

RC10T
FACTORY TEAM

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



TEAM ASSOCIATED



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

#7004 RC10T Factory Team Truck Kit



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.

RC10T FT Kit Features

- New Factory Team carbon fiber front shock tower (big bore compliant)
- New Factory Team carbon fiber rear shock tower (big bore compliant)
- New Factory Team 12mm hex front steering block
- New Factory Team 12mm hex front axle
- Factory Team 12mm Hex rear CVA's included
- 12mm Hex T7 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 all around
- Kashima coated 13mm big bore factory team shocks included
- All Black plastics
- Full ball bearings included
- Bronze color anodized chassis, noseplate and motorplate
- New Factory Team RC10T logo decal sheet
- V2 slipper system included
- RC10 T2 suspension arms included

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

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

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:: Hardware - 1:1 Scale View

Cap Head (shcs)

	4-40 x 1/4" (6649)
	4-40 x 5/16" (6649)
	4-40 x 3/8"
	4-40 x 1/2" (6649)
	4-40 x 5/8" (6926)
	4-40 x 3/4" (6649)
	4-40 x 1"
	1.6 x 5mm (91611)

Flat Head (fhcs)

	4-40 x 3/8" (6316)
	4-40 x 1/2" (6538)
	8-32 x 1/4" (6931)
	8-32 x 1/2" (6316)
	8-32 x 7/8" (6316)

Button Head (bhcs)

	0-80 x 3/16"
	4-40 x .125"
	4-40 x 3/16"
	4-40 x 1/4"
	4-40 x 5/16"
	4-40 x 3/8"
	4-40 x 1/2"
	2 x 4mm (31510)
	3 x 6mm (31531)
	3 x 22mm (25189)

Shims and Washers

	Dogbone spacer
	.030 Nylon Spacer (4187)
	#4 Washer
	1/4" Axle Shim
	Diff Thrust Washers
	5mm x 9.5mm 0.17mm
	#8 Aluminum Thick Washer

Nuts (lock/plain)

	4-40 Small Pattern Plain Nut
	4-40 Nuts
	5-40 Locknut
	8-32 Steel Locknut
	M2 Locknut (21689)
	M3 Nut (91477)
	M3 Alum. Locknut, Blue (31550)
	M3 Locknut, Black (25215)

Ball Bearings

	5/32 x 5/16 x 1/8" (6589)
	3/16 x 3/8 x 1/8" (3977)
	FT 3/16 x 3/8 x 1/8" (6906)
	3/16 x 5/16 x 1/8" (6909)
	3/8 x 5/8 x 5/32" (3976)

Set Screws

	4-40 x 3/32" (6907)
	4-40 x 1/8"
	4-40 x 5/16"

Diff Balls

	3/32 Diff Balls
---	-----------------

LP Socket Head (shcs)

	3x8mm (41096)
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Notes:

Ballstuds

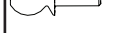
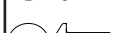
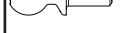
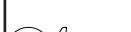
	HD 4mm, Short (32041)
	HD 6mm, Short (32042)
	HD 8mm, Short (32040)
	HD 4mm (91451)
	HD 6mm (91047)
	Ti HD 6mm (91751)
	HD 8mm (91048)
	Ti HD 8mm (91752)

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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.



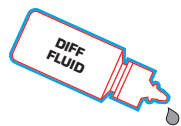
This symbol indicates there are optional FT parts available



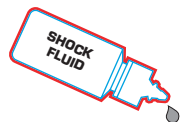
This symbol indicates a Racers Tip.



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.



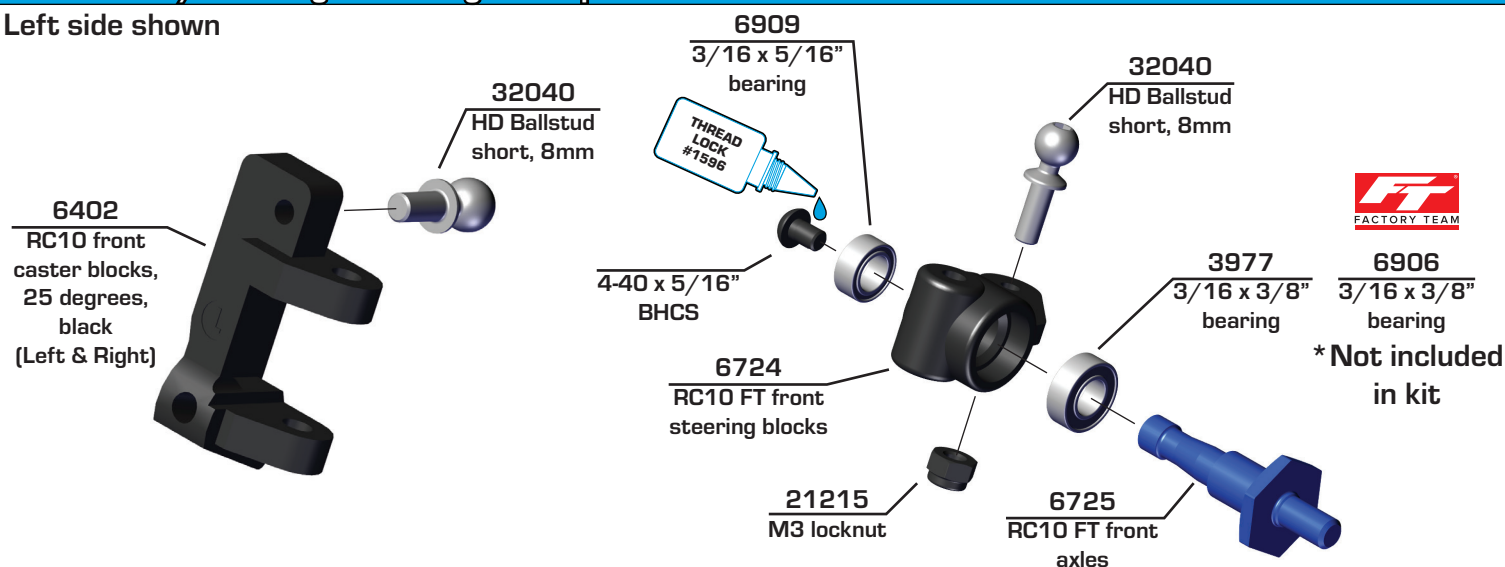
This symbol indicates where Green Slime can be applied. *not included



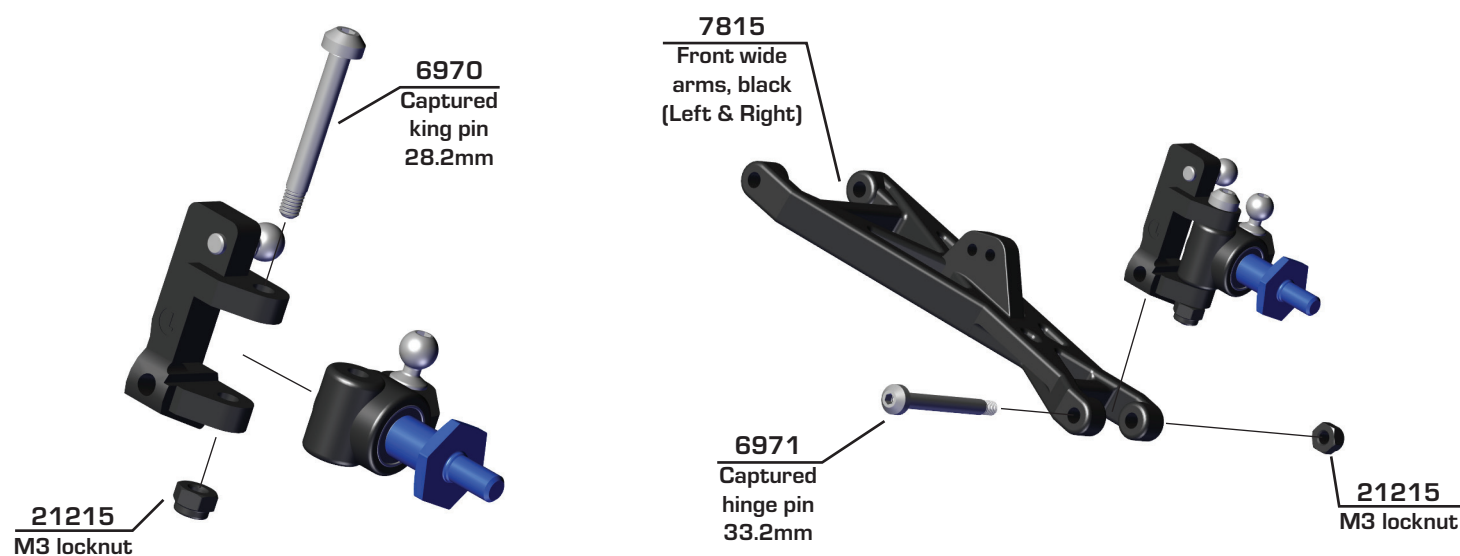
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.

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

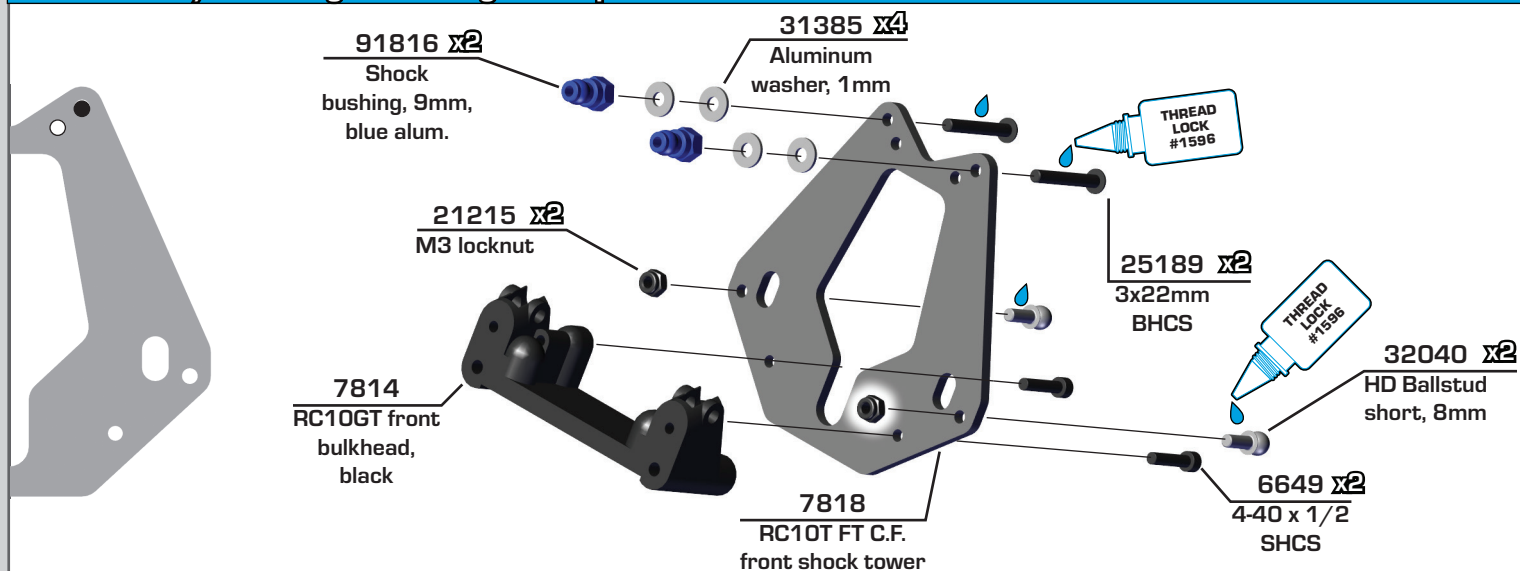
Left side shown



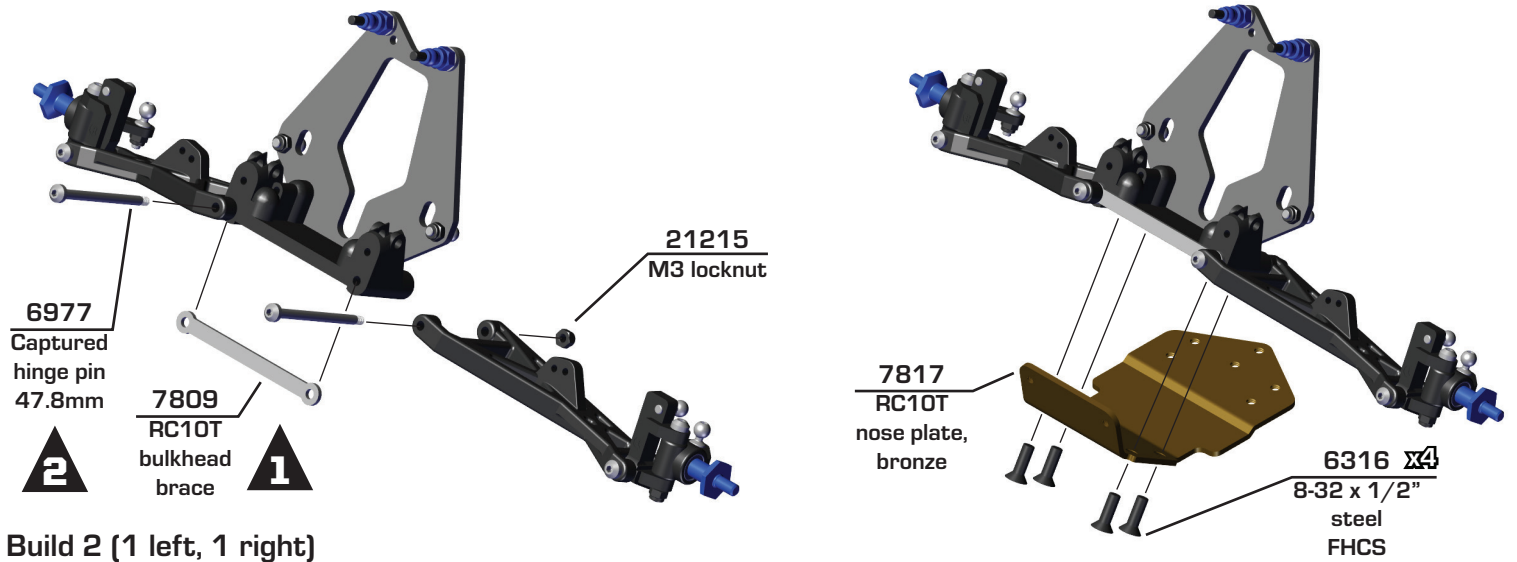
:: Nose Plate / Steering Build - Bag A - Step 2



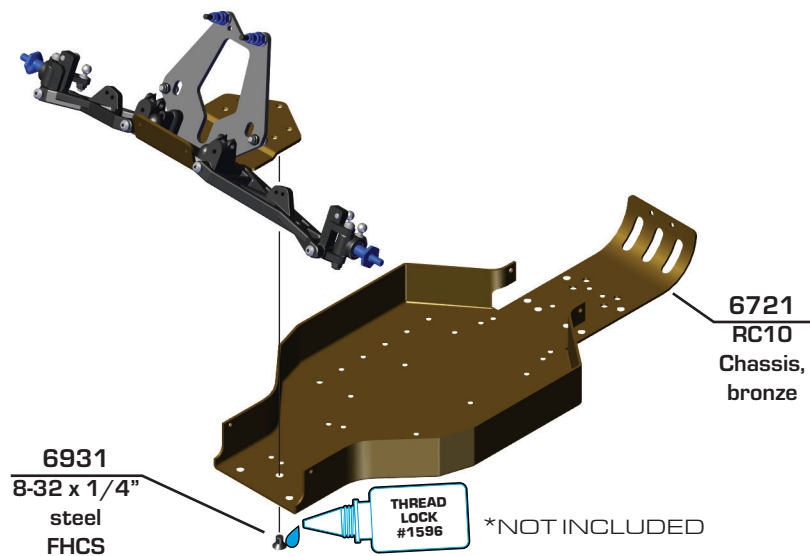
:: Nose Plate / Steering Build - Bag A - Step 3



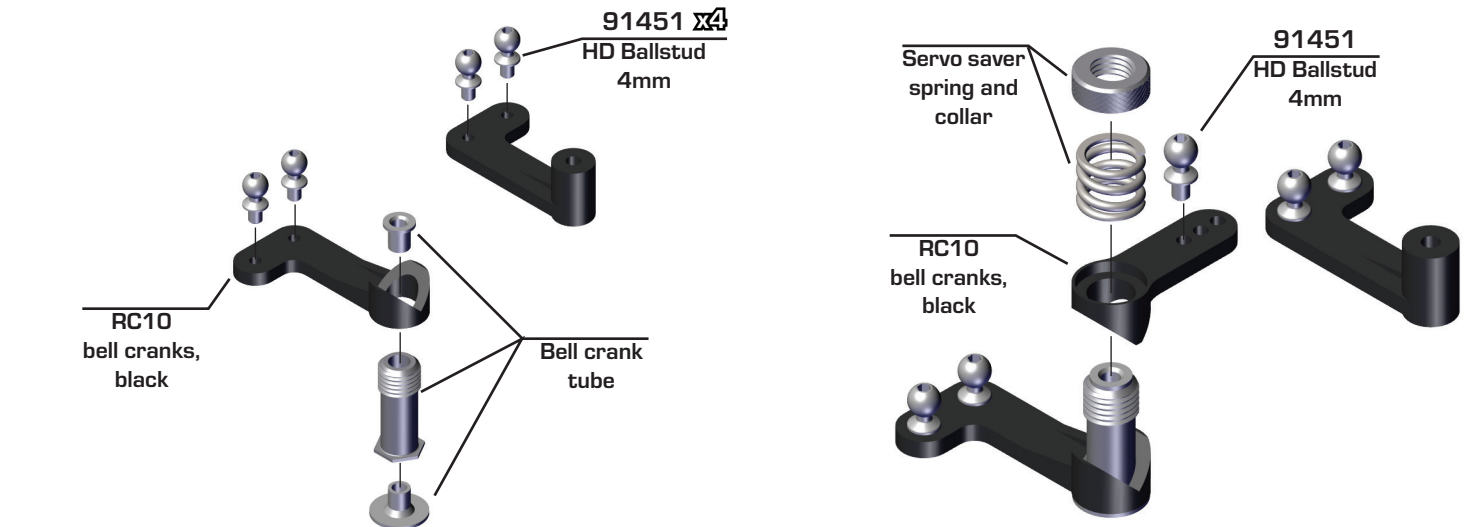
:: Nose Plate / Steering Build - Bag A - Step 4



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

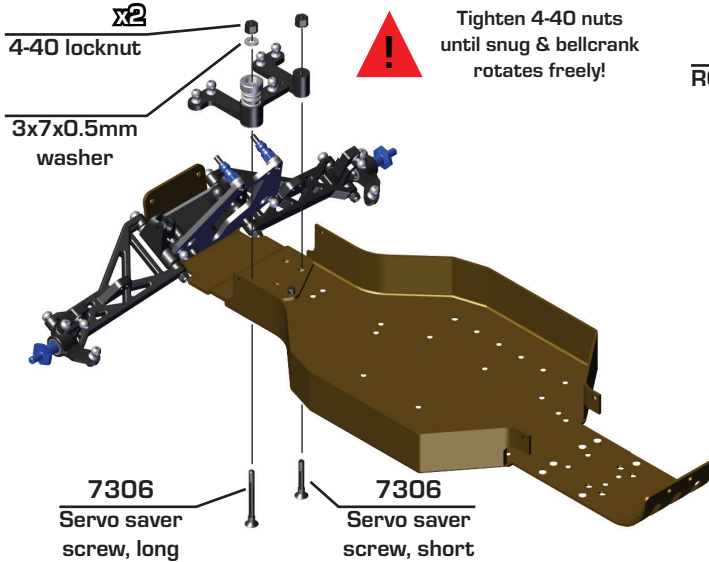


:: Servo Saver Build - Bag B - Step 1

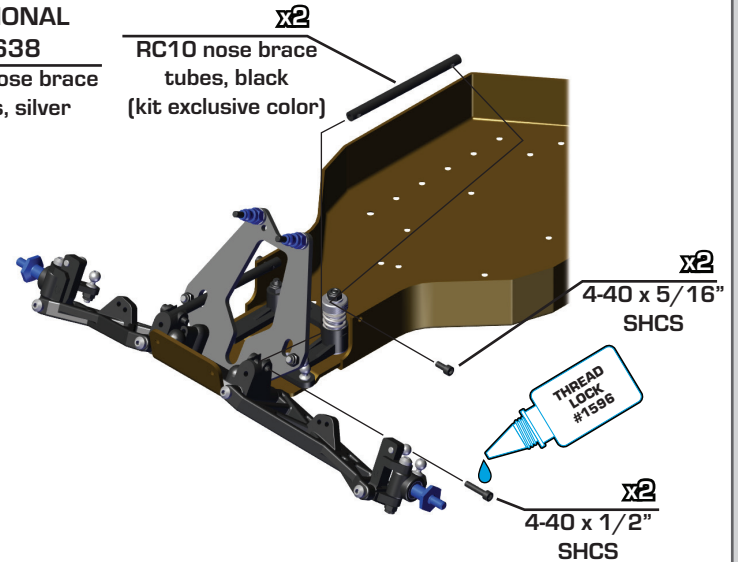


Build 2 (1 left, 1 right)

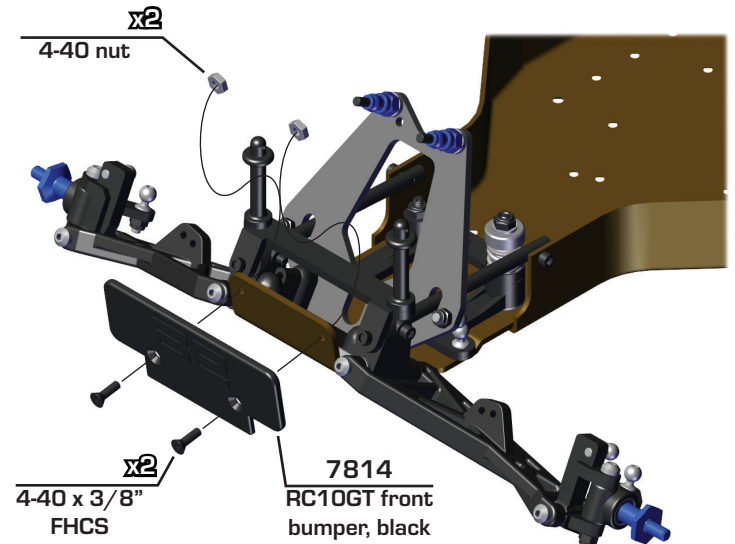
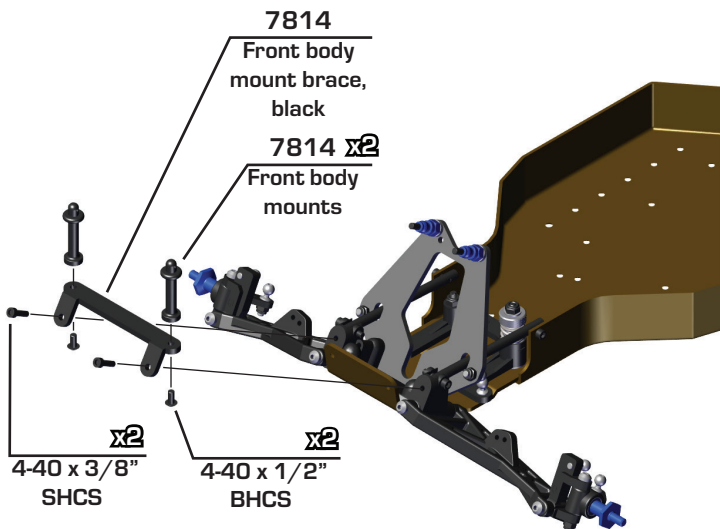
:: Servo Saver Build - Bag B - Step 2



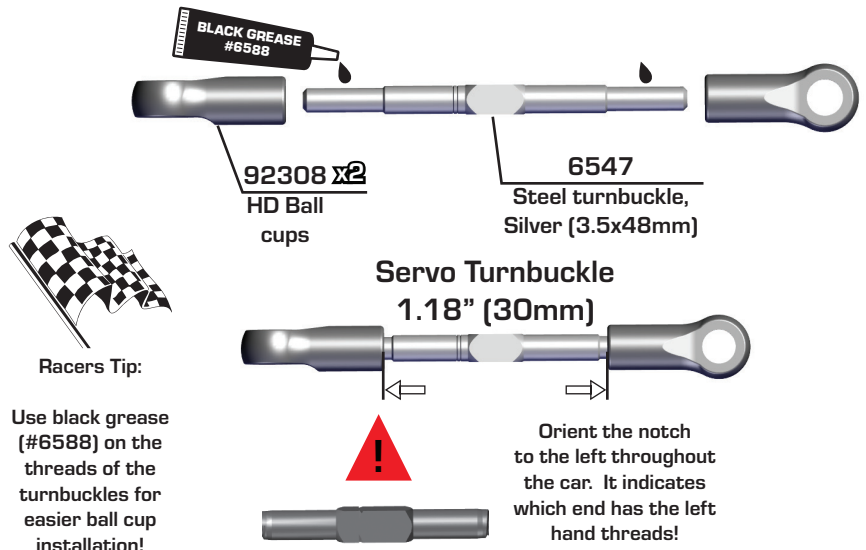
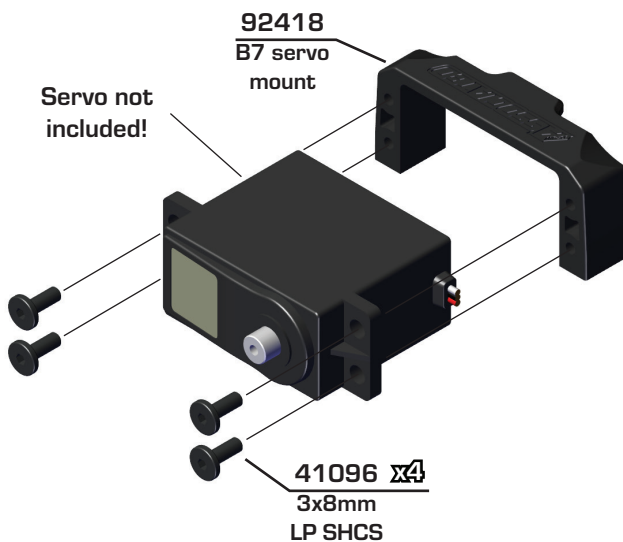
OPTIONAL
6638
RC10 nose brace tubes, silver



:: Front Bumper and Body Mounts - Bag C - Step 1



:: Servo Mount Build - Bag D/F - Step 1



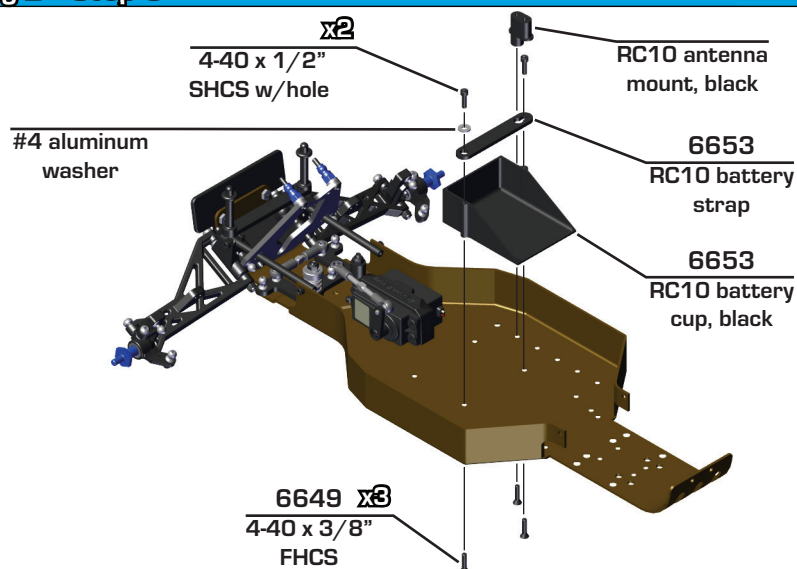
:: Servo Mount Build - Bag D - Step 2

32041
HD ball stud,
short, 4mm

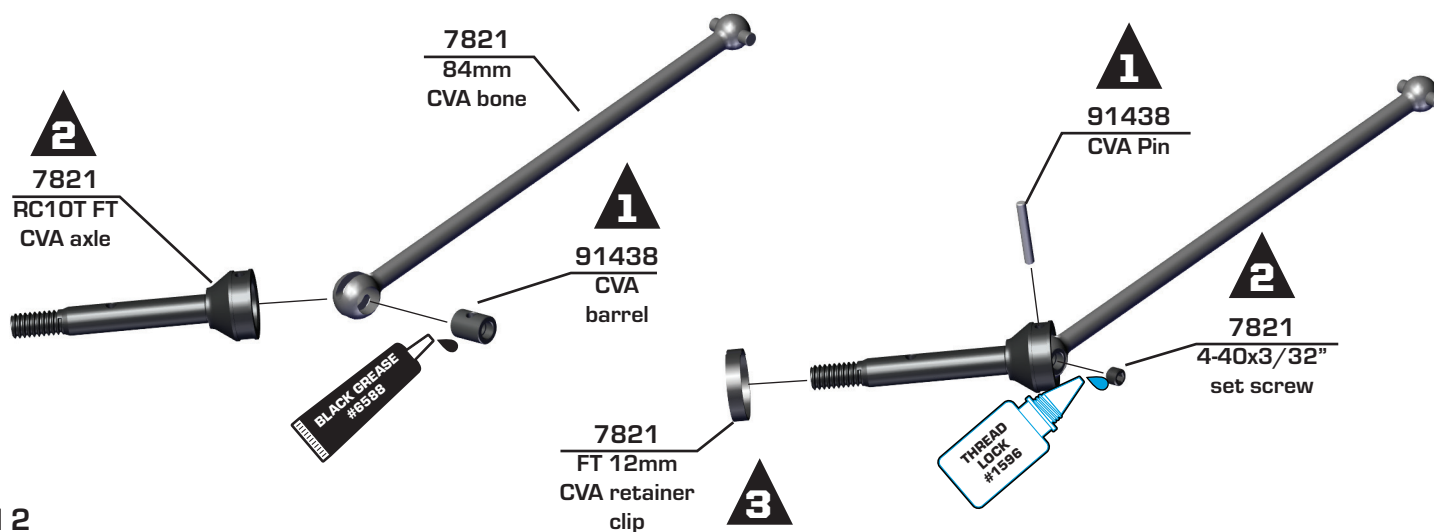
Servo
horn and
screw not
included!

6649 **x2**
4-40 x 3/8"
FHCS

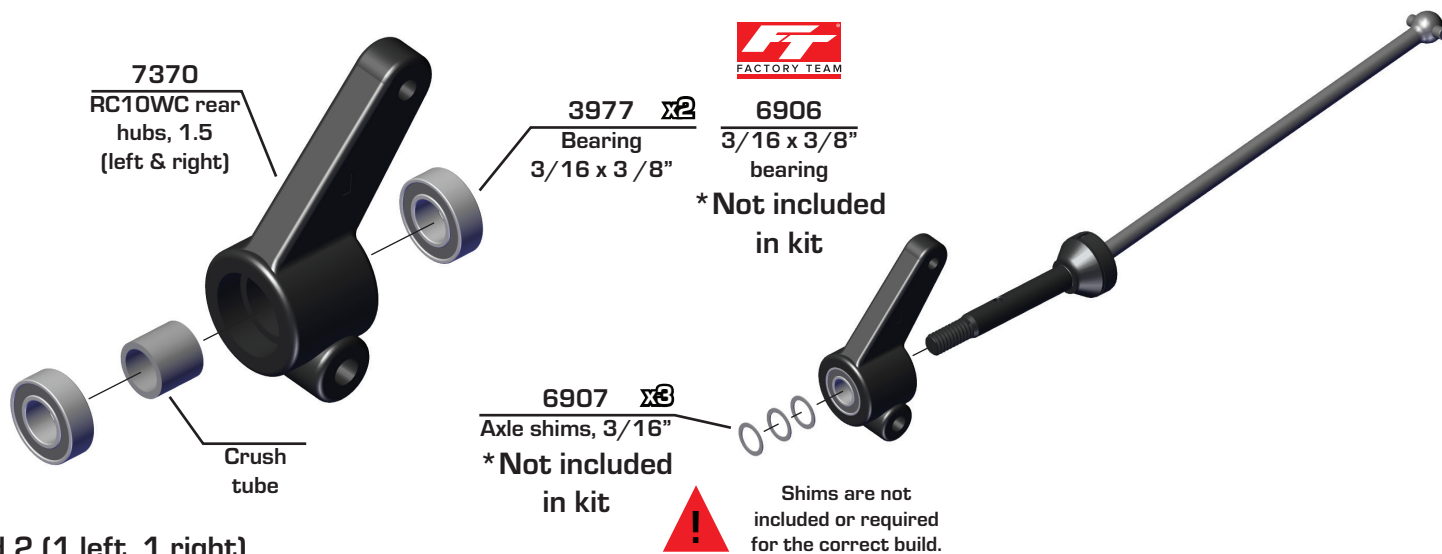
:: Servo Mount Build - Bag D - Step 3



:: Rear Suspension Build - Bag E - Step 1

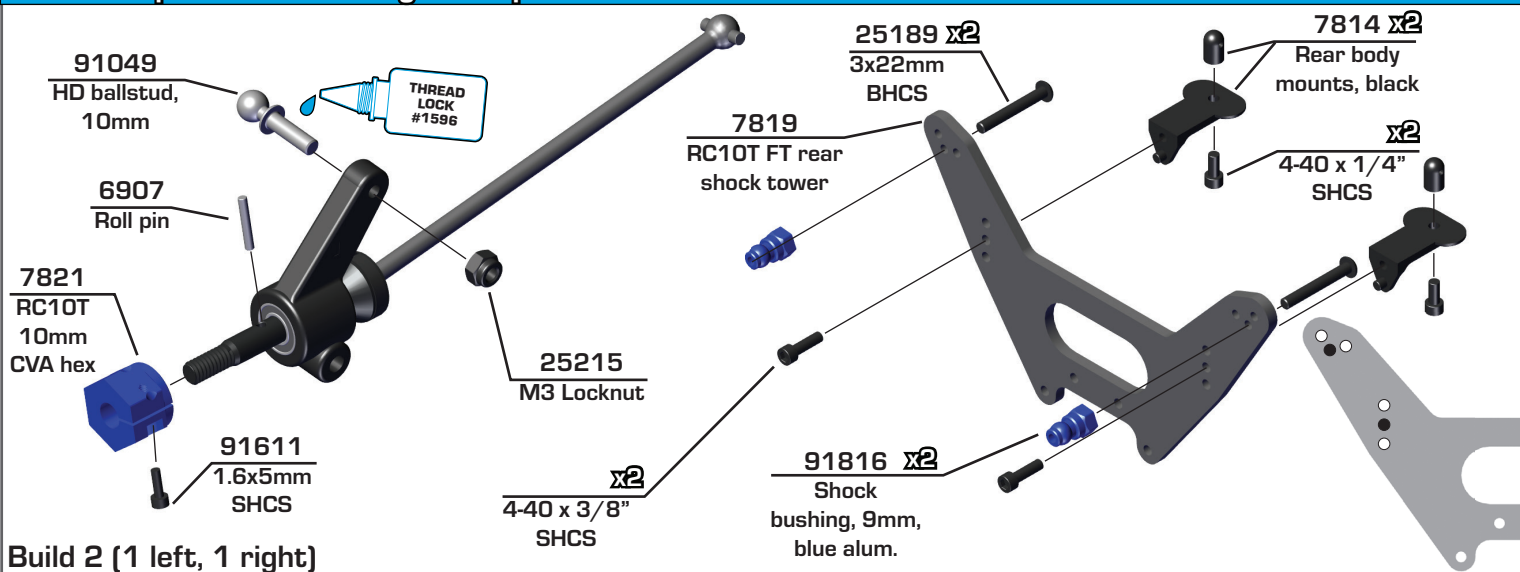


⚙️ Rear Suspension Build - Bag E - Step 2



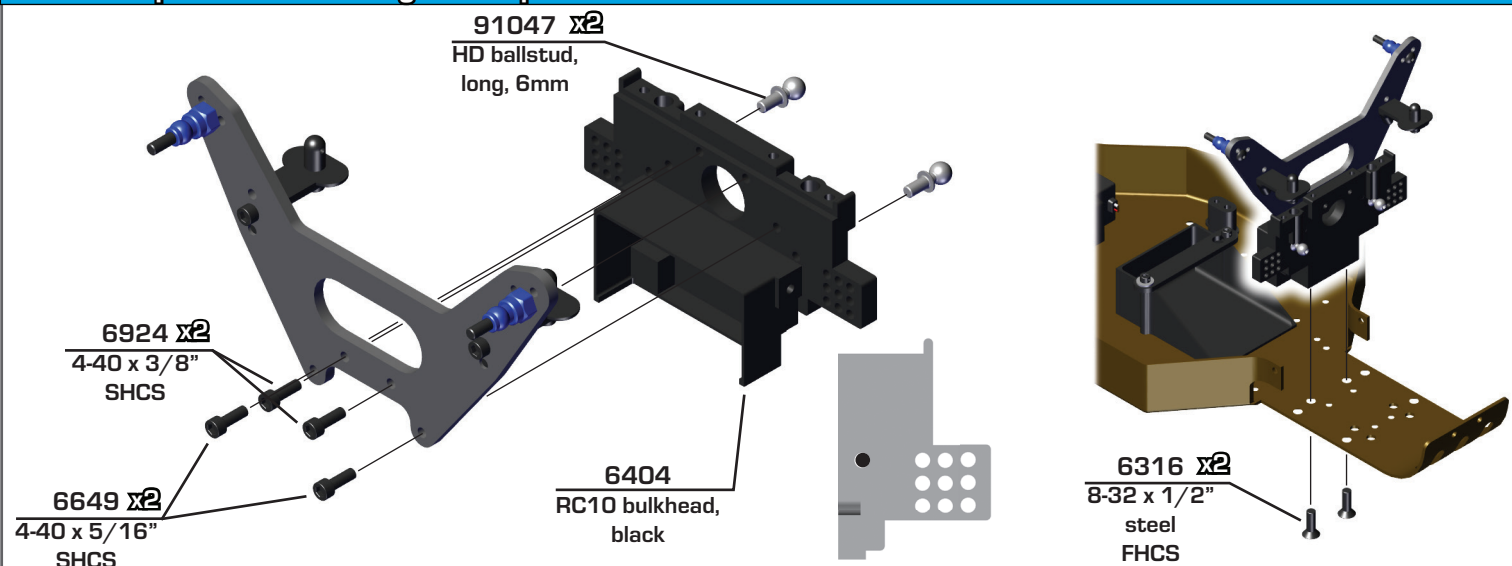
Build 2 (1 left, 1 right)

⚙️ Rear Suspension Build - Bag E - Step 3

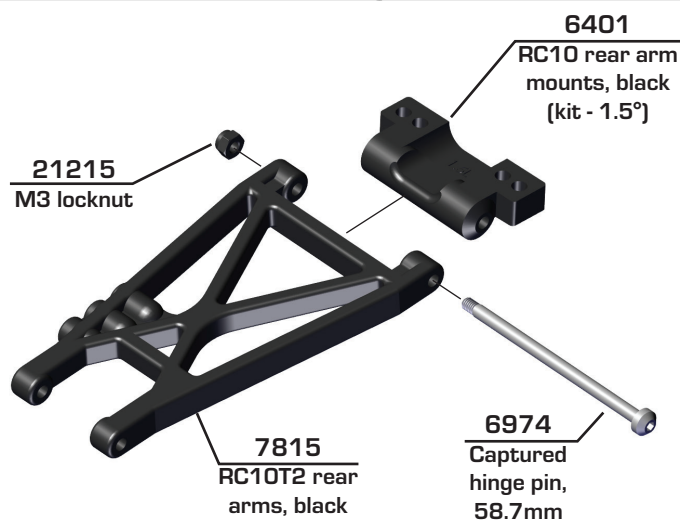


Build 2 (1 left, 1 right)

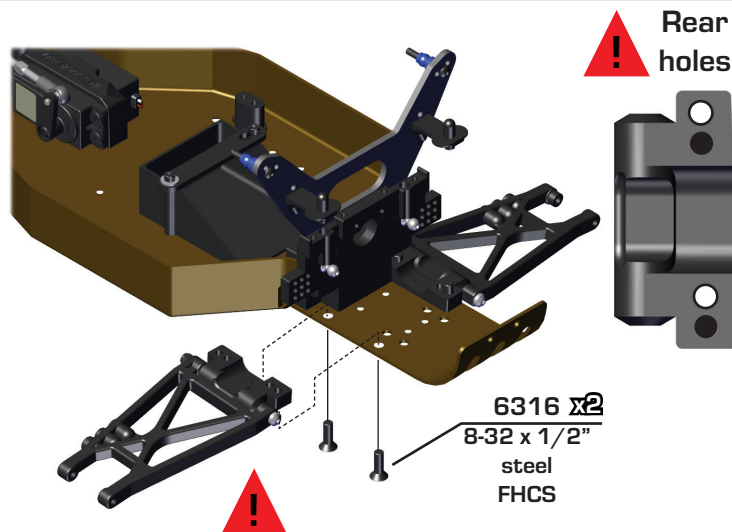
⚙ Rear Suspension Build - Bag E - Step 4



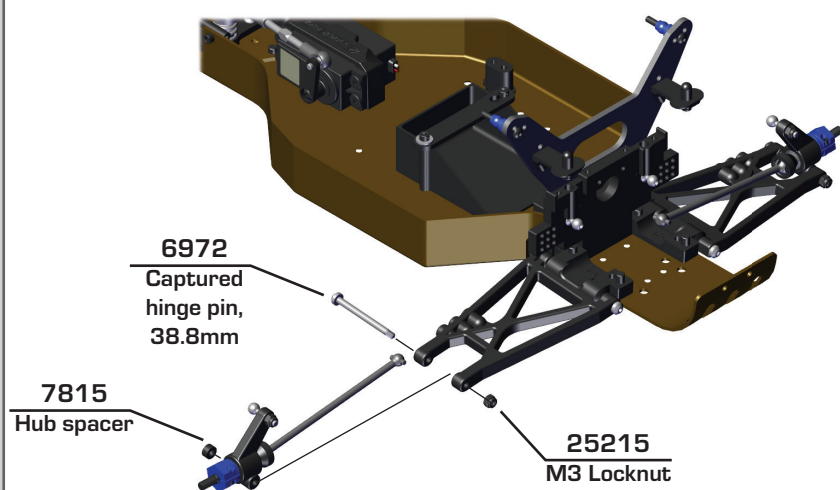
:: Rear Suspension Build - Bag E - Step 5



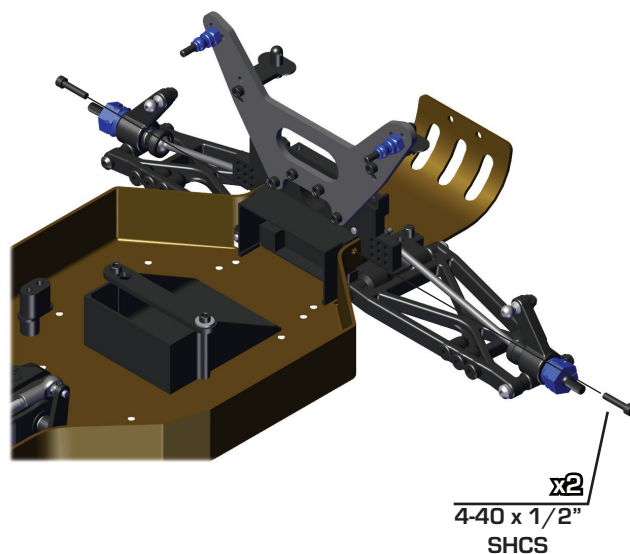
Build 2 (1 left, 1 right)



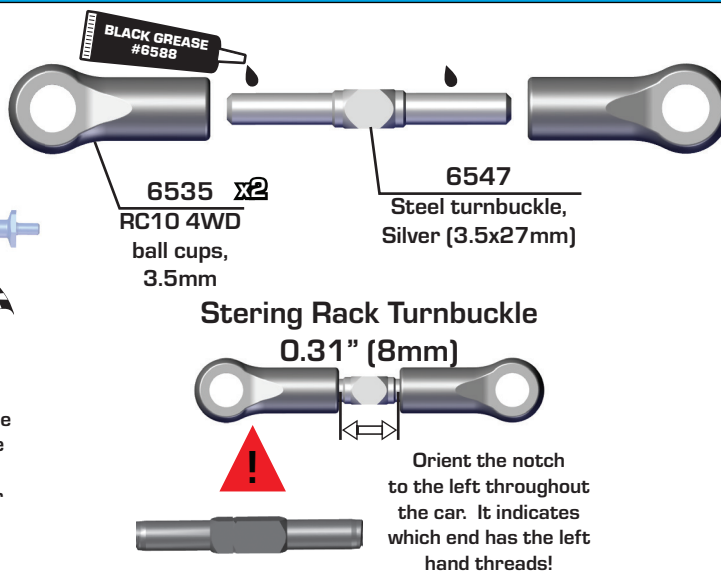
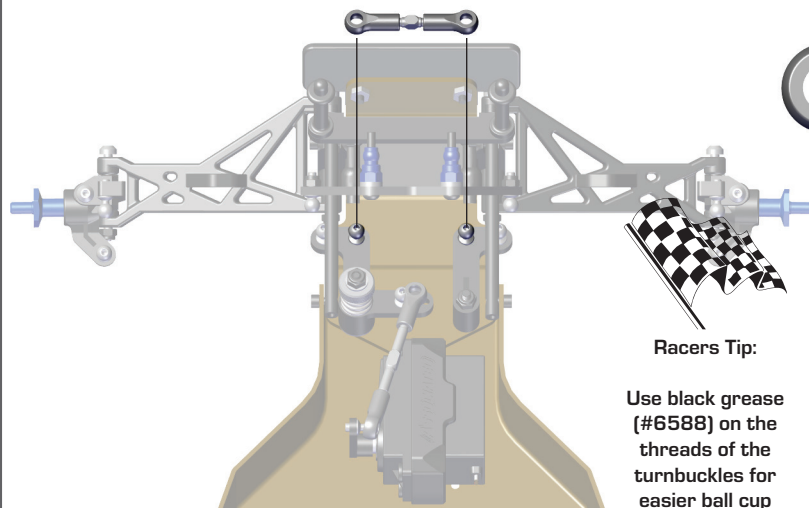
:: Rear Suspension Build - Bag E - Step 6



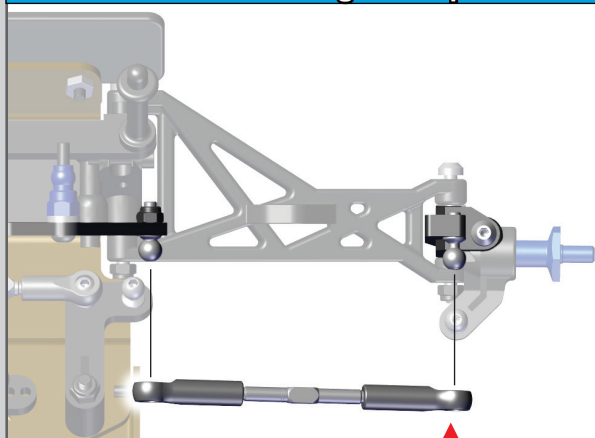
Build 2 (1 left, 1 right)



:: Turnbuckles Build - Bag F - Step 1



:: Turnbuckles Build - Bag F - Step 2



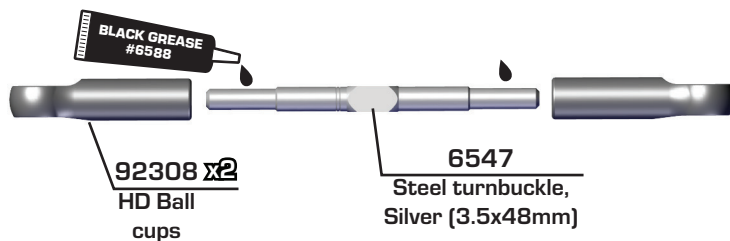
Build 2 (1 left, 1 right)



Racers Tip:

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

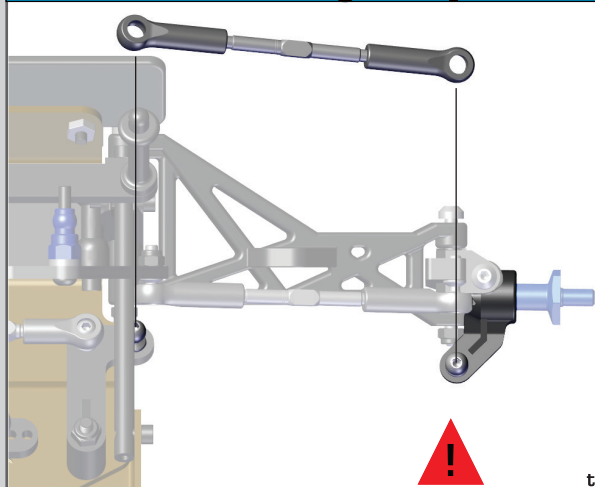
Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



Front Camber Turnbuckle
1.10" (28.00mm)

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



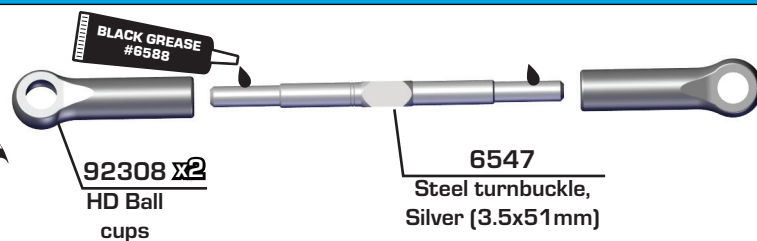
Build 2 (1 left, 1 right)



Racers Tip:

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

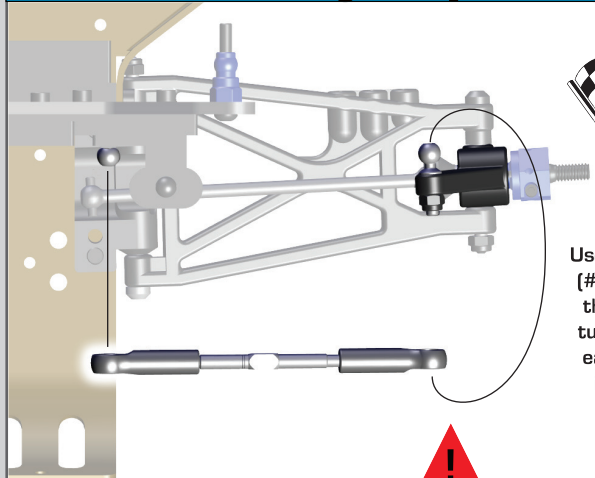
Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



Steering Turnbuckle
1.32" (33.50mm)

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



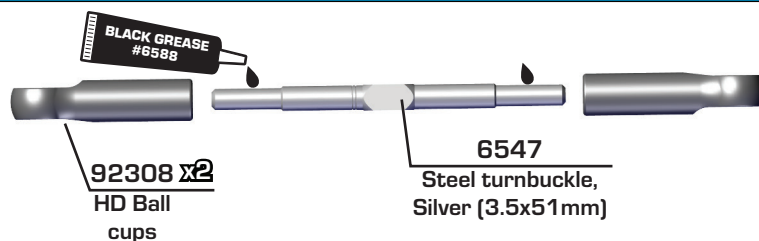
Build 2 (1 left, 1 right)



Racers Tip:

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

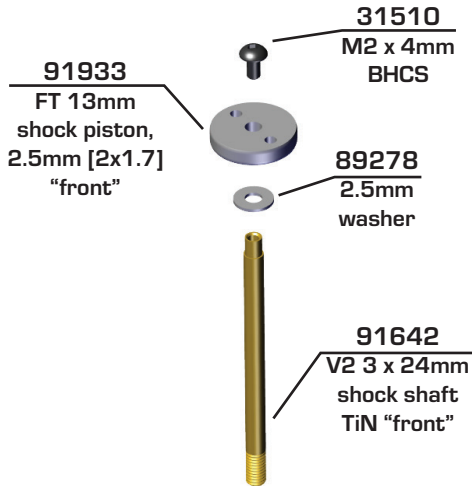
Orient the notch to the left throughout the car. It indicates which end has the left hand threads!



Rear Camber Turnbuckle
1.32" (33.50mm)

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

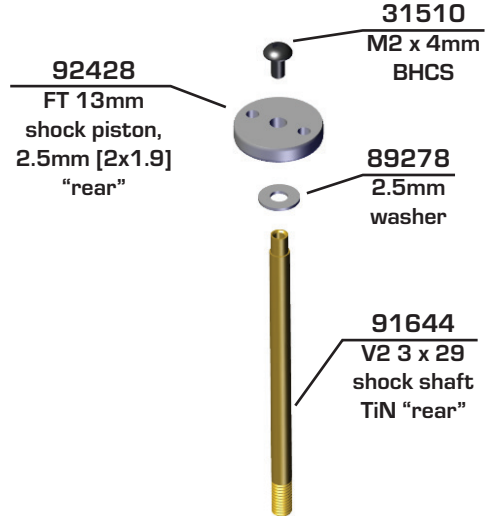



Mount the shock pistons
with the number facing
up!



Racers Tip:

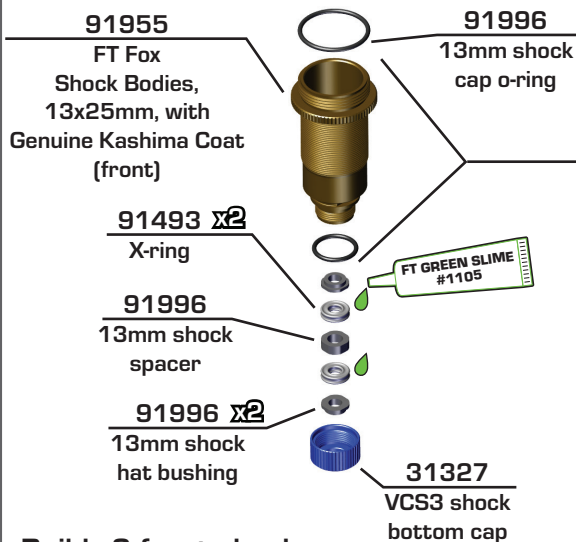
Use marker to mark over the
numbers on the pistons to make
them easily visible!



Build x2 front shocks

Build 2 rear shocks

:: Shocks Build - Bag G - Step 2



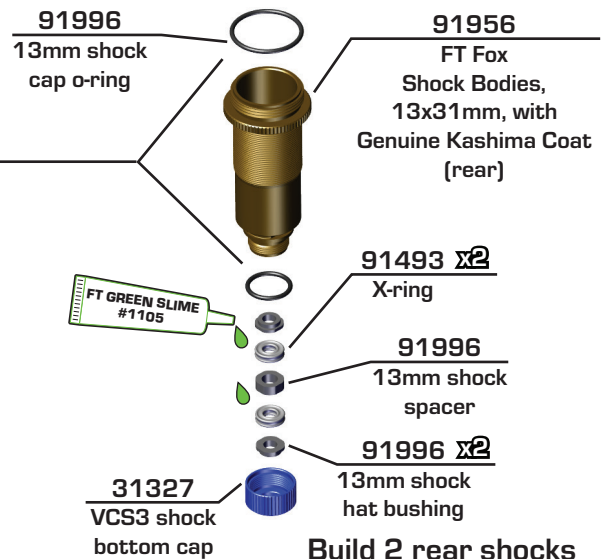

Lightly rub shock oil on the
O-ring before installation!



Racers Tip:

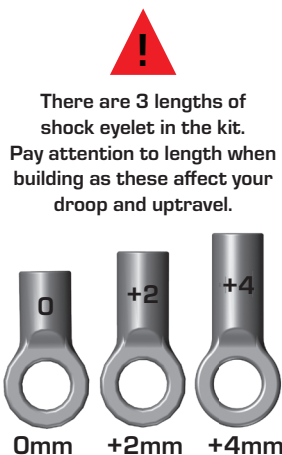
Coating the O-rings with
green slime (#1105) helps
seal & reduce O-ring swell!
Green slime not included
in kit!

Build x2 front shocks

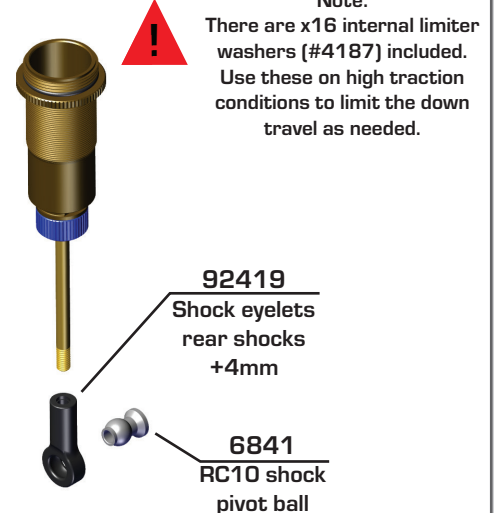


Build 2 rear shocks

:: Shocks Build - Bag G - Step 3



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.

Build 2 rear shocks

:: Shocks Build - Bag G - Step 4

Front Shock: 35wt #5429
Rear Shock: 30wt #5422

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

91926
13mm Shock Cap

Step 8

31510
M2 x 4mm BHCS

Steps 9-10

Stroke
Front: 25.5mm
Rear: 30.5mm

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

91944
13mm front spring, red (4.00lb)

91950
13mm rear spring, blue (2.20lb)

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 - 9mm)

Build x2 front shocks

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

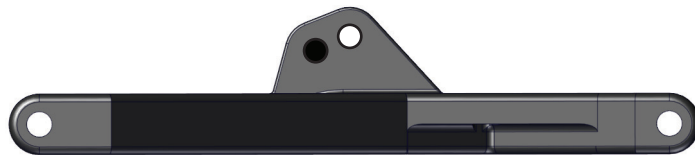
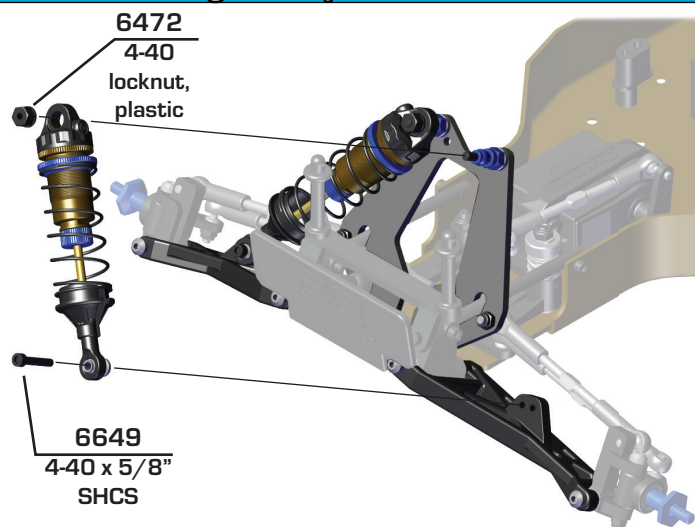
Build x2 rear shocks

#91966 13mm Shock Spring Cups

0mm	5mm	9mm
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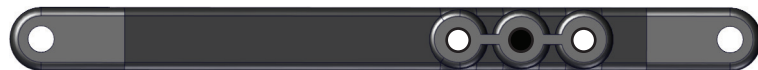
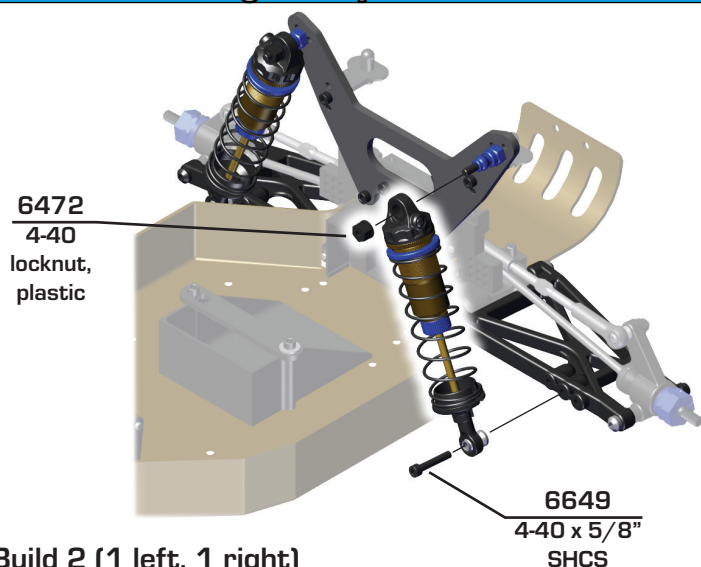
! Screw collars to top. Use to adjust ride height.

:: Shocks Build - Bag G - Step 7



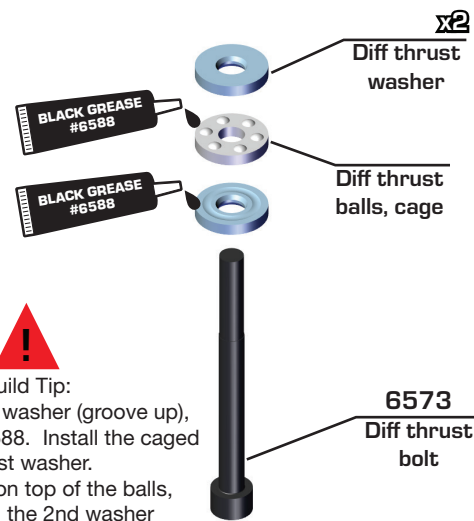
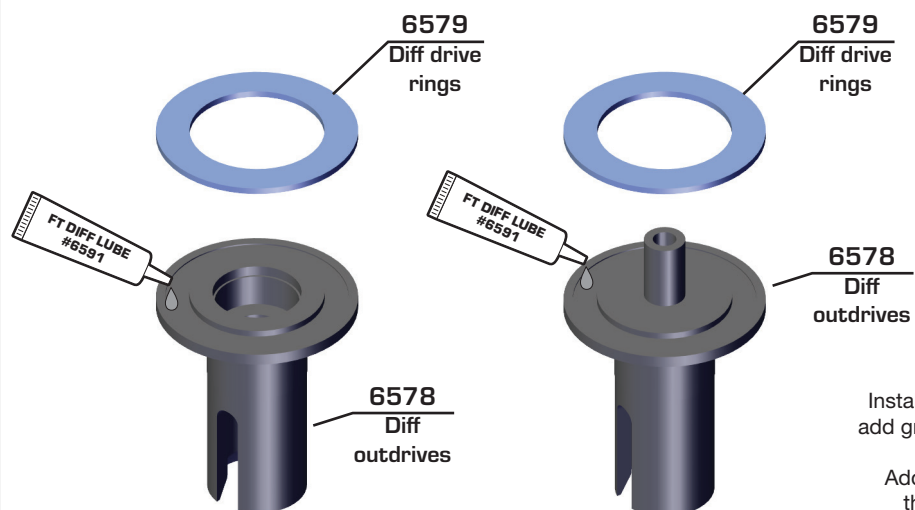
Build 2 (1 left, 1 right)

:: Shocks Build - Bag G - Step 8



Build 2 (1 left, 1 right)

:: Transmission Build - Bag H - Step 1

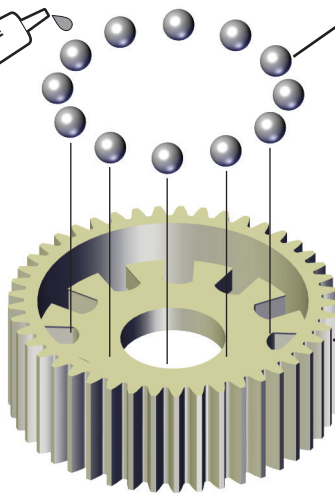
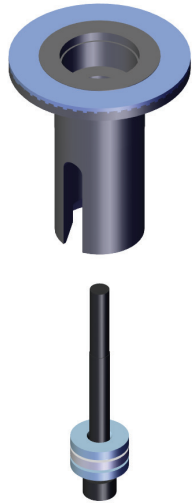


Build Tip:

Install the first washer (groove up),
add grease #6588. Install the caged
thrust washer.

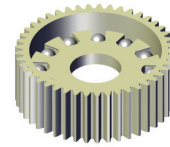
Add grease on top of the balls,
then install the 2nd washer
(grooves down).

Transmission Build - Bag H - Step 2

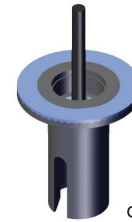


6581 x12
Carbide diff balls, 3/32"

7812
Diff gear 45T

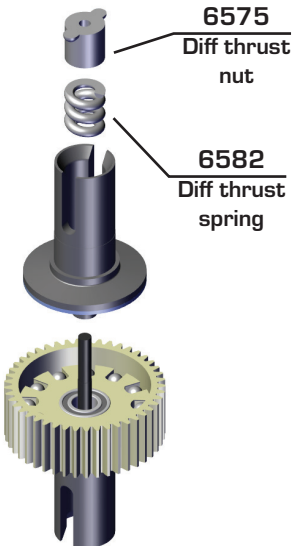


6589 x2
Bearing
5/32 x 5/16



Build Tip:
Do this entire step with the diff screw on the end of your wrench for better control.

Transmission Build - Bag H - Step 3

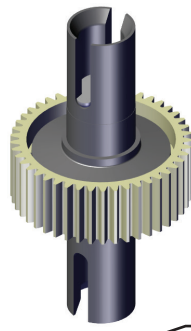


6575
Diff thrust nut

6582
Diff thrust spring



Compress spring first.

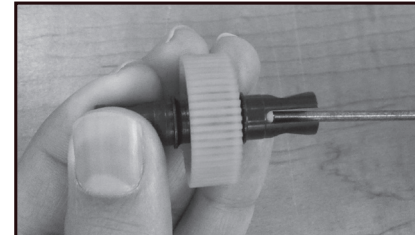


6575
Diff bolt cover

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.

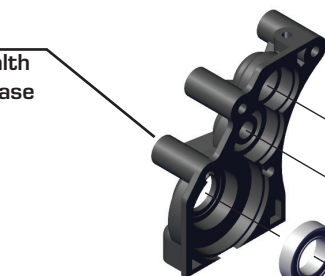
After you have driven the car once, re-check the diff setting.



Transmission Build - Bag H - Step 4

6560
Complete Stealth transmission

6564
RC10WC Stealth transmission case black, right



3976 x2
Bearing
3/8 x 5/8"



6569
Idler gear shaft

6569
Idler gear



9601
Top shaft

3977 x4
Bearing
3/16 x 3/8"



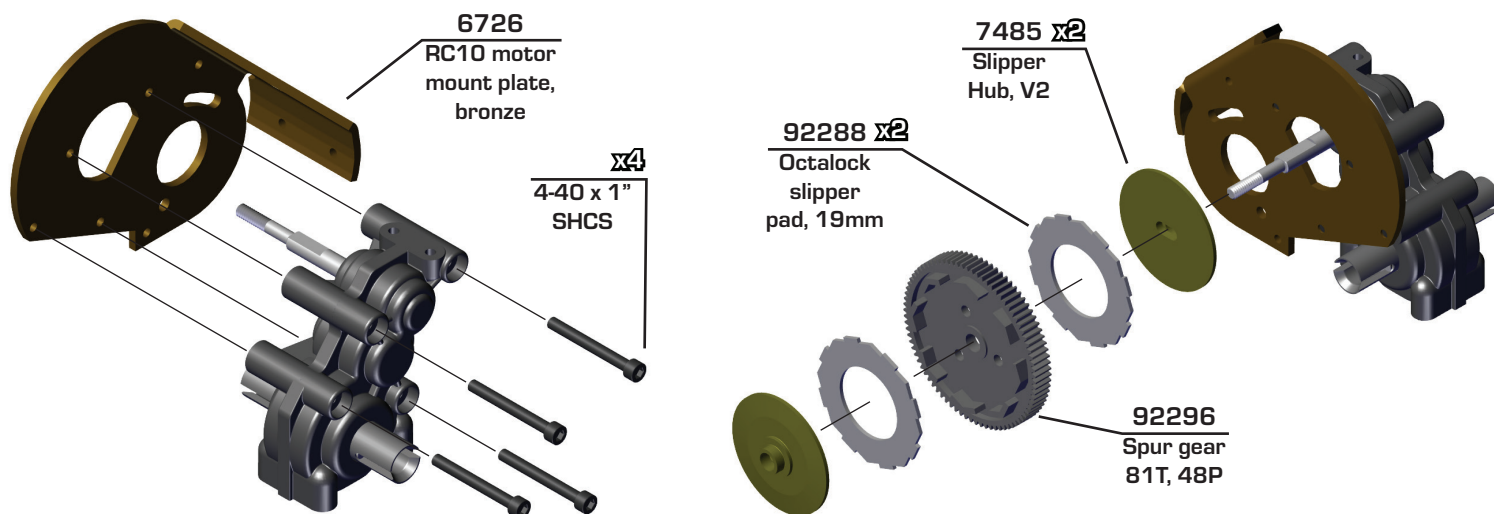
6906
3/16 x 3/8" bearing
***Not included in kit**

6564
RC10WC Stealth transmission case black, left

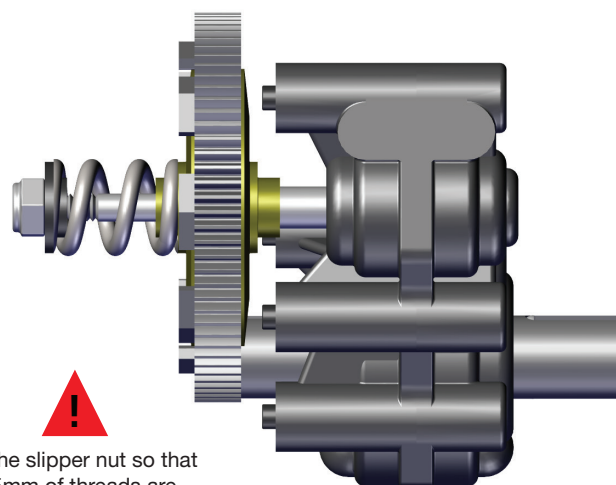
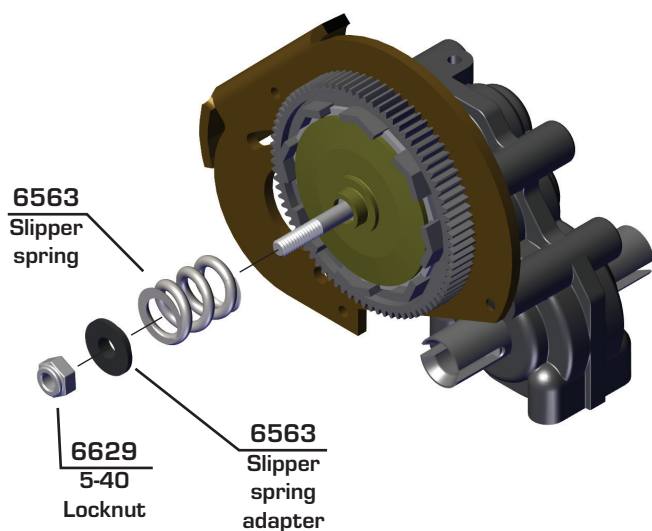


Install the diff with the diff bolt head facing the spur gear side of the transmission!

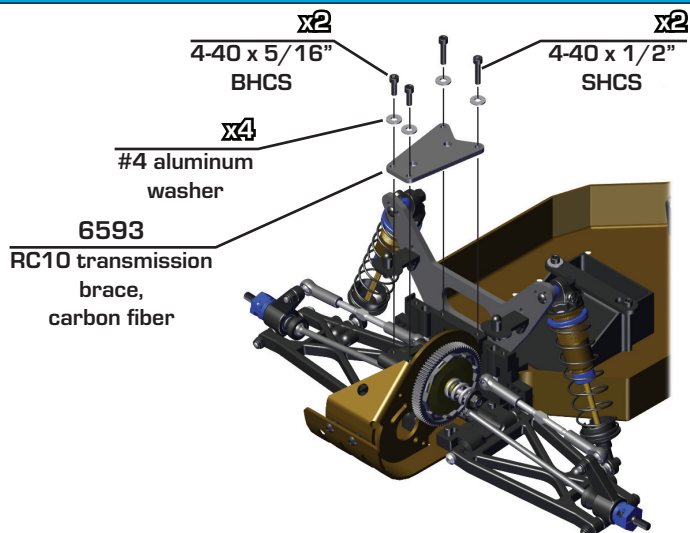
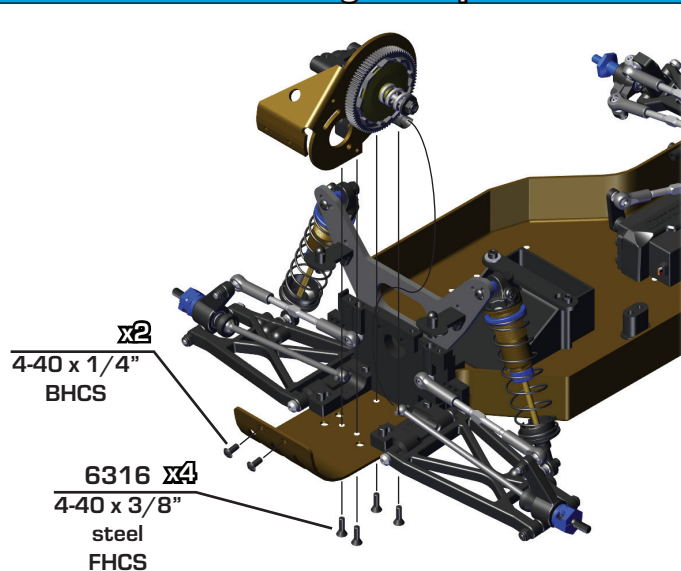
Transmission Build - Bag H - Step 5



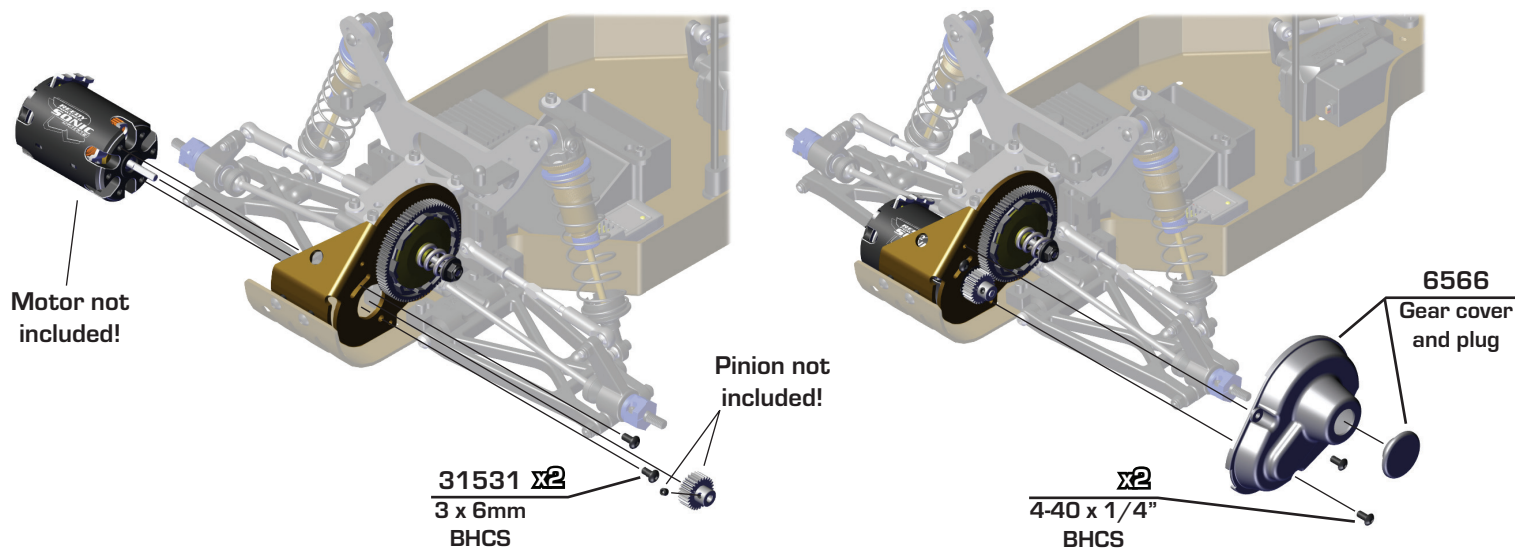
Transmission Build - Bag H - Step 6



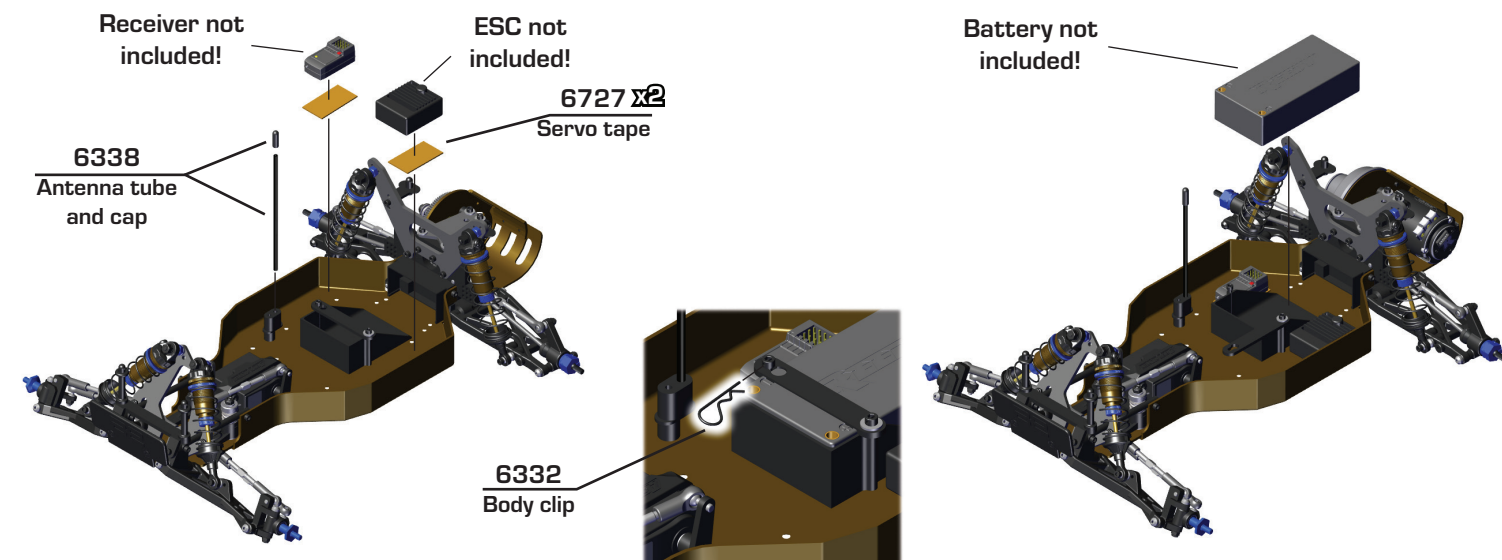
Transmission Build - Bag H - Step 7



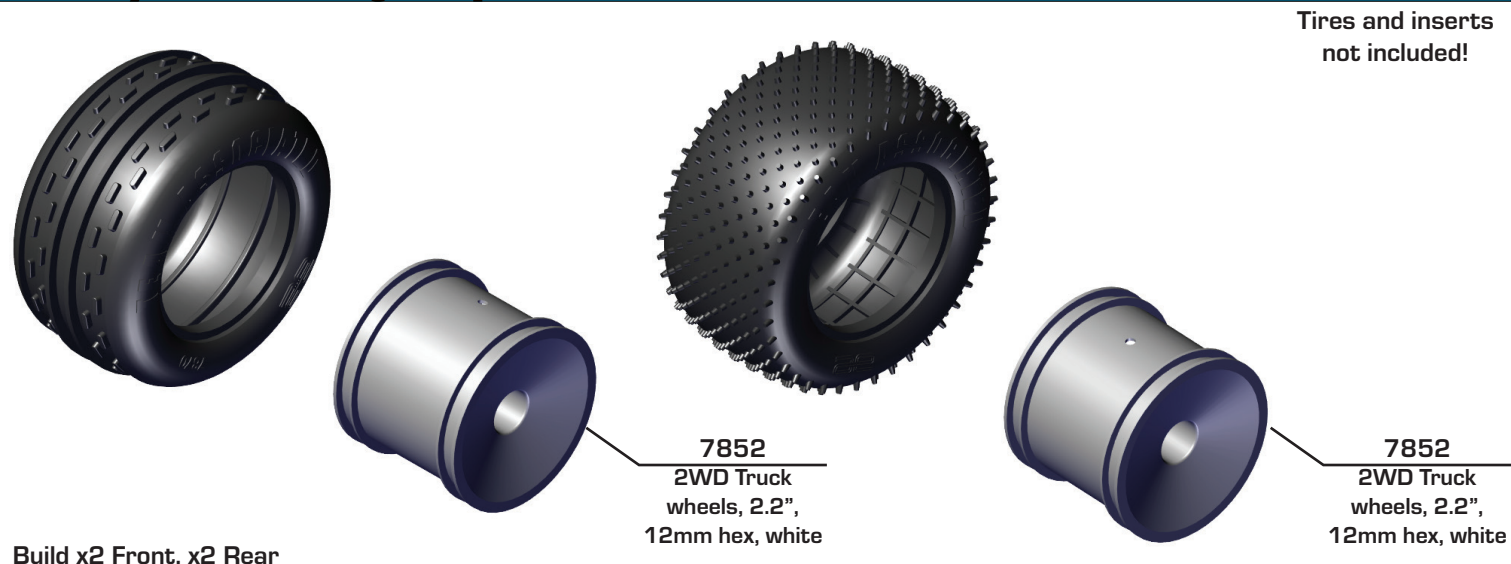
Transmission Build - Bag H - Step 8



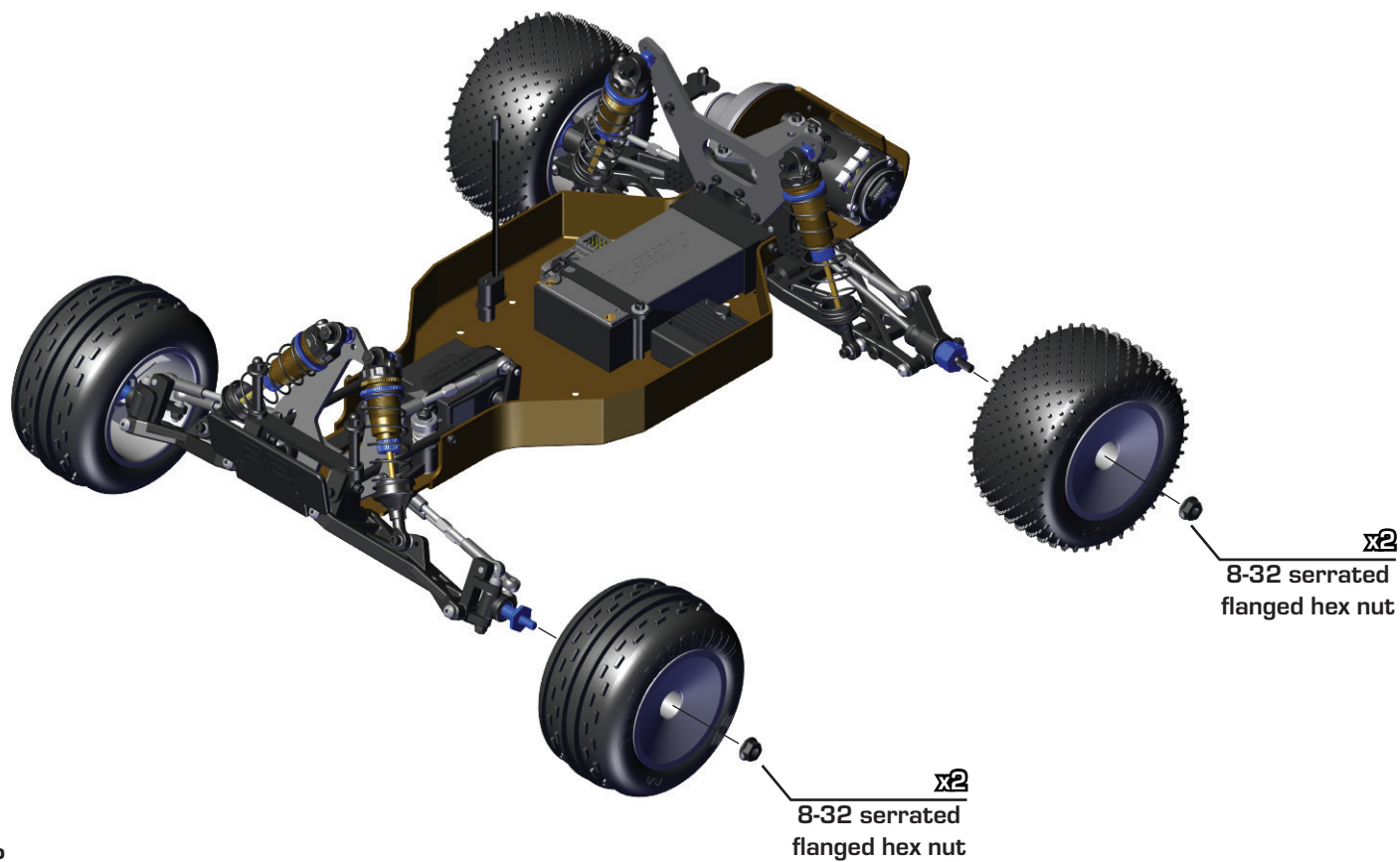
Transmission Build - Bag H - Step 9



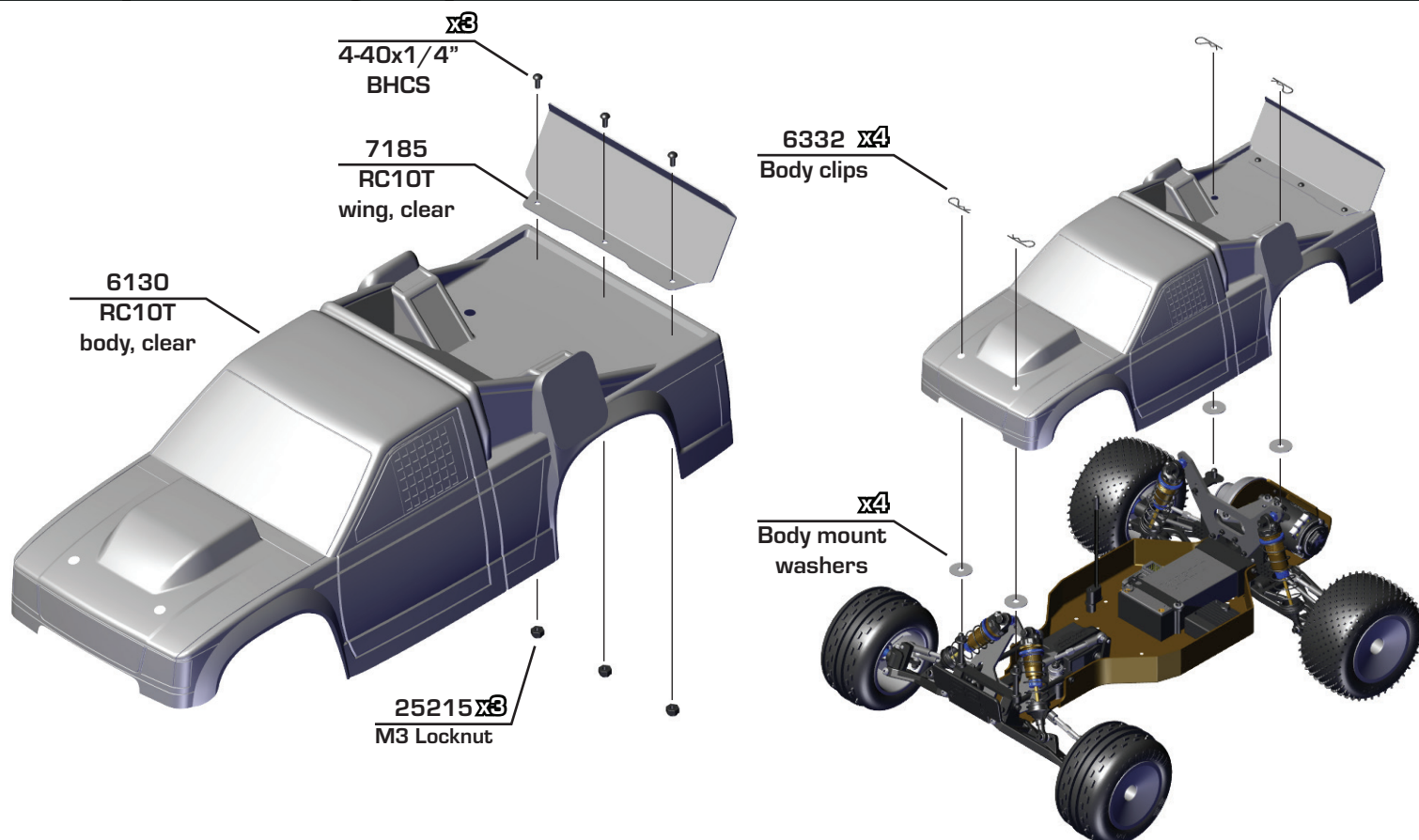
Wheels / Tires Build - Bag I - Step 1



:: Wheels / Tires Build - Bag I - Step 2



:: Wheels / Tires Build - Bag I - Step 3



:: 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.

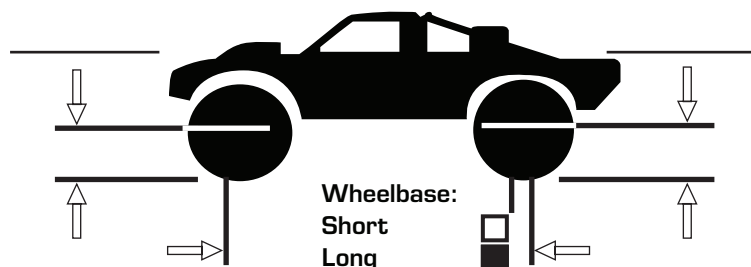
Use the supplied window masks to cover the windows from the INSIDE of the body (RC bodies get painted on the inside). Using high quality masking tape, apply tape to the inside of the body to create a design. Spray (use either rattle can or airbrush) the paint on the inside of the body (preferably dark 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

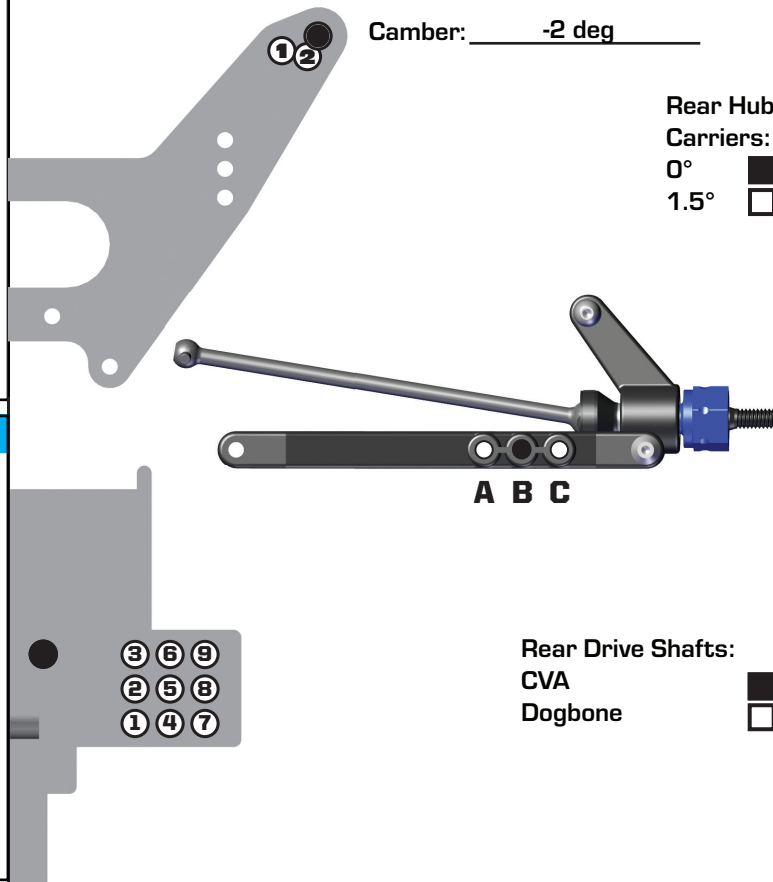
TEAM ASSOCIATED RC10 SETUP SHEET

Driver: Scott Brown - 2nd place (1991-1996) ClassDate: 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:
Arms levelRear Ride
Height:
Bones levelWheelbase:
Short
Long

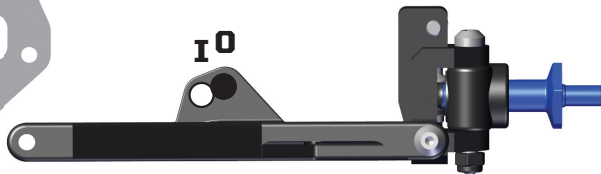
Rear Suspension

Camber: -2 degRear Hub
Carriers:
0° ☒
1.5° ☐

A B C

Rear Drive Shafts:
CVA ☒
Dogbone ☐

Front Suspension

Caster: 25° ☒
30° ☐ Camber: -1 deg
Toe: 1 deg outSteering Block:
Inline ☒
Trailing ☐ Bump Steer Spacers:
Inside: 0
Outside: 0

Front Shocks

Shock Body: Kit Shock Shaft: 27.5mm
Spring: AE Grey 13mm Piston: 2x1.6+1x1.2
Shock Fluid: 35wt Eyelet: 2
Limiters: Int: Ext: Stroke: 23mm
Notes:

Rear Shocks

Shock Body: Kit Shock Shaft: 35mm
Spring: AE Green 13mm Piston: 2x1.7+1x1.3
Shock Fluid: 30wt Eyelet: 0
Limiters: Int: Ext: Stroke: 29.5mm
Notes:

Motor / Battery

Motor & Wind: Reedy SP5 13.5T w/Titanium Screws
Pinion: 25T Spur Gear: 78T
Battery:

Radio / ESC Settings

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

Drivetrain

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

Other

Body Type:
Wing Type:

Weight

Battery Placement:
Ballast Weight:
Notes:

Rear Tires

Tire:
Compound:
Insert: Wheel:

Front Tires

Tire:
Compound:
Insert: Wheel:

Race and Vehicle Comments

Qualify: Main: Finish: TQ:
Comments:

Track Info

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

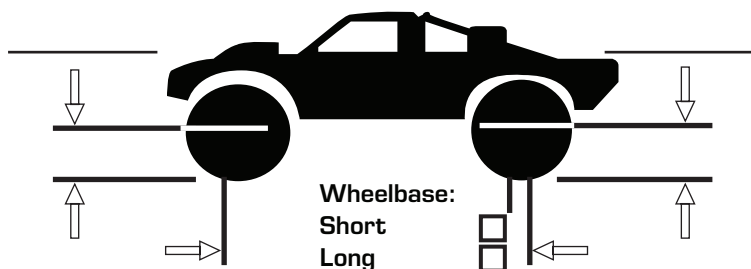
TEAM ASSOCIATED RC10 SETUP SHEET

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

Ride Height / Wheelbase

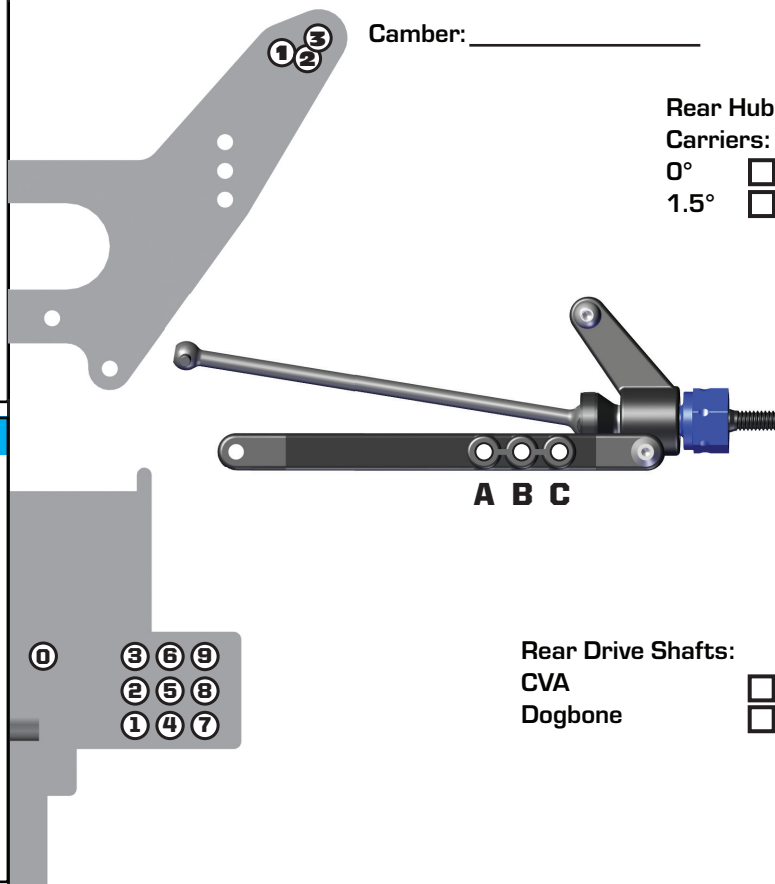
Front Ride
Height:

Rear Ride
Height:



Wheelbase:
Short
Long

Rear Suspension



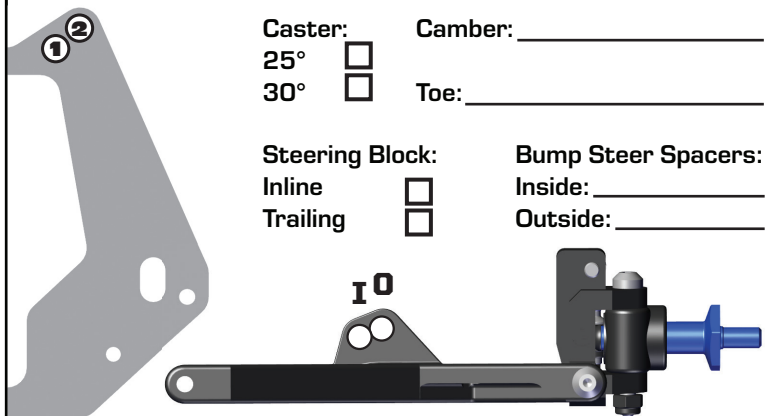
Camber: _____

Rear Hub
Carriers:
0° ☐
1.5° ☐

A B C

Rear Drive Shafts:
CVA ☐
Dogbone ☐

Front Suspension



Caster: 25° ☐
30° ☐
Camber: _____
Toe: _____

Steering Block: Inline ☐
Trailing ☐
Bump Steer Spacers: Inside: _____
Outside: _____

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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