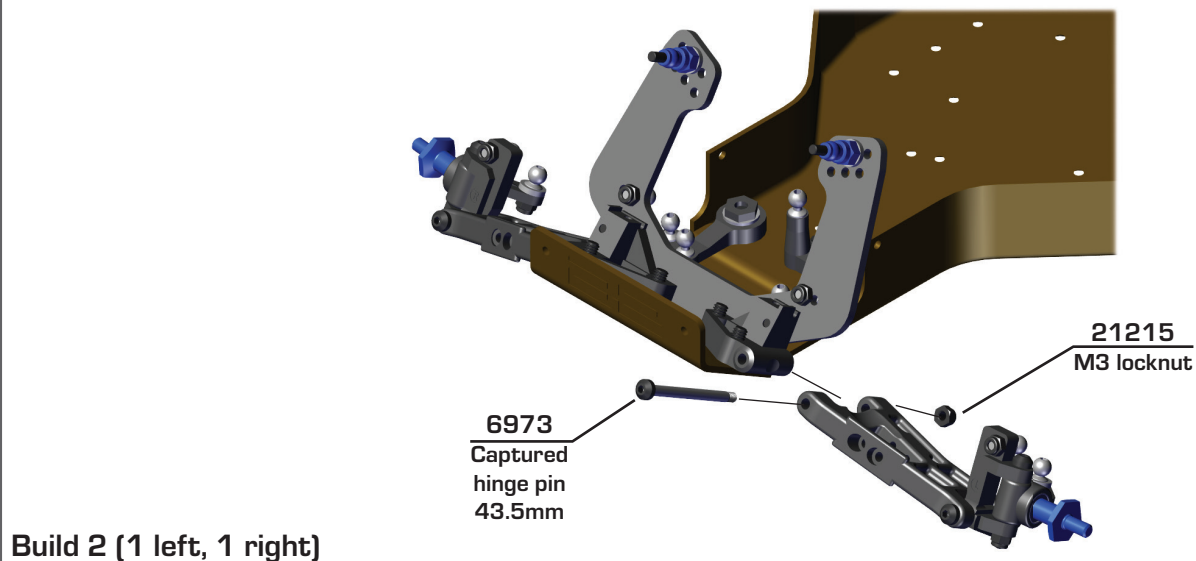
Left side shown



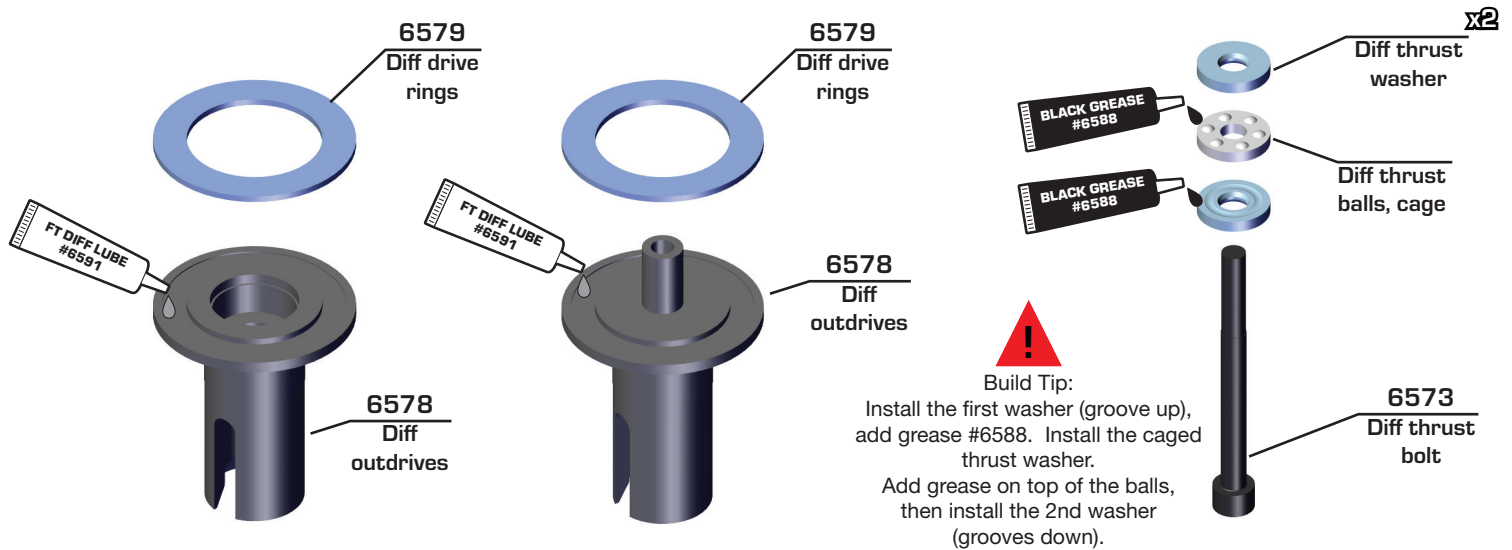
Front Suspension Build - Bag B - Step 2



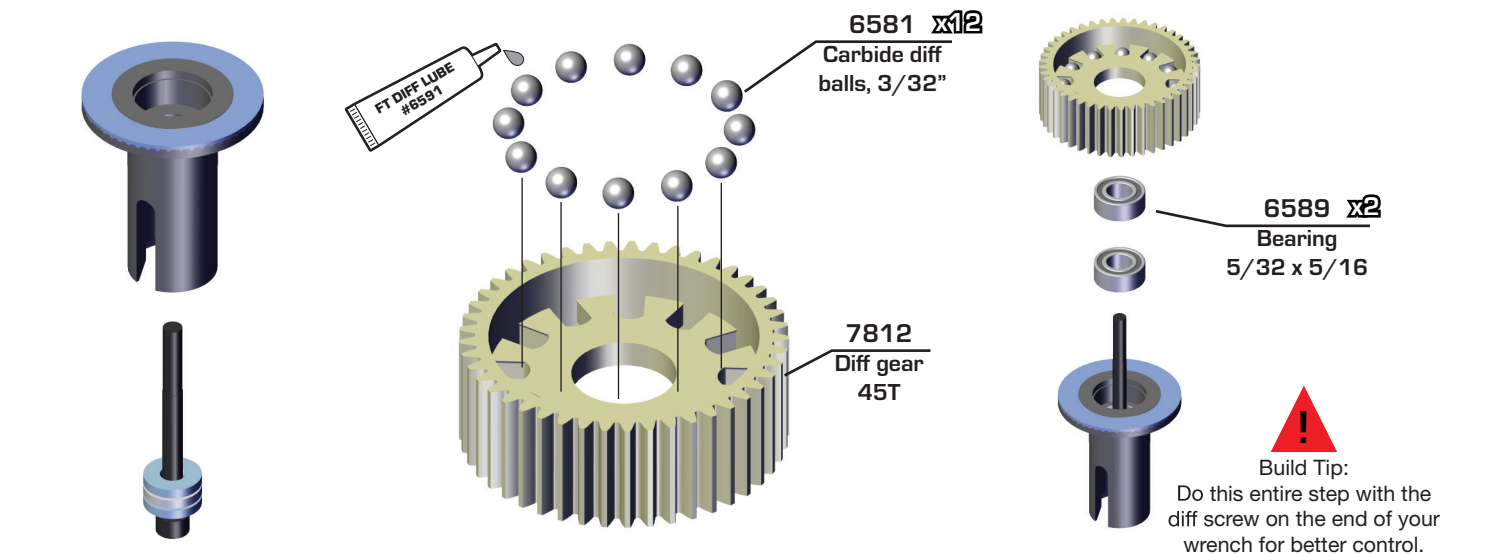
Front Suspension Build - Bag B - Step 3



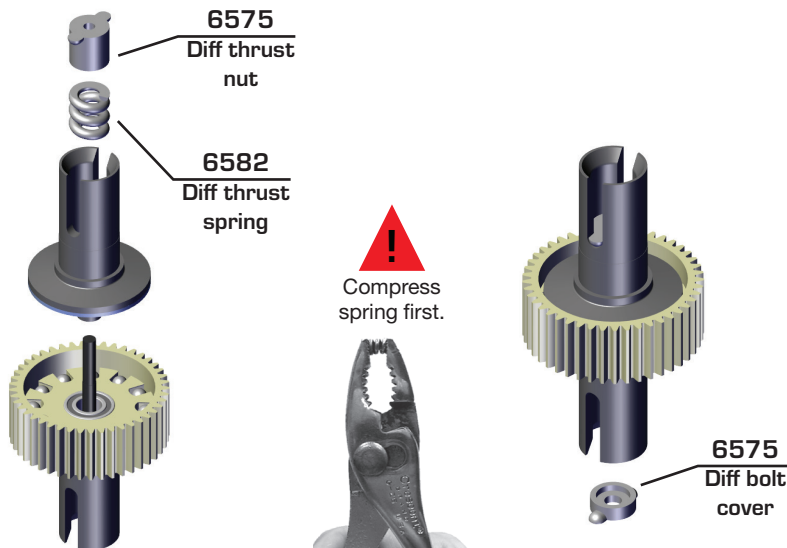
⚙️ Transmission Build - Bag C - Step 1



Transmission Build - Bag C - Step 2



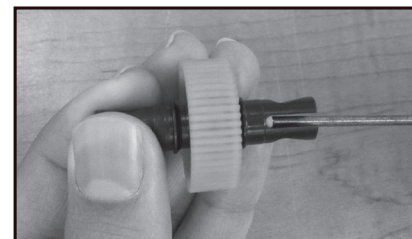
Transmission Build - Bag C - Step 3



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 outrdrives move in opposite directions.

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



:: Transmission Build - Bag C - Step 4

6560
Complete
Stealth
transmission

6564
RC10WC Stealth
transmission case
black, right

6569
Idler gear

9601
Top shaft



3977 x4
Bearing
3/16 x 3/8"

6906
3/16 x 3/8"
bearing

*Not included
in kit

3976 x2
Bearing
3/8 x 5/8"

FT DIFF LUBE
#6591

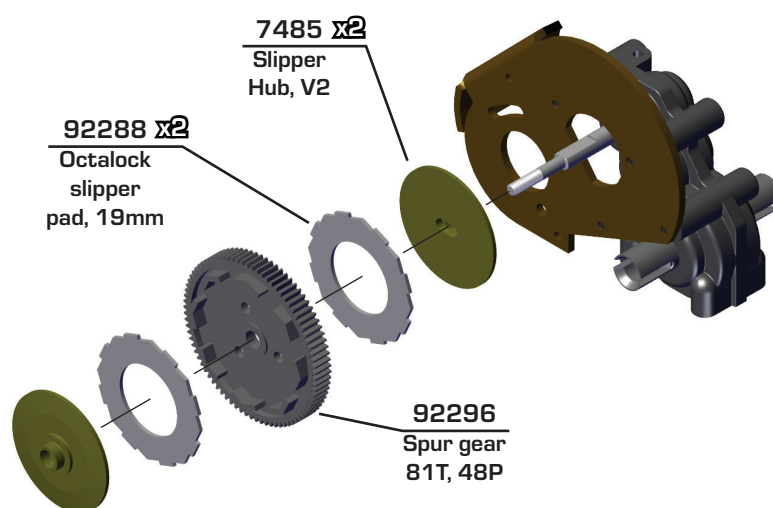
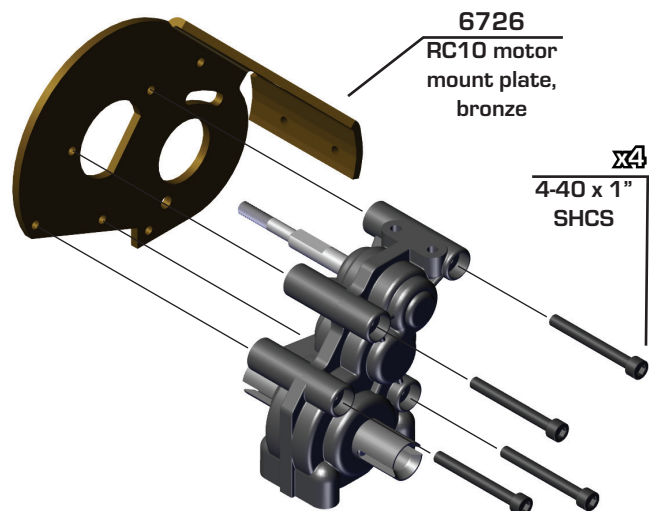
6569
Idler gear
shaft

6564
RC10WC Stealth
transmission case
black, left

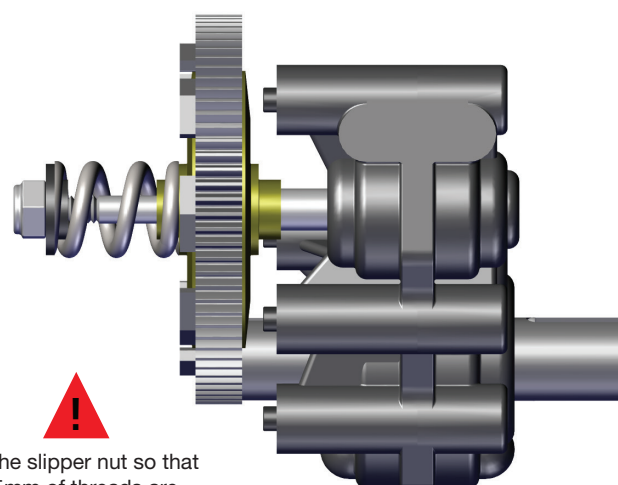
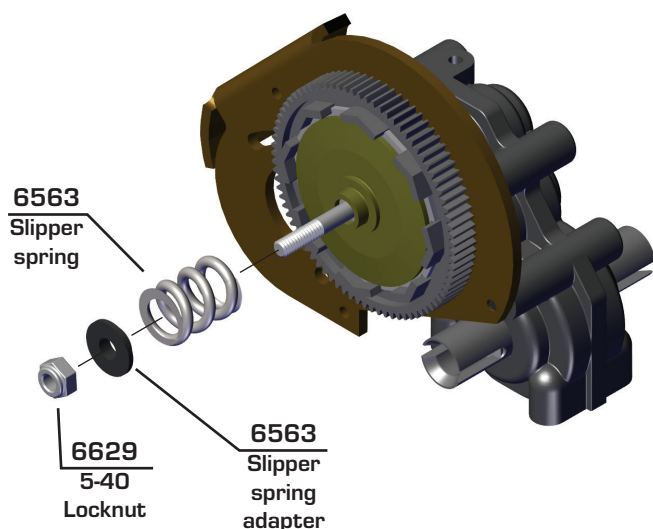


Install the diff with the diff bolt
head facing the spur gear side
of the transmission!

:: Transmission Build - Bag C - Step 5

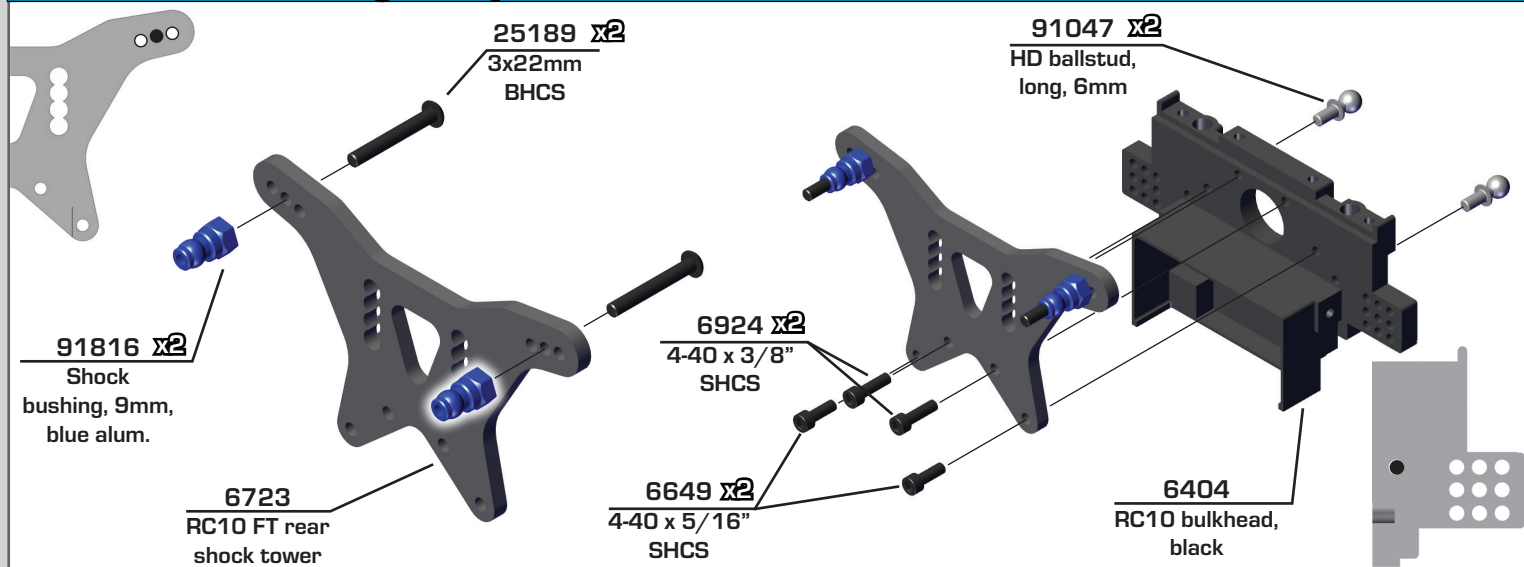


:: Transmission Build - Bag C - Step 6

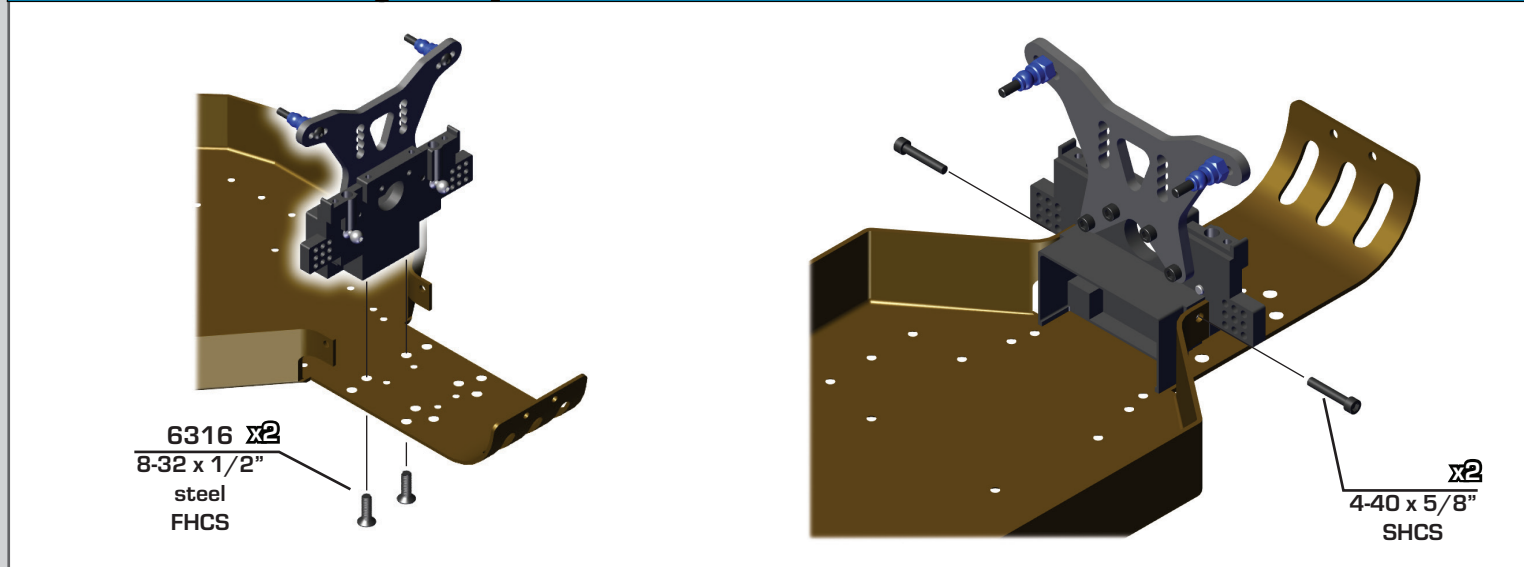


Set the slipper nut so that
2.5mm of threads are
showing on the top shaft.

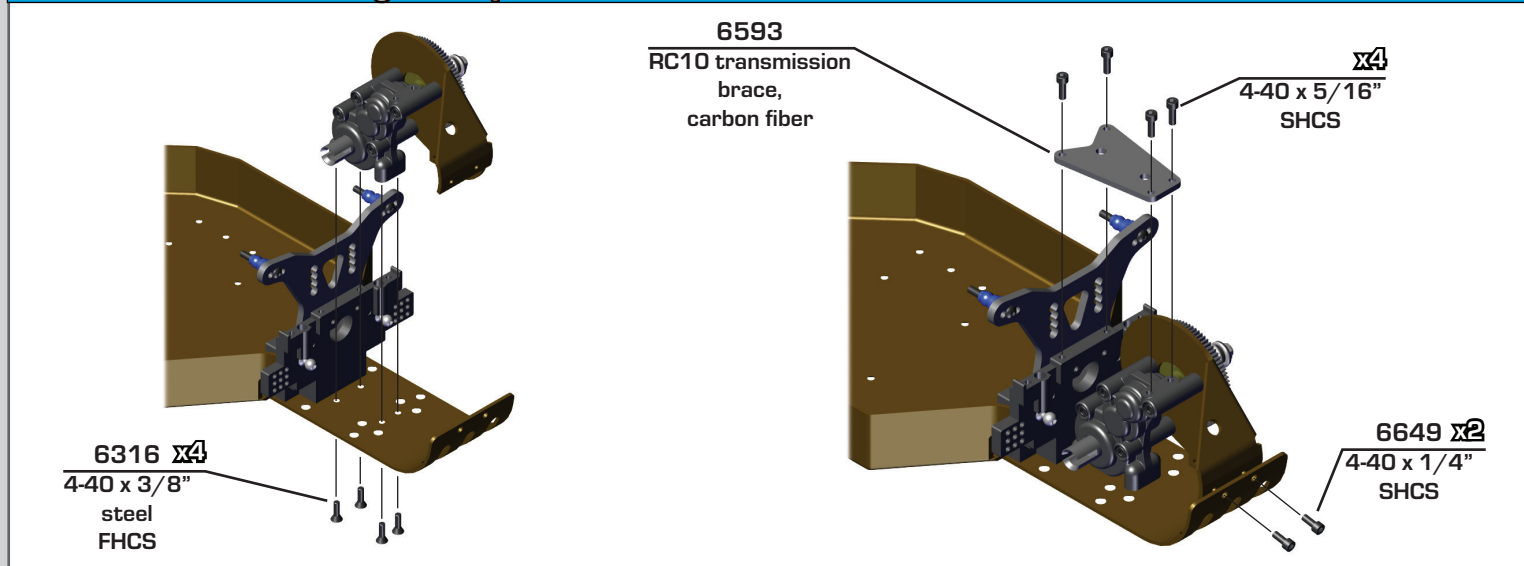
:: Rear Bulkhead Build - Bag D - Step 1



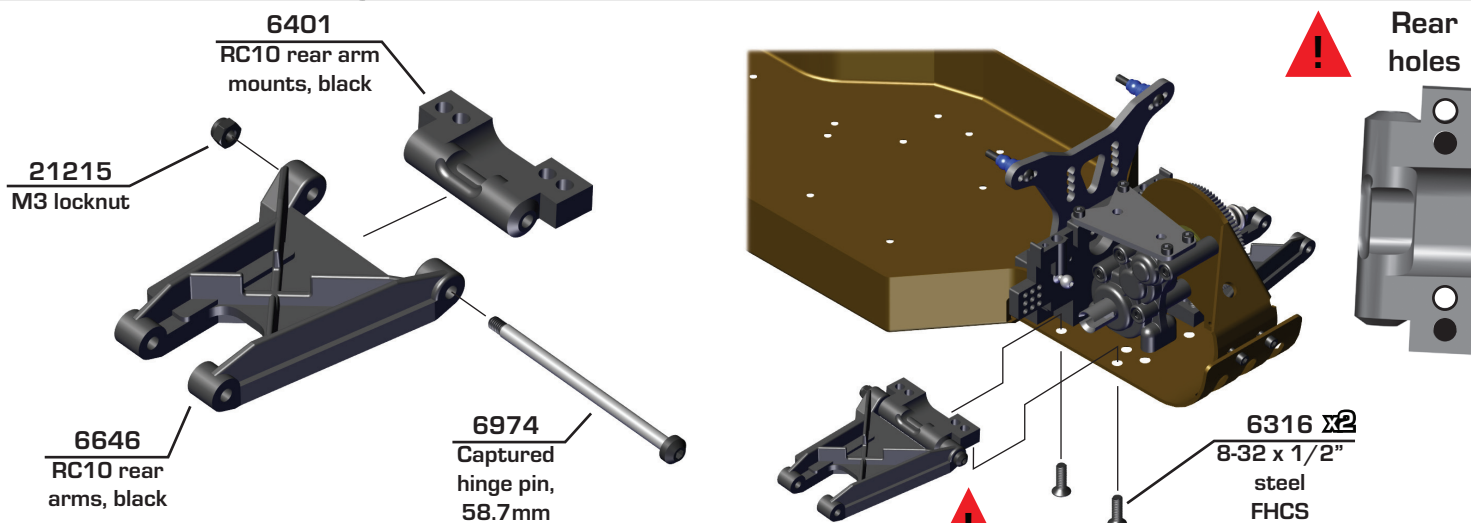
:: Rear Bulkhead Build - Bag D - Step 2



:: Rear Bulkhead Build - Bag D - Step 3

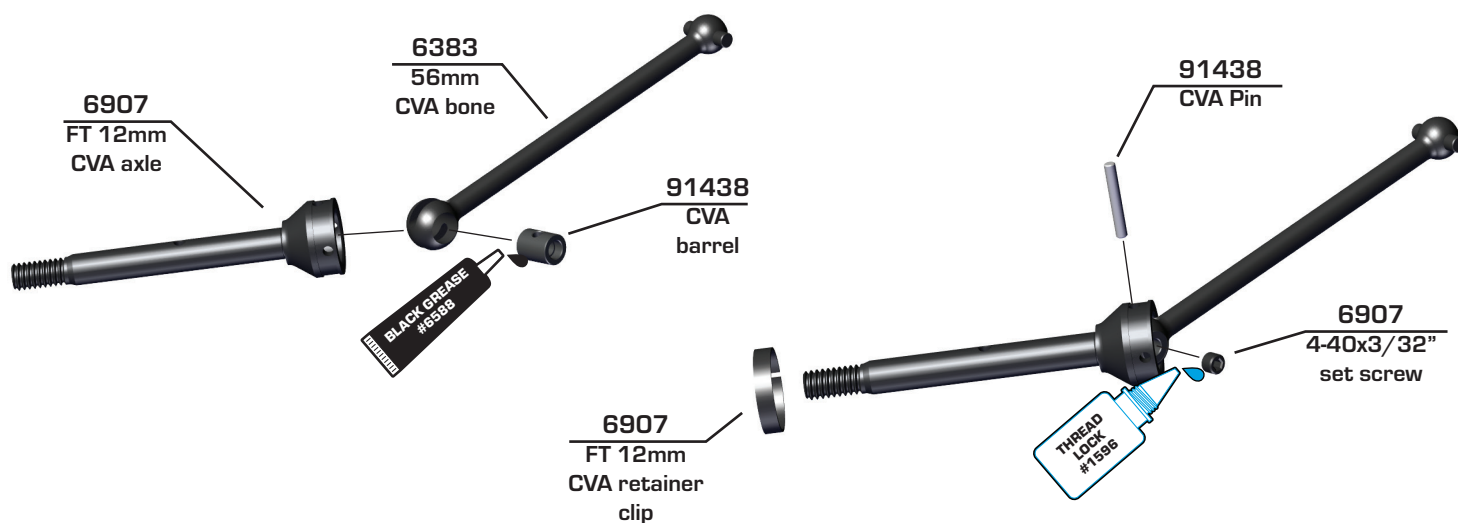


Rear Suspension Build - Bag E - Step 1



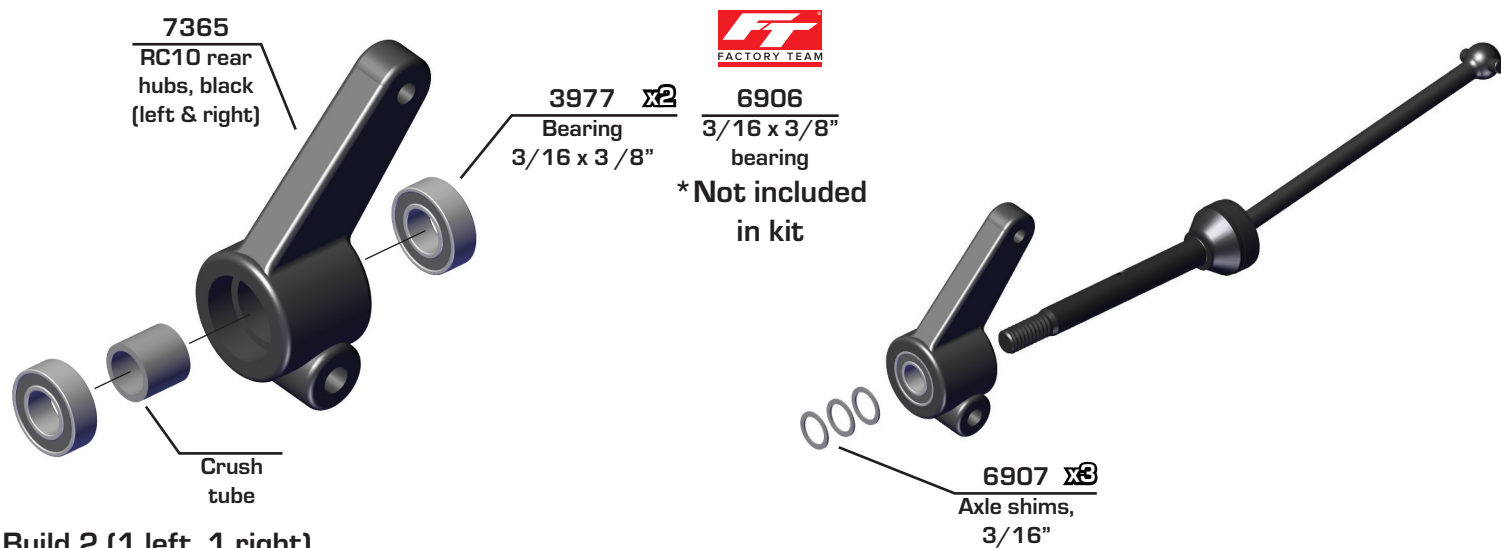
Build 2 (1 left, 1 right)

Rear Suspension Build - Bag E - Step 2



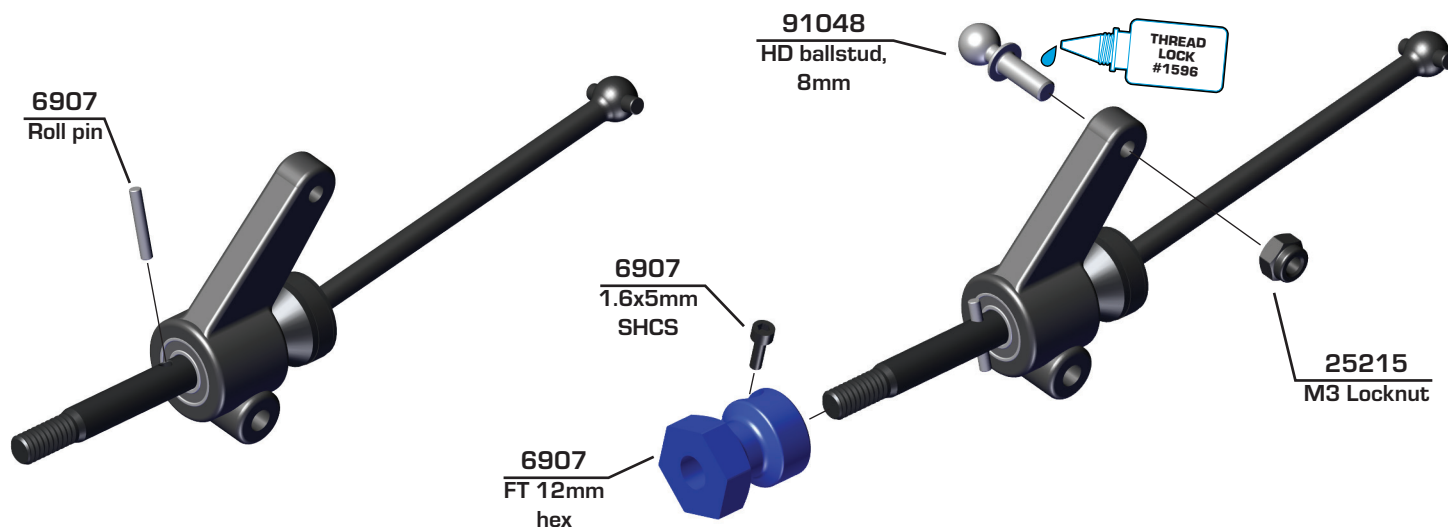
Build 2 (1 left, 1 right)

Rear Suspension Build - Bag E - Step 3



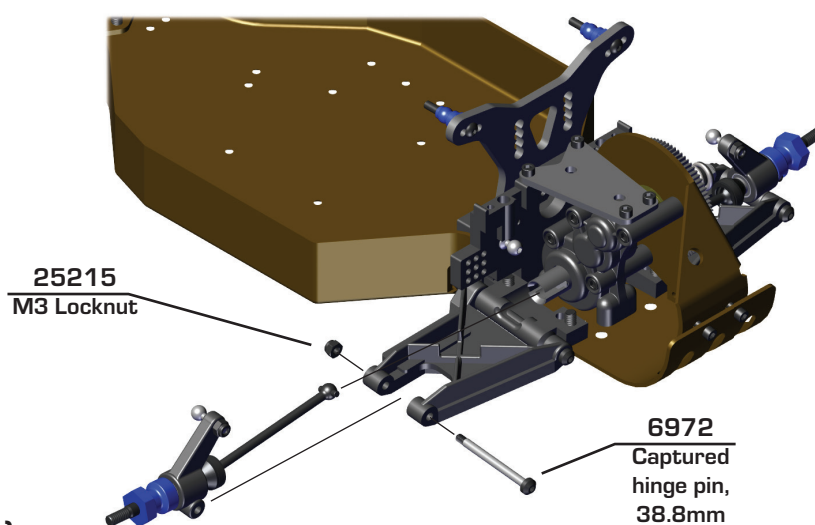
Build 2 (1 left, 1 right)

:: Rear Suspension Build - Bag E - Step 4



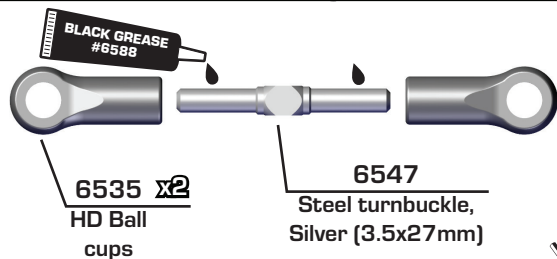
Build 2 (1 left, 1 right)

:: Rear Suspension Build - Bag E - Step 4



Build 2 (1 left, 1 right)

:: Turnbuckles Build - Bag F - Step 1



Steering Rack Turnbuckle
0.31" (8mm)



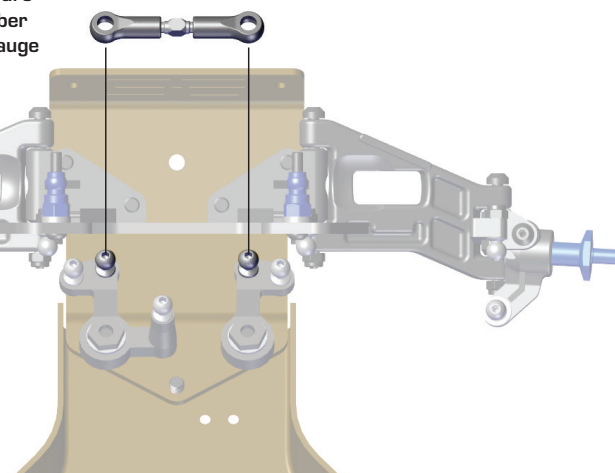
! Orient the notch to the left throughout the car. It indicates which end has the left hand threads!

! Measurements given are approximation. Camber should be set with a gauge at ride height.

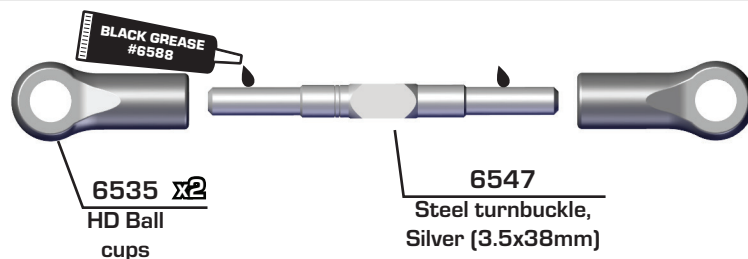
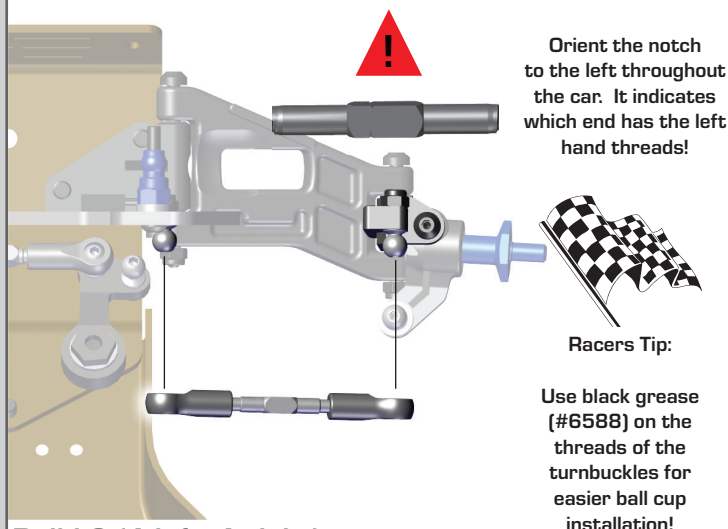


Racers Tip:

Use black grease (#6588) on the threads of the turnbuckles for easier ball cup installation!



:: Turnbuckles Build - Bag F - Step 2



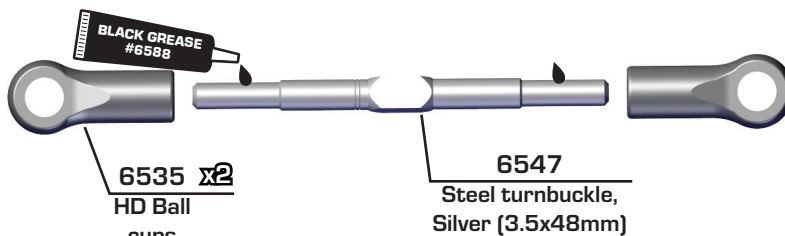
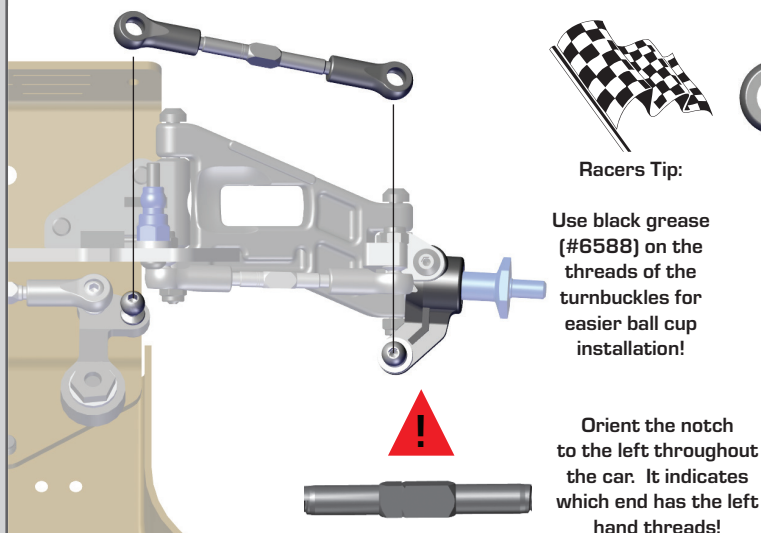
Front Camber Turnbuckle 0.90" (23.00mm)

Recommended turnbuckle lengths are approximate.

Final recommended settings:

- 0 degree Front Toe in
- 2 Degree Front Camber
- 3 Degree Rear Camber.

:: Turnbuckles Build - Bag F - Step 3



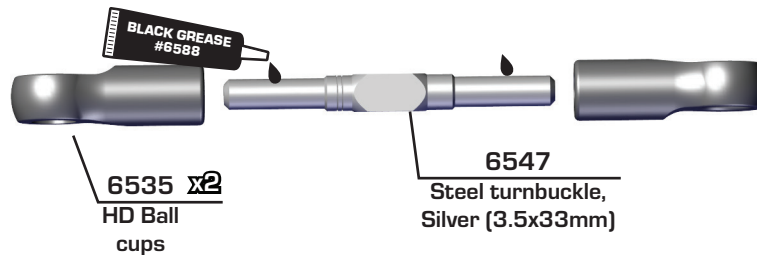
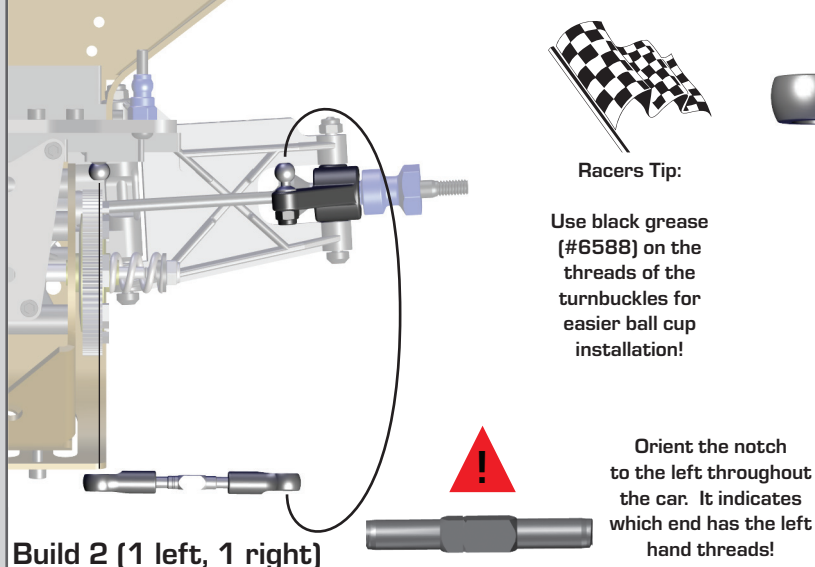
Steering Turnbuckle 1.18" (30.00mm)

Recommended turnbuckle lengths are approximate.

Final recommended settings:

- 0 degree Front Toe in
- 2 Degree Front Camber
- 3 Degree Rear Camber.

:: Turnbuckles Build - Bag F - Step 4



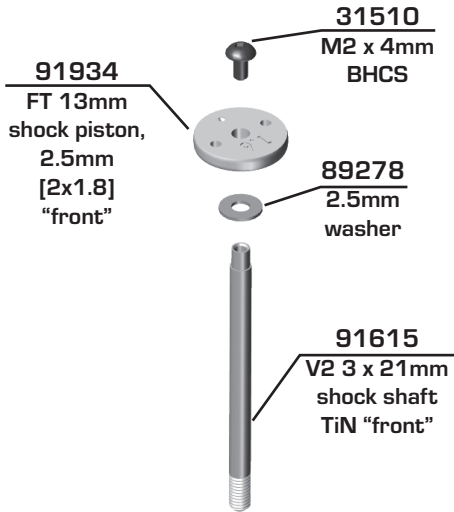
Rear Camber Turnbuckle 0.74" (19.00mm)

Recommended turnbuckle lengths are approximate.

Final recommended settings:

- 0 degree Front Toe in
- 2 Degree Front Camber
- 3 Degree Rear Camber.

:: Shocks Build - Bag G - Step 1



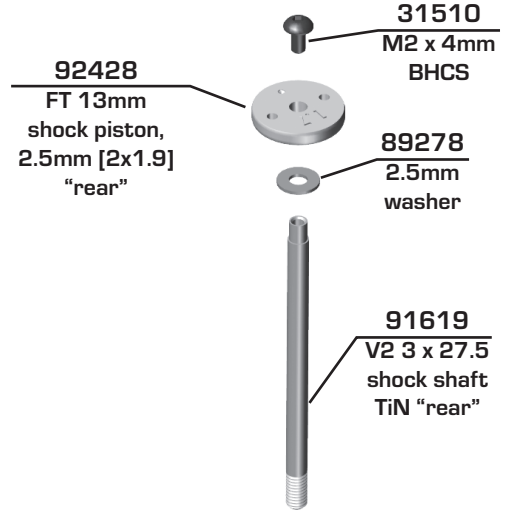
Build x2 front shocks


Mount the shock pistons
with the number facing
up!



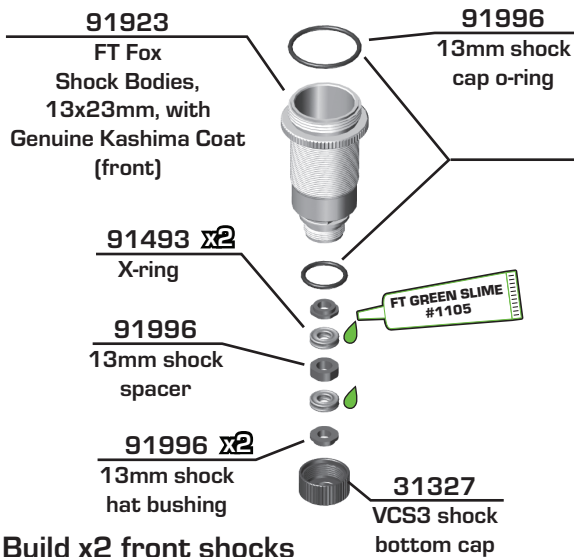
Racers Tip:

Use marker to mark over the
numbers on the pistons to make
them easily visible!



Build 2 rear shocks

:: Shocks Build - Bag G - Step 2



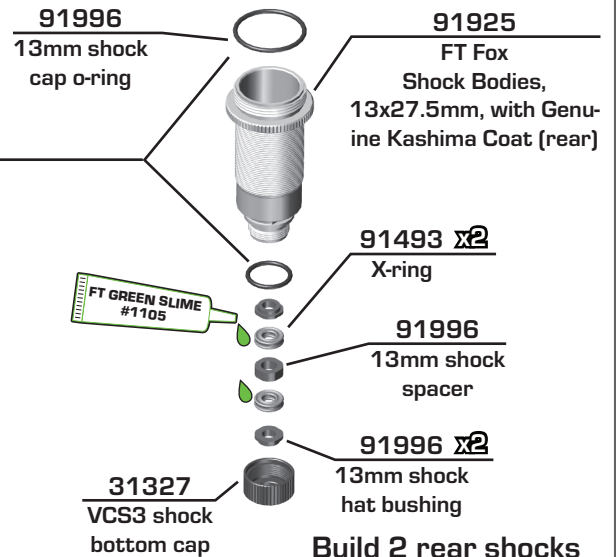
Build x2 front shocks


Lightly rub shock oil on the
O-ring before installation!



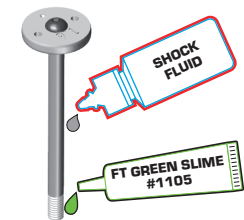
Racers Tip:

Coating the O-rings with
green slime (#1105) helps
seal & reduce O-ring swell!
Green slime not included
in kit!

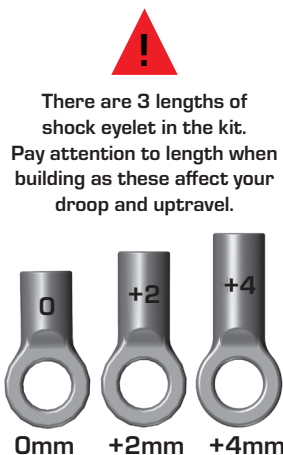


Build 2 rear shocks

:: Shocks Build - Bag G - Step 3



Lightly rub shock fluid or
green slime on threads.




There are 3 lengths of
shock eyelet in the kit.
Pay attention to length when
building as these affect your
droop and uptravel.



92419
Shock eyelets
front shocks
0mm

91819
Shock
pivot ball

Build x2 front shocks



Note:
There are x16 internal limiter
washers (#4187) included.
Use these on high traction
conditions to limit the down
travel as needed.

4187 x4
Washers,
6x3x1 mm,
nylon

92419
Shock eyelets
rear shocks
+4mm

91819
Shock
pivot ball

Build 2 rear shocks

:: Shocks Build - Bag G - Step 4

SHOCK FLUID

Front Shock: 30wt #5422

Rear Shock: 25wt #5428

Steps 2-3 Steps 4-5 Steps 6-7

91926
13mm Shock Cap

Step 8

31510
M2 x 4mm BHCS

Steps 9-10

Stroke

Stroke
Front: 21mm
Rear: 28.5mm

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 M2x4mm button head screw until snug while shaft is fully compressed.

:: Shocks Build - Bag G - Step 5

91996 x4
13mm Threaded Collar O-ring

91928 x4
13mm Threaded Collar

Build x4

91942
13mm front spring, blue (3.60lb)

91948
13mm rear spring, white (1.90lb)

Racers Tip:
Use your finger to rub shock fluid on the O-ring for smoother adjustment!

:: Shocks Build - Bag G - Step 6

91966
13mm Shock Spring Cup (Front - 5mm)

Build x2 front shocks

91966
13mm Shock Spring Cup (Rear - 0mm)

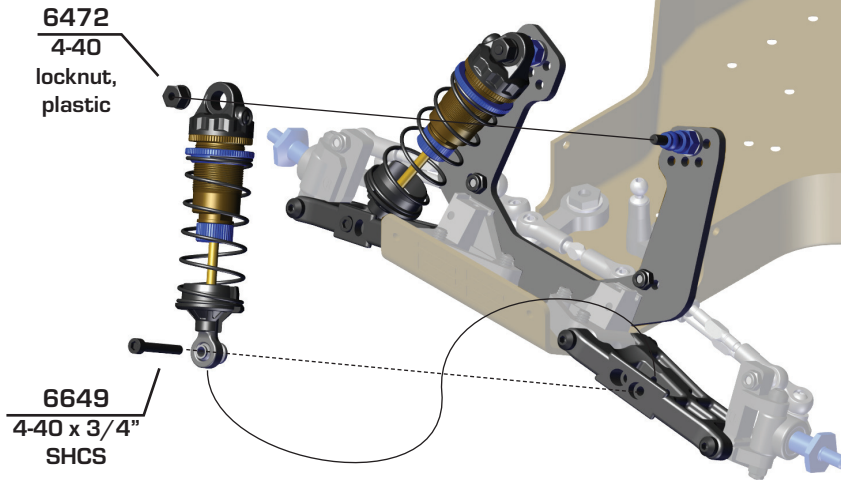
Build x2 rear shocks

91966 13mm Shock Spring Cups

0mm 5mm 9mm

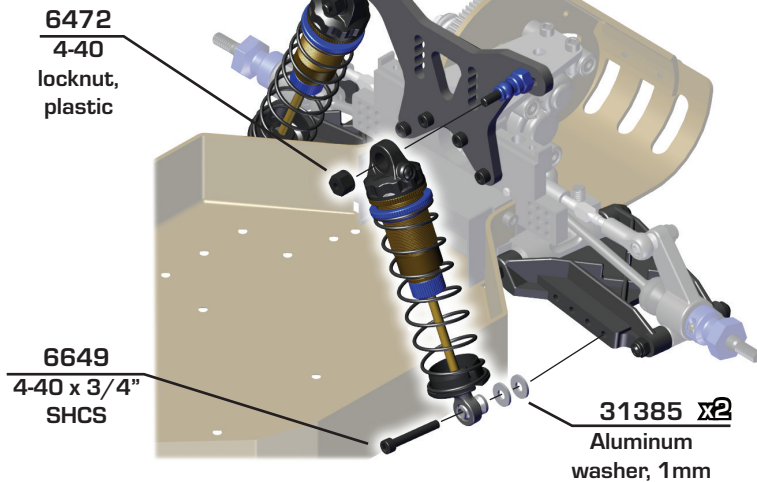
! Screw collars to top. Use to adjust ride height.

:: Shocks Build - Bag G - Step 7



Build 2 (1 left, 1 right)

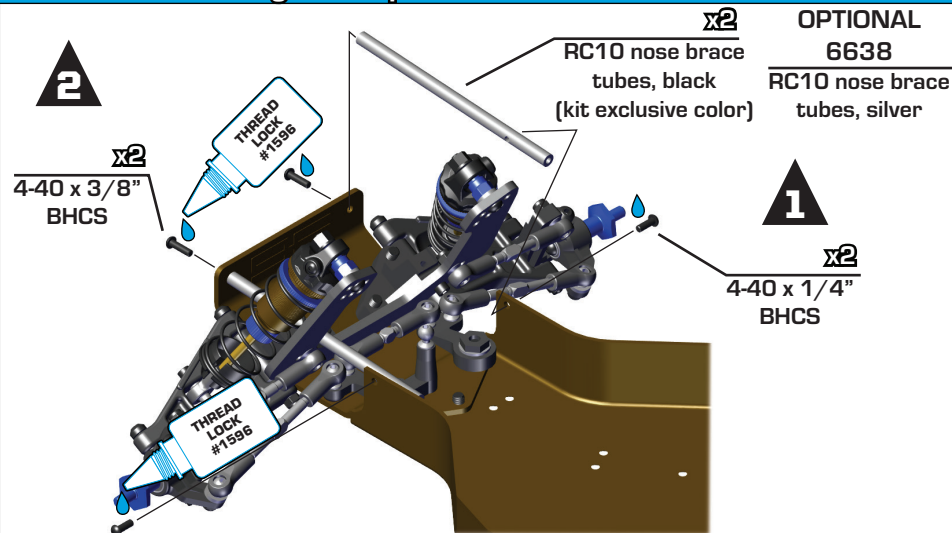
:: Shocks Build - Bag G - Step 8



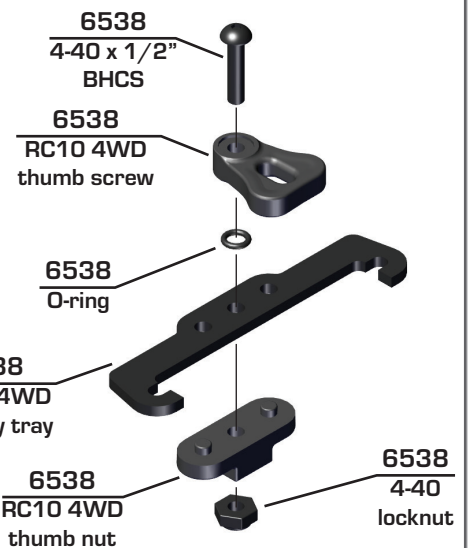
Build 2 (1 left, 1 right)

Build left and right sides!

:: Chassis Build - Bag H - Step 1

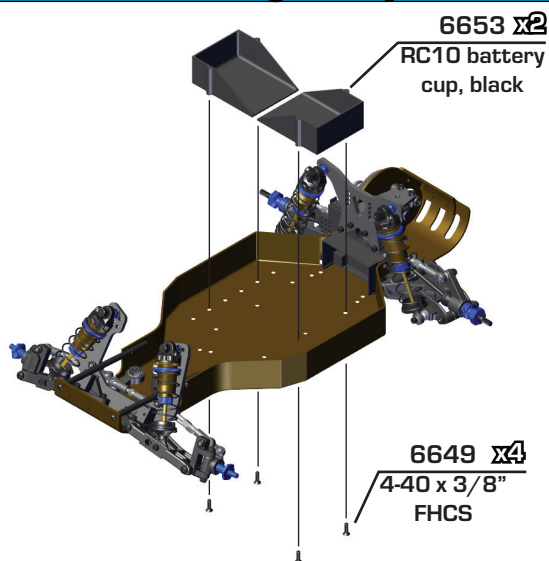


Build 2 (1 left, 1 right)

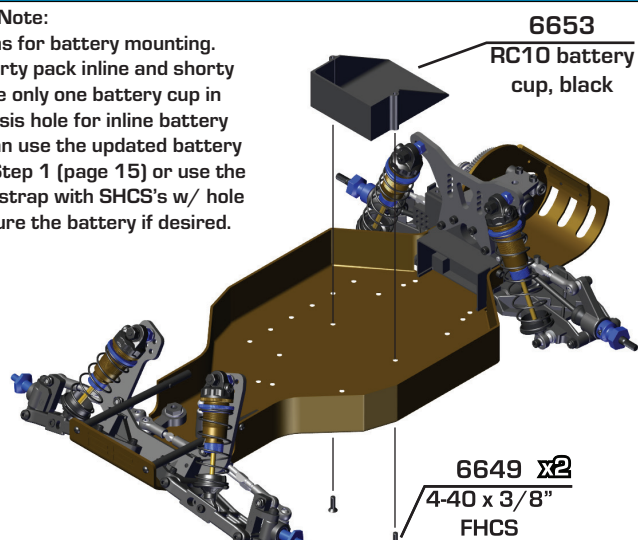
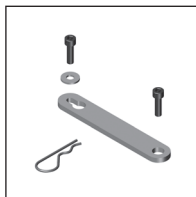


Build x2

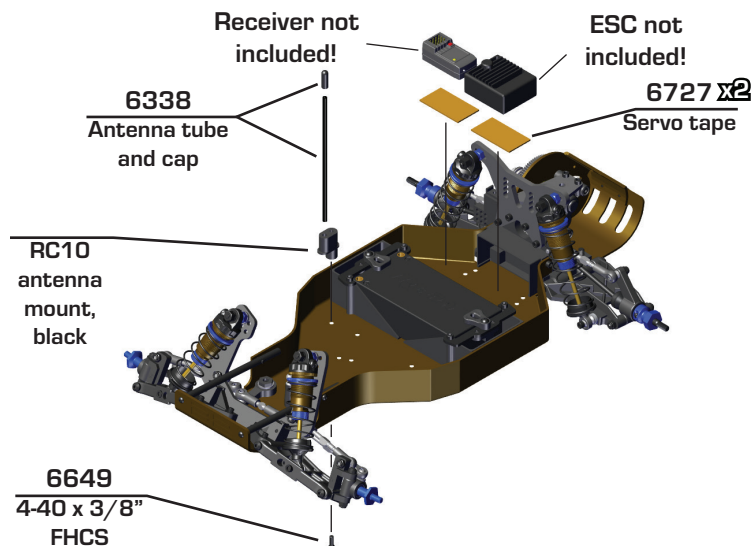
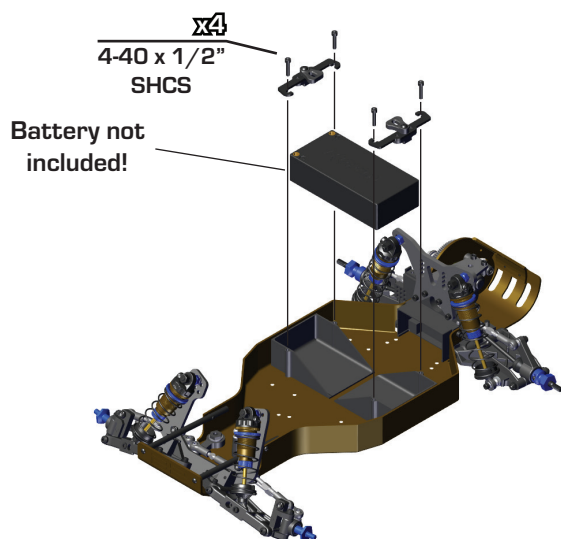
:: Chassis Build - Bag H - Step 2



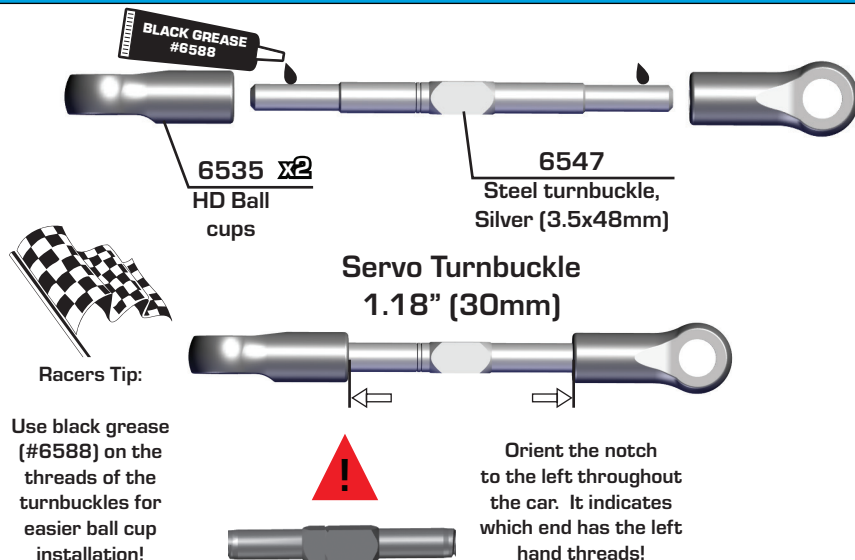
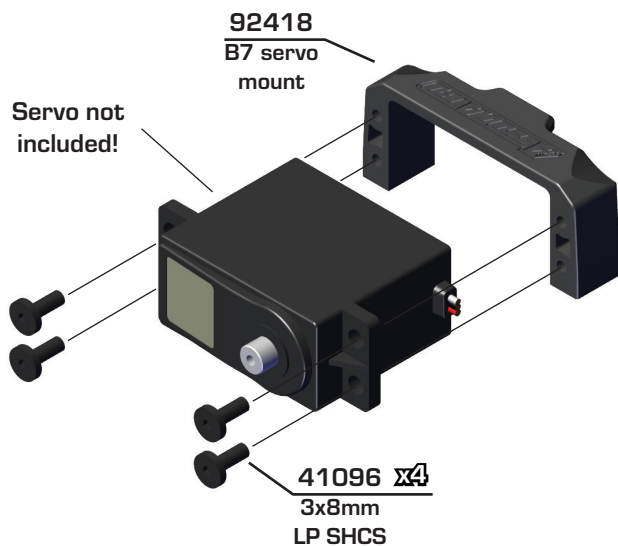
Note:
There are 3 options for battery mounting. Long pack inline, shorty pack inline and shorty pack sideways. Use only one battery cup in corresponding chassis hole for inline battery configuration. You can use the updated battery hold down in Bag H - Step 1 (page 15) or use the original style battery strap with SHCS's w/ hole and body clip to secure the battery if desired.



:: Chassis Build - Bag H - Step 3



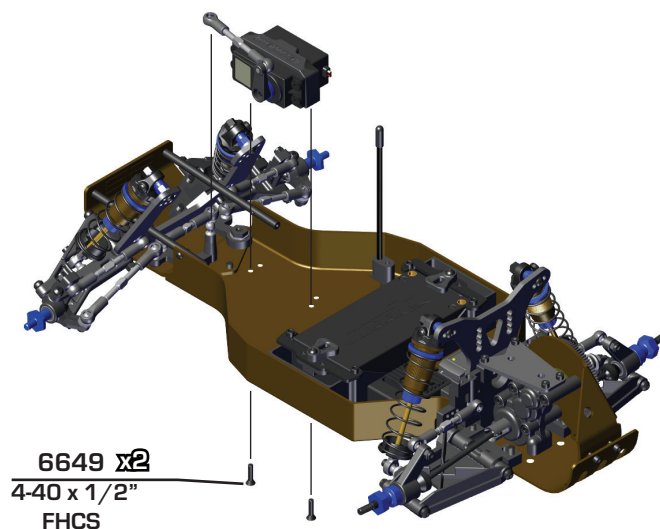
:: Steering Servo Build - Bag I - Step 1



:: Steering Servo Build - Bag I - Step 2

32041
HD ball stud,
short, 4mm

Servo
horn and
screw not
included!



6649 $\times 2$
4-40 x 1/2"
FHCS

:: Wing Mount / Wheels / Accessories Build - Bag J - Step 1

Motor not
included!

Pinion not
included!

31531 $\times 2$
3 x 6mm
BHCS

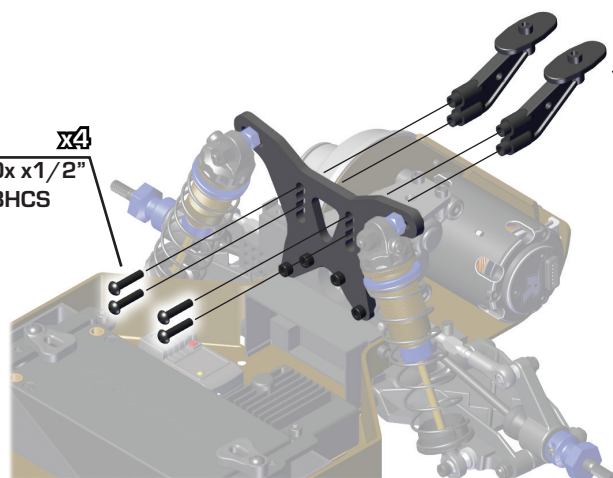
6566
Gear cover
and plug

$\times 2$
4-40 x 1/4"
SHCS

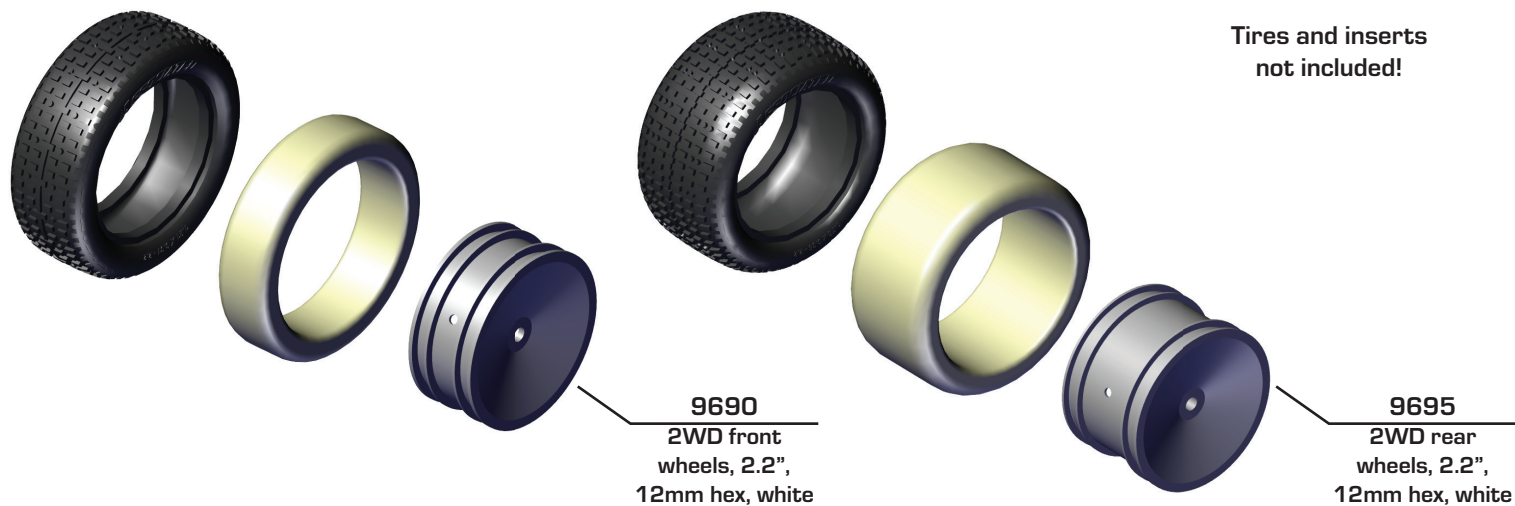
:: Wing Mount / Wheels / Accessories Build - Bag J - Step 2

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

91718 $\times 2$
B6 Wing
Mount

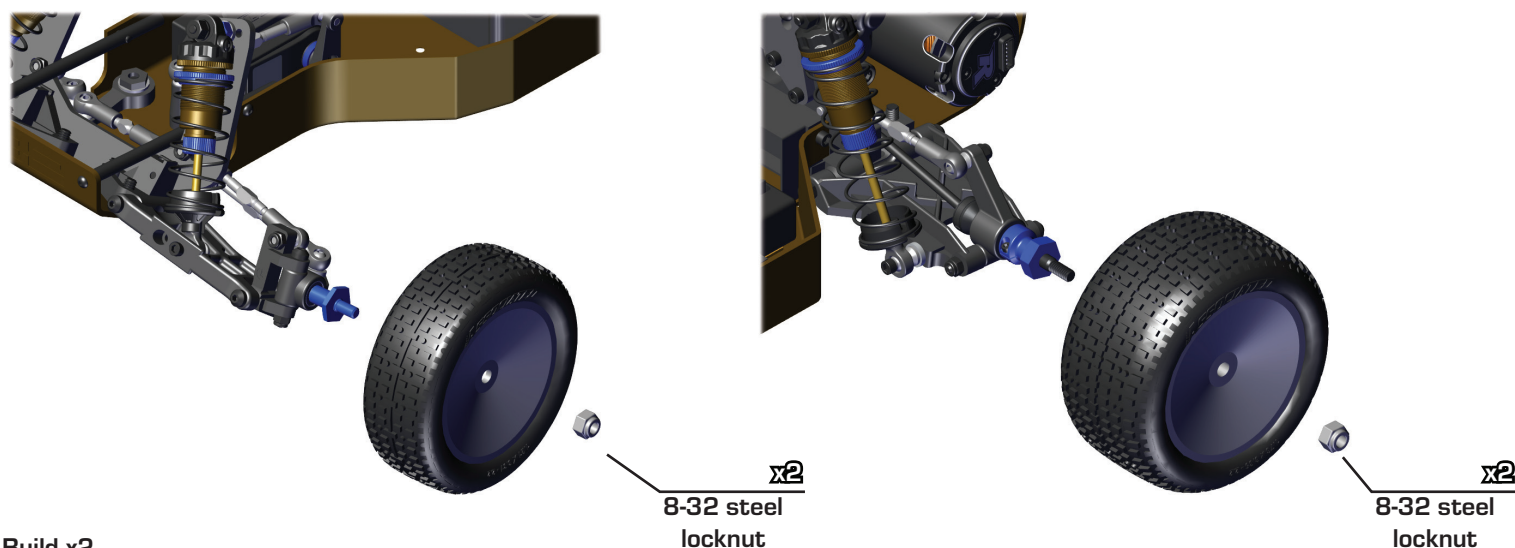


Wing Mount / Wheels / Accessories Build - Bag J - Step 3



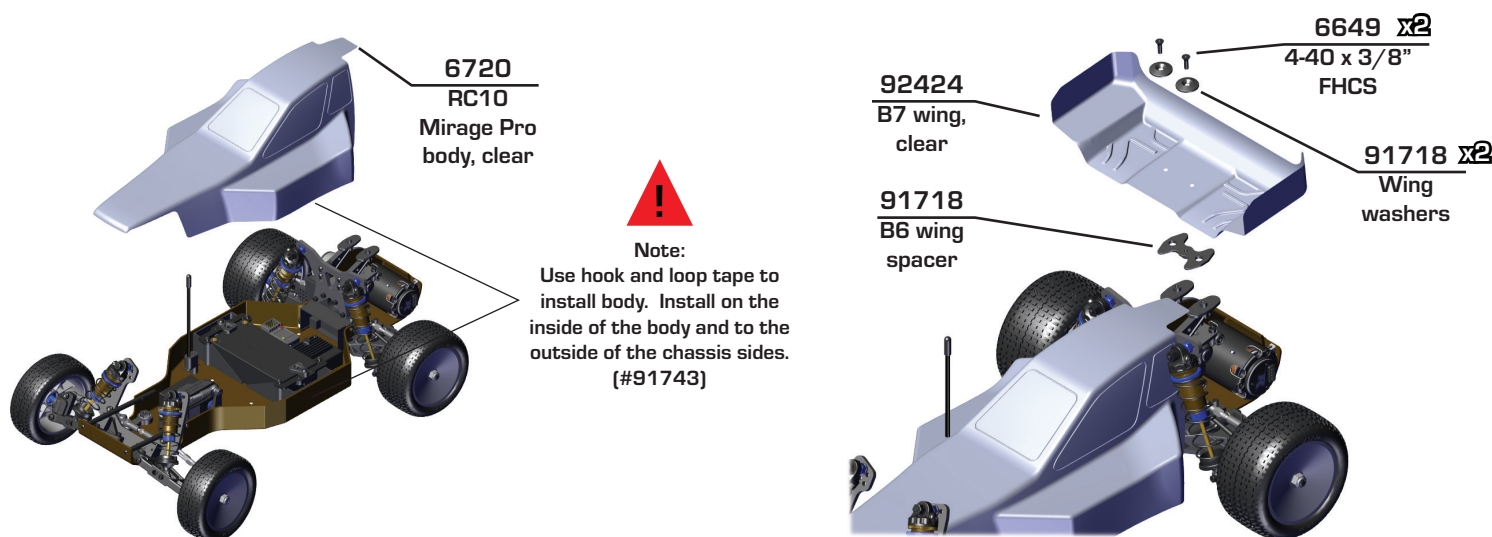
Build x2

Wing Mount / Wheels / Accessories Build - Bag J - Step 4



Build x2

Wing Mount / Wheels / Accessories Build - Bag J - Step 5



:: Painting Tips**Painting:**

Your Kit requires a clear polycarbonate body. You will need to prep the body before you can paint it. Wash the INSIDE thoroughly with warm water and liquid detergent (do not use any detergents with scents or added hand lotion ingredients!). Dry the body using a clean, soft, lint-free cloth.

Use the supplied window masks to cover the windows from the INSIDE of the body (RC bodies get painted on the inside). Using high quality masking tape, apply tape to the inside of the body to create a design. Spray (use either rattle can or airbrush) the paint on the inside of the body (preferably dark colors first, lighter colors last). NOTE: ONLY use paint that is recommended for (polycarbonate) plastics. If you do not, you can destroy the body! After the paint has completely dried (usually after 24 hours), cut the body along the trim lines. Make sure to drill or use a body reamer to make the holes for the antenna if needed! Use hook and loop tape to secure the body to the side rails of the vehicle.

:: Notes

TEAM ASSOCIATED RC10 SETUP SHEET

Driver: Spencer Rivkin - 1st place (1989-1993) ClassDate: October 19, 2025Track: New Orleans Hotel/Casino Arena, Las Vegas, NVEvent: 2025 Team Associated Vintage ChampsConditions: Indoor ☐Outdoor ☐Temp: Rev: 1

Ride Height / Wheelbase

Front Ride
Height:
24mmRear Ride
Height:
25mmWheelbase:
Short
Long

Rear Suspension

Camber: -1.5degRear Hub
Carriers:
0° ☐
1.5° ☐

Front Suspension

Camber: -1.5degToe: 0.5deg outSteering Block:
Inline ☐
Trailing ☐Caster:
25° ☐
30° ☐

Front Shocks

Shock Body: Kit Shock Shaft: Kit
Spring: AE Blue 13mm Piston: 2x1.5 1x1.6 2mm
Shock Fluid: 35wt Eyelet: 0
Limiters: Int: Ext: Stroke:
Notes:

Rear Shocks

Shock Body: Kit Shock Shaft: Kit
Spring: AE Green 13mm Piston: 3x1.7 2mm
Shock Fluid: 27.5wt Eyelet: 0
Limiters: Int: Ext: Stroke:
Notes:

Motor / Battery

Motor & Wind:
Pinion: 25T Spur Gear: 75T
Battery:

Drivetrain

Slipper: V2 slipper
2 Pads ☐ 3 Pads ☐ 4 Pads ☐
Notes:

Weight

Battery Placement: Sideways with ESC & Rx mounted behind it
Ballast Weight:
Notes:

Front Tires

Tire:
Compound:
Insert: Wheel:

Race and Vehicle Comments

Qualify: Main: Finish: TQ:
Comments:

Radio / ESC Settings

Radio:
Throttle / Brake: e.p.a: Expo:
Servo: Steering Expo:
ESC:
ESC Settings:

Other

Body Type:
Wing Type:

Rear Tires

Tire:
Compound:
Insert: Wheel:

Track Info

Surface:	Traction:	Conditions:	Moisture:
Dirt ☐	Low ☐	Grooved ☐	Wet ☐
Carpet ☐	Med ☐	Dusty ☐	Damp ☐
Astro ☐	High ☐	Smooth ☐	Dry ☐
Multi ☐		Bumpy ☐	
		Hard Pack ☐	
		Loamy ☐	

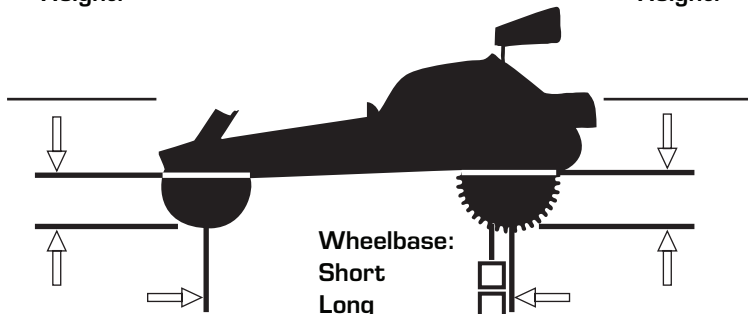
TEAM ASSOCIATED RC10 SETUP SHEET

Driver: _____ Date: _____
 Track: _____ Event: _____
 Conditions: _____ Indoor ☐ Outdoor ☐ Temp. _____ Rev:1

Ride Height / Wheelbase

Front Ride
Height:

Rear Ride
Height:

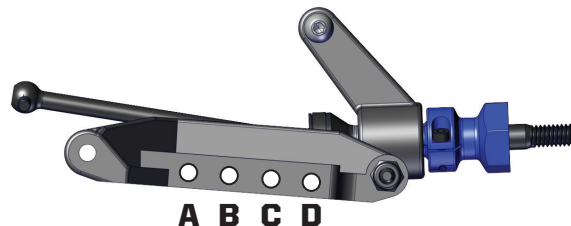
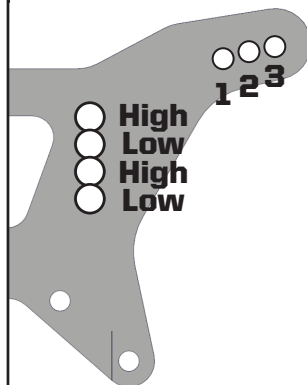


Wheelbase:
Short ☐
Long ☐

Rear Suspension

Camber: _____

Rear Hub
Carriers:
0° ☐
1.5° ☐



Rear Drive Shafts:
CVA ☐
Dogbone ☐

Front Suspension

Camber: _____

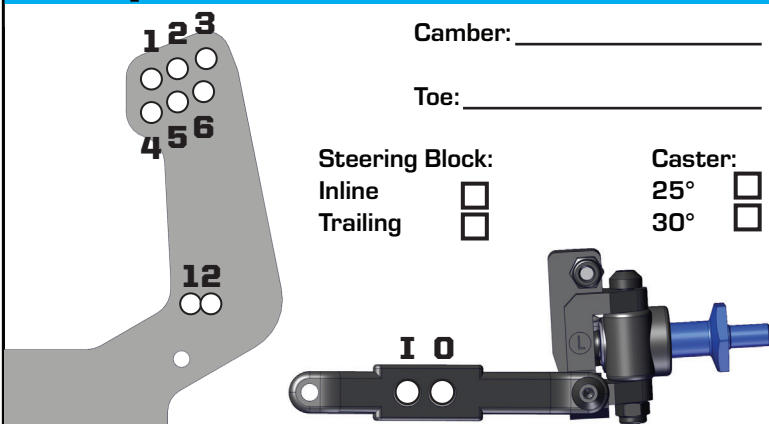
Toe: _____

Steering Block:

Inline ☐
Trailing ☐

Caster:

25° ☐
30° ☐



Front Shocks

Shock Body: _____ Shock Shaft: _____
 Spring: _____ Piston: _____
 Shock Fluid: _____ Eyelet: _____
 Limiters: Int: _____ Ext: _____ Stroke: _____
 Notes: _____

Rear Shocks

Shock Body: _____ Shock Shaft: _____
 Spring: _____ Piston: _____
 Shock Fluid: _____ Eyelet: _____
 Limiters: Int: _____ Ext: _____ Stroke: _____
 Notes: _____

Motor / Battery

Motor & Wind: _____
 Pinion: _____ Spur Gear: _____
 Battery: _____

Drivetrain

Slipper: _____
 2 Pads ☐ 3 Pads ☐ 4 Pads ☐
 Notes: _____

Weight

Battery Placement: _____
 Ballast Weight: _____
 Notes: _____

Front Tires

Tire: _____
 Compound: _____
 Insert: _____ Wheel: _____

Race and Vehicle Comments

Qualify: _____ Main: _____ Finish: _____ TQ: _____
 Comments: _____

Radio / ESC Settings

Radio: _____
 Throttle / Brake: e.p.a: _____ Expo: _____
 Servo: _____ Steering Expo: _____
 ESC: _____
 ESC Settings: _____

Other

Body Type: _____
 Wing Type: _____

Rear Tires

Tire: _____
 Compound: _____
 Insert: _____ Wheel: _____

Track Info

Surface:	Traction:	Conditions:	Moisture:
Dirt ☐	Low ☐	Grooved ☐	Wet ☐
Carpet ☐	Med ☐	Dusty ☐	Damp ☐
Astro ☐	High ☐	Smooth ☐	Dry ☐
Multi ☐		Bumpy ☐	
		Hard Pack ☐	
		Loamy ☐	



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