

RC18B2



RC18T2



#20103 RC18B2/RC18T2 Kit

1:18 Scale Electric 4WD Off Road Buggy/Truck Kit Manual & Catalog ^{1/10}

TEAM ASSOCIATED



:: Introduction

Thank you for purchasing this Team Associated product. This manual contains instructions and tips for building and maintaining your new RC18B2 - RC18T2. Please take a moment to read through it and familiarize yourself with these 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.

:: RC18B2 - RC18T2 Features

- Buggy and Truggy racing bodies including rear wing - 0.8mm (0.03") polycarbonate
- Dish racing wheels front and rear (also including narrow fronts for buggy)
- Aggressive mini-pin racing tires
- Blue aluminum threaded shock bodies
- Durable gear differentials front and rear
- Molded composite chassis with sealed drive train
- 2-belt drive system for ultimate durability capable of handling all brushless/lipo combos
- Dual bell crank steering for improved steering feel
- Hinged battery strap for quick battery changes
- Steel turnbuckles with lengthened FT turnbuckle ball cups
- Complete set of 15 precision steel ball bearings
- Updated front and rear bumpers for smoother landings off large jumps
- Improved servo saver for better straight line tracking
- Vertical ball end adjustment front and rear for easy roll center adjustments
- Blue aluminum ball studs
- Dog bone front and rear axles

:: Additional

:: RC18B2 - RC18T2 Items Needed:

- R/C two channel surface frequency radio system with steering servo
- AA-sized batteries for transmitter
- Micro sized servo
- 6 cell (7.4V) NiMH battery pack or 2 cell (7.4V) LiPo battery pack
- Battery charger (we recommend a peak detection charger)
- Electronic Speed Control (ESC)
- R/C electric motor (370 sized)
- Lexan specific spray paint

Tools included:

- 4-way wrench
- hex wrenches: (1.5mm, 5/32" [2mm])

**There is a 1:1 fold out
in the back of the manual.
Fold it out while building your
kit for easy hardware sizing!**



* These Symbols Indicate
a special note or instructions.

:: Optional

Optional parts and gear to accessorize and maintain your RC18B2 - RC18T2:

- Green Slime shock lube (AE Part# 1105)
- Cyanoacrylate glue (AE Part# 1597)
- Thread Locking Compound (AE Part# 1596)
- Silicone Shock Fluid (Refer to catalog for complete listings)
- Body Scissors (AE Part# 1737)
- Reamer / Hole Punch
- FT Hex Wrenches (AE Part# 1541)
- FT Screwdriver Set (AE Part# 1551)
- FT Nut Driver Set (AE Part# 1561)
- Hobby Knife
- Needle Nose Pliers
- Wire Cutters
- Soldering Iron
- Calipers or a Precision Ruler
- RC18B2/T2 CVD kit (AE Part# 21230)
- FT Ball Differential Kit (AE Part# 21381 front, 21408 rear)
- FT Anti-Roll Bar Kit (AE Part# 21386)
- FT Graphite Chassis Conversion Kit (AE Part# 21402)
- Titanium Turnbuckle Set w/Ball Cups (AE Part# 21404)
- FT Slipper Shaft Assembly (AE Part# 21405)

Associated Electrics, Inc.
26021 Commercentre Dr.
Lake Forest, CA 92630

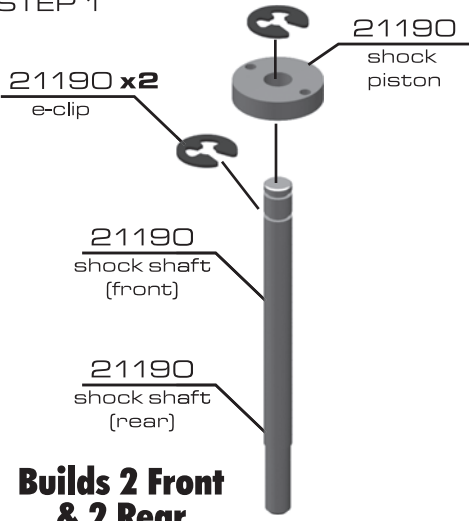


Customer Service
Tel: 949.544.7500
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<http://www.TeamAssociated.com> • <http://www.RC10.com> • http://twitter.com/Team_Associated • <http://bit.ly/AEonFacebook>

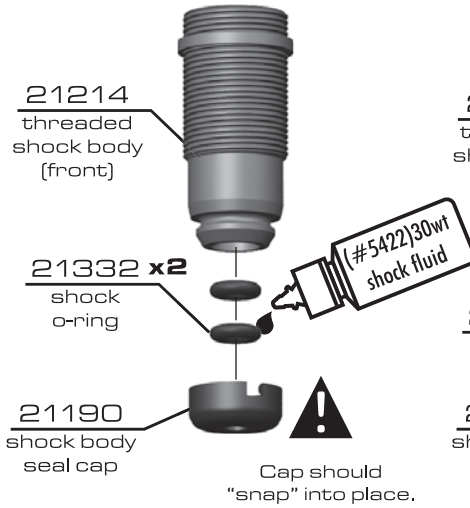
:: Shock Build

STEP 1

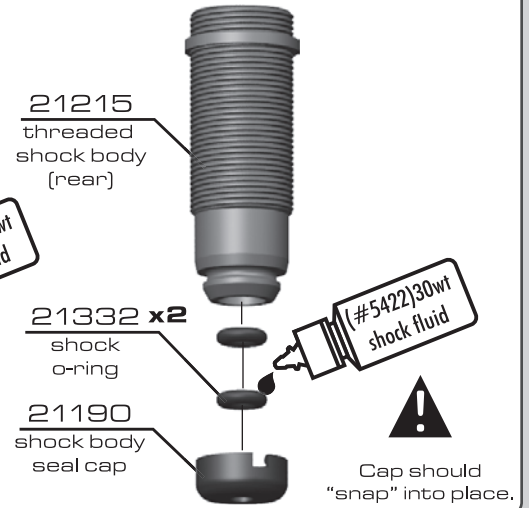


Builds 2 Front & 2 Rear

Front



Rear

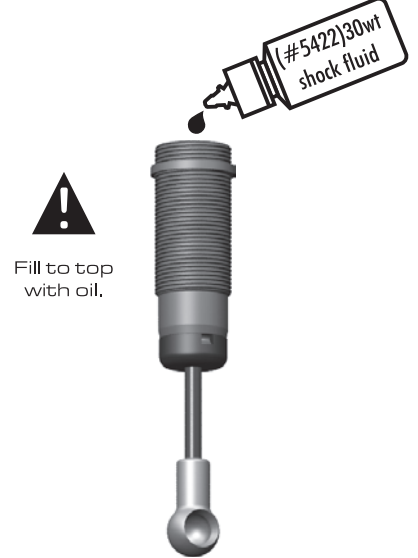


:: Shock Build (cont.)

STEP 2

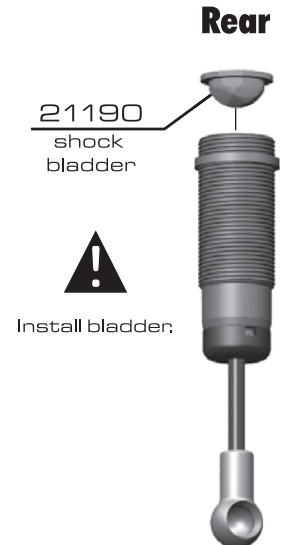
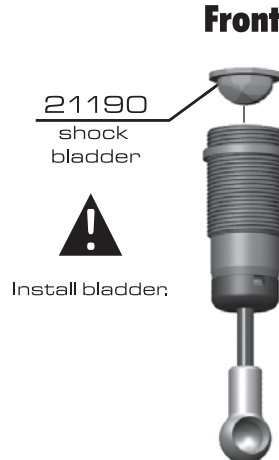
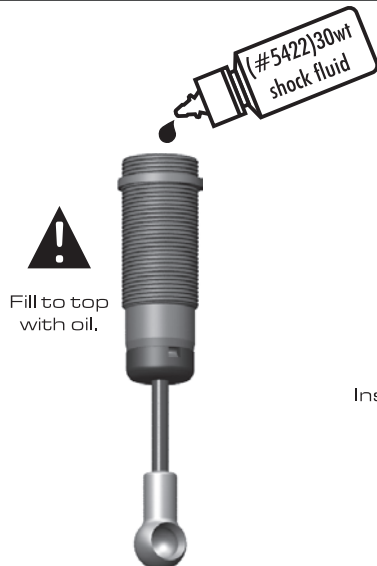
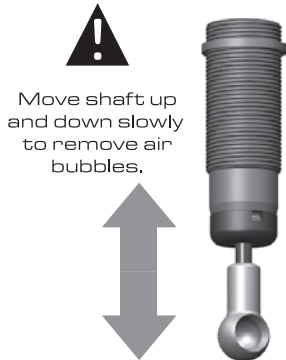
Front

Rear



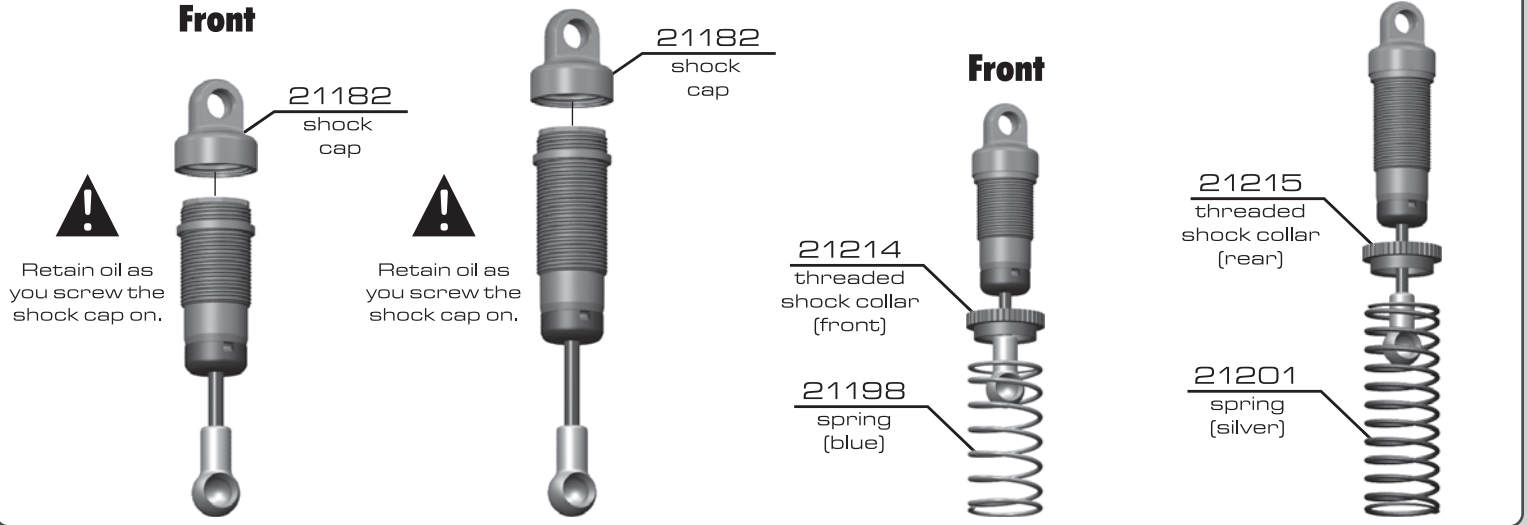
:: Shock Build (cont.)

STEP 3



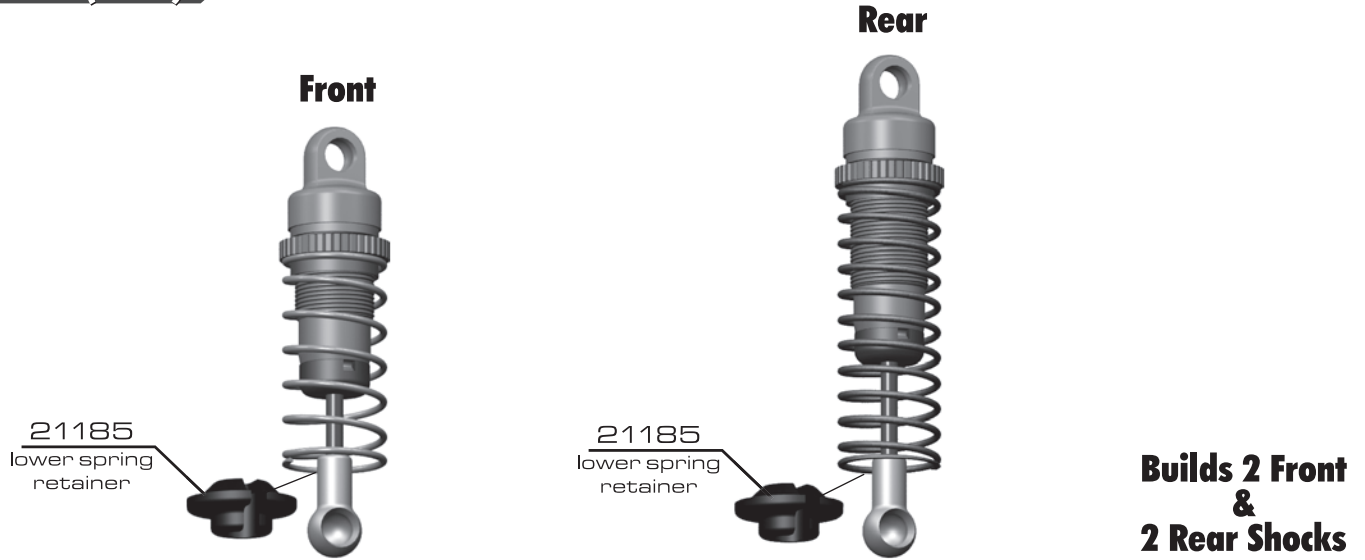
:: Shock Build (cont.)

STEP 4



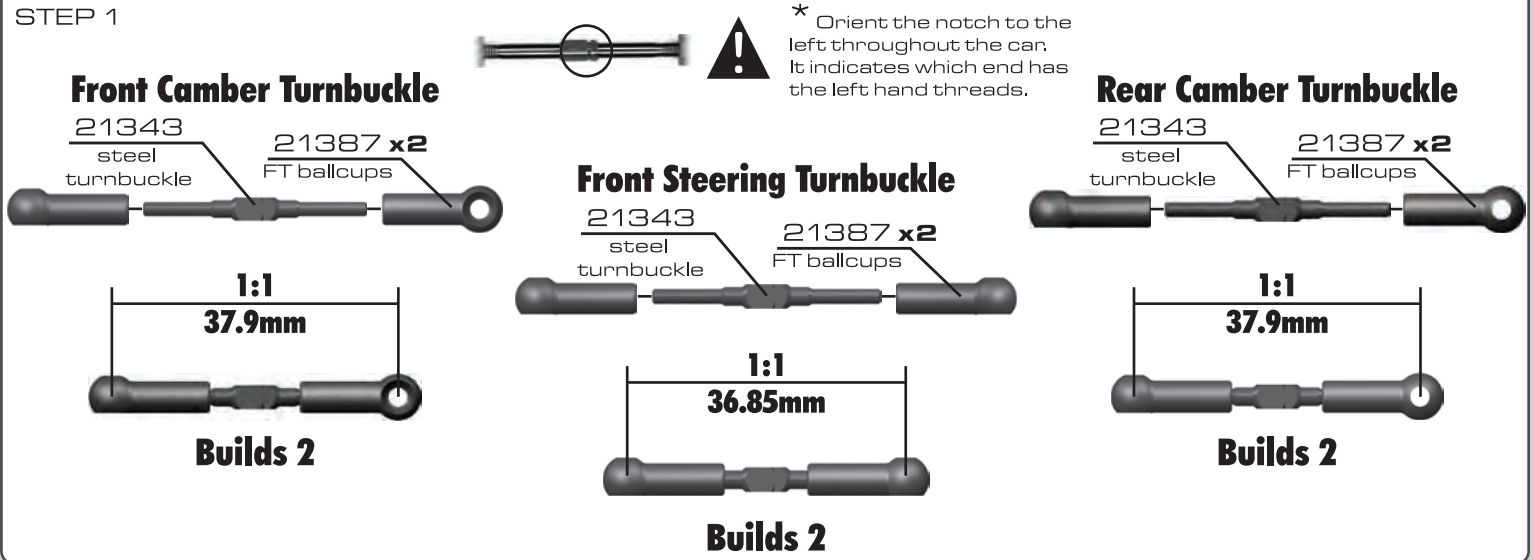
:: Shock Build (cont.)

STEP 5



:: Turnbuckle Build

STEP 1



:: Differential Build

STEP 1

21319
gear diff
(sun)

21318
gear diff
case

21141
diff shim

21106
bearing
(8x12x3.5)

21317
gear diff
outdrive

! Outdrive should "snap" into sun gear.

Front

21319
gear diff
(sun)

21135 x4
M2x12mm
fhps

21141
diff shim

21106
bearing
(8x12x3.5)

21318
gear diff
case, front
(narrow)

! Outdrive should "snap" into sun gear.

21317
gear diff
outdrive

Rear

21319
gear diff
(sun)

21135 x4
M2x12mm
fhps

21141
diff shim

21106
bearing
(8x12x3.5)

21317
gear diff
outdrive

21407
gear diff
case, rear
(wide)

:: Differential Build (cont.)

STEP 2

21319 x4
gear diff
(planet)

* Align slots in cross pins.

21319 x2
gear diff
cross pin

Front

Narrow

Rear

Wide

Builds Front and Rear Diffs

:: Gearbox Install

STEP 1

Front

21130
M2x3mm
bhps

21314
belt tensioner

21337
bearing
(3x6x2.5)

21312
front
gearbox

21314
belt
tensioner
nut

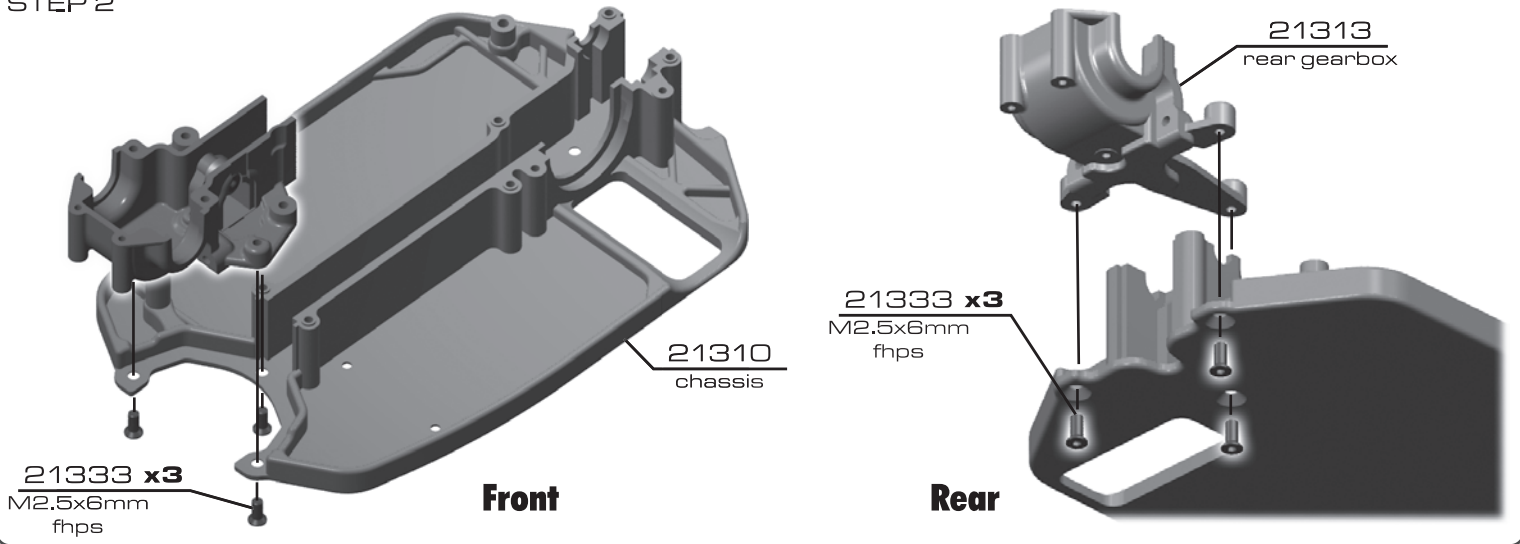
21334
M2x6mm
fhps

! * Front Belt Tension Adjustment.

Tighten
Loosen

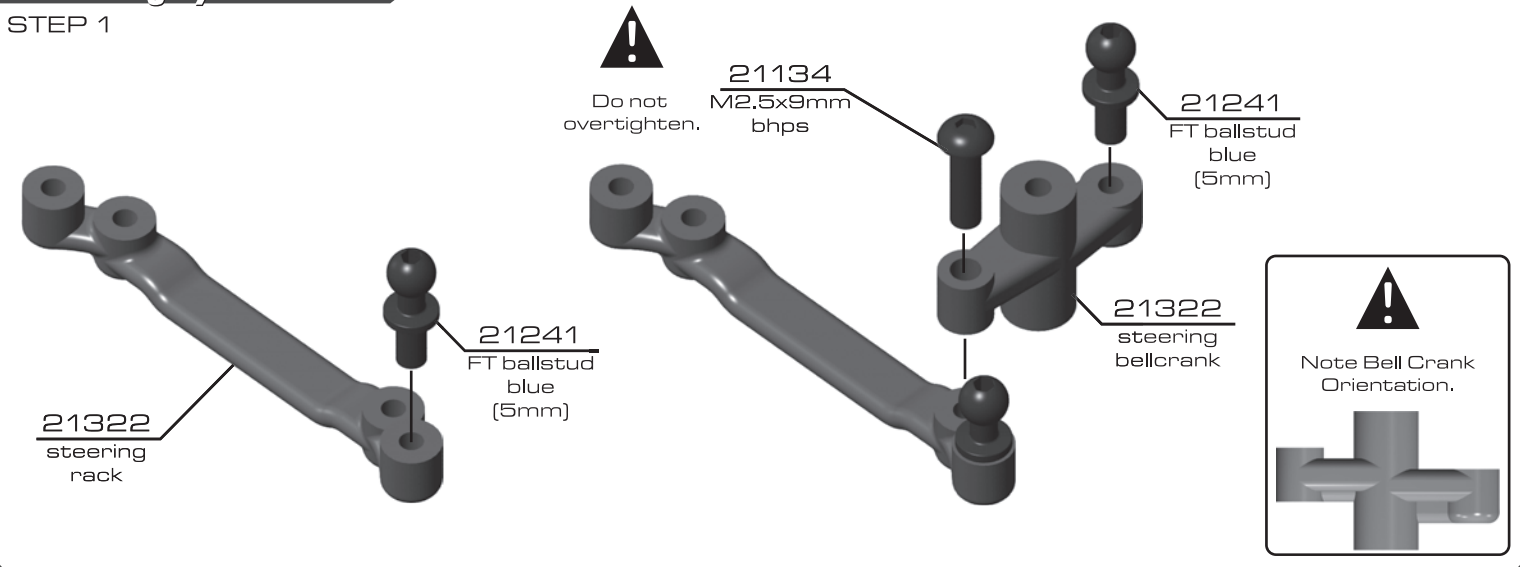
:: Gearbox Install (cont.)

STEP 2



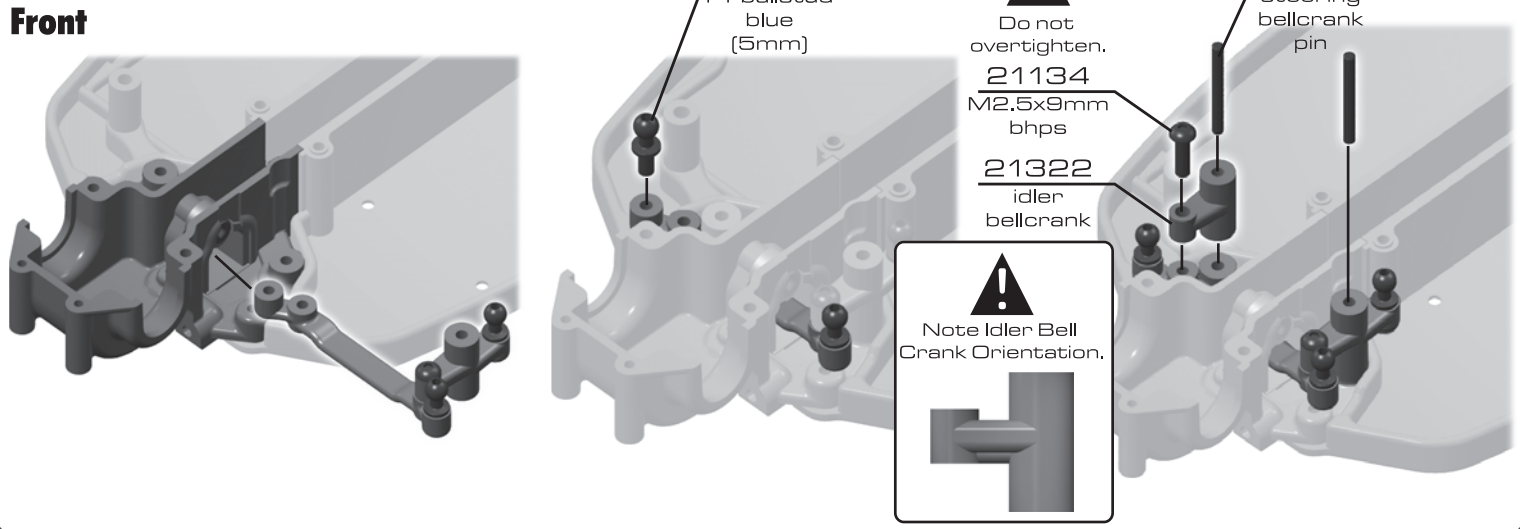
:: Steering System Build

STEP 1



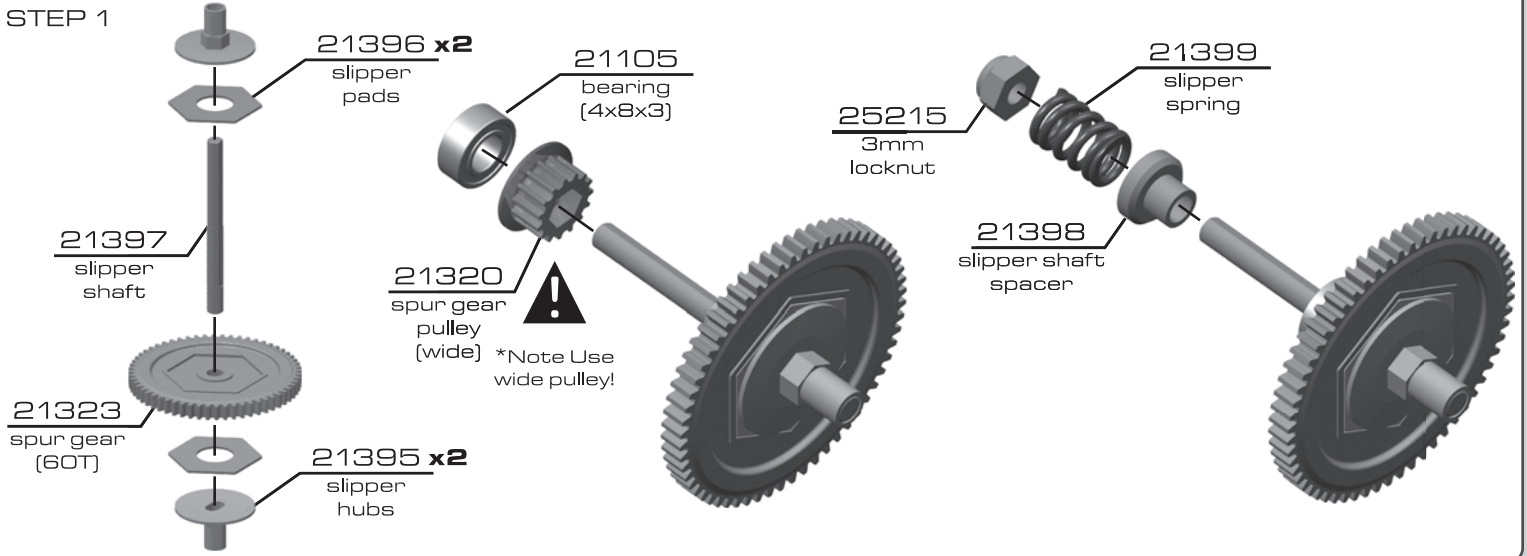
:: Steering System Build (cont.)

STEP 2



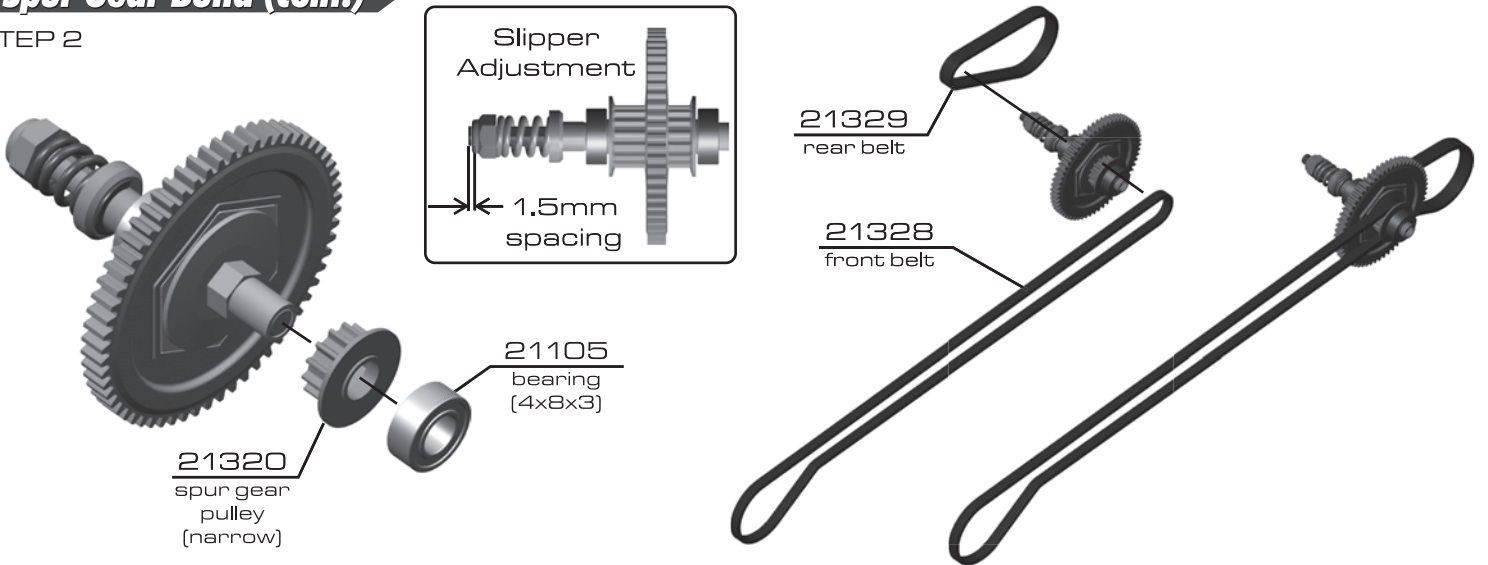
:: Spur Gear Build

STEP 1



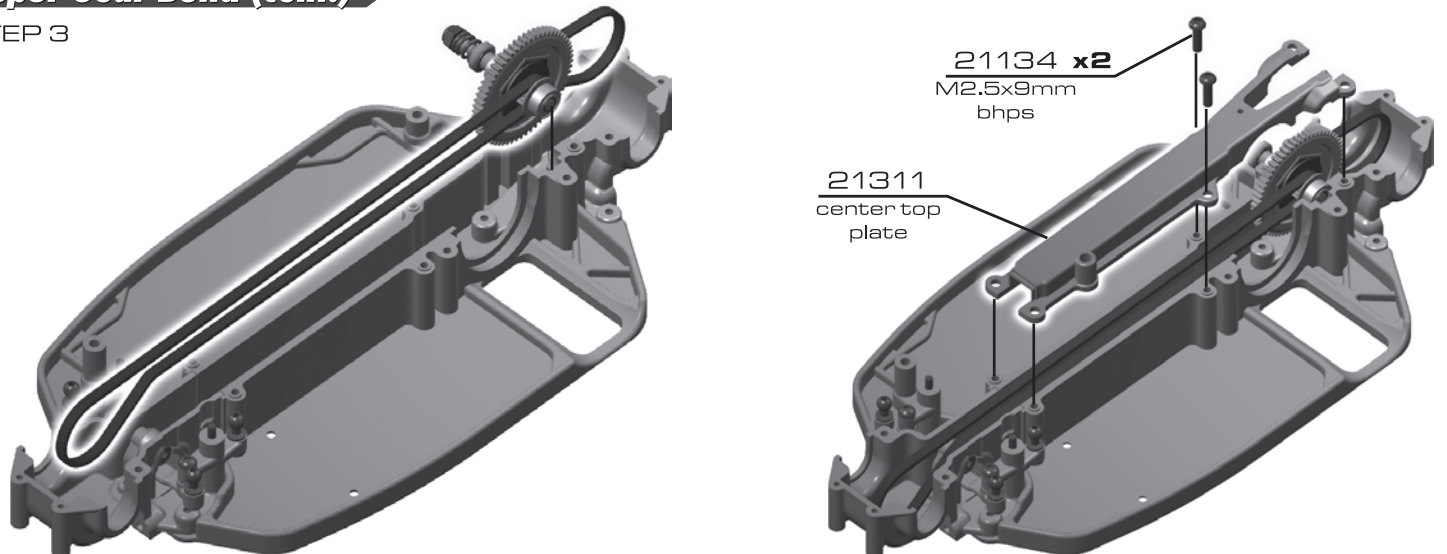
:: Spur Gear Build (cont.)

STEP 2



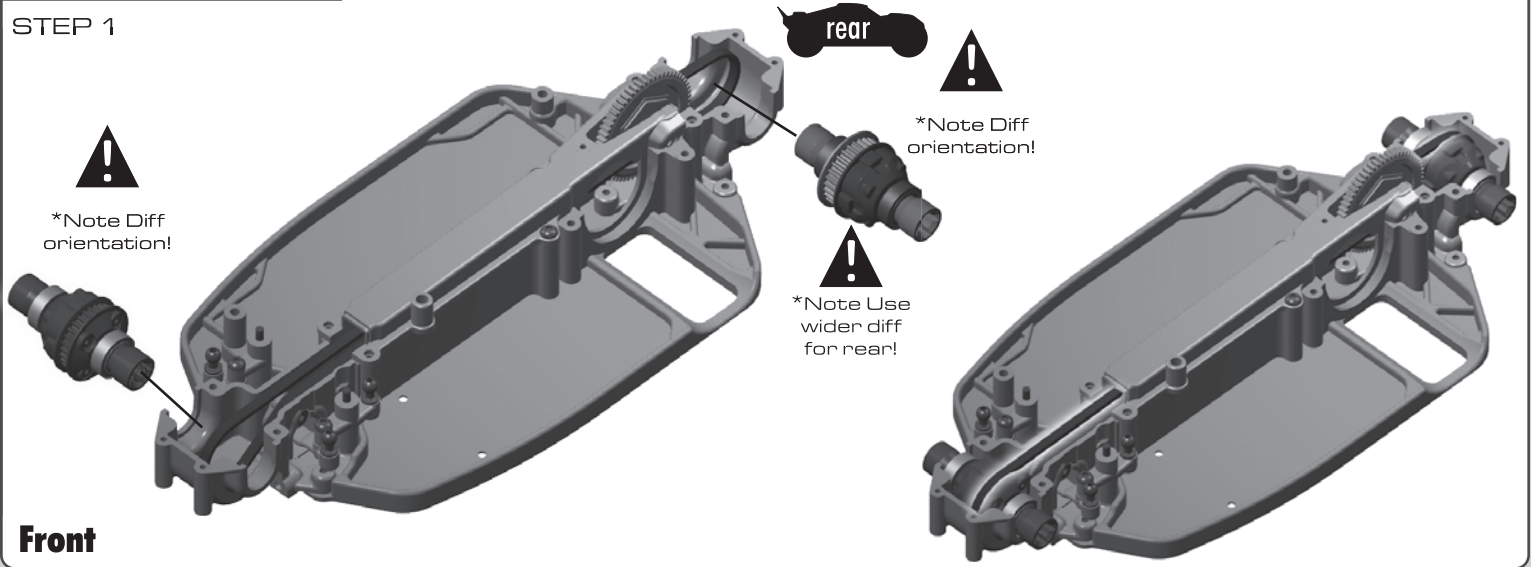
:: Spur Gear Build (cont.)

STEP 3



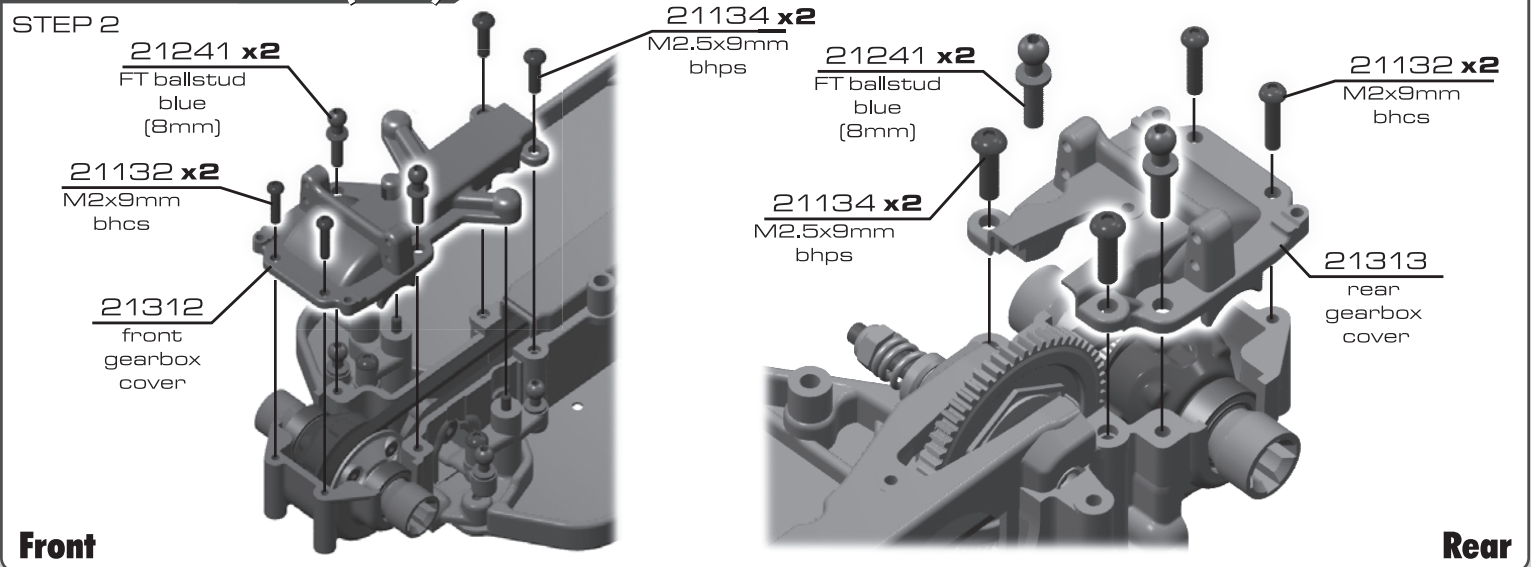
:: Differential Install

STEP 1



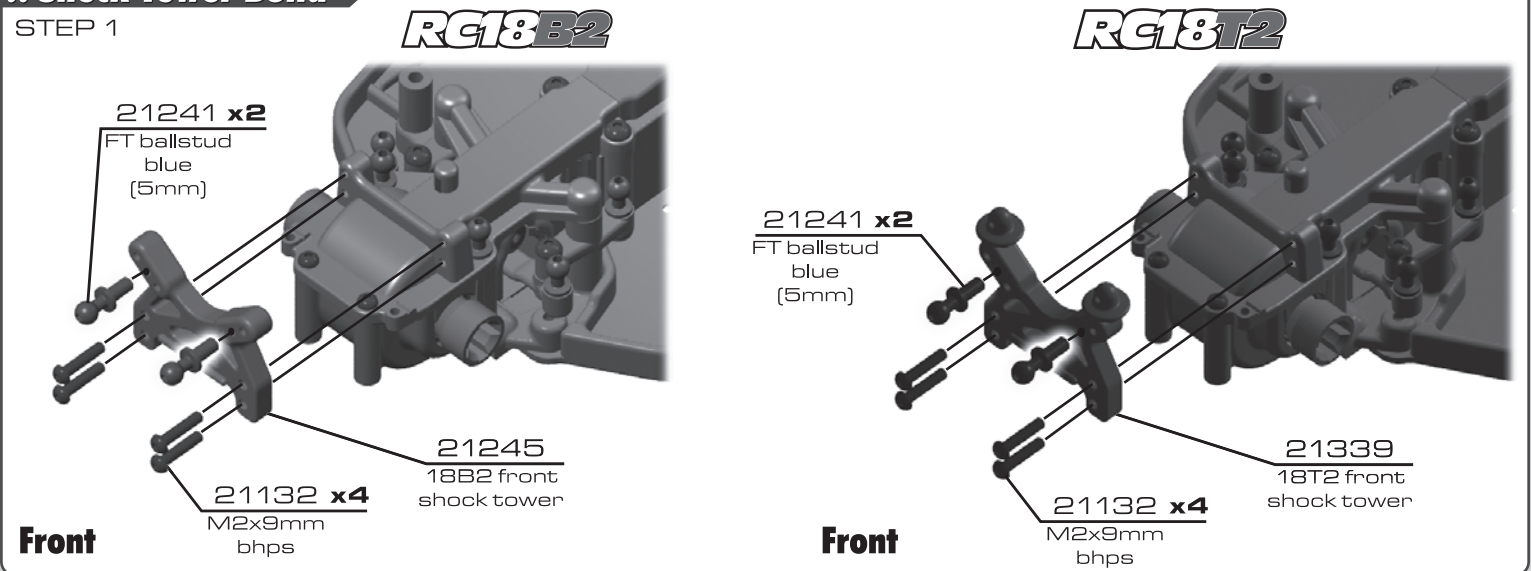
:: Differential Install (cont.)

STEP 2



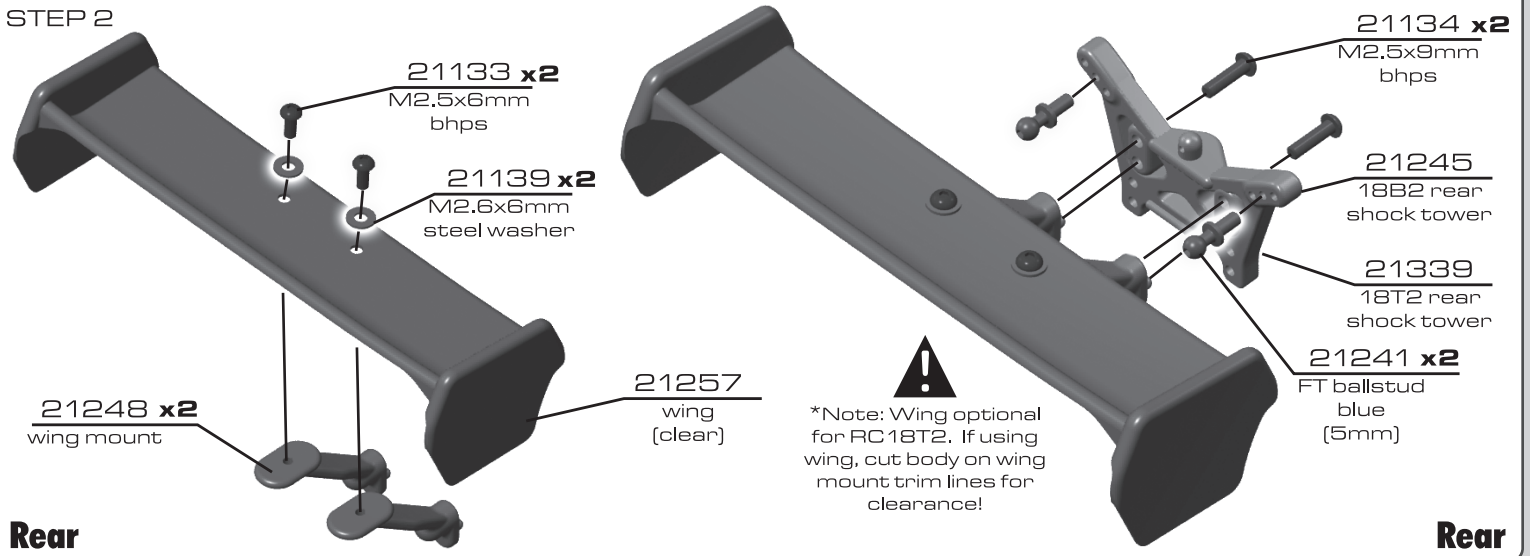
:: Shock Tower Build

STEP 1



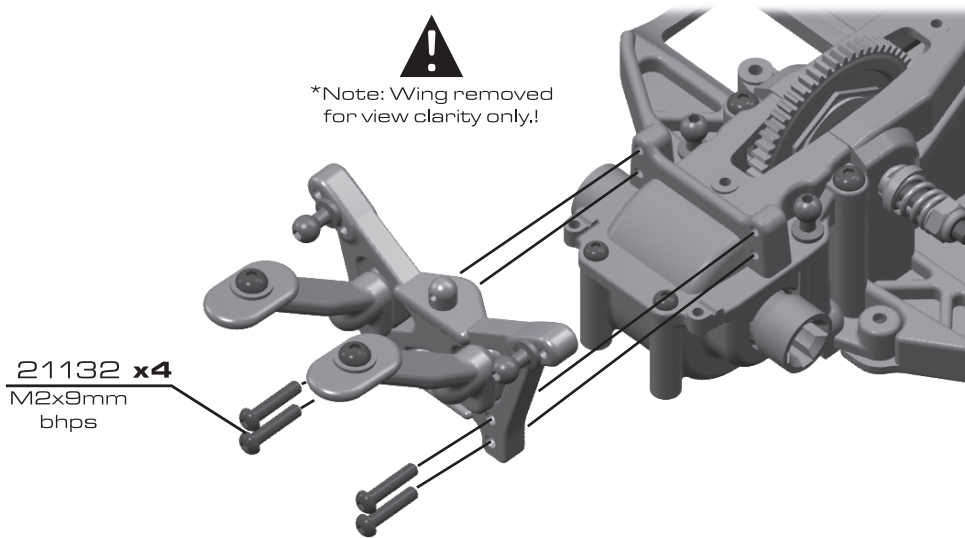
:: Shock Tower Build (cont.)

STEP 2



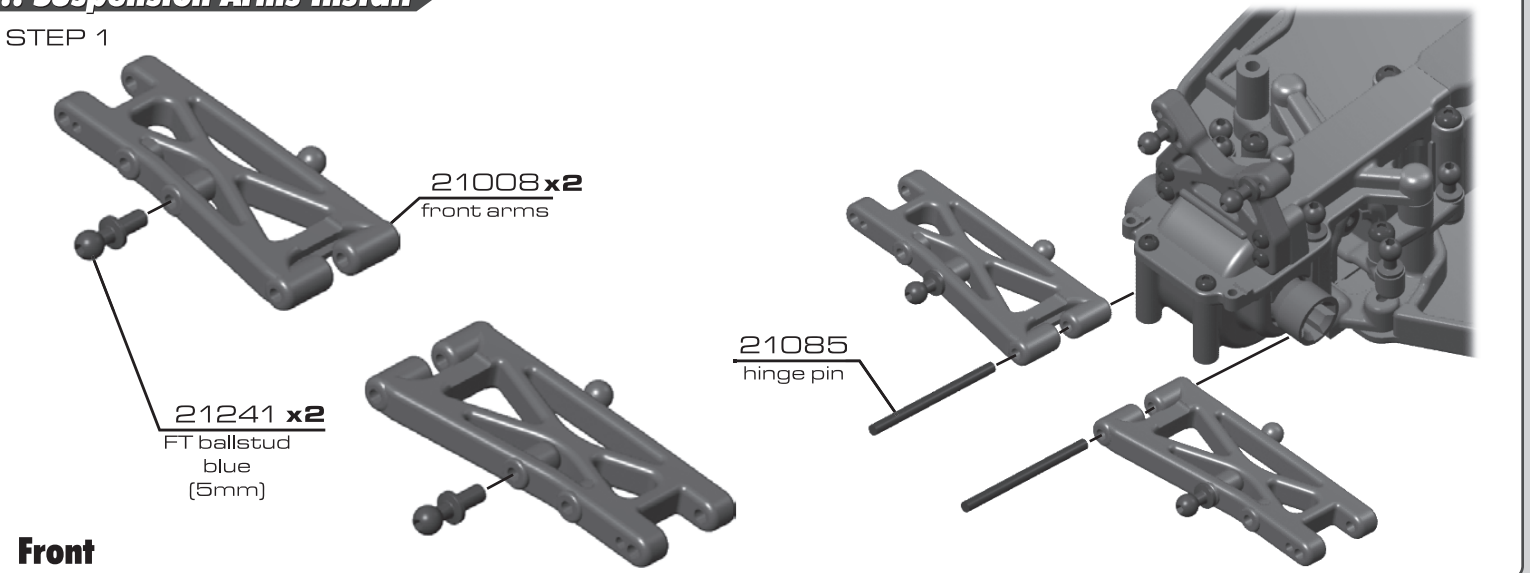
:: Shock Tower Build (cont.)

STEP 3



:: Suspension Arms Install

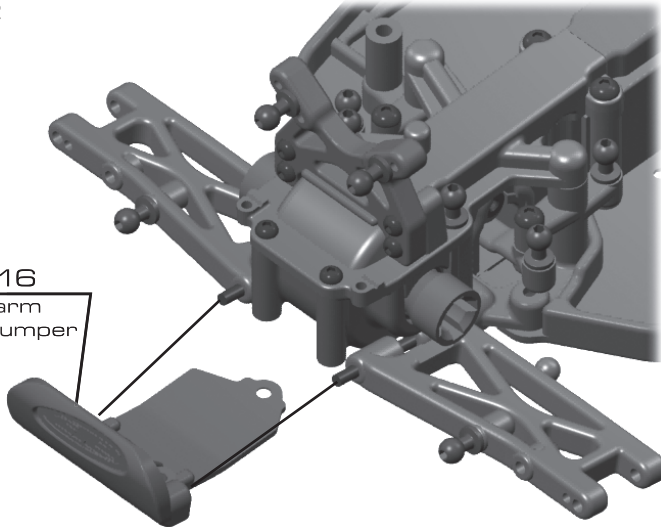
STEP 1



:: Suspension Arms Install (cont.)

STEP 2

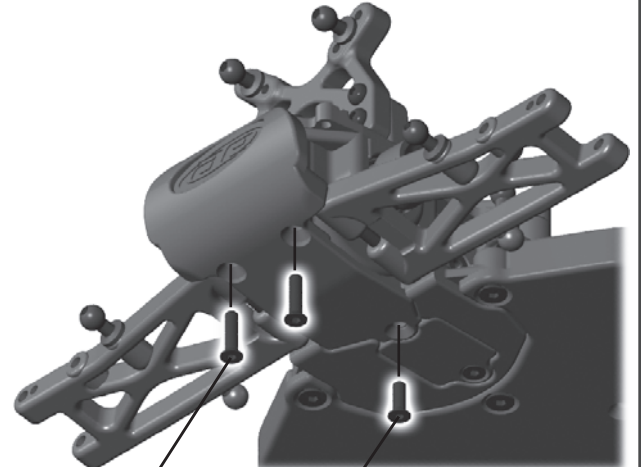
21316
front arm
mount/bumper



Front

25196 x2
M2x8mm
fhps

21334
M2x6mm
fhps

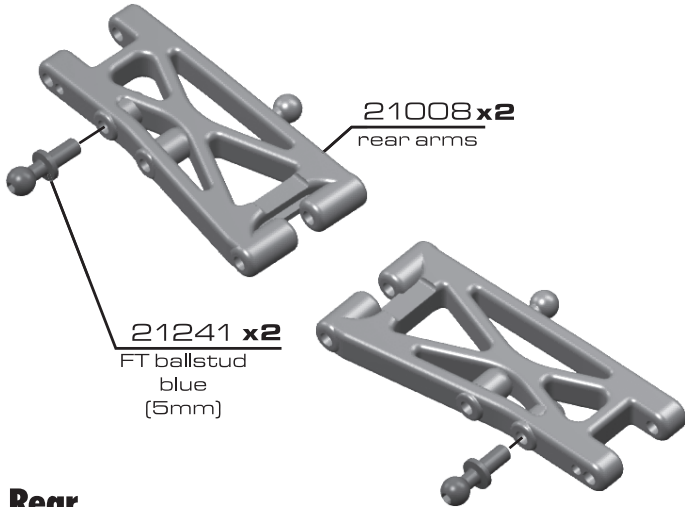


:: Suspension Arms Install (cont.)

STEP 3

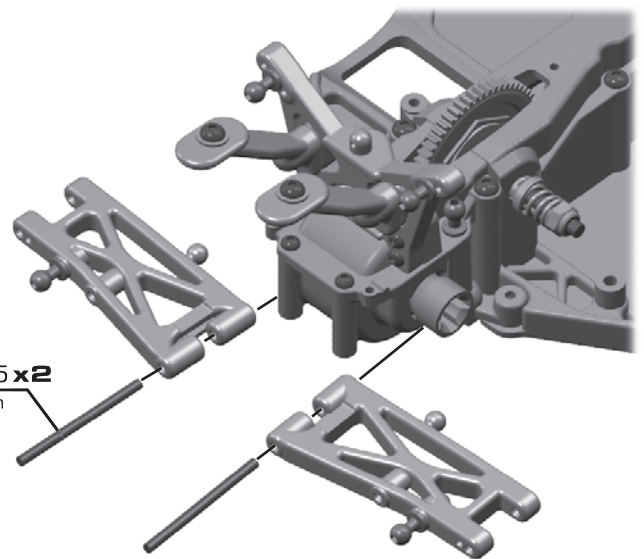
21008 x2
rear arms

21241 x2
FT ballstud
blue
(5mm)



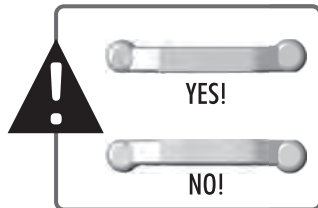
Rear

21085 x2
hinge pin

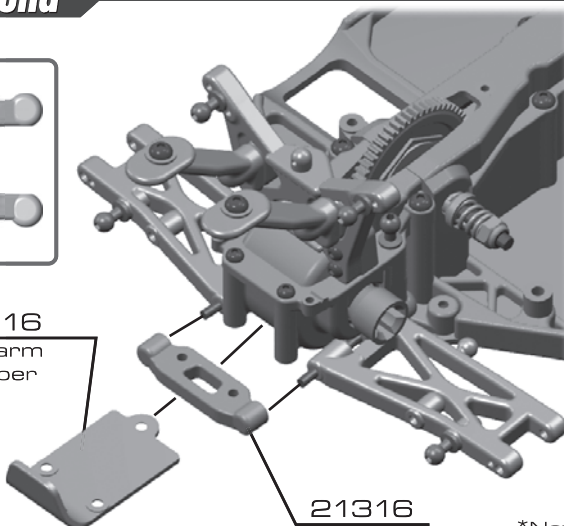


:: Shock Tower Build

STEP 4



21316
rear arm
bumper



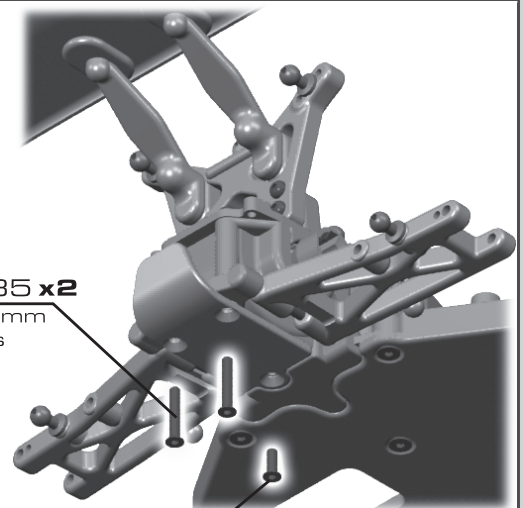
21316
rear arm
mount

Rear

21135 x2
M2x12mm
fhps

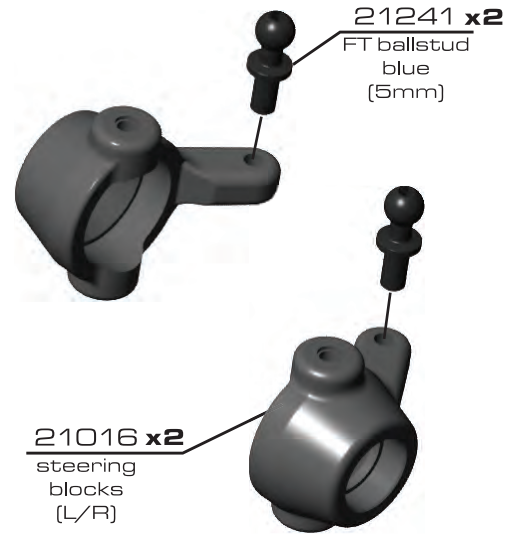
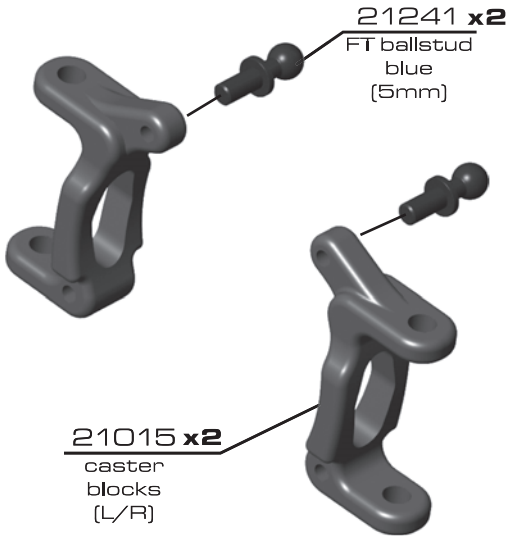
21334
M2x6mm
fhps

*Note: Wing removed
for view clarity only!



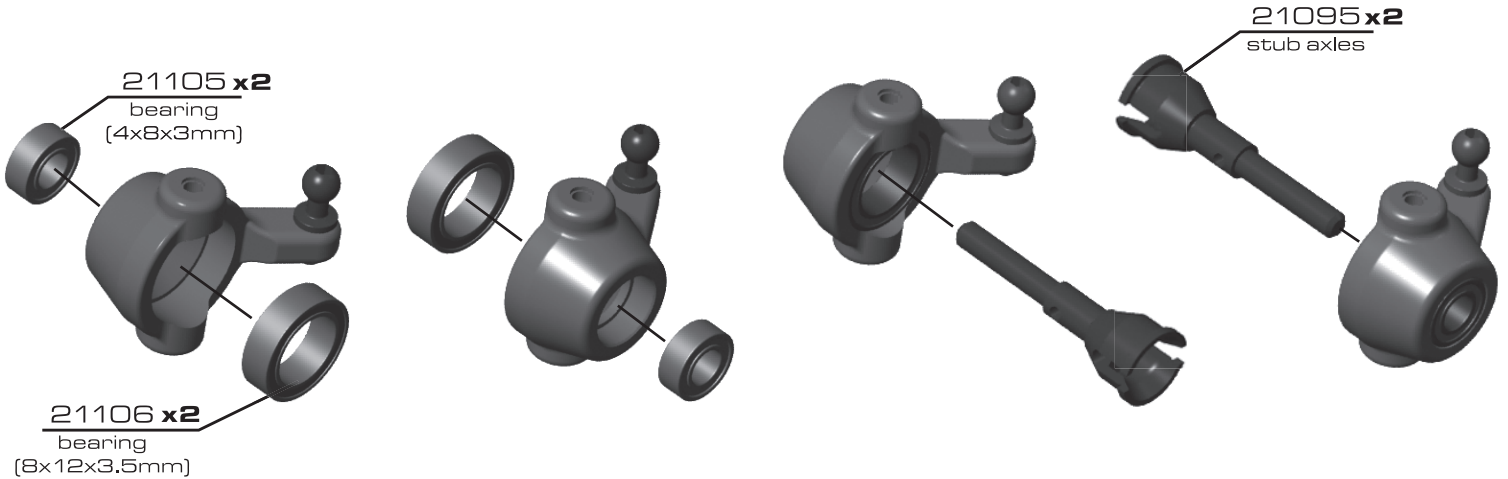
:: Caster Blocks Build

STEP 1



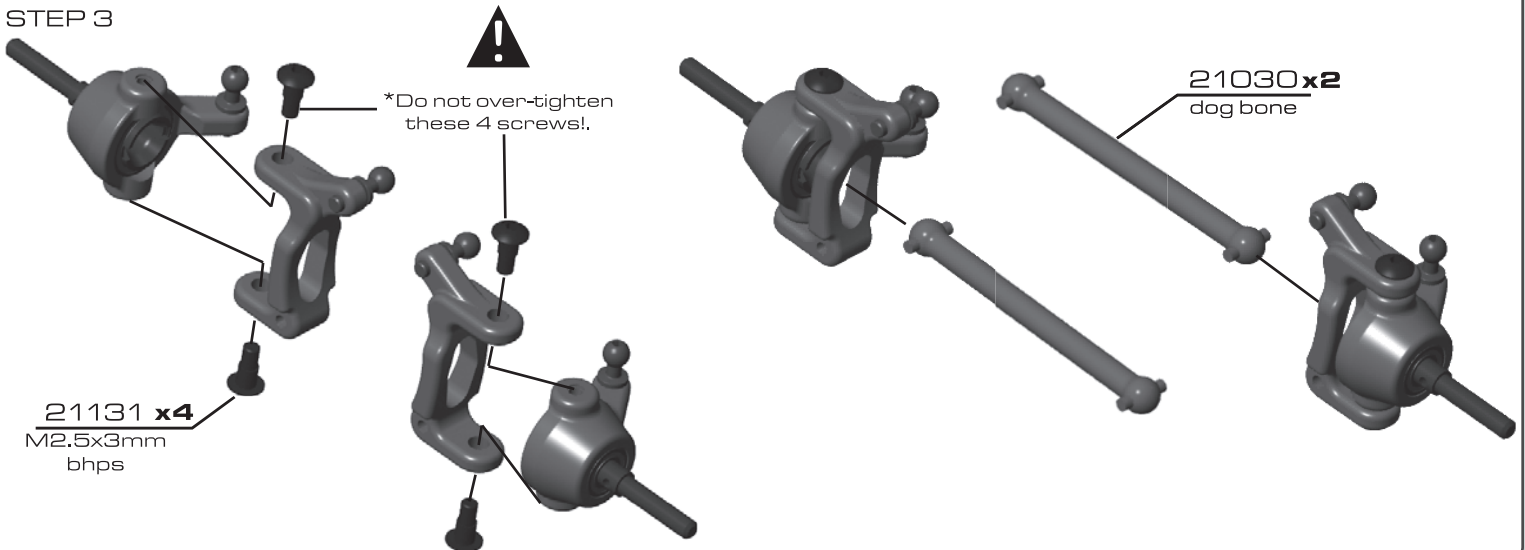
:: Caster Blocks Build (cont.)

STEP 2



:: Caster Blocks Build (cont.)

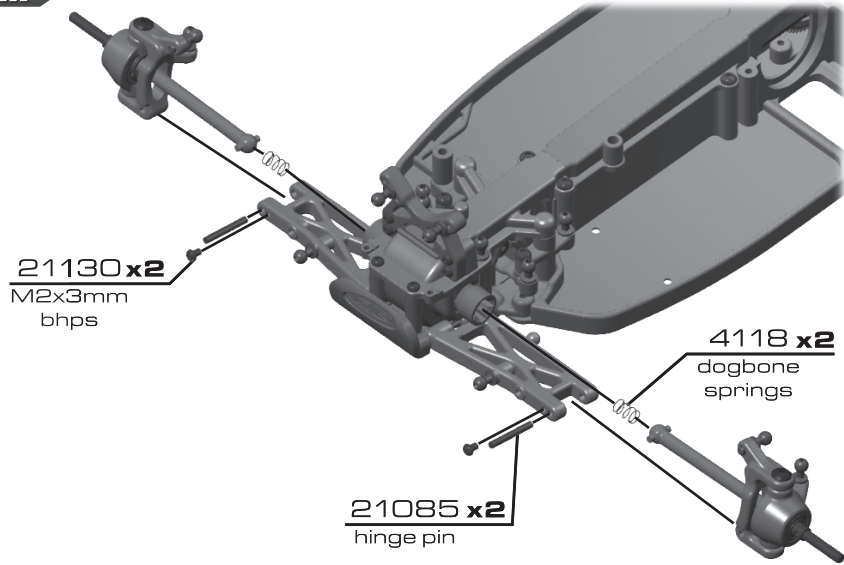
STEP 3



:: Caster Blocks Install

STEP 1

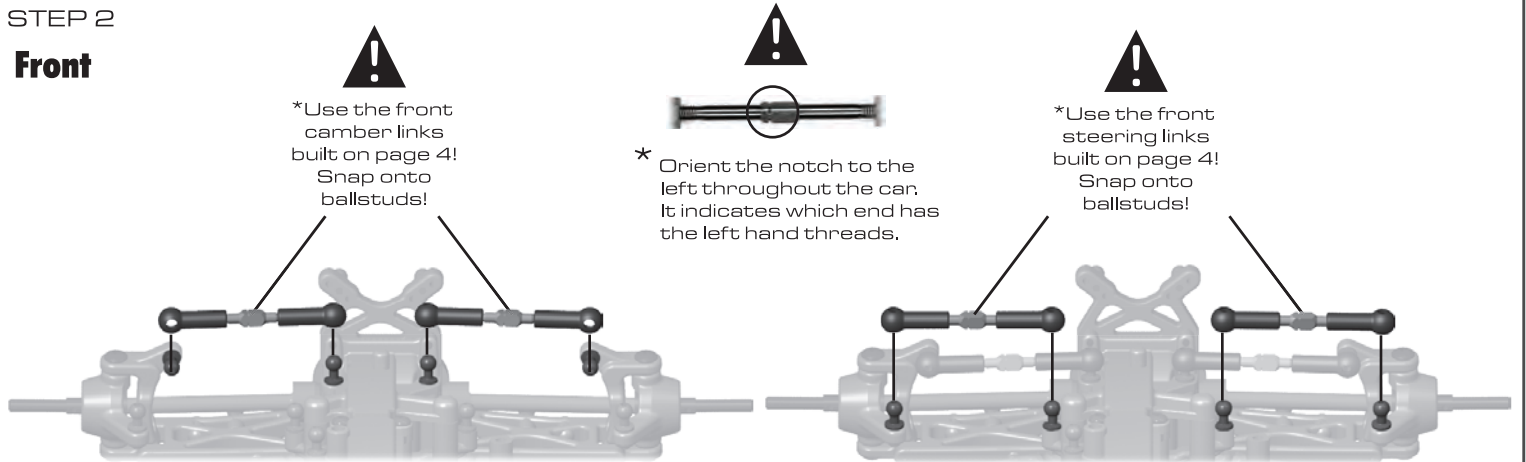
Front



:: Caster Blocks Install (cont.)

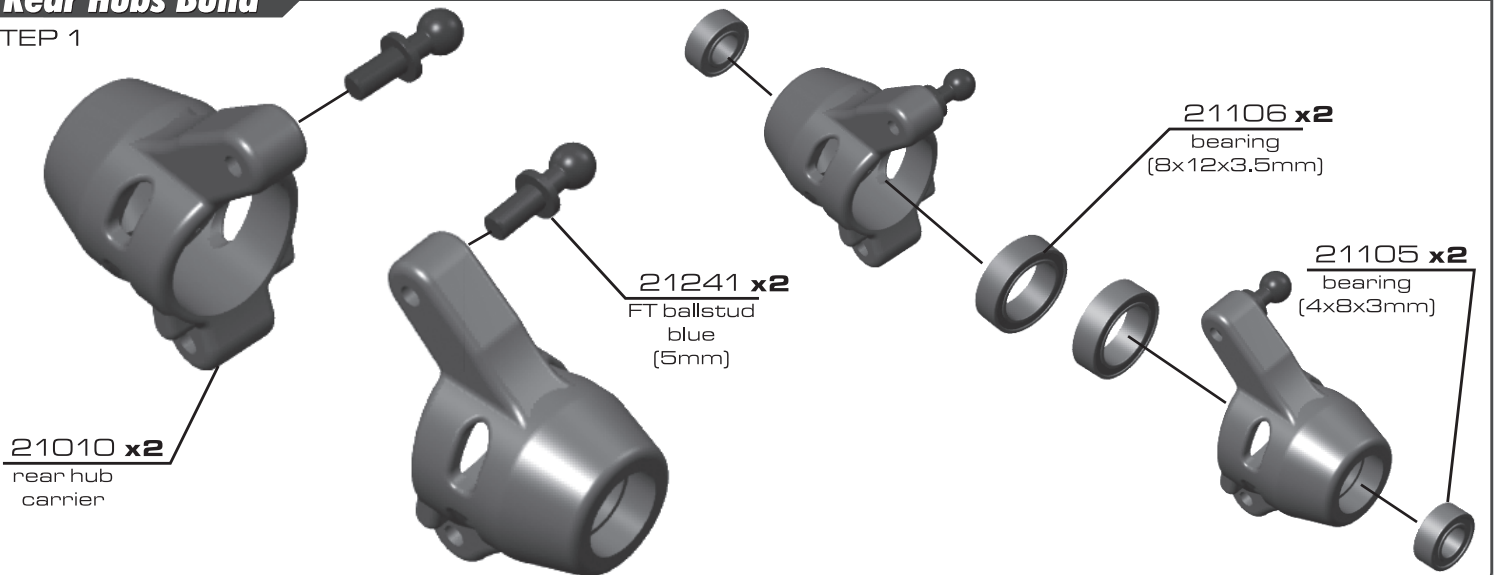
STEP 2

Front



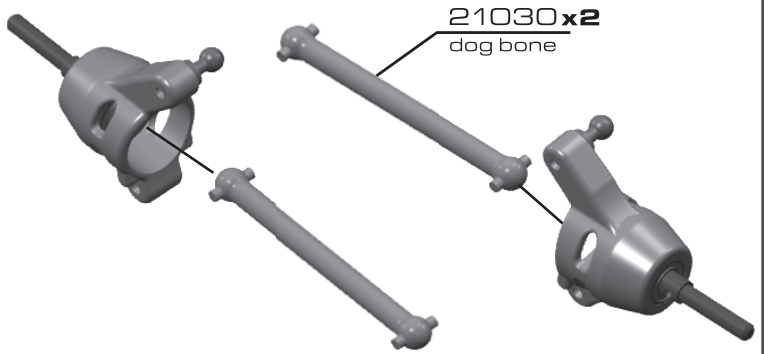
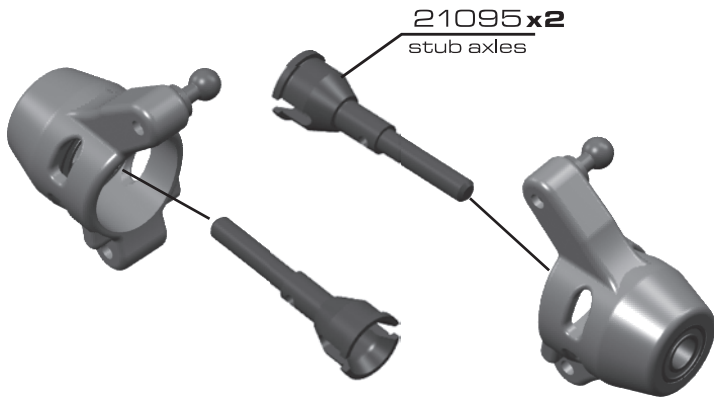
:: Rear Hubs Build

STEP 1



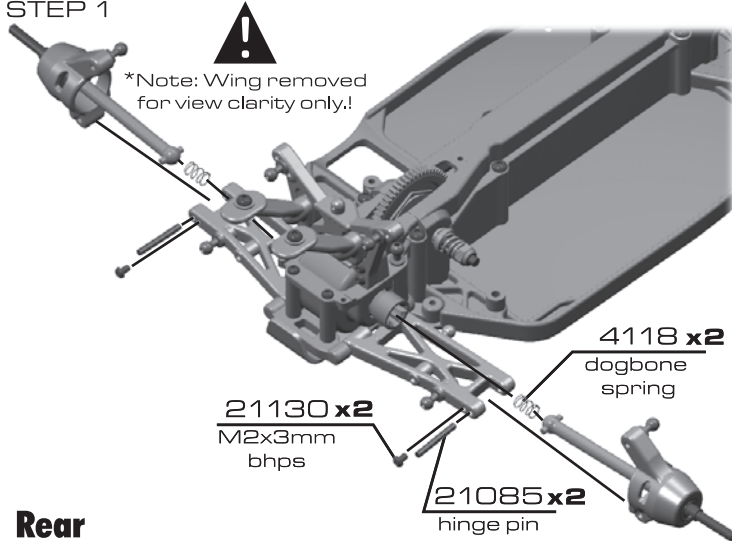
:: Rear Hubs Build (cont.)

STEP 2



:: Rear Hubs Install

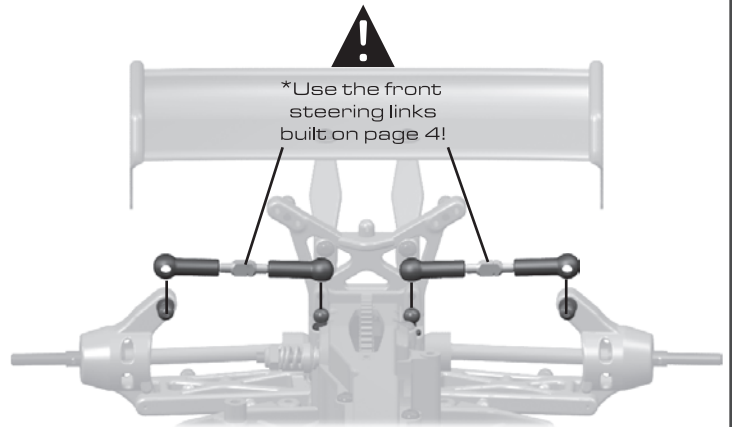
STEP 1



Rear

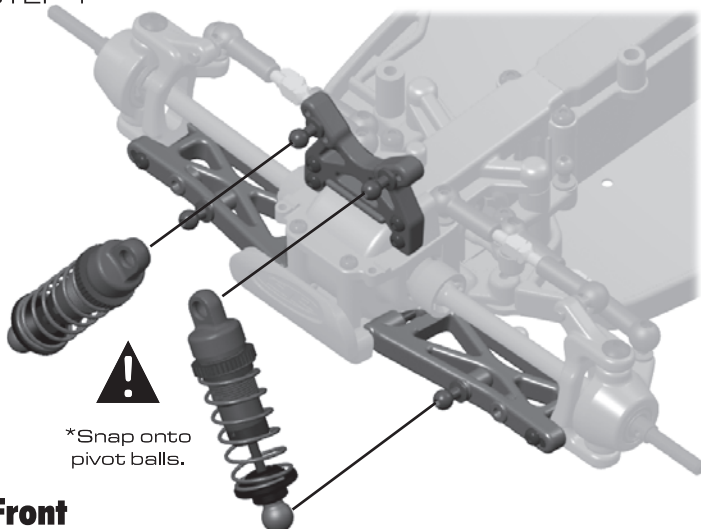


* Orient the notch to the left throughout the car. It indicates which end has the left hand threads.

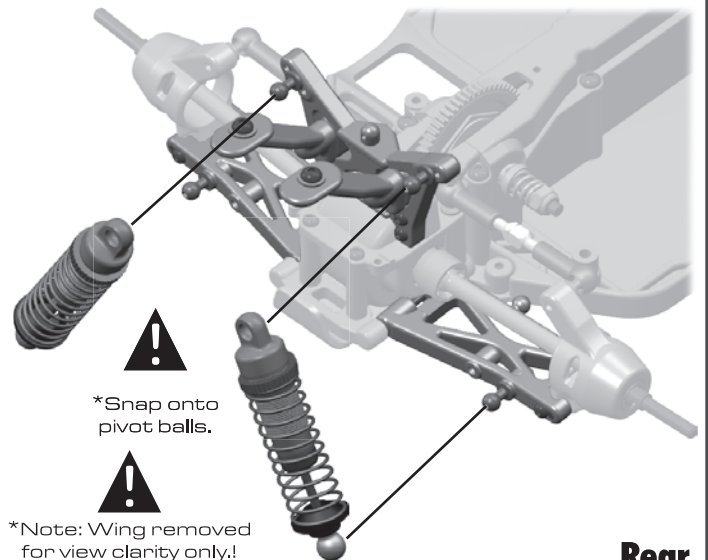


:: Shocks Install

STEP 1



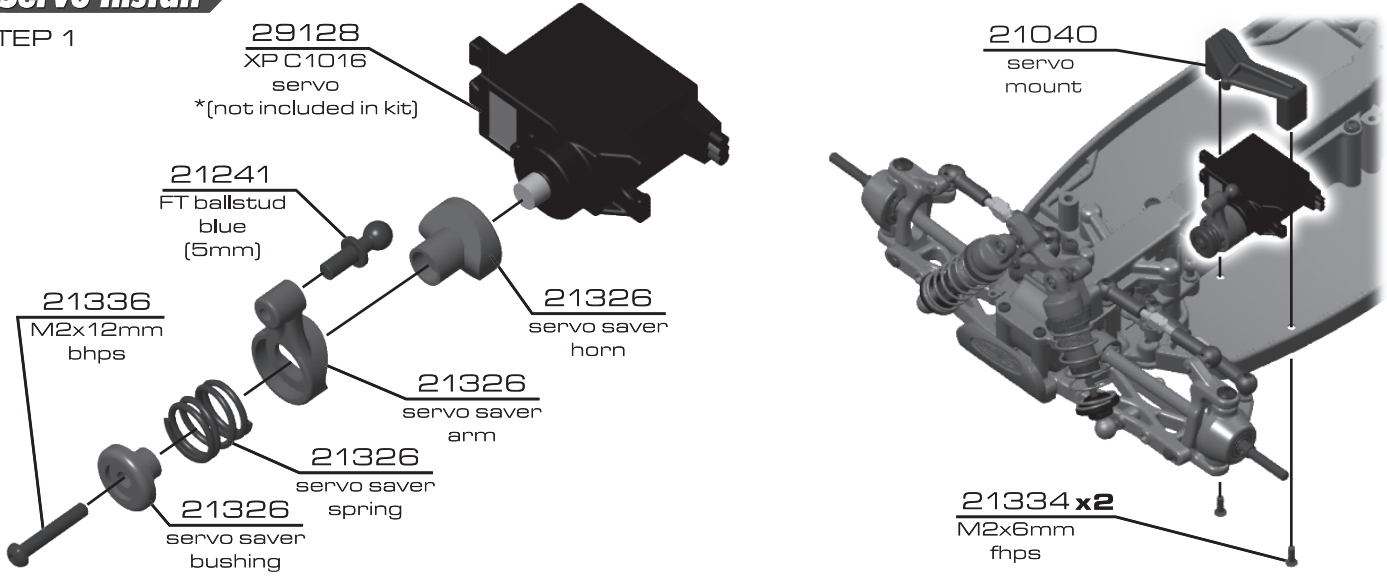
Front



Rear

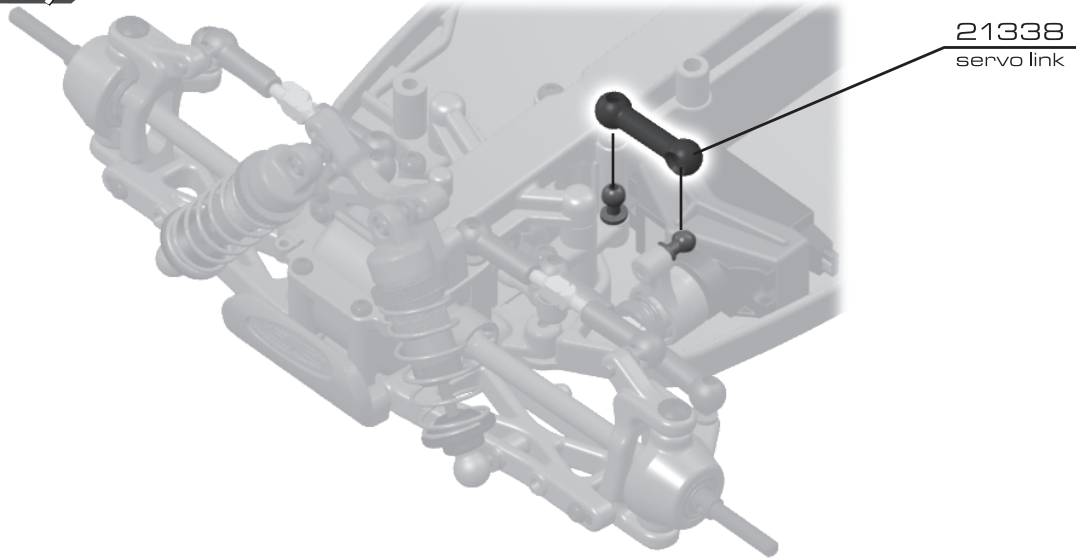
:: Servo Install

STEP 1



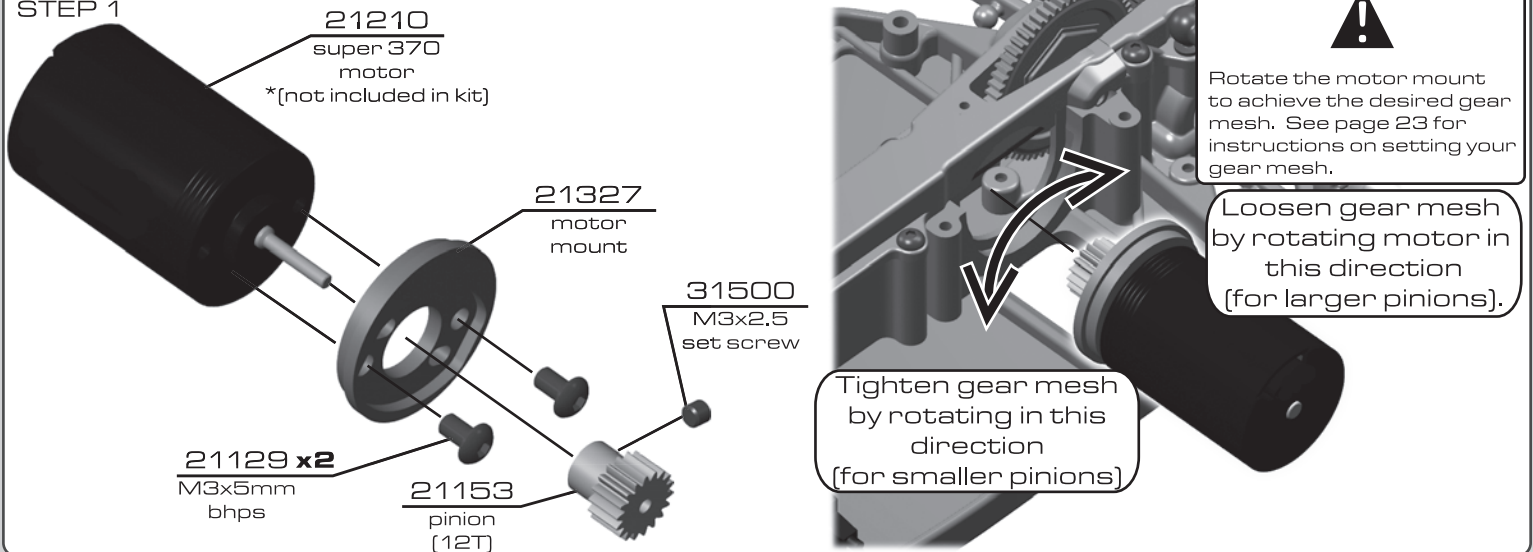
:: Servo Install (cont.)

STEP 2



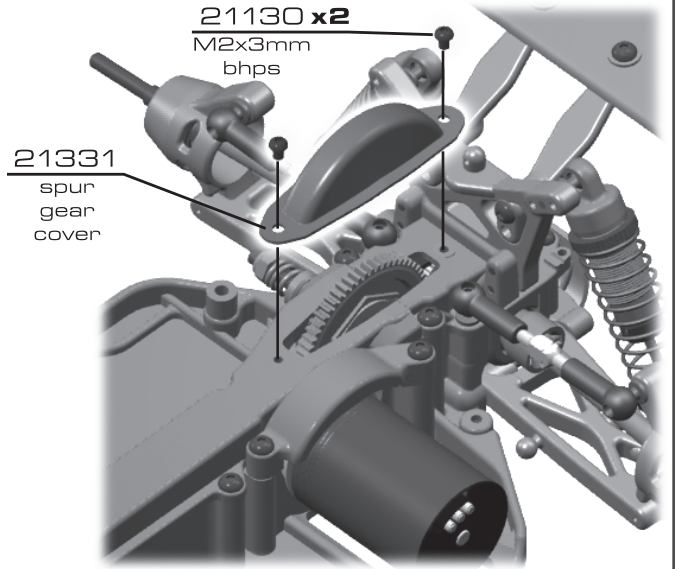
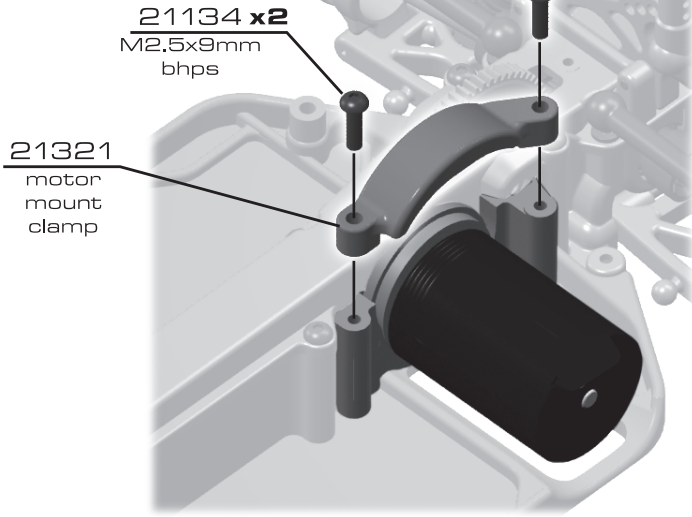
:: Motor Install

STEP 1



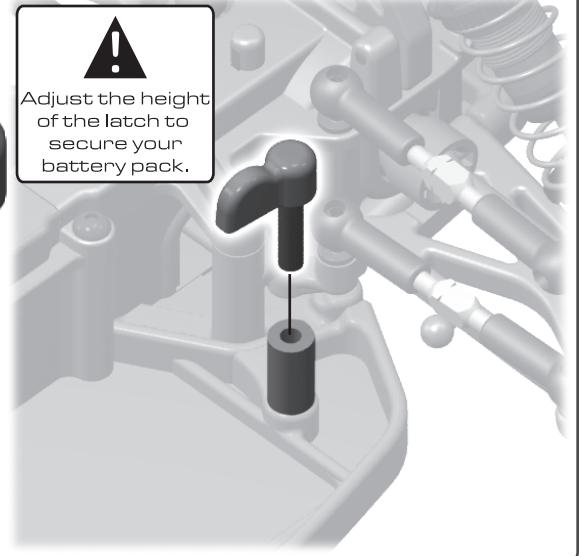
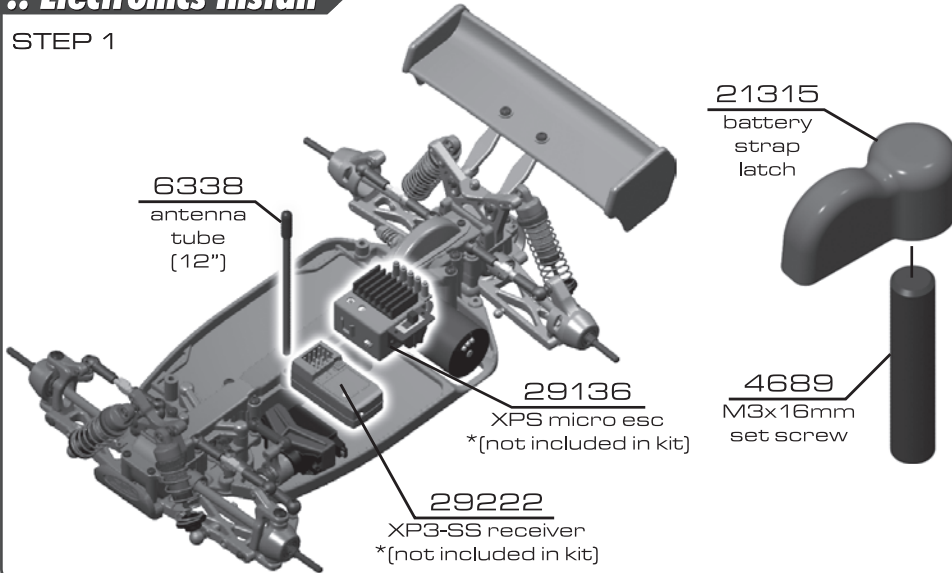
:: Motor Install (cont.)

STEP 2



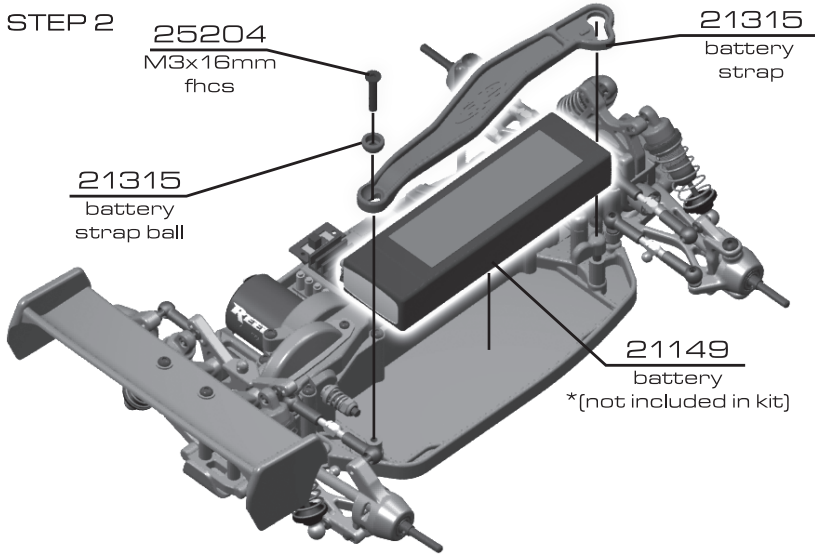
:: Electronics Install

STEP 1



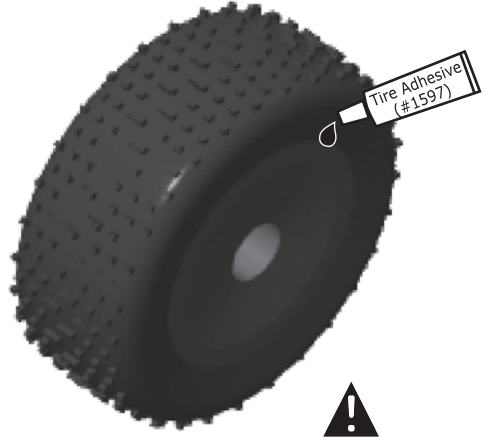
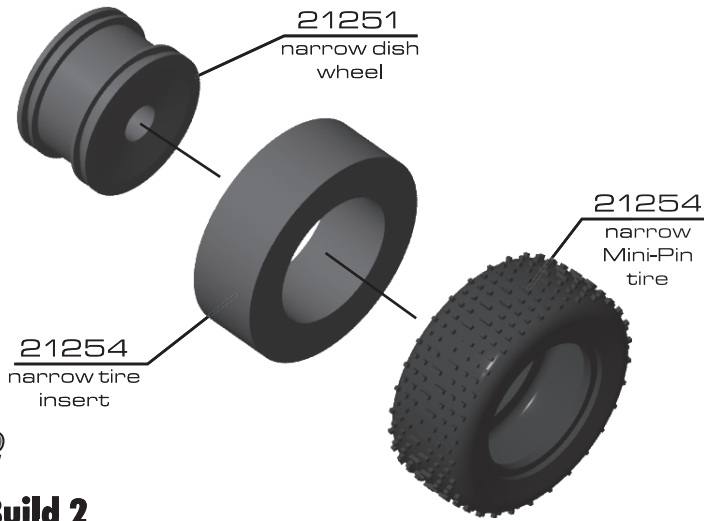
:: Electronics Install (cont.)

STEP 2



:: RC18B2 Tires and Wheels

STEP 1



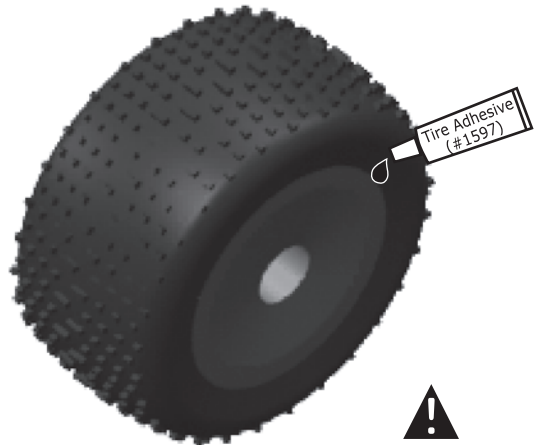
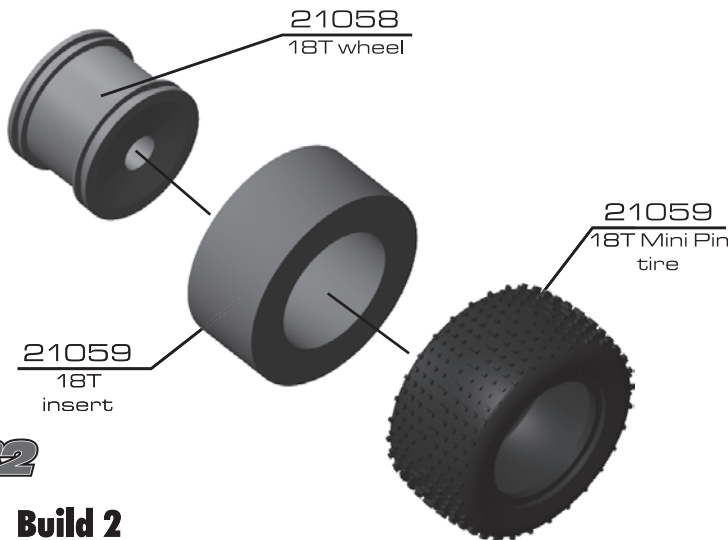
* Carefully apply tire adhesive to the tire bead on both sides. Glue one side at a time, allowing glue to dry completely before starting the other side.

RC18B2

Front Build 2

:: RC18B2 Tires and Wheels (cont.)

STEP 2



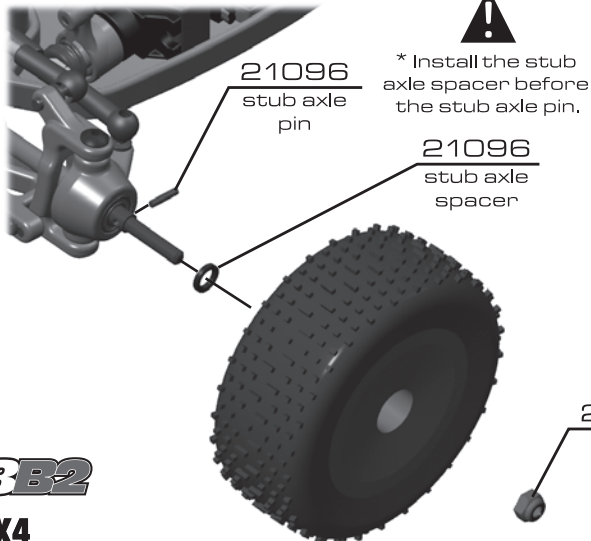
* Carefully apply tire adhesive to the tire bead on both sides. Glue one side at a time, allowing glue to dry completely before starting the other side.

RC18B2

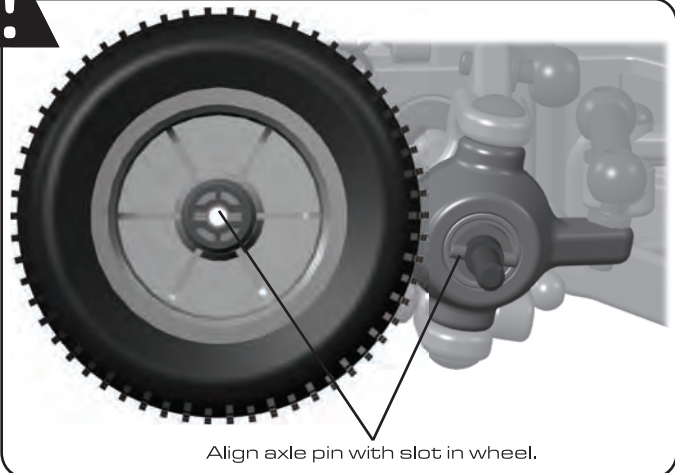
Rear Build 2

:: RC18B2 Tire and Wheels (cont.)

STEP 3



25215 M3 locknut

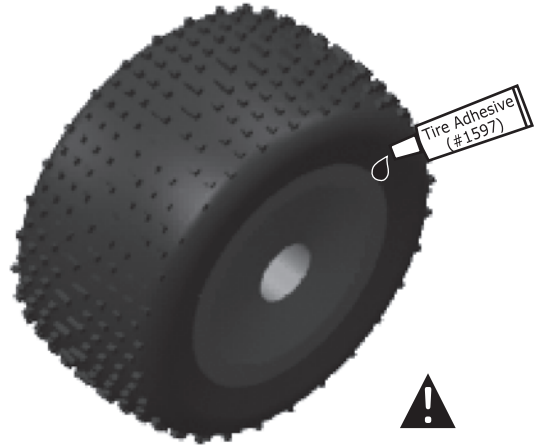
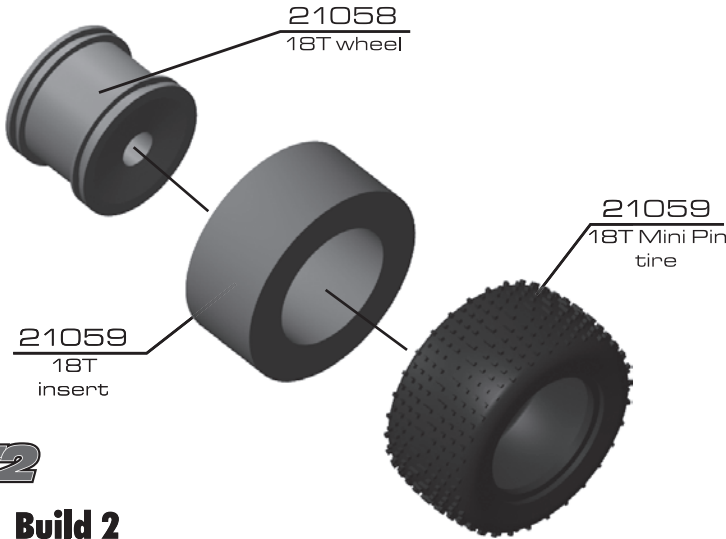


RC18B2

Install X4

:: RC18T2 Tires and Wheels

STEP 1



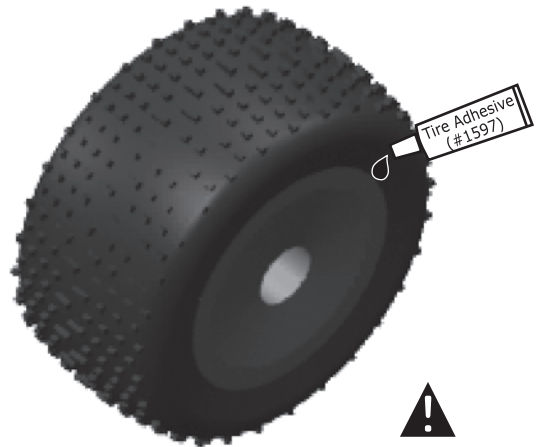
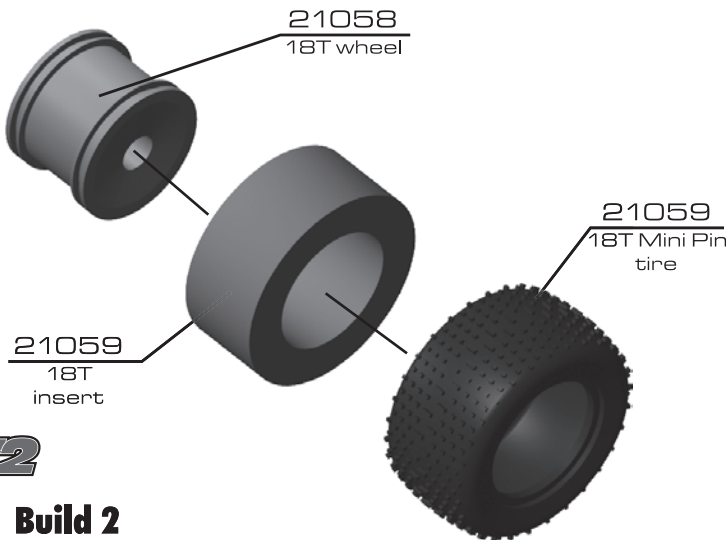
* Carefully apply tire adhesive to the tire bead on both sides. Glue one side at a time, allowing glue to dry completely before starting the other side.

RC18T2

Front Build 2

:: RC18T2 Tires and Wheels (cont.)

STEP 2



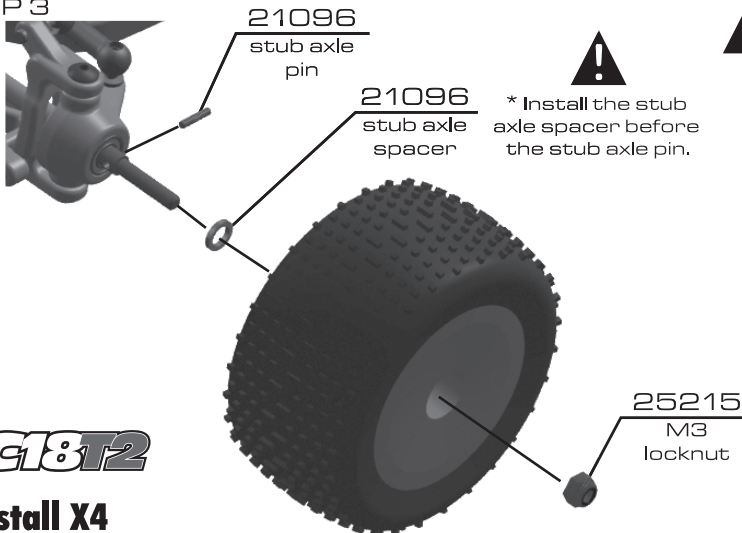
* Carefully apply tire adhesive to the tire bead on both sides. Glue one side at a time, allowing glue to dry completely before starting the other side.

RC18T2

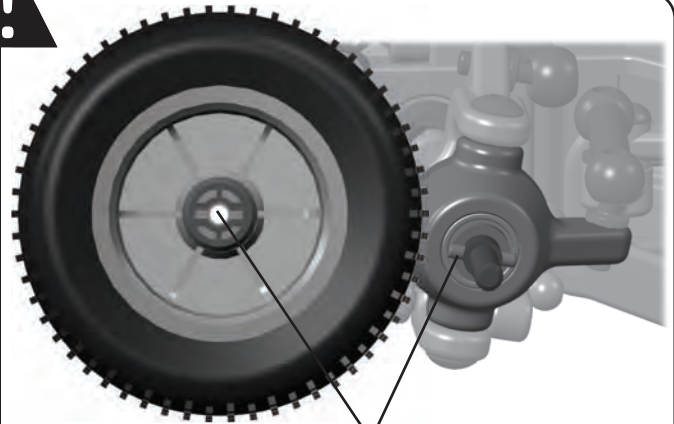
Rear Build 2

:: RC18T2 Tire and Wheels (cont.)

STEP 3



* Install the stub axle spacer before the stub axle pin.



Align axle pin with slot in wheel.

RC18T2

Install X4

:: Body Install (cont.)

STEP 1

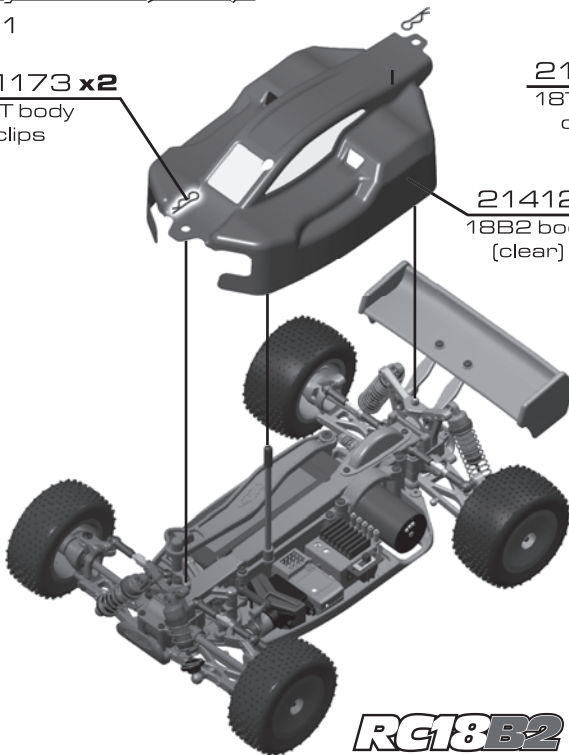
21173 x2
18T body clips

21173 x3
18T body clips

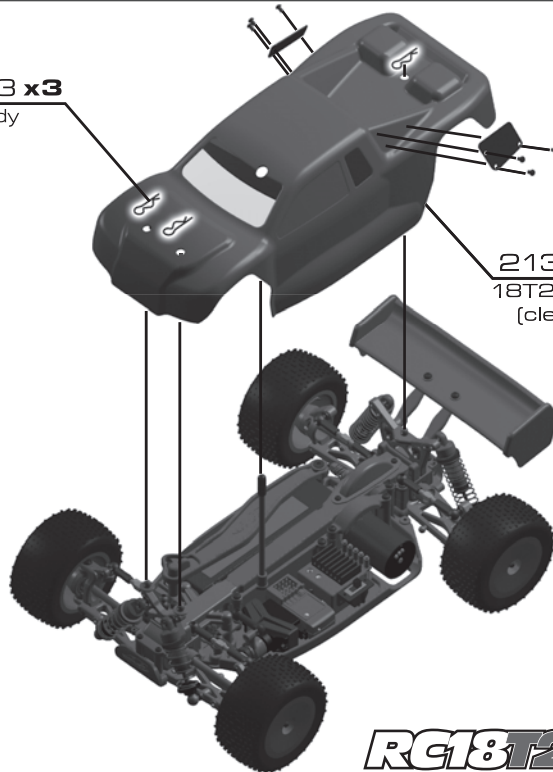
21412
18B2 body (clear)

21130 x6
M2x3mm bhps

21340
18T2 body (clear)



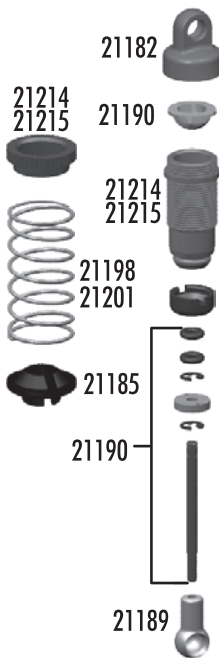
RC18B2



RC18T2

:: Shocks

21182 Shock Caps	4
21185 Spring Retainers	4
21189 Ballcaps, short	12
21190 Shock Rebuild Kit, rebuilds 4 shocks	Set
21197 Front Shock Spring, silver, 2.55 lb/in	Pr.
21198 Front Shock Spring, blue, 3.0 lb/in (Kit)	Pr.
21199 Front Shock Spring, gold, 3.45 lb/in	Pr.
21201 Rear Shock Spring, silver, 1.64 lb/in (Kit)	Pr.
21202 Rear Shock Spring, blue, 1.90 lb/in	Pr.
21203 Rear Shock Spring, gold, 2.35 lb/in	Pr.
21214 FT Front Threaded Shock Bodies w/collars	Pr.
21215 FT Front Threaded Shock Bodies w/collars	Pr.
21216 FT Front Threaded Shock Kit, w/collars	Pr.
21217 FT Rear Threaded Shock Kit, w/collars	Pr.
21268 18 Series Spring Kit, (6 springs)	Set



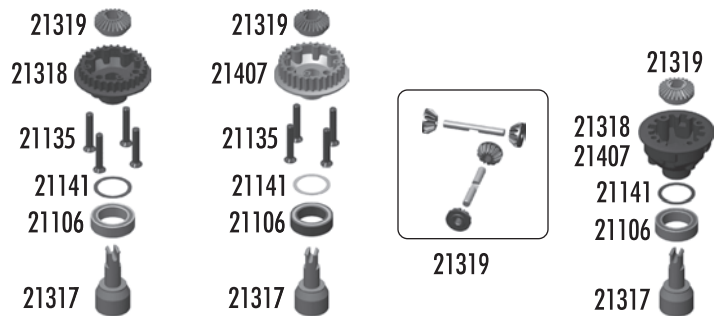
:: Shock Oil

5420 10 Weight Silicone Shock Oil	2oz.
5421 20 Weight Silicone Shock Oil	2oz.
5422 30 Weight Silicone Shock Oil	2oz.
5423 40 Weight Silicone Shock Oil	2oz.
5425 80 Weight Silicone Shock Oil	2oz.
5427 15 Weight Silicone Shock Oil	2oz.
5428 25 Weight Silicone Shock Oil	2oz.
5429 35 Weight Silicone Shock Oil	2oz.
5430 45 Weight Silicone Shock Oil	2oz.
5431 55 Weight Silicone Shock Oil	2oz.
5435 50 Weight Silicone Shock Oil	2oz.
5436 60 Weight Silicone Shock Oil	2oz.
5437 70 Weight Silicone Shock Oil	2oz.



:: Gear Differential

21106 Bearings, 8x12x3.5mm rubber sealed	Pr.
21135 M2x12mmFHPS	20
21141 Shim Set, .324x.409x.005	4
21317 Gear Diff Outdrives	2
21318 Gear Diff Case, Front (narrow)	Set
21319 Internal Diff Gears	Set
21335 Complete Gear Diff, Front	1
21406 Complete Gear Diff, Rear	1
21407 Gear Diff Case, Rear (wide)	Set



:: Lubes and Adhesives

1105 Green Slime Shock Lube	4cc
1596 FT Locking Compound	10ml
1597 FT Tire Adhesive	.70oz
6588 Black Grease	4cc
6591 S. Diff Lube	4cc
6636 Silicone Grease	4cc
6727 Servo Tape Strips	2

