

[HOONIGAN]

SR7

HOONICORN

1:7 SCALE 4WD ELECTRIC READY-TO-RUN
#20540



**BRUSHLESS
POWERED**
READY-TO-RUN



TEAM ASSOCIATED

WeAreAE CHAMPIONS *by* DESIGN
TeamAssociated.com

⚡ 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.

⚡ SR7 Features

Team Associated is excited to partner once again with Hoonigan to bring you their world-famous Hoonicorn in 1:7 scale radio control form. Designed from the ground up by our in-house Area 51 Design Works engineers, the Team Associated SR7 chassis is our largest and most powerful RC car ever! This makes it the perfect platform for the Hoonicorn and tire-slaging action!

SR7 Features:

- FlySky 2.4GHz radio system
- Reedy high-torque 1523MG metal gear servo
- Enclosed receiver box
- 17mm wheel hexes
- Adjustable front and rear body mounts
- 2-piece adjustable motor mount to accommodate taller gearing
- Dual battery trays with adjustable length and hook and loop strapping
- Heavy-Duty CVA joints front and rear
- Integrated chassis bracing for strength and rigidity
- Upper suspension arms with adjustable camber and roll-center
- Aluminum wheel hexes and nuts
- Integrated servo saver
- Anti-roll bars front and rear
- Belted slick tires
- Set up for balanced handling performance out of the box
- Adjustable wheelbase
- Powdered metal servo horn
- Metal ball bearings included

⚡ Additional

Your new SR7 RTR comes assembled. It will require the following items for completion (refer to AssociatedElectrics.com for suggestions):

- Four AA batteries for radio-controlled car radio (transmitter)
- Two hard-case 2S or 3S RC car LiPo batteries, 35C minimum, with T-type connectors (Reedy 2S #753 or Reedy 3S #755)
- Radio control battery charger suitable for chosen batteries, 2-channel recommended (Reedy #27203)

⚡ Other Helpful Items

- Silicone Shock Fluid (Refer to AssociatedElectrics.com for complete listings)
- FT Body Scissors (#1737)
- FT Hex/Nut Wrenches (#1519)
- FT 1/8 Wheel Nut Wrench (#1571)
- FT Dual Turnbuckle Wrench (#1114)
- FT Body Reamer (#1499)
- Calipers or a Precision Ruler
- FT Universal Tire Balancer (#1498)
- Green Slime shock lube (#1105)
- Multi Tool / Shock Pliers (#1681)
- Soldering Iron
- Wire Cutters
- Needle Nose Pliers
- Hobby Knife

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

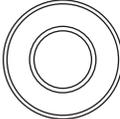
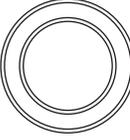
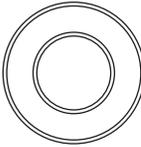
Button Head (bhcs)

	3x4mm (91158)
	3x5mm (31530)
	3x8mm (31532)
	3x10mm (25211)
	3x12mm (89202)
	3x14mm (25187)
	3x16mm (89203)
	3x18mm (2308)
	3x20mm (25188)
	3x24mm (89204)
	3x30mm (89212)
	4x10mm (89206)
	4x12mm (89207)
	4x16mm (81261)
	4x20mm (81266)

Flat Head (fhcs)

	3x8mm (25201)
	3x10mm (25202)
	3x12mm (25203)
	3x14mm (89208)
	3x18mm (89209)
	3x25mm (89243)
	4x10mm (81262)
	4x12mm (89214)
	4x16mm (81263)
	4x20mm (81264)

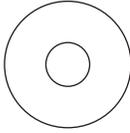
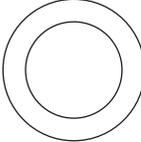
Ball Bearings

	5x8x2.5mm (8680)
	8x16x5mm (91564)
	12x18x4 (25843)
	10x19x5mm (25940)

Set Screws

	3x3mm (25225)
	3x20mm (91737)
	4x3mm (25223)
	4x4mm (7732)
	4x20mm (89245)

Shims and Washers

	3.5x10x0.3mm Planet Gear Shim (25926)
	6x17x0.3mm Sun Gear Shim (25926)
	13x19x0.3mm Outer Diff Shim (25926)

LP Socket Head (lp shcs)

	3x10mm (41090)
--	----------------

Socket Head (shcs)

	2.5x8mm (89222)
	2.5x12mm (8691)
	3x14mm (25190)
	3x16mm (89224)

Nuts (lock/plain)

	M3 Alum. Locknut, Blue (31550)
	M3 Locknut, Black (25215)
	M3 Locknut w/Flange (25612)
	FT 3mm Locknuts, Blue (25392)
	M4 Locknuts: M4 Locknut, Black (89216)

Notes:

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Notes



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



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



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.

⚡ Safety Tips

Your SR7 can hit some incredible speeds and has the potential to be very dangerous if not handled and cared for properly. Here are some general safety tips to keep in mind while operating your RC vehicle.

- **ALWAYS** use hard-case batteries for maximum damage protection.
- **ALWAYS** refer to the instructions included with your battery and charger when determining the proper charge, discharge, and storage parameters.
- **NEVER** leave a battery unsupervised while charging. If any malfunction is observed, immediately terminate the charging process.
- **ALWAYS** observe warnings and cautions included with your battery.
- **NEVER** charge a battery that is swollen, appears damaged in any way, consists of different types of cells (including different manufacturers), non-rechargeable batteries, batteries with an integral charger circuit or protection circuit, batteries installed in a vehicle/device or electrically linked to other components, or batteries that are not expressly stated by the manufacturer to be compatible with the charge current that this charger delivers during the charging process.
- **ALWAYS** place the battery and charger on a heat-resistant, non-flammable, and non-conductive surface away from flammable or volatile materials.
- **ALWAYS** place the battery in a fireproof container during the charging process.

Use your RC car in a safe area: Choose an open area free from obstacles and people. Make sure the area is suitable for the type of car you are using. Do not use your RC car near water: Avoid using your RC car near water or in wet conditions to avoid damage to your car and protect from electric shock. Be aware of your surroundings: Keep an eye out for any obstacles or people in the area, and be aware of your surroundings at all times. Always wear appropriate safety gear, especially eye protection and close toed footwear when preparing your RC car for running. Keep your RC car in good condition: Regularly maintain and inspect your RC car to ensure that it is in good working condition. Check for loose parts, damaged components, or any other issues that could create dangerous conditions. Remember the order of electronics: Always turn on the transmitter first and then the vehicle. And when finished, turn off the vehicle first and then the transmitter. This way, as long as you have the transmitter on, you'll always have control.

⚡ Quick Start Guide

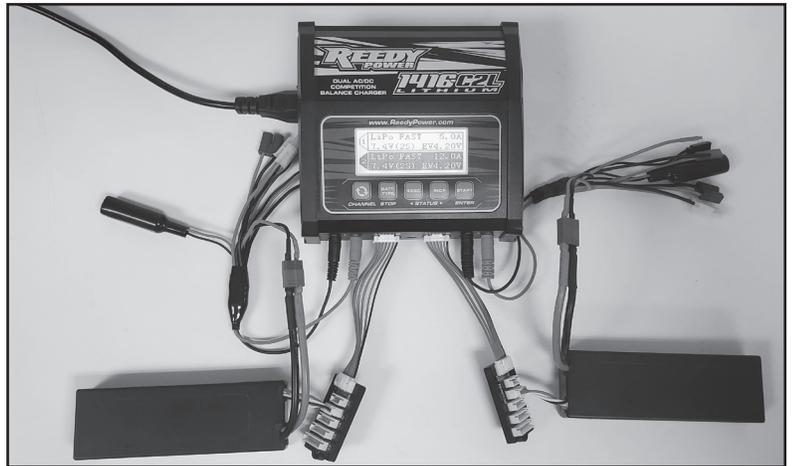
Battery Charging Steps and Safety:

Remove the battery from the vehicle before charging.
Place battery on a fire resistant surface.
Avoid any contact with water or other liquids.
Be sure to select the correct charging mode for the type of battery you are charging.

ALWAYS use a compatible charger for charging your batteries.

Caution: Never leave the battery unattended while charging. Always disconnect the charger from the power source when finished charging.

Caution: Always disconnect the battery when you are finished driving the vehicle.



Batteries and Peak Detection Quick Charger NOT INCLUDED!

⚡ Quick Start Guide - (cont.)

Battery Installation:

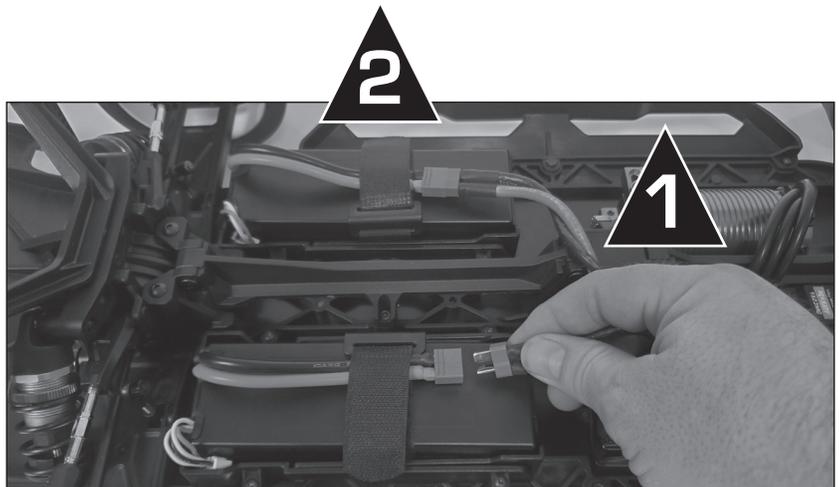
1. Install the battery with the battery wires directed towards the rear of the vehicle.
2. Secure the battery strap using two hook and loop straps.

Battery Notes and Tip:

Connect the battery as shown.
Disconnect the battery when not in use!

LiPo: LiPo batteries (lithium polymer) are high current rechargeable batteries. LiPo batteries offer extended run time and peak performance over NiMH batteries. They require a peak detection charger designed specifically for LiPo batteries.

These batteries require special care and handling.
LiPo batteries are recommended for advanced users only!
ALWAYS charge a LiPo battery in LiPo mode.
"More information: <http://bit.ly/lipowarnings>"



Quick Start Guide - (cont.)

Radio System Tuning and Controls:

RULE: Transmitter on First / Vehicle on Second,
Vehicle off First / Transmitter off Last!

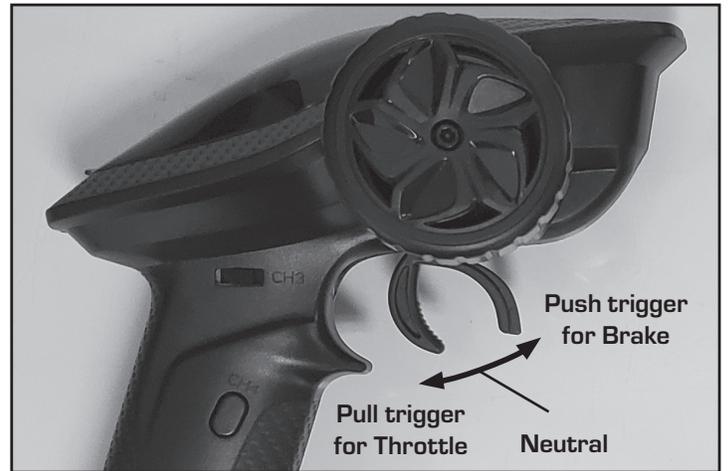
- 1) Slide the battery cover to remove cover.
- 2) Install alkaline or rechargeable AA size batteries into the battery holder.
- 3) Slide the battery cover back into place, making sure it is completely closed and secure.
- 4) Turn the power ON. If the power indicator LED fails to light, check the batteries for insufficient contact or incorrect polarity.



Radio System Tuning and Controls:

DO NOT hold the trigger when turning on the radio.

Refer to Radio owners manual for more in-depth instructions on radio operation and functions.

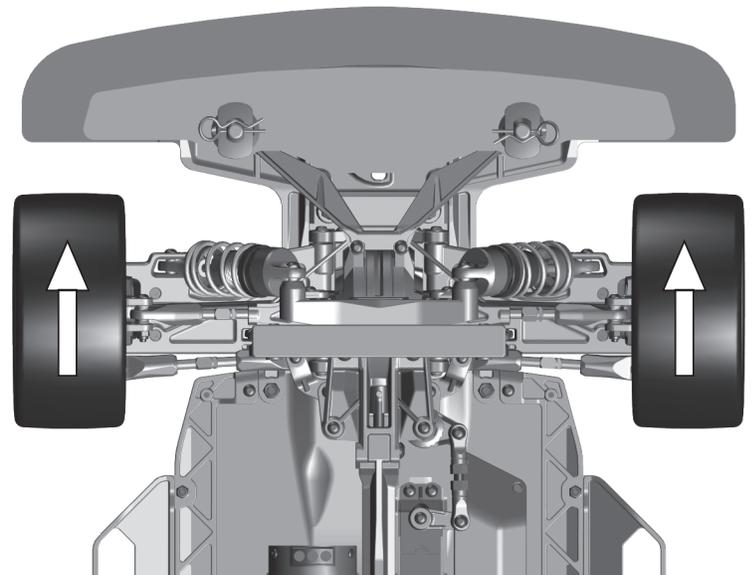


Throttle set to Neutral!



Adjust steering trim so front wheels point straight.

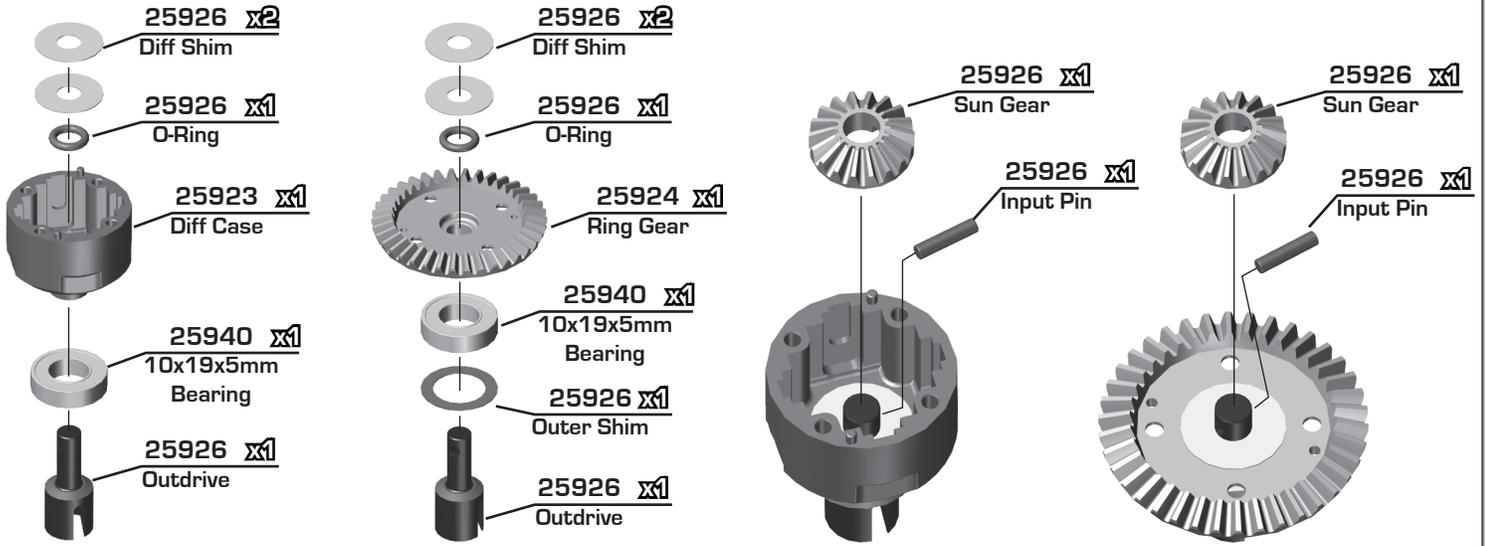
On/Off Switch



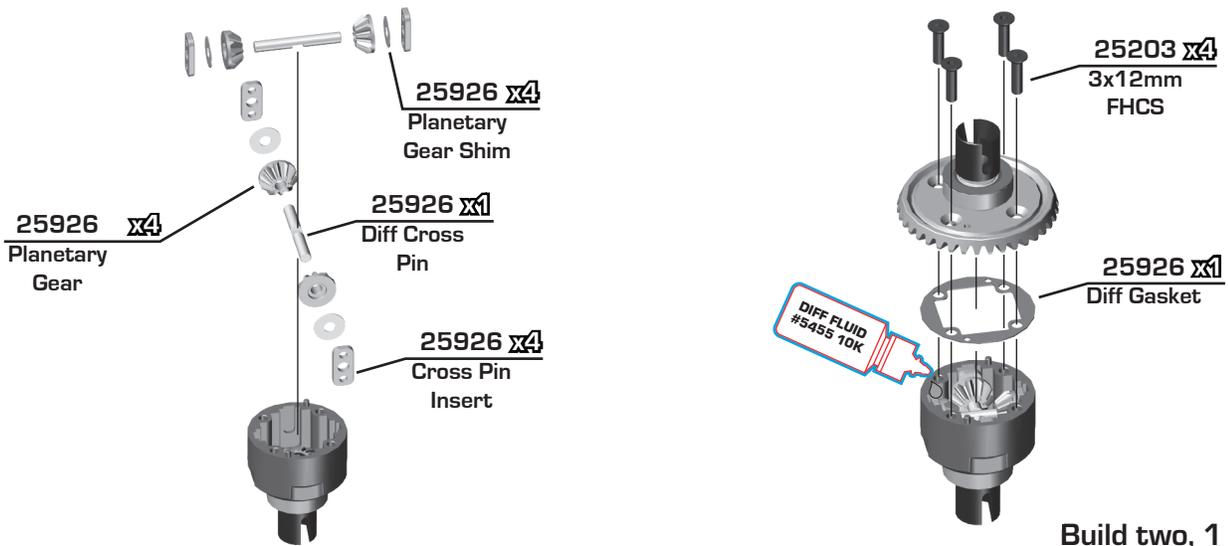
Install body and body clips.

Ready to go!

:: Differentials (Front / Rear) - Step 1

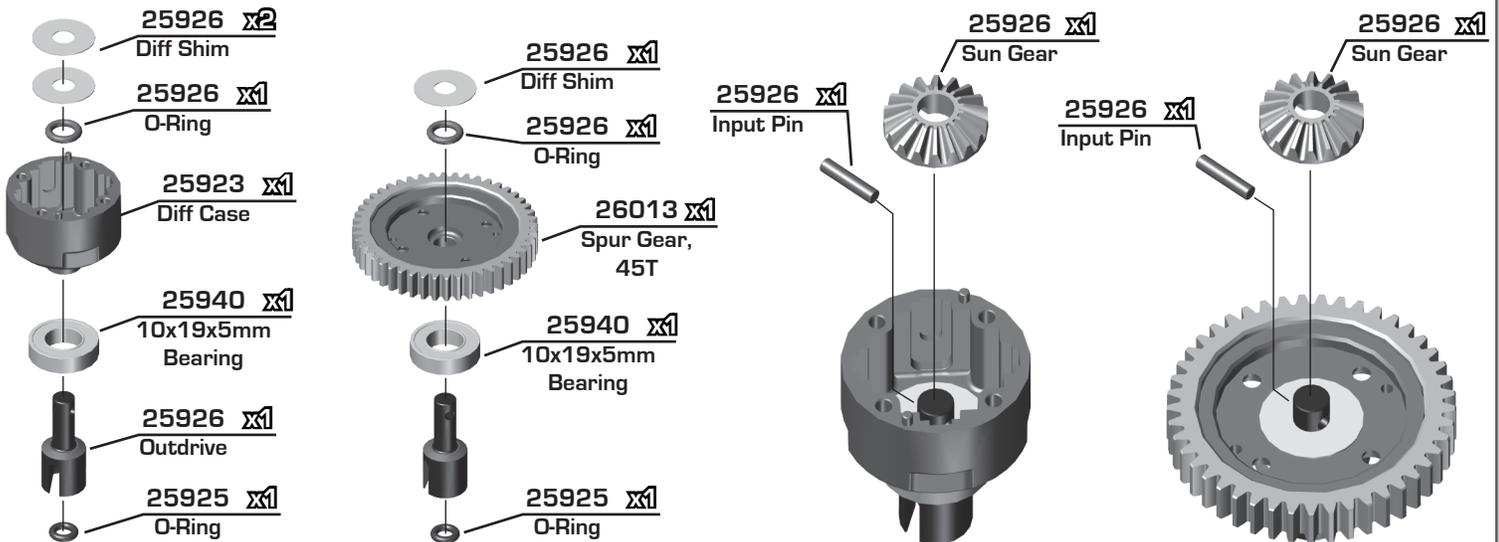


:: Differentials (Front / Rear) - Step 2

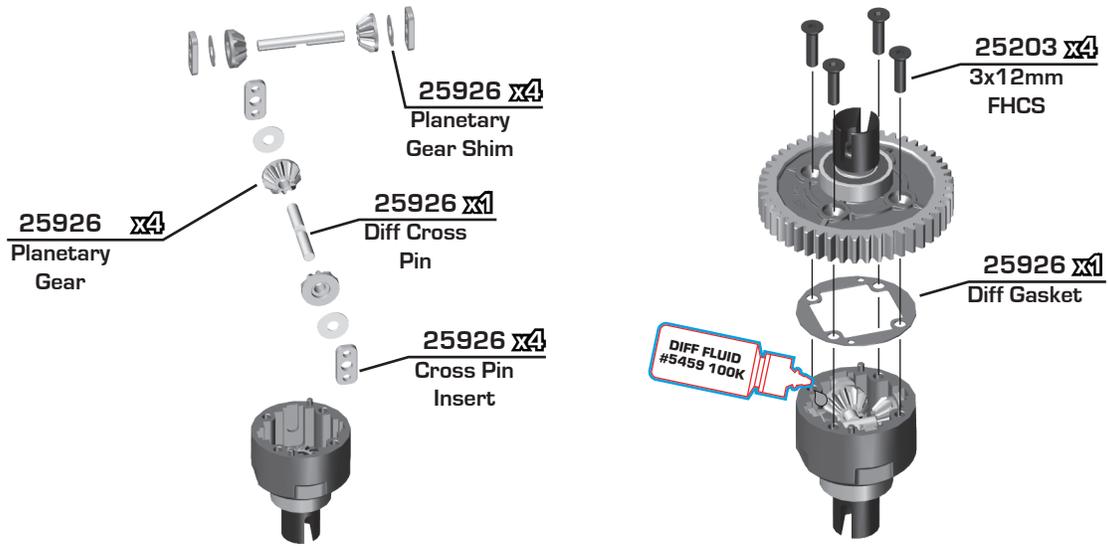


Build two, 1 front, 1 rear.

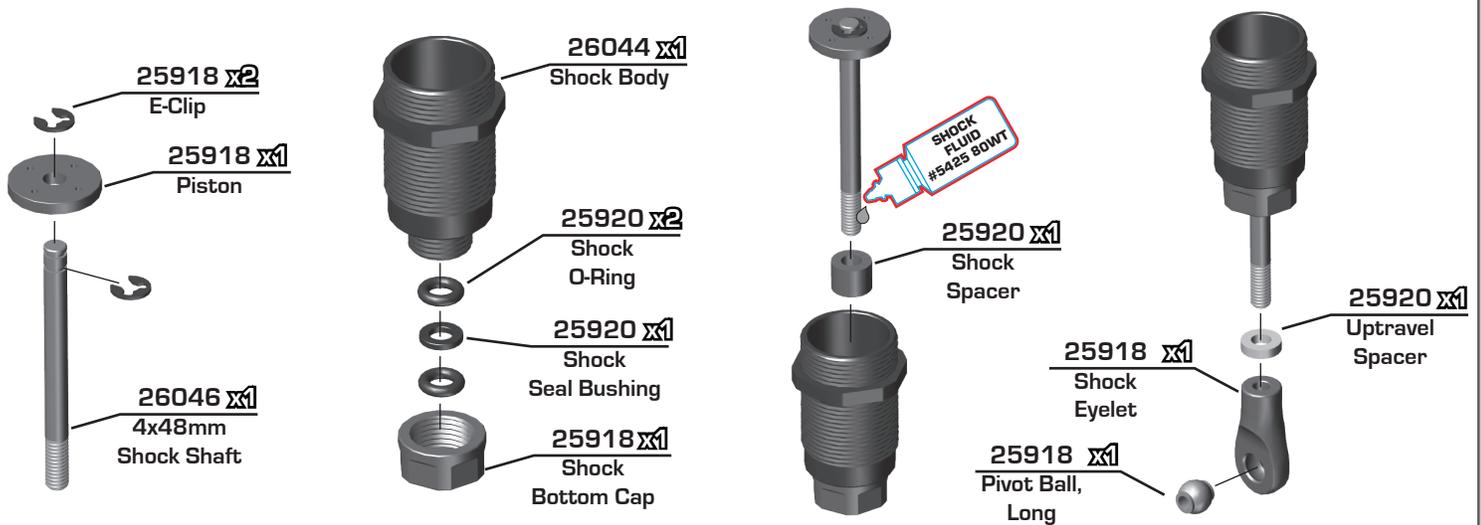
:: Differentials (Center) - Step 3



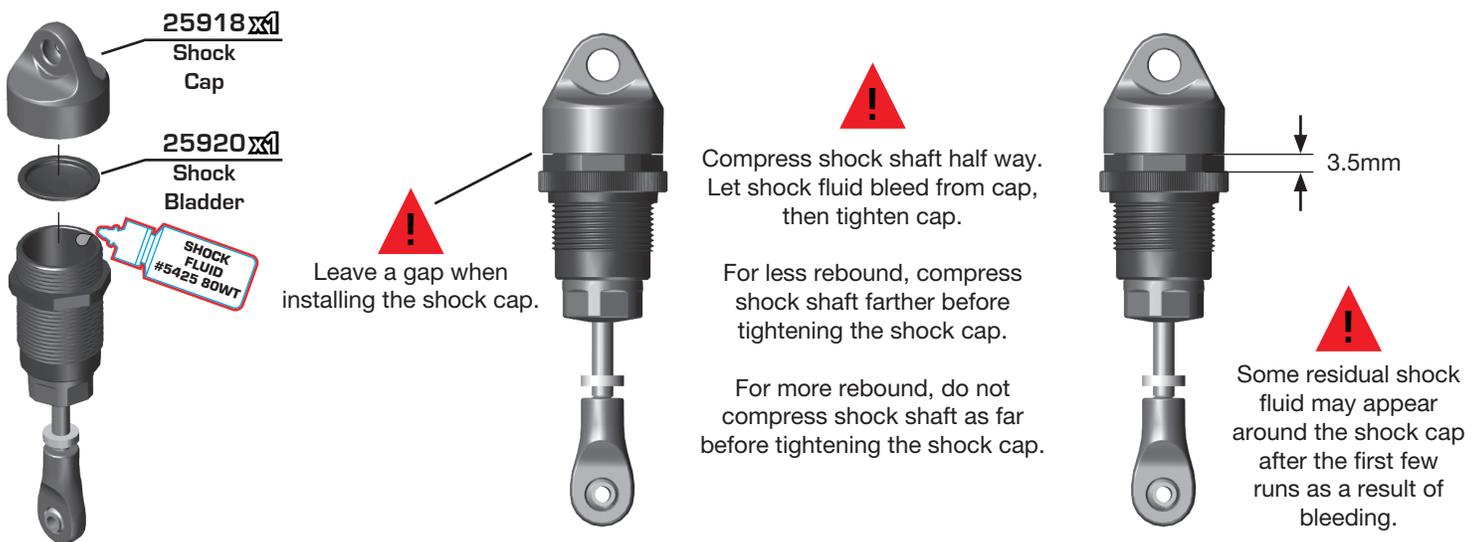
:: Differentials (Center) - Step 4



:: Shocks - Step 1



:: Shocks - Step 2



Shocks - Step 3

SHOCK FLUID #5425 80WT

25942 x1 Spring Collar O-Ring

25942 x1 Spring Collar

26050 x1 SR7 Shock Spring (Black, 39.8lb/in, 33L)

25918 x1 Spring Cup

Install the shock spring cup in between the shock eyelet and the up travel spacer.

Build four, 2 front, 2 rear.

Front End - Step 1

89216 x3 M4 Locknut, Black

26009 Diffuser

25215 x1 M3 Locknut, Black

26005 x1 Side Brace

26014 x1 Bumper Mount

26006 x1 Front Bumper

26049 x1 Chassis, SR7

31532 x1 3x8mm BHCS

25203 x1 3x12mm FHCS

81262 x3 4x10mm FHCS

81263 x2 4x16mm FHCS

89214 x4 4x12mm FHCS

Install left and right sides.

Front End - Step 2

25215 x3 M3 Locknut, Black

26007 x2 Spring Washer

26007 x1 Servo Saver Nut

26007 x1 Servo Saver Spring

26007 x1 Servo Saver Arm, Upper

26072 x1 FT Servo Saver Arm, Blue Alum.

26003 x1 Body Support, Side

25211 x3 3x10mm BHCS

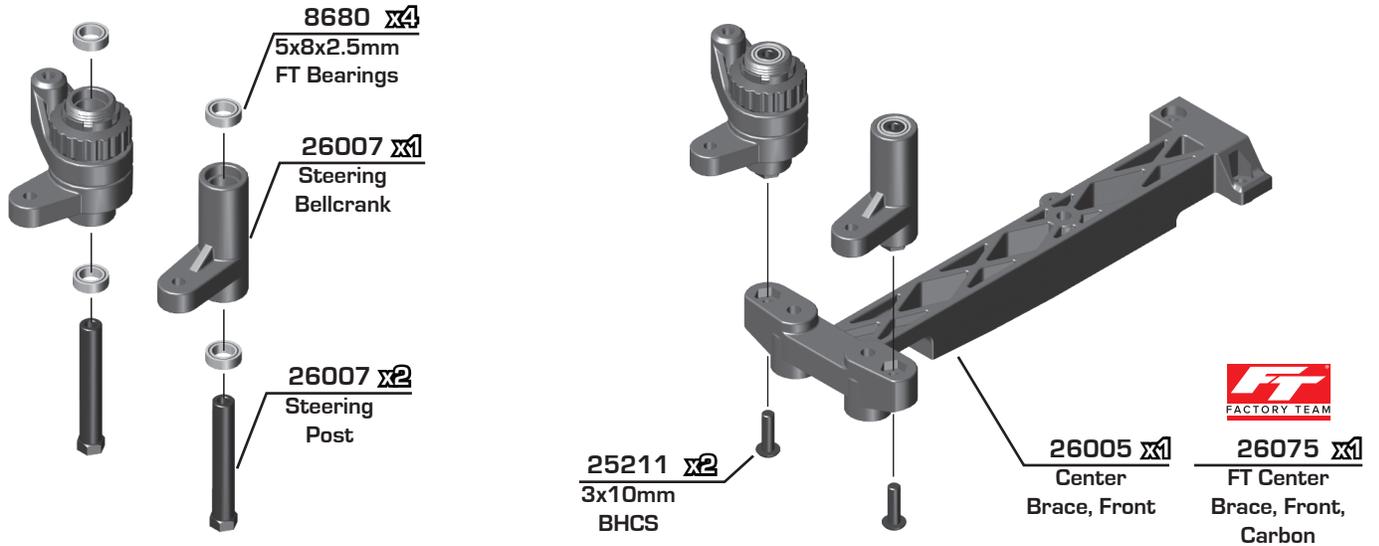
26007 x1 Servo Saver Arm, Lower

26007 x1 Servo Saver Tube

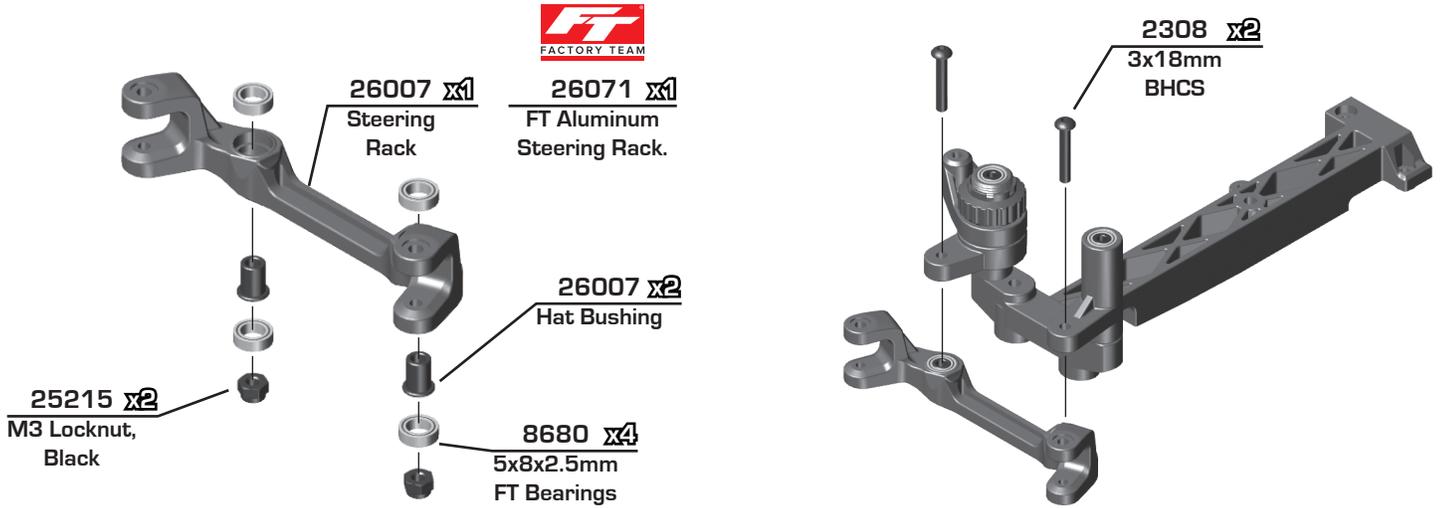
1.8mm

Install left and right sides.

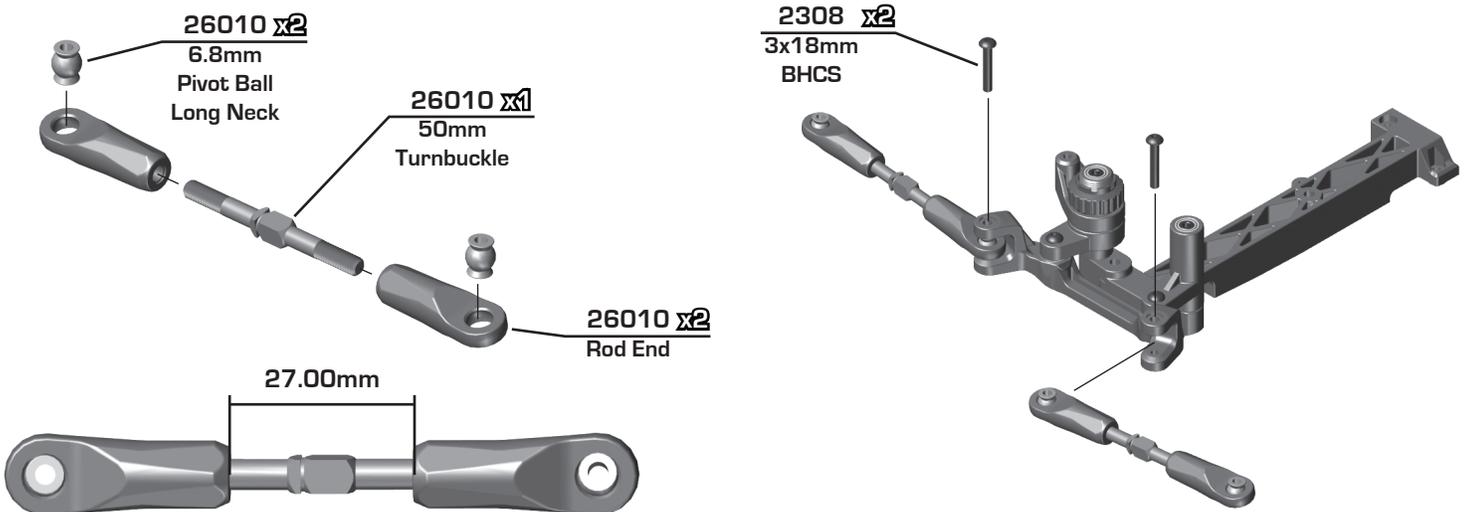
Front End - Step 3



Front End - Step 4



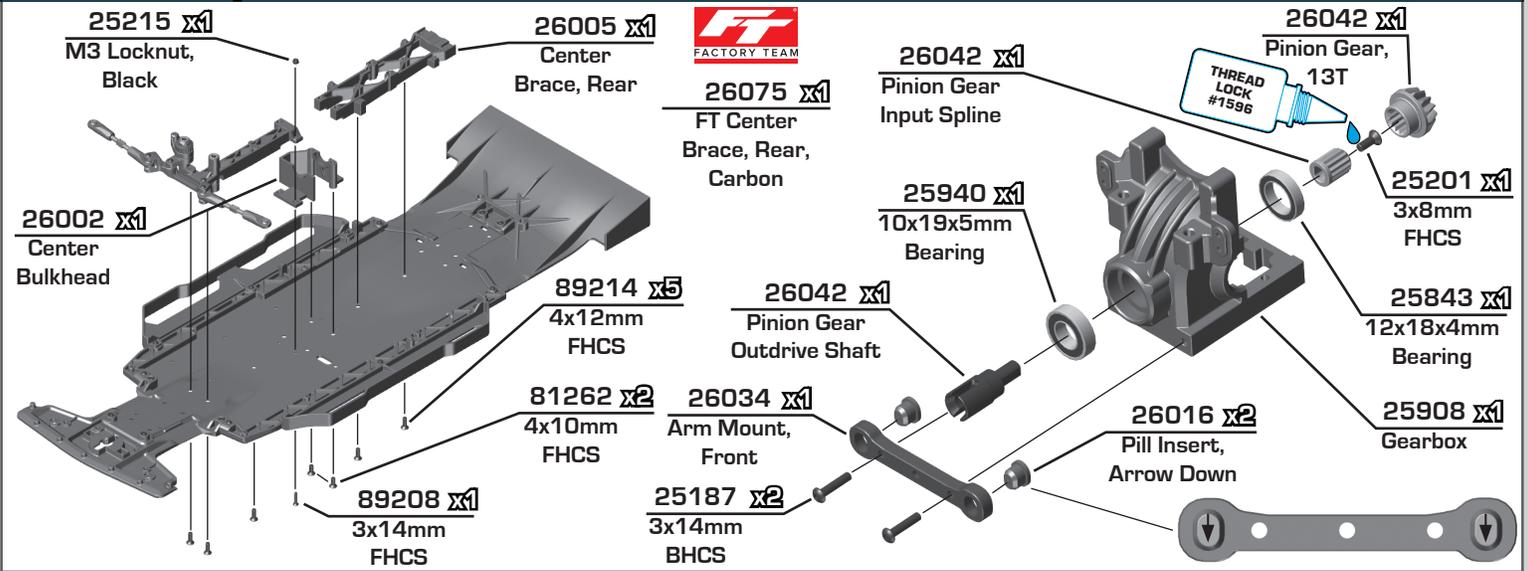
Front End - Step 5



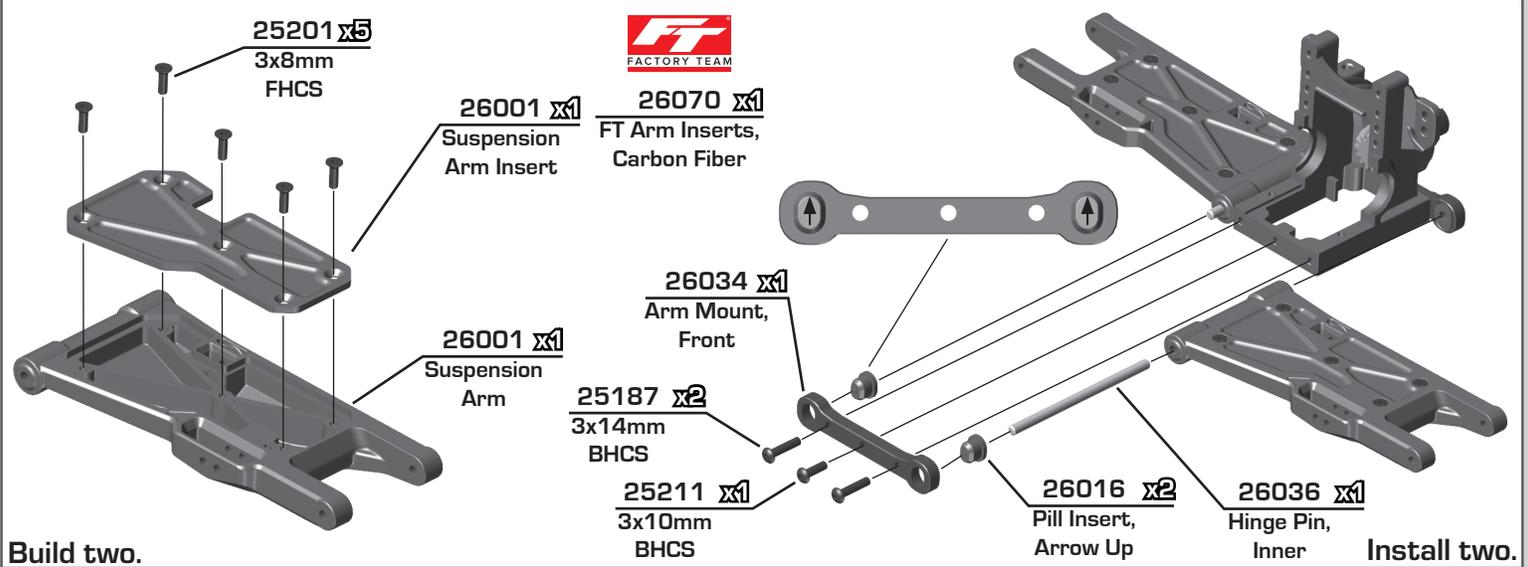
Build two.

Install two.

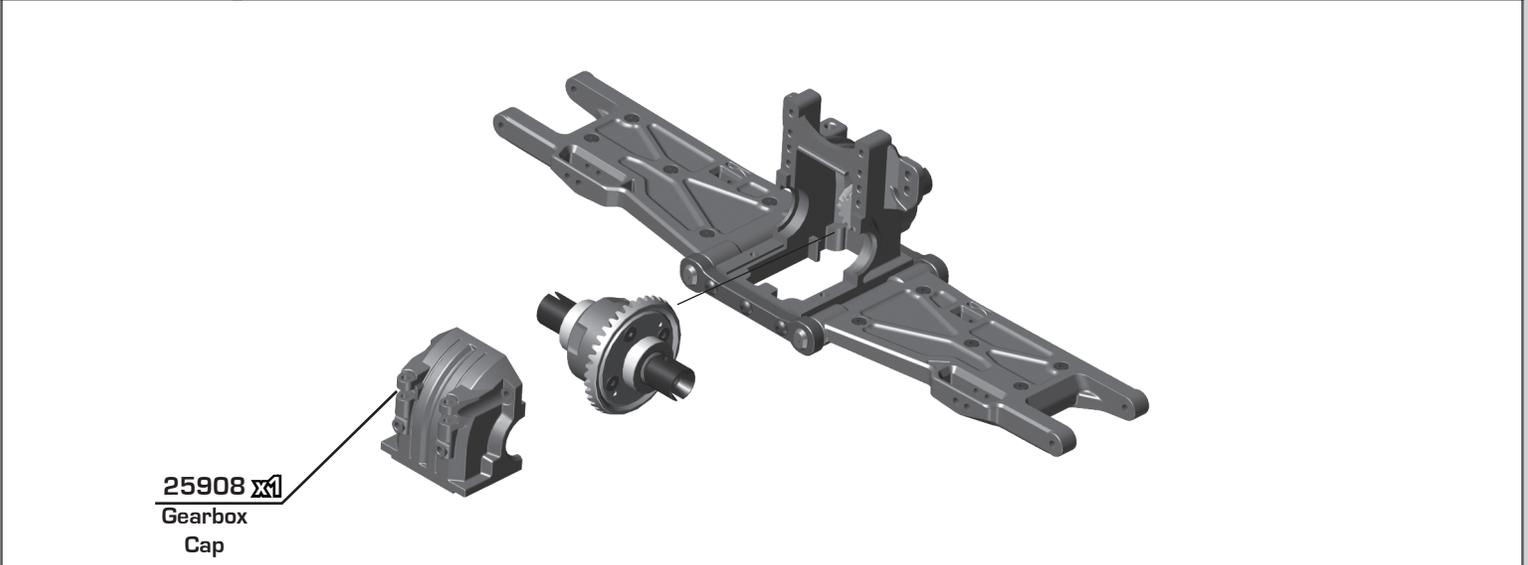
Front End - Step 6



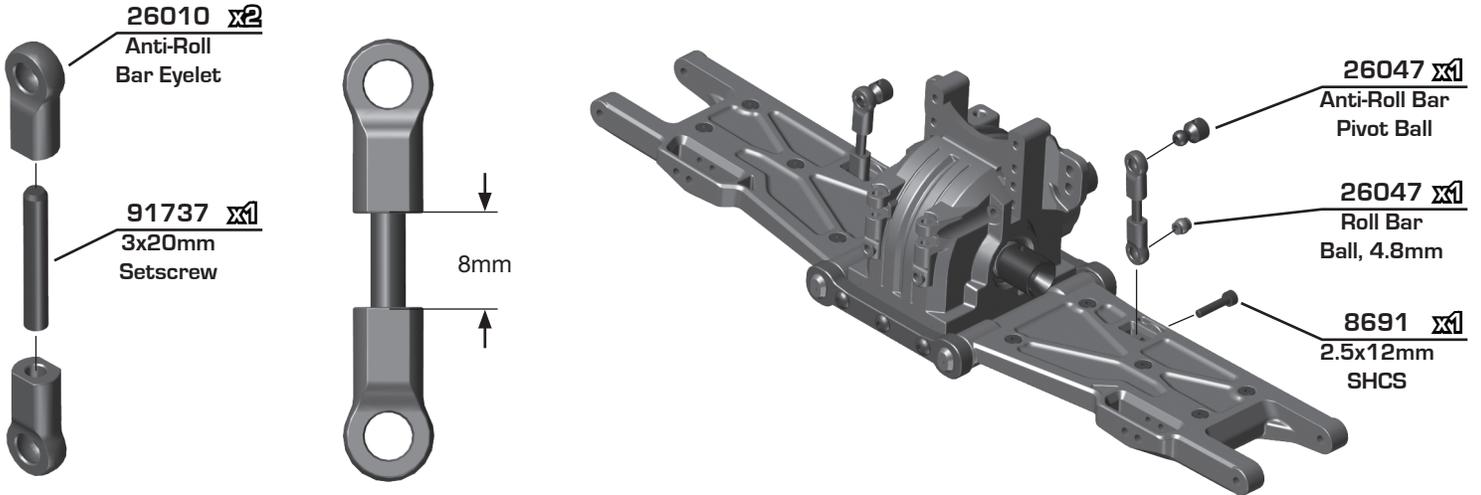
Front End - Step 7



Front End - Step 8



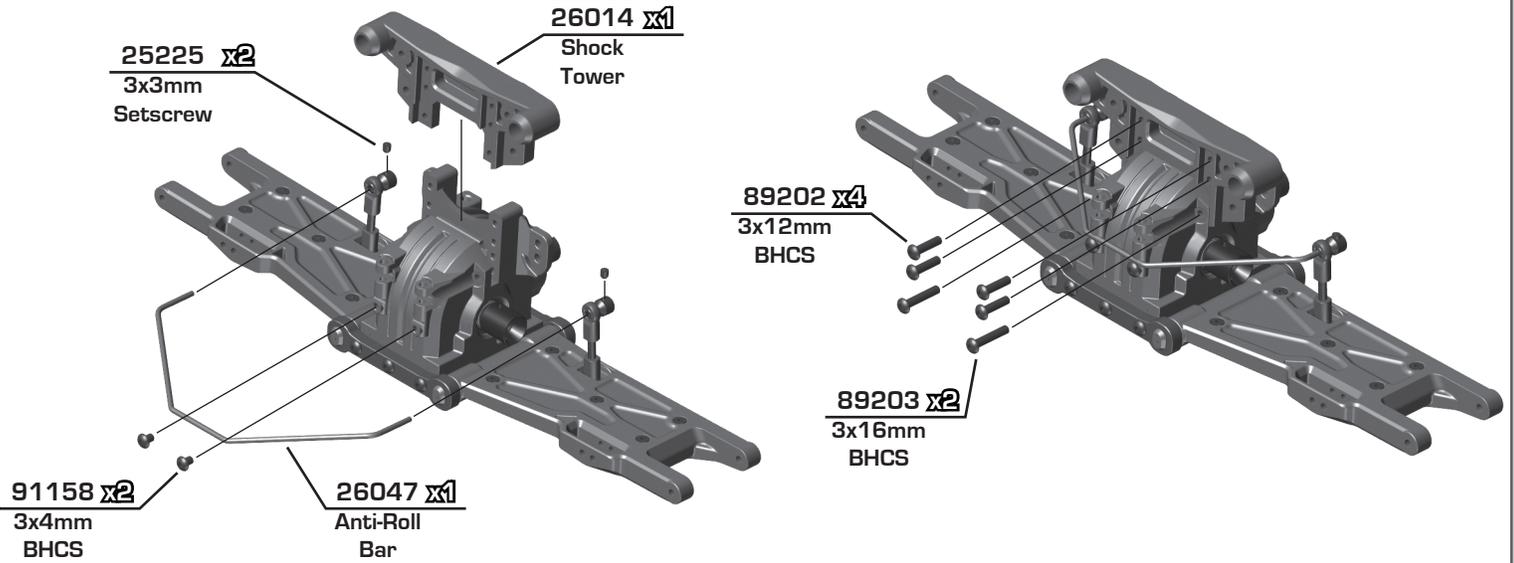
Front End - Step 9



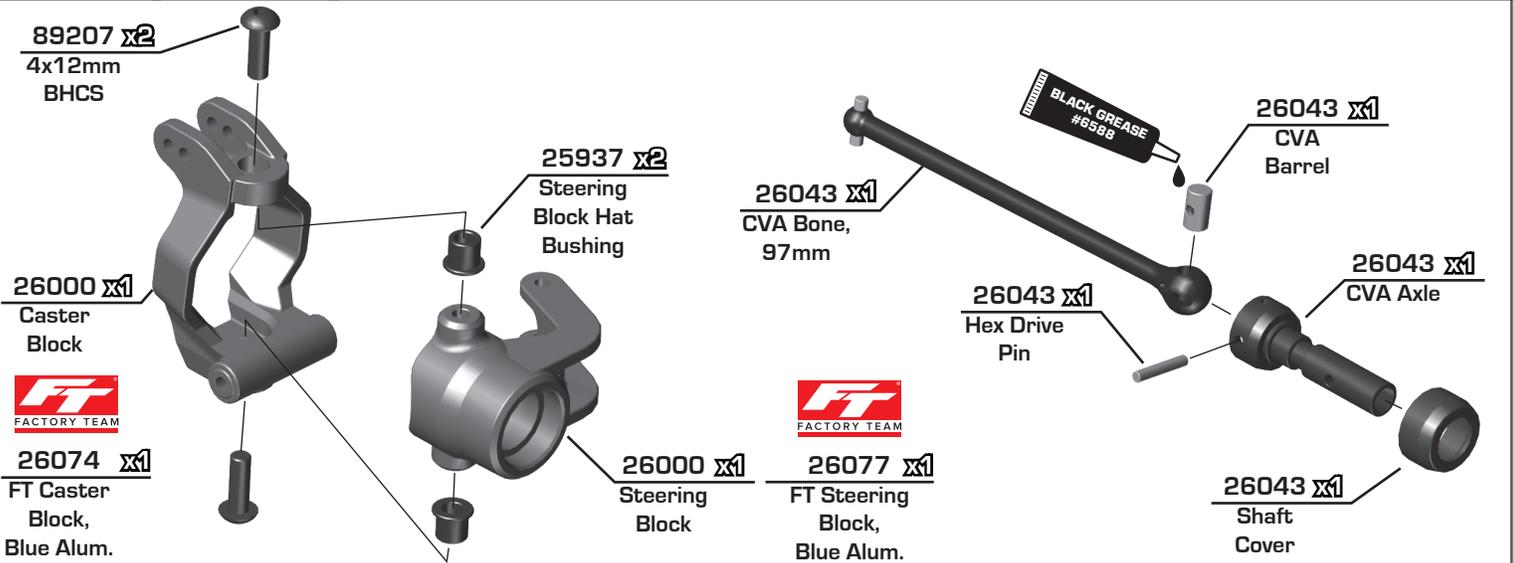
Build two.

Install two.

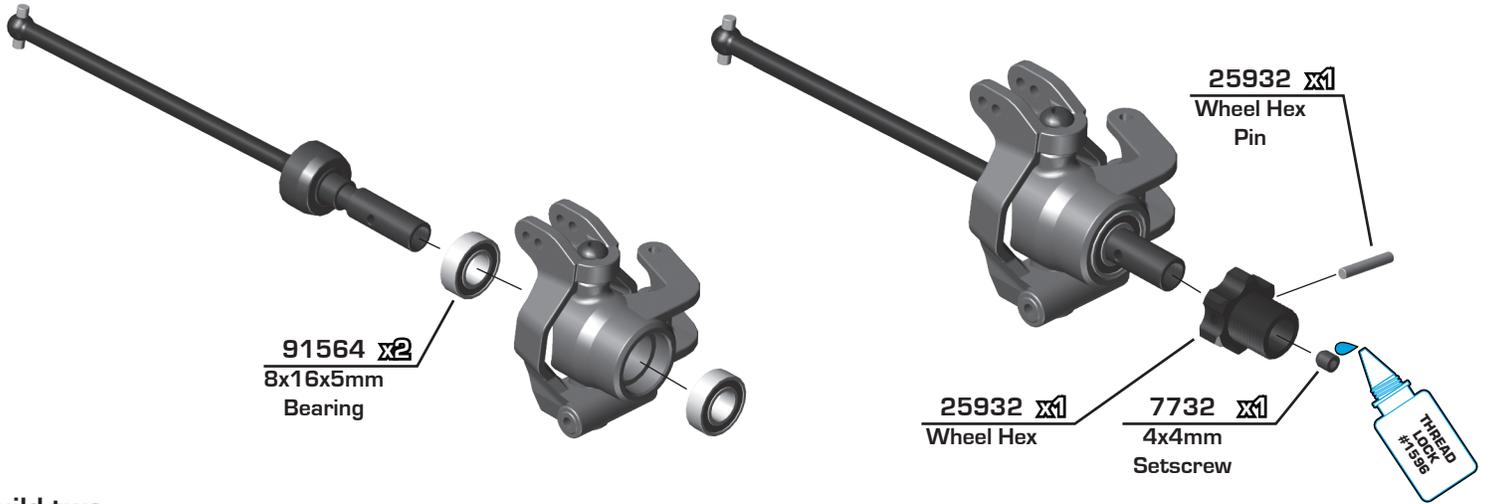
Front End - Step 10



Front Suspension - Step 1

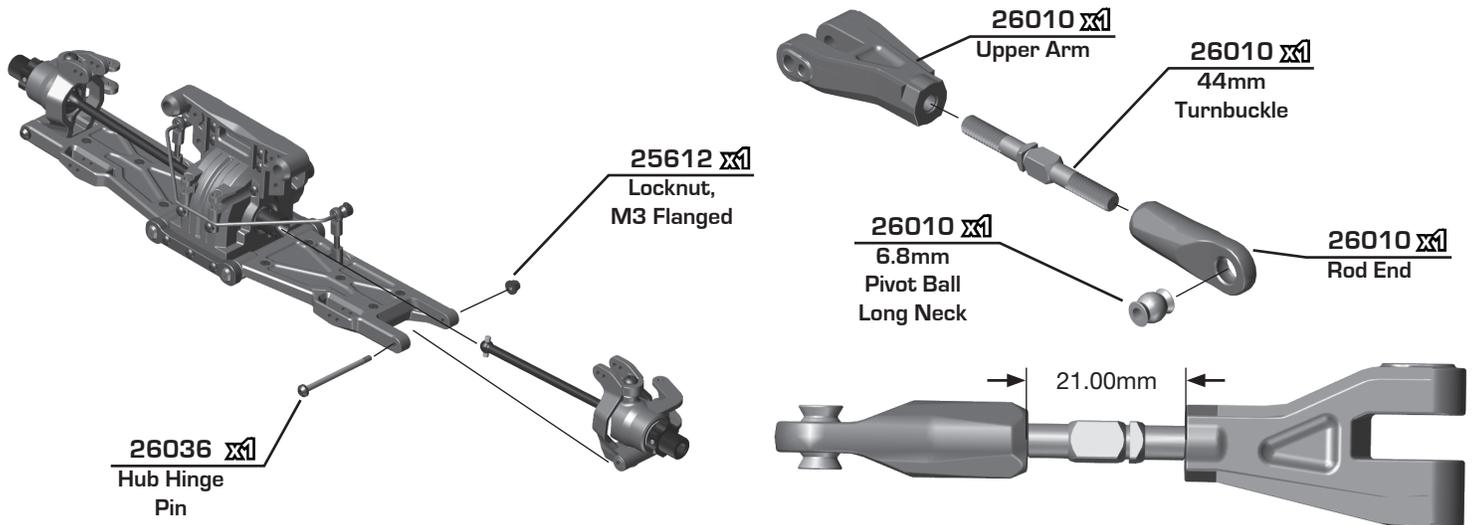


Front Suspension - Step 2



Build two.

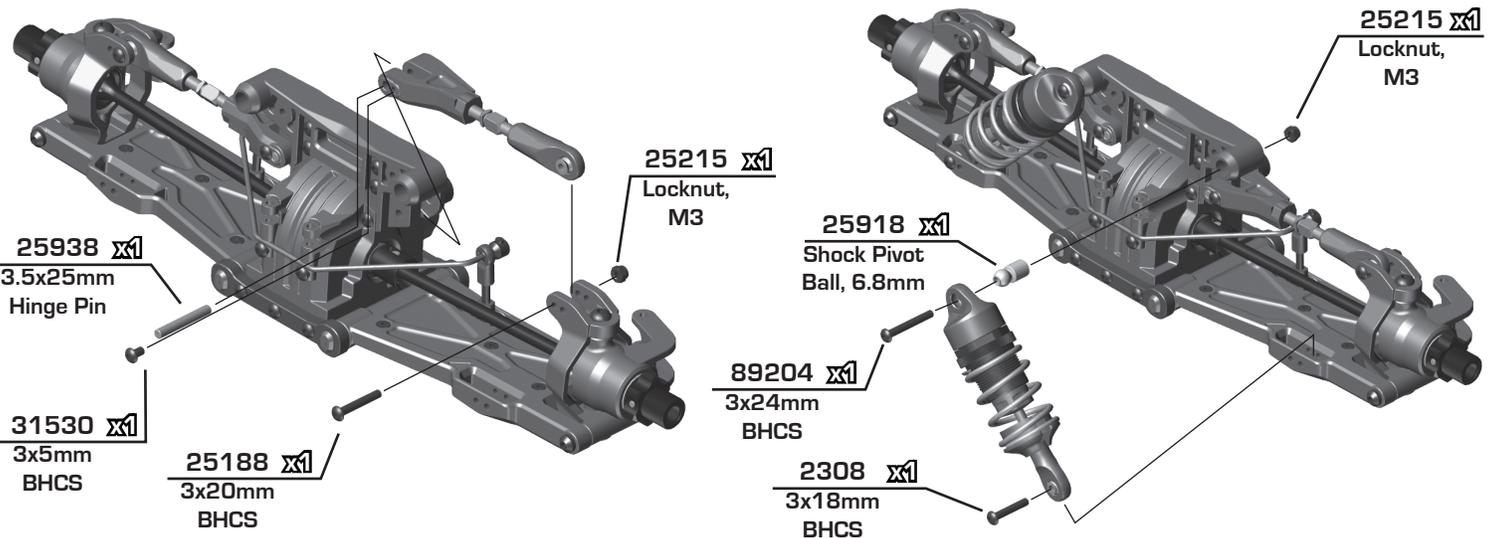
Front Suspension - Step 3



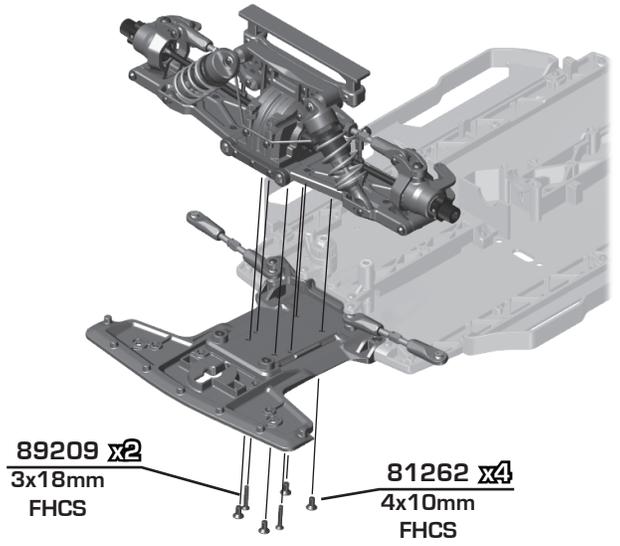
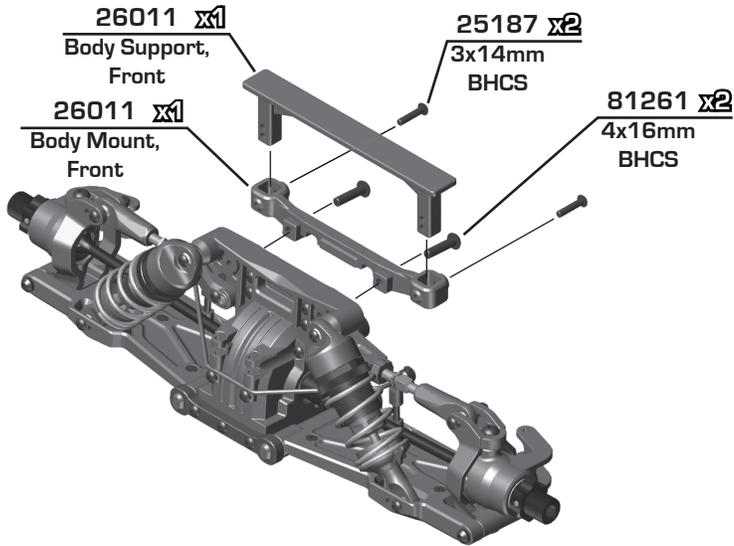
Install two.

Build two.

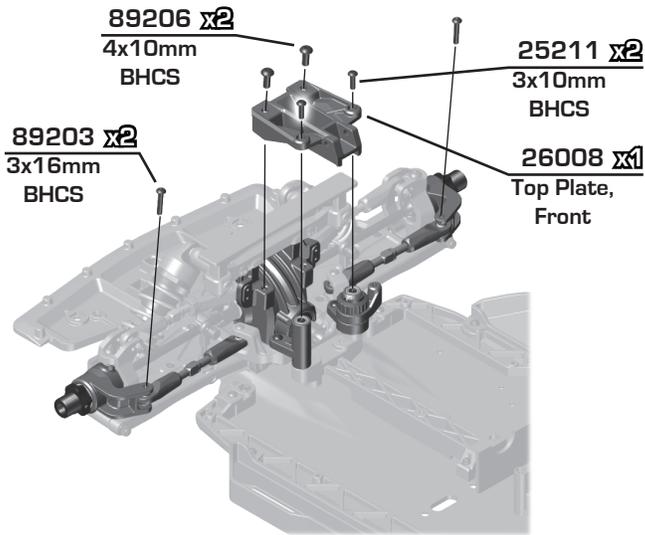
Front Suspension - Step 4



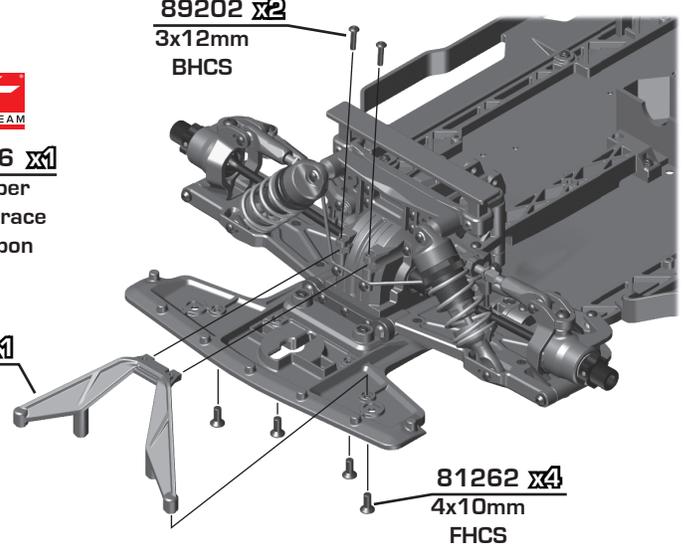
Front Suspension - Step 5



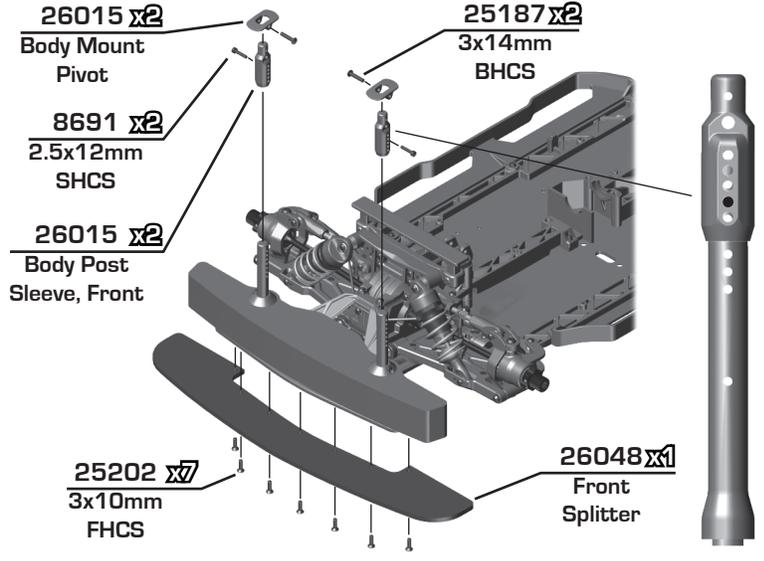
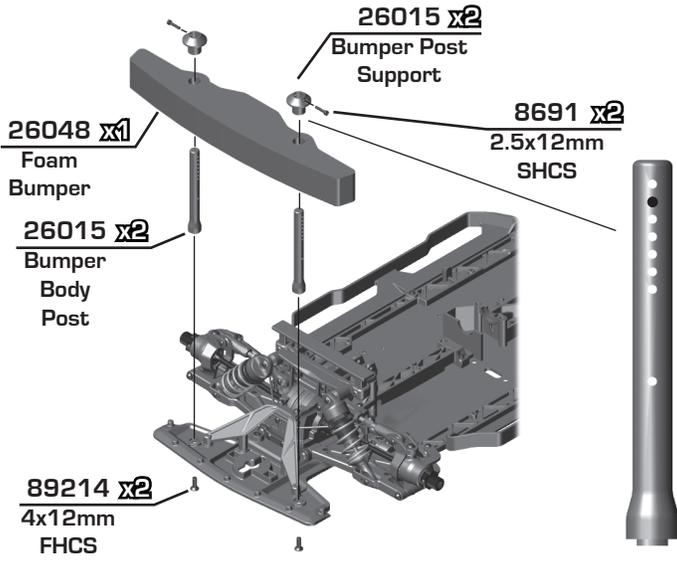
Front Suspension - Step 6



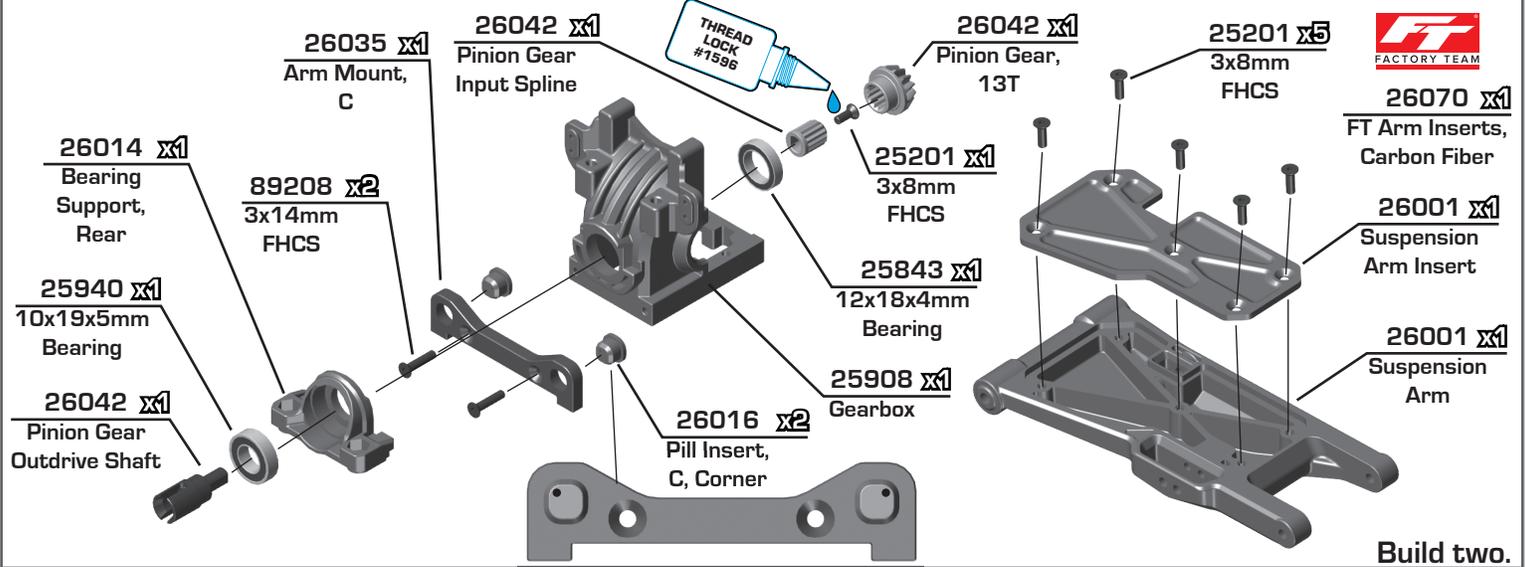
26076 x1
SR7 Upper
Chassis Brace
Set, Carbon



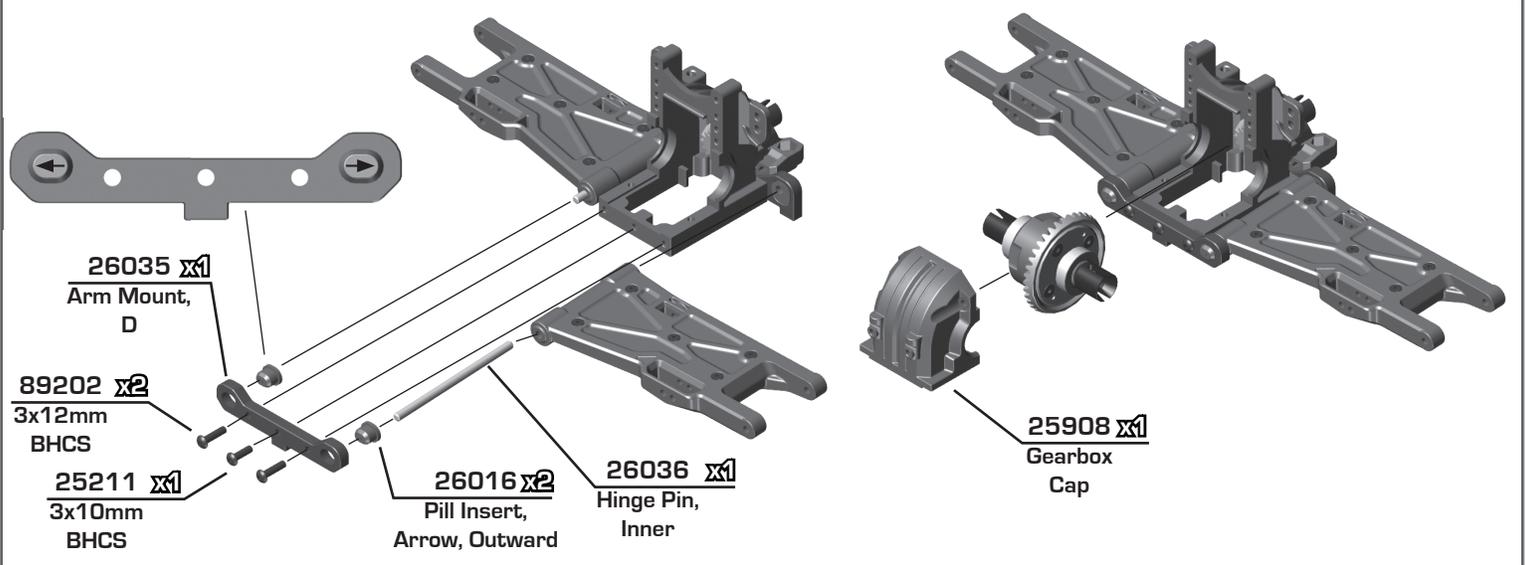
Front Suspension - Step 7



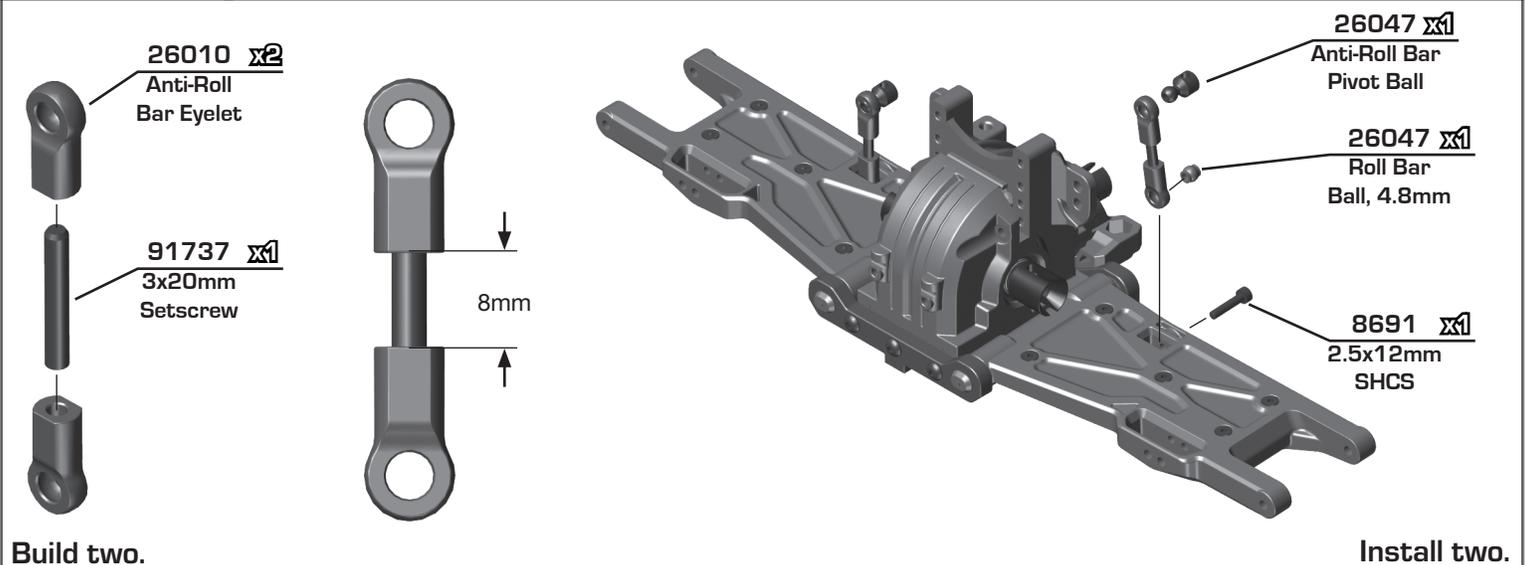
Rear End - Step 1



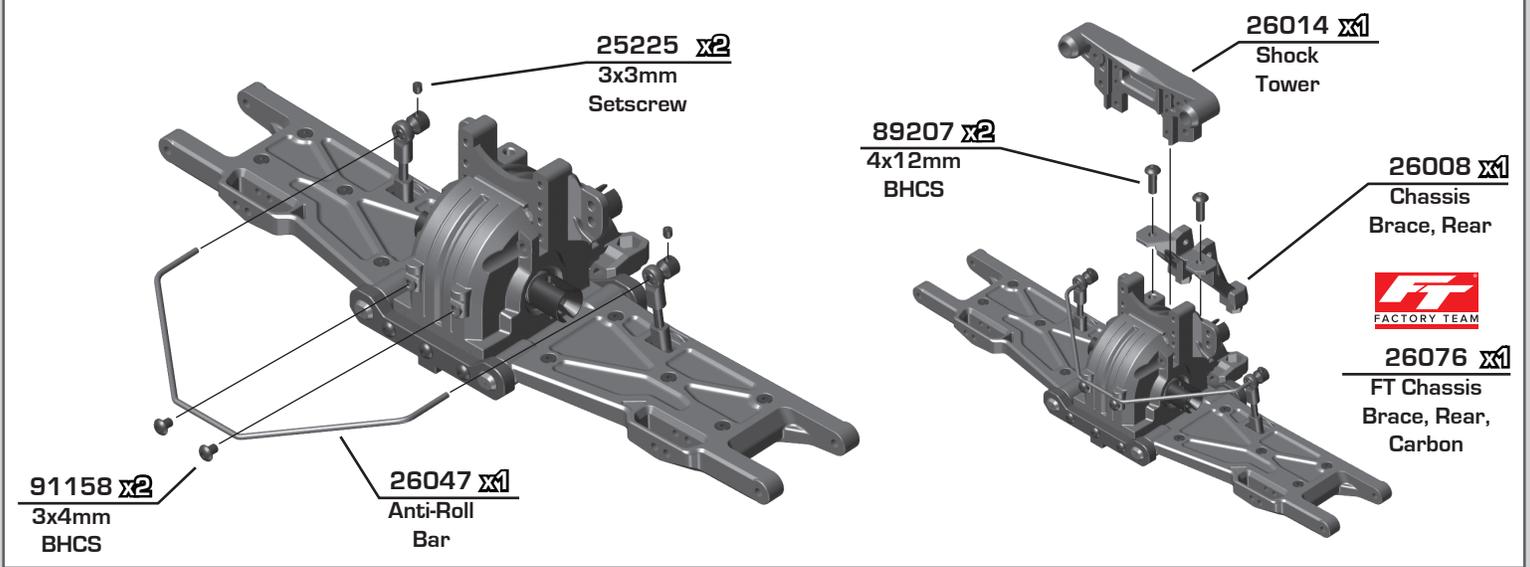
Rear End - Step 2



Rear End - Step 3

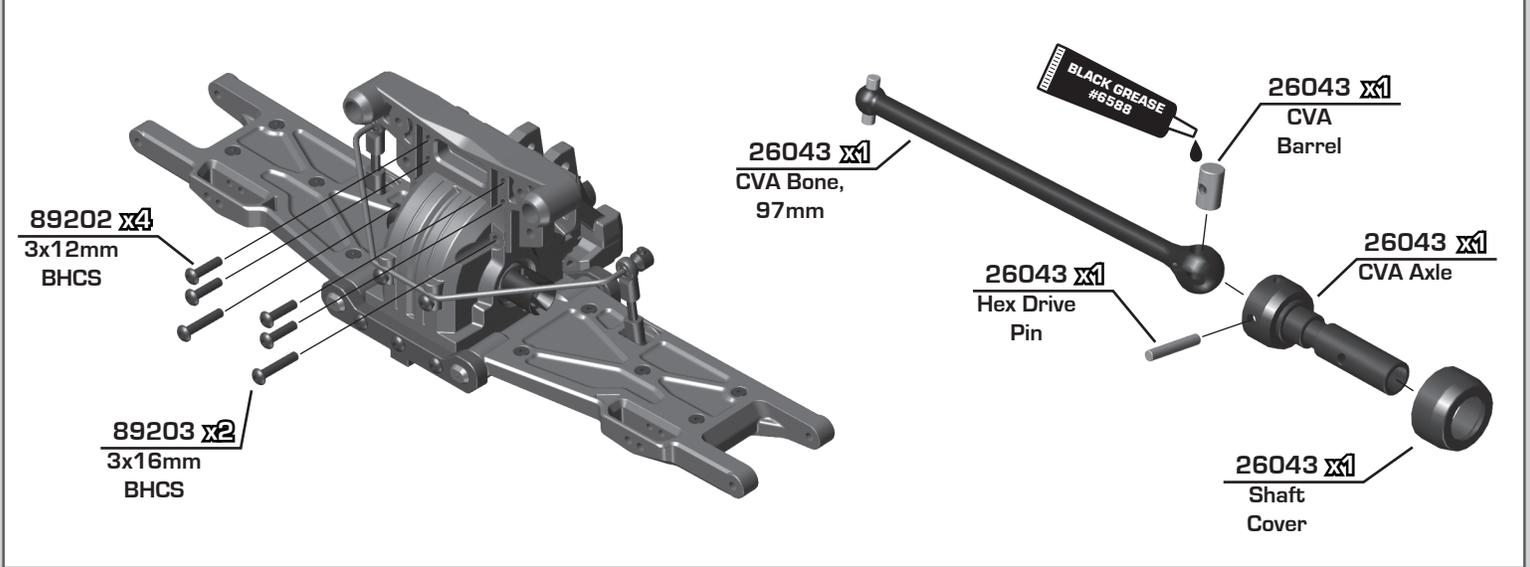


:: Rear End - Step 4

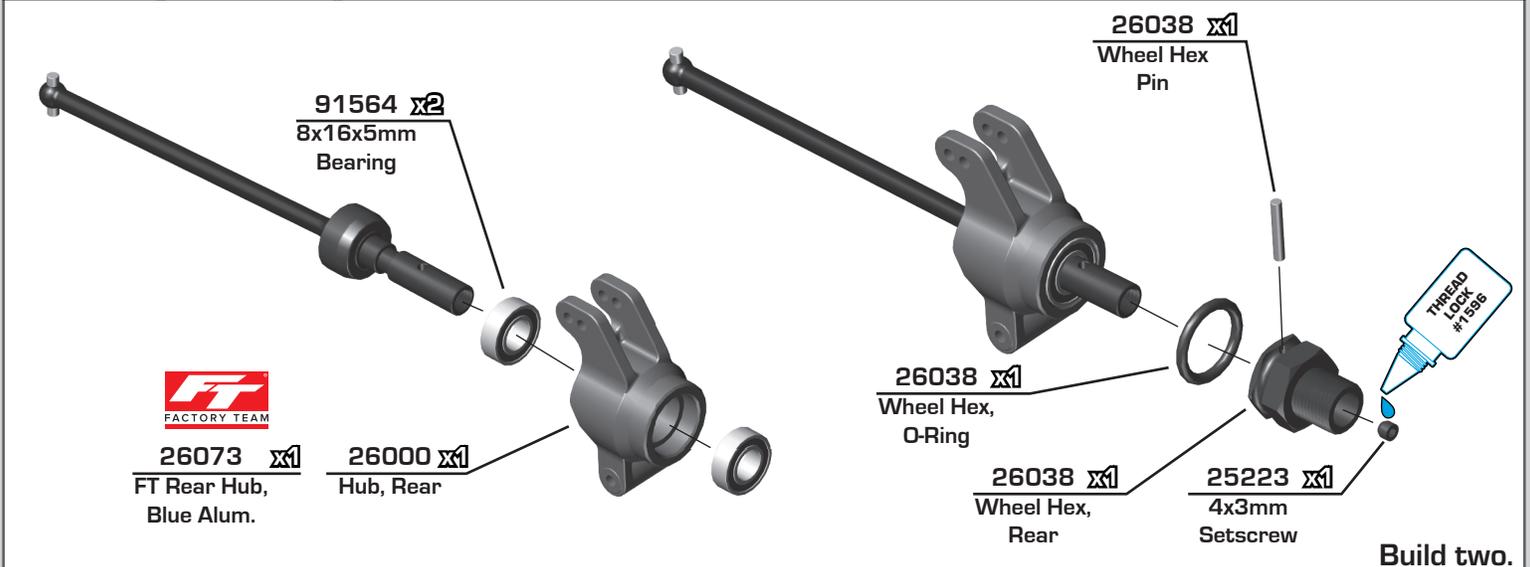


:: Rear End - Step 5

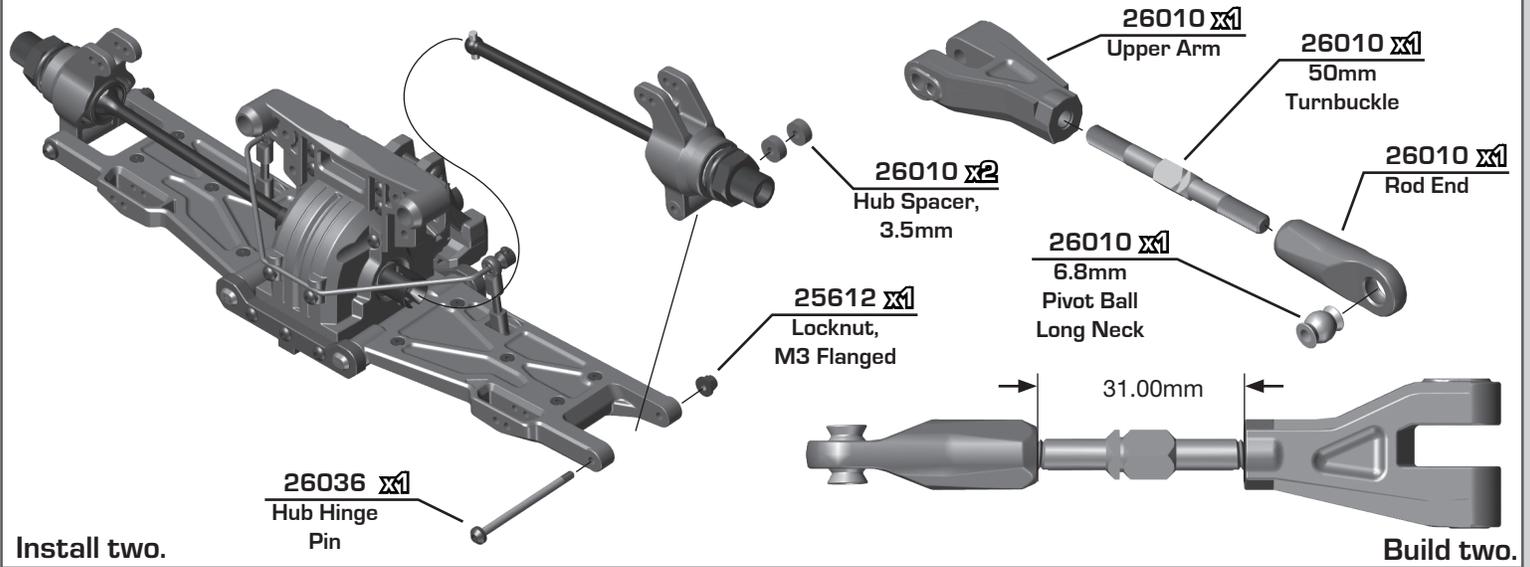
:: Rear Suspension - Step 1



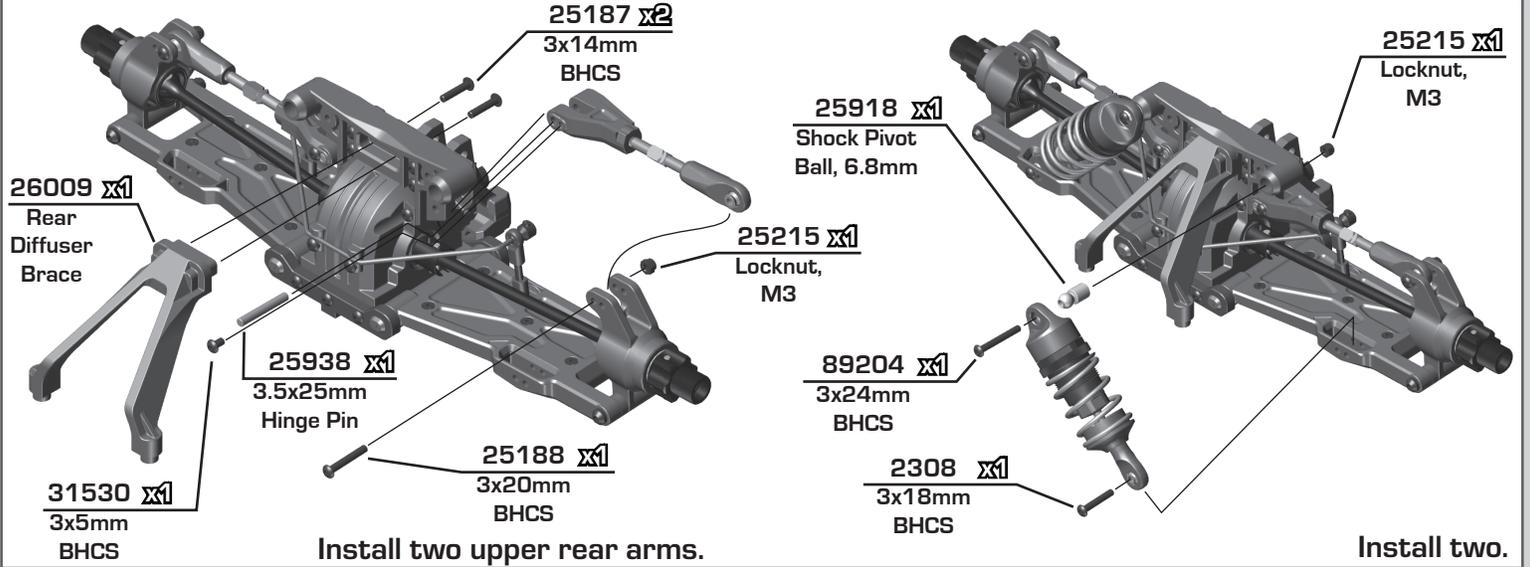
:: Rear Suspension - Step 2



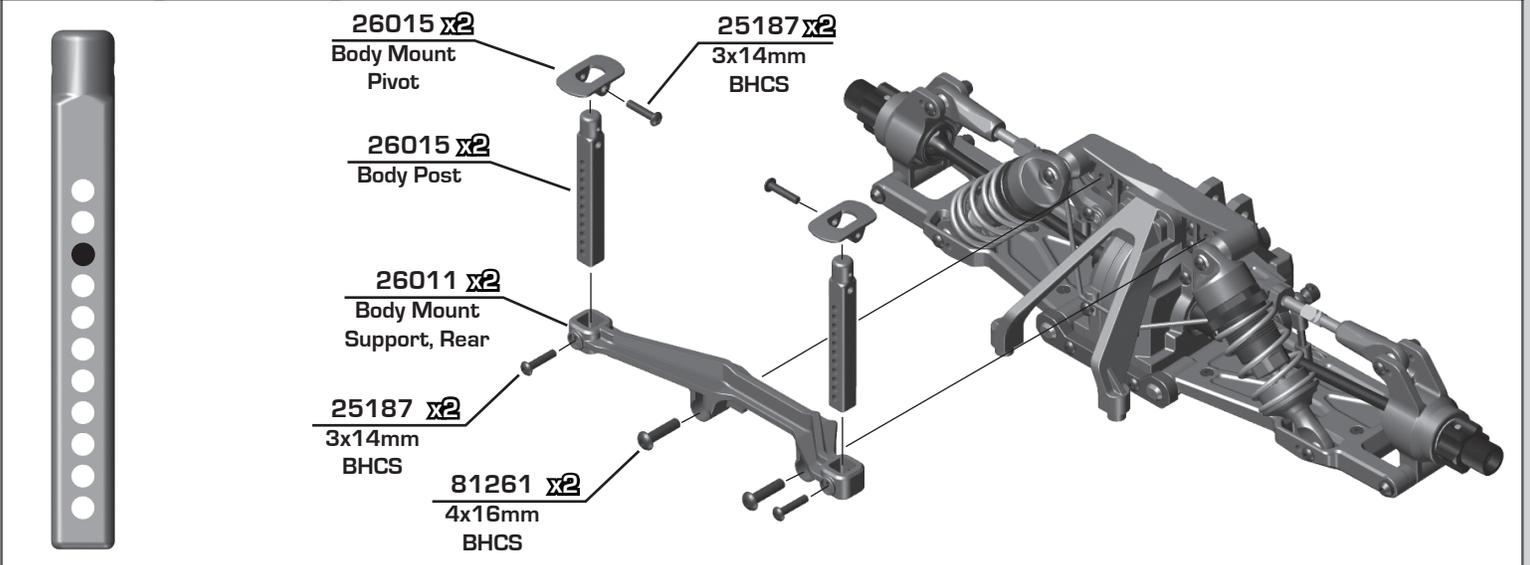
:: Rear Suspension - Step 3



:: Rear Suspension - Step 4

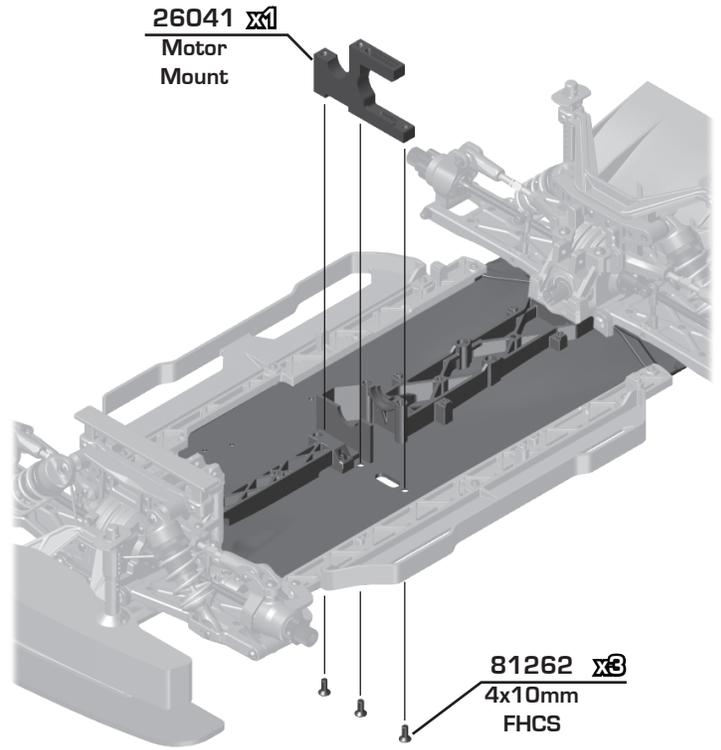
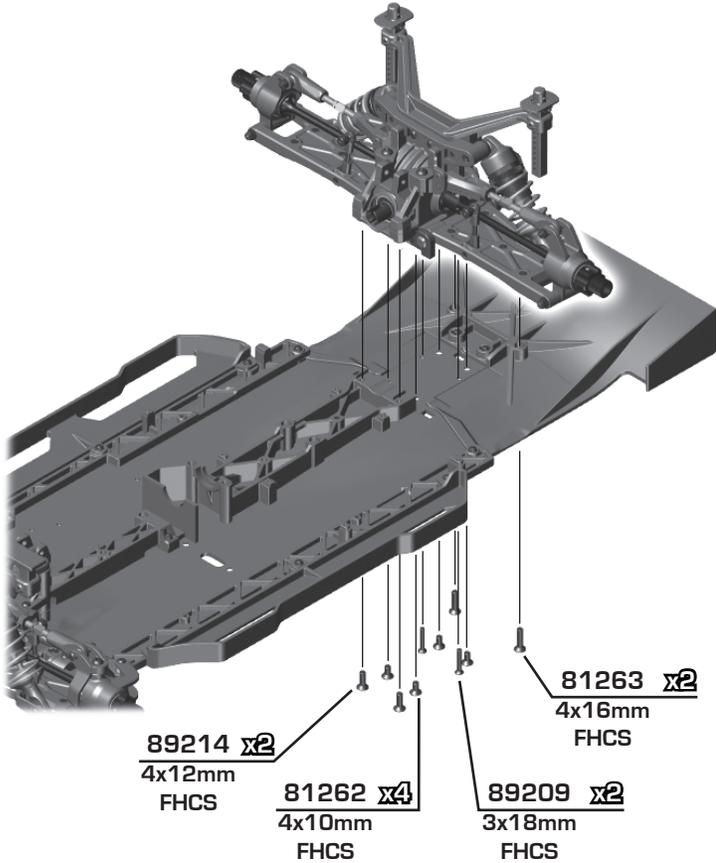


:: Rear Suspension - Step 5

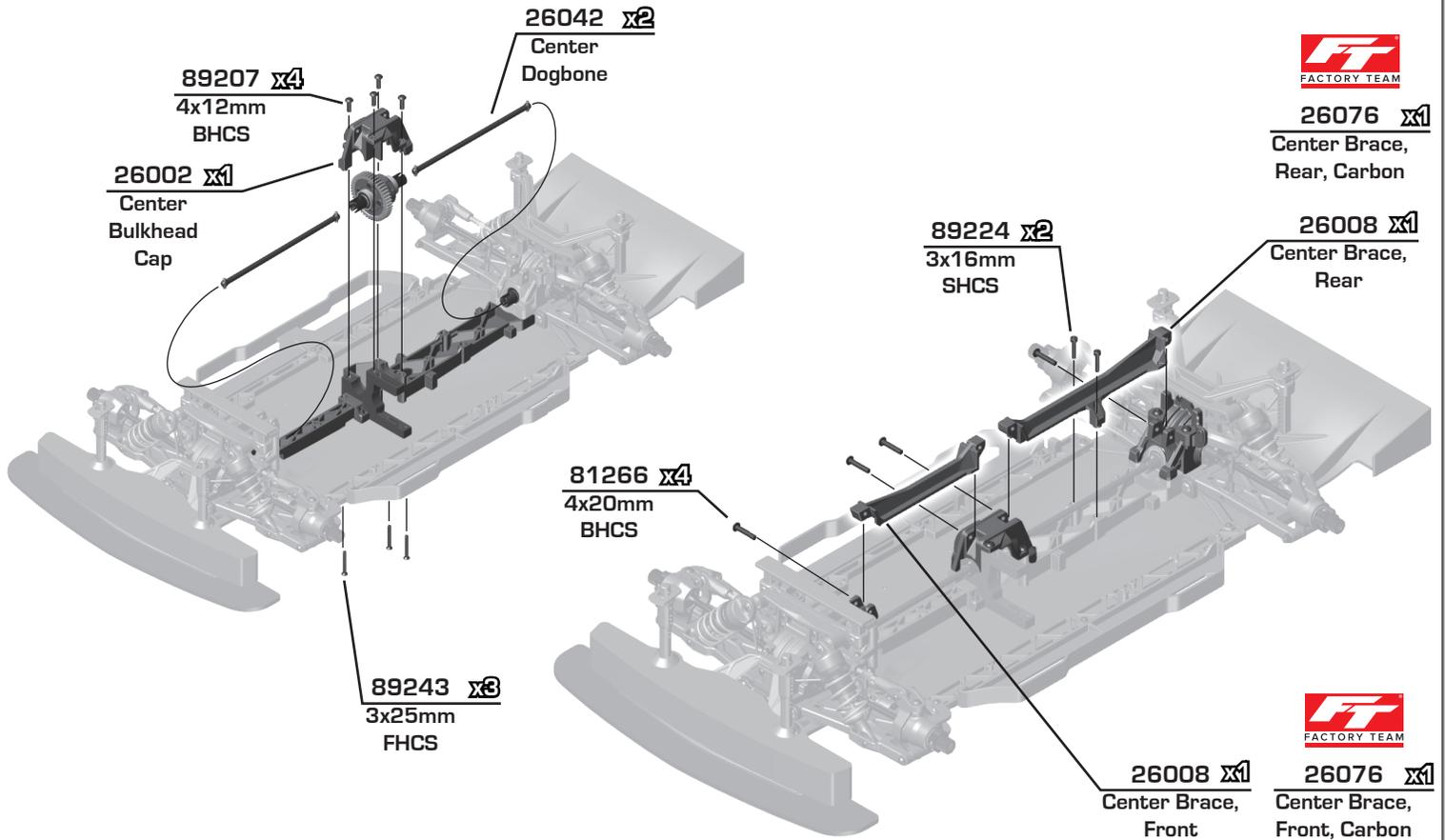


⚡ Rear Suspension - Step 6

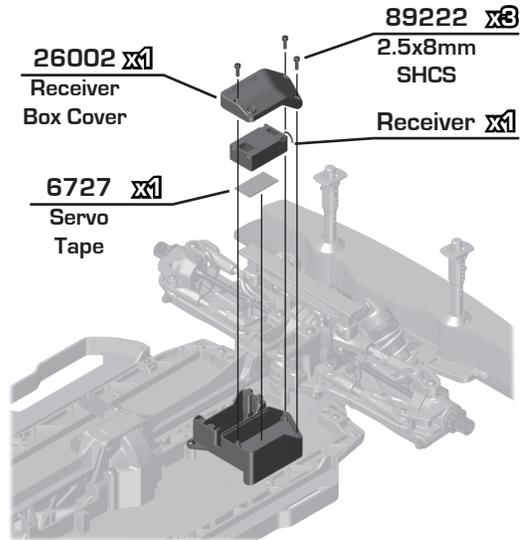
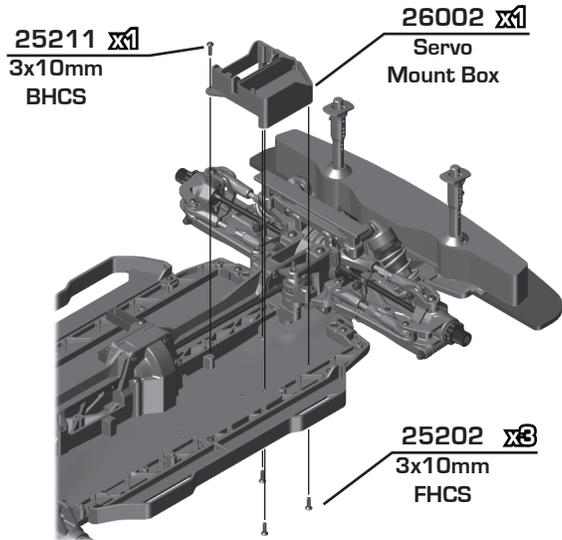
⚡ Center Differential - Step 1



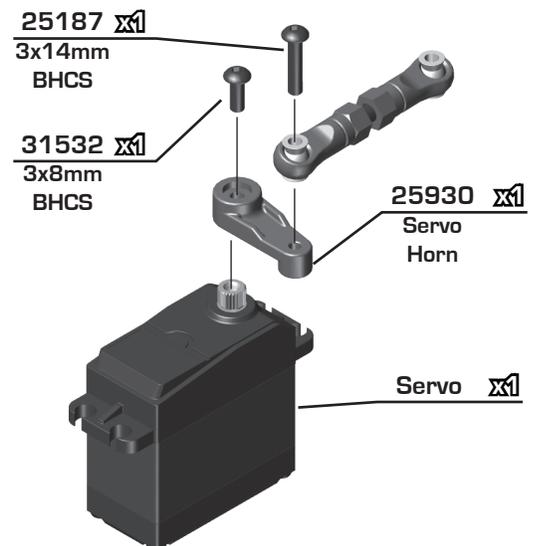
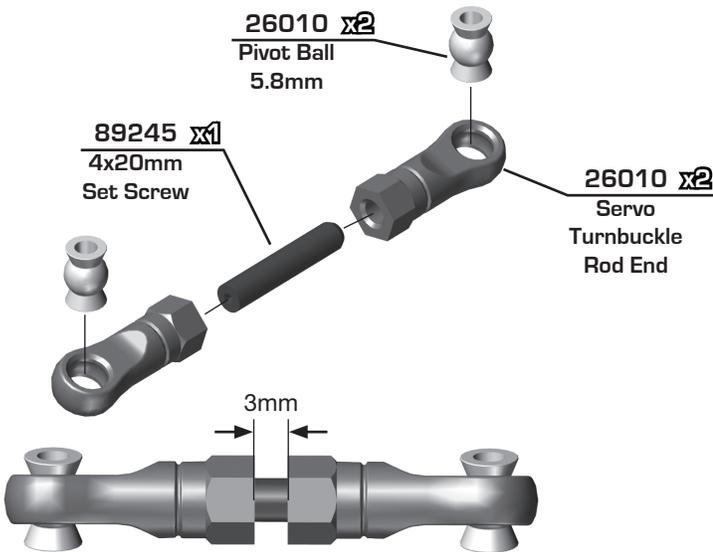
⚡ Center Differential - Step 2



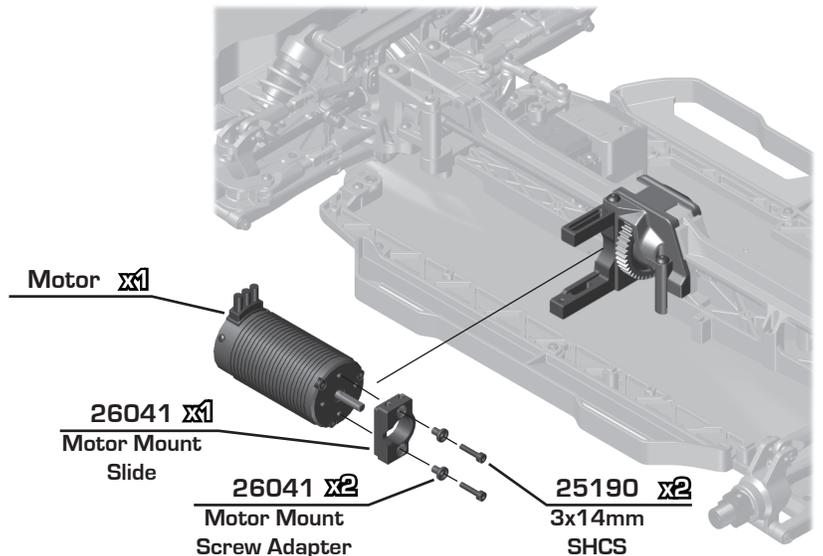
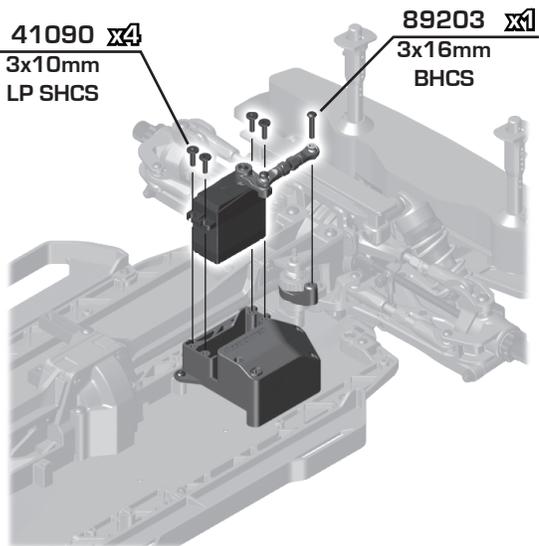
Electronics - Step 1



Electronics - Step 2



Electronics - Step 3



⚙️ Electronics - Step 4

26079 $\times 1$
SR7 FT
Motor Heat
Sink w/Fan
Unit

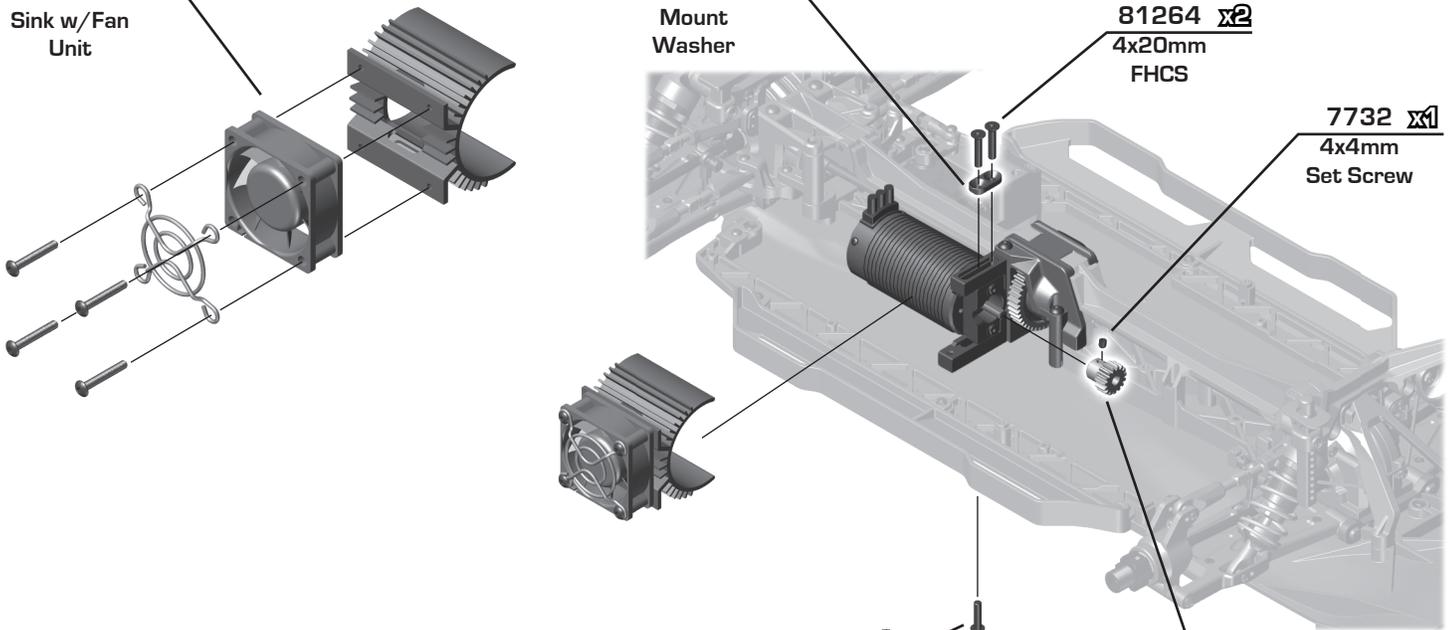
26041 $\times 1$
Motor
Mount
Washer

81264 $\times 2$
4x20mm
FHCS

7732 $\times 1$
4x4mm
Set Screw

81261 $\times 1$
4x16mm
BHCS

26020 $\times 1$
14T Pinion



⚙️ Electronics - Step 5

26003 $\times 4$
Battery Foam
Spacers

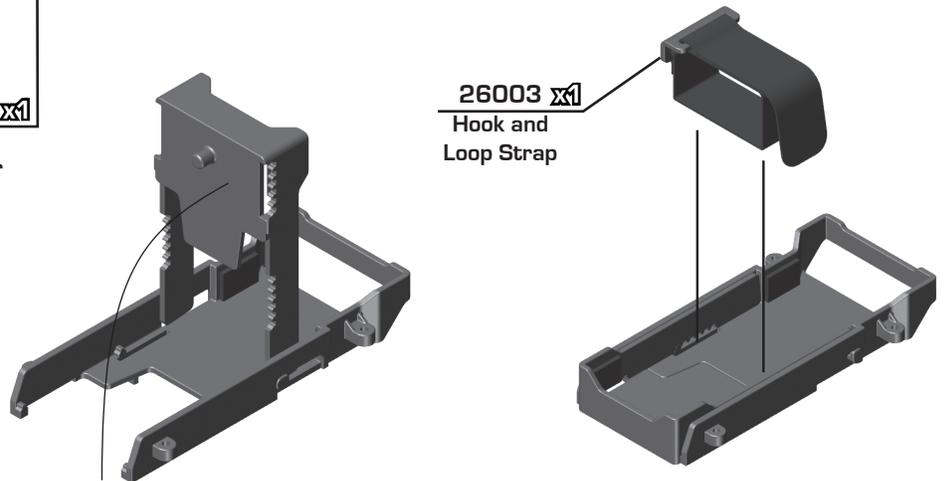
26003 $\times 1$
Battery
Tray, Front

26003 $\times 1$
Battery
Tray, Rear

26003 $\times 1$
Hook and
Loop Strap

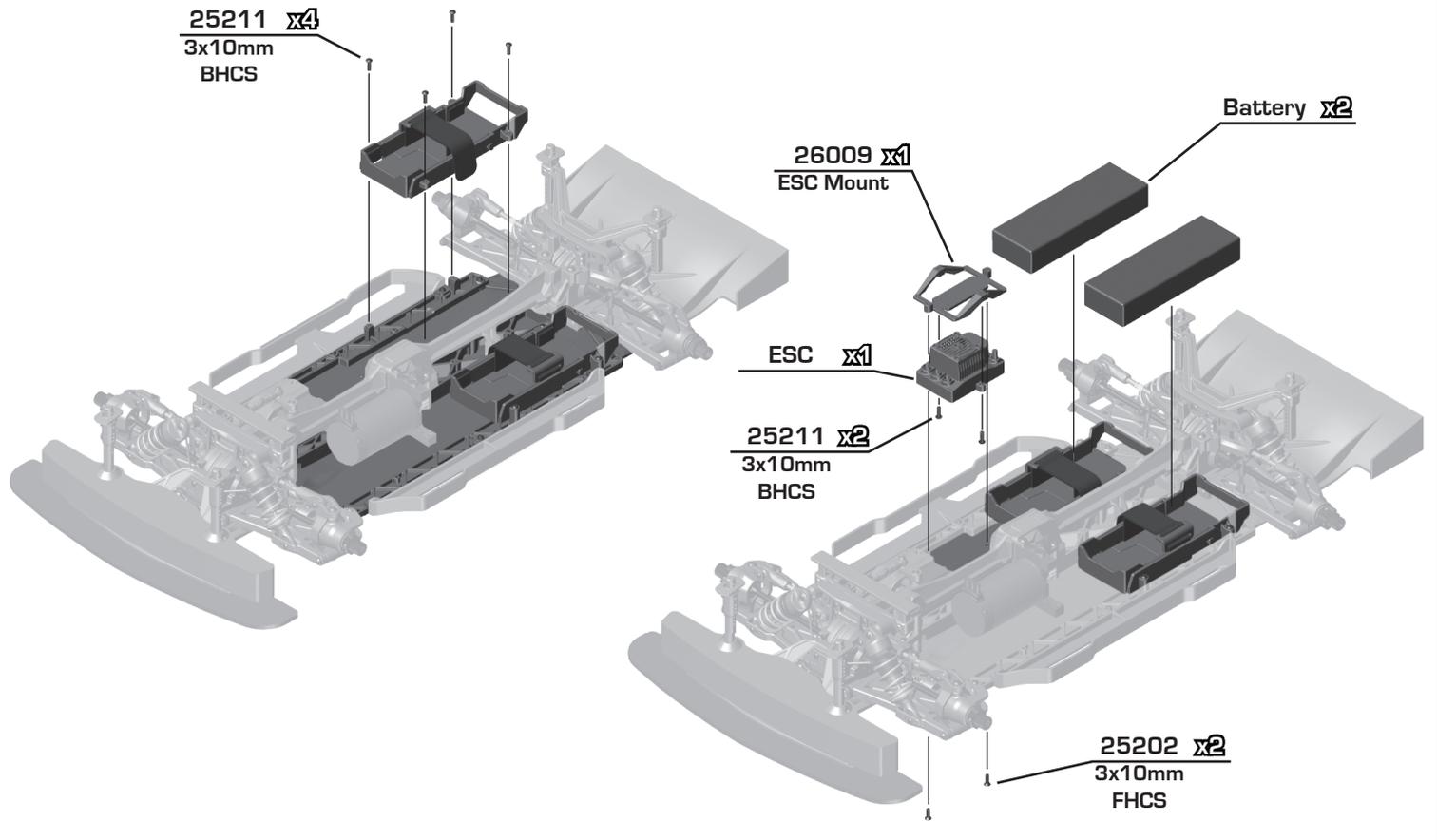


Pivot the front battery tray into the grooves of the rear battery tray. Adjust to your specific battery's length.

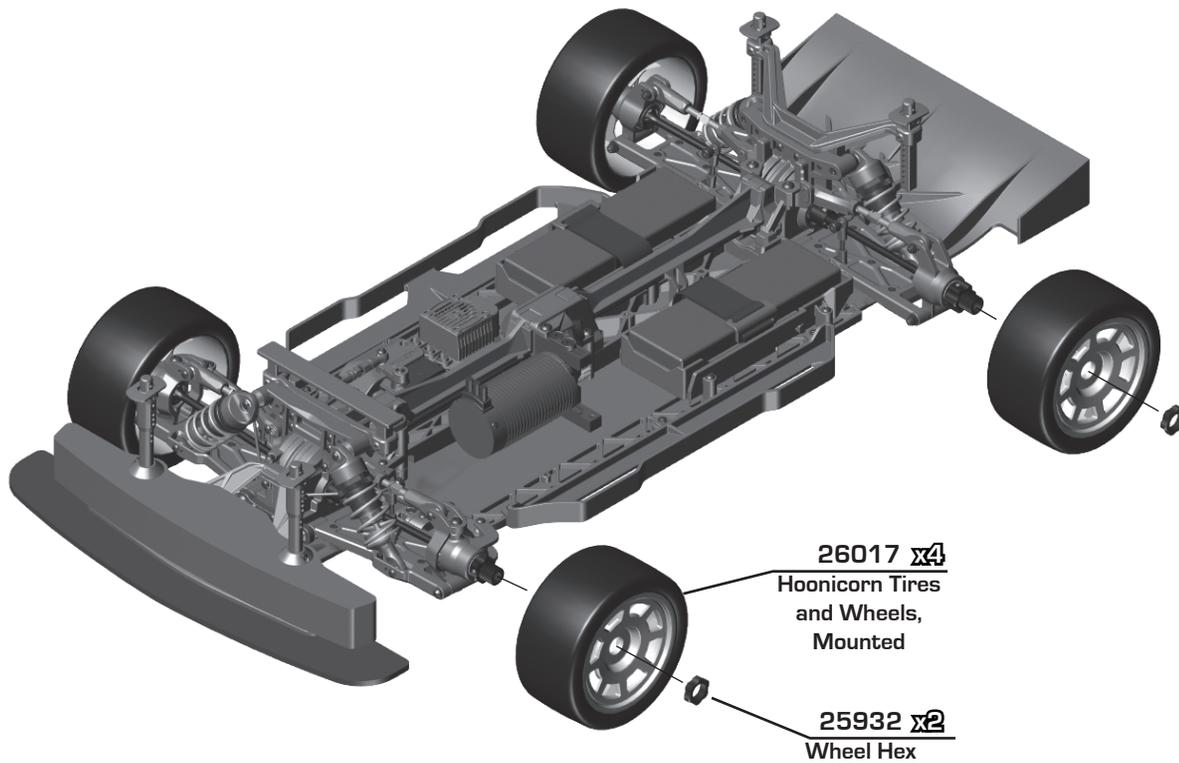


Build two.

Electronics - Step 6

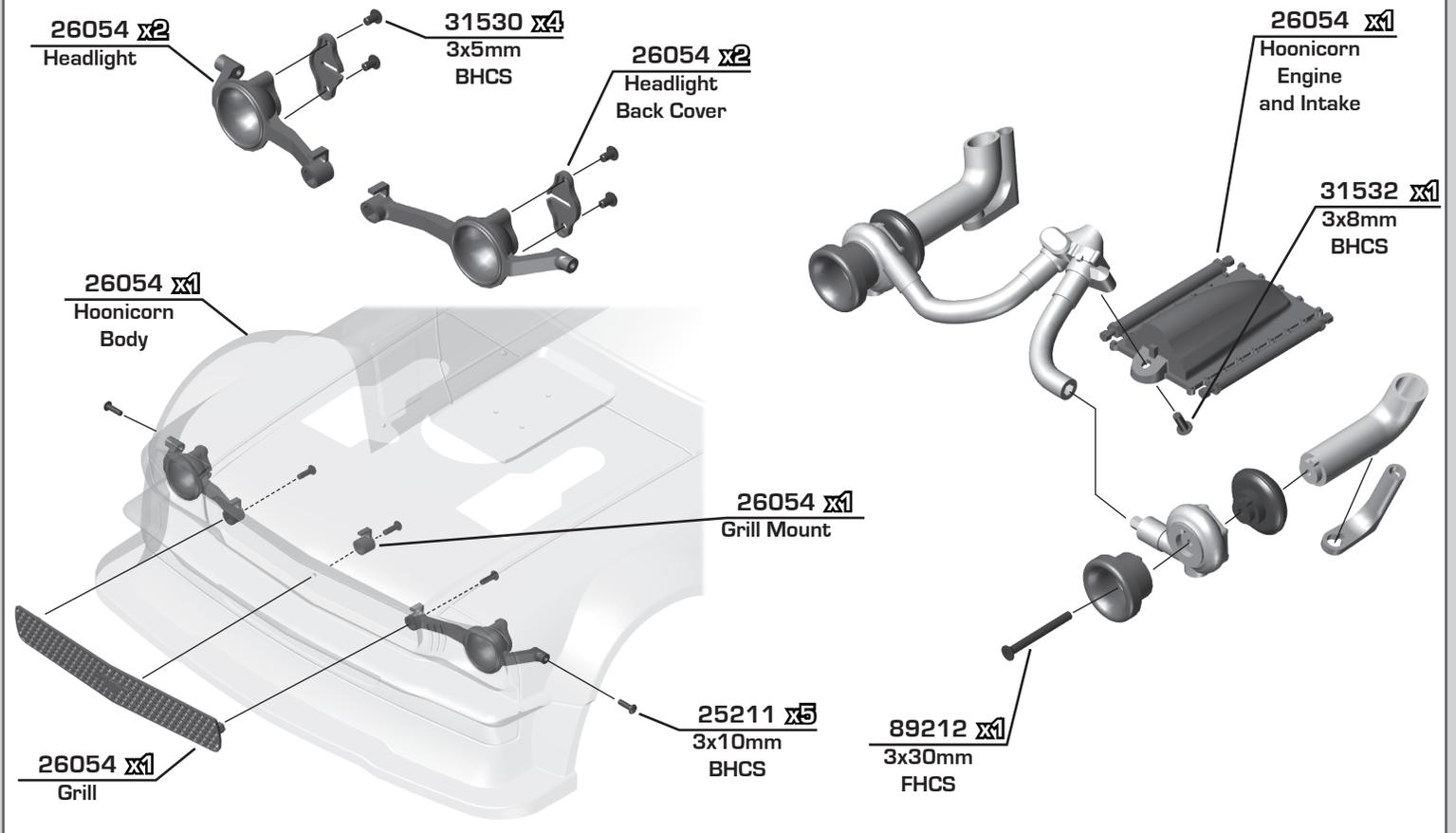


Wheel / Tire - Step 1

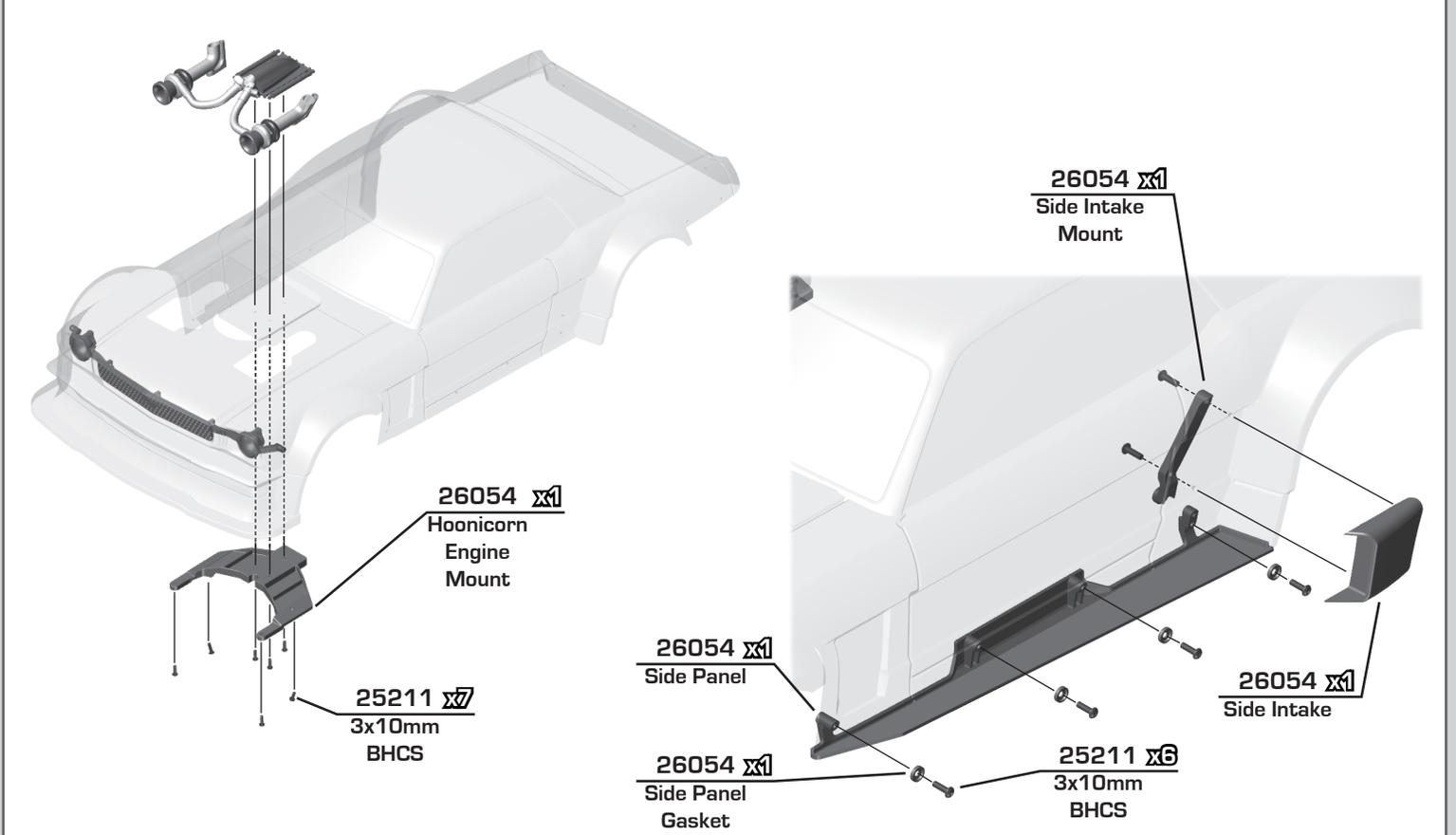


Install four.

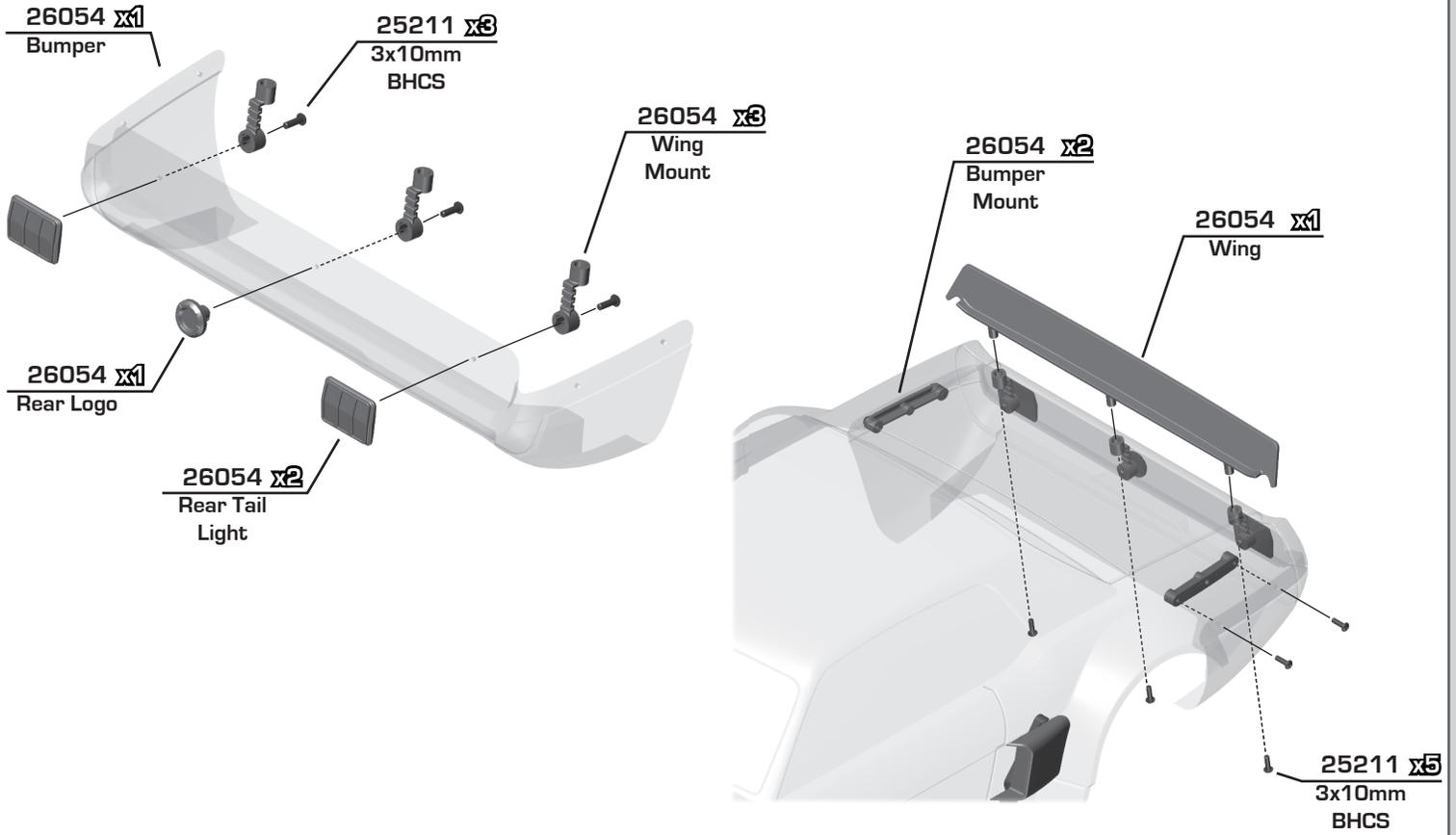
Body - Step 1



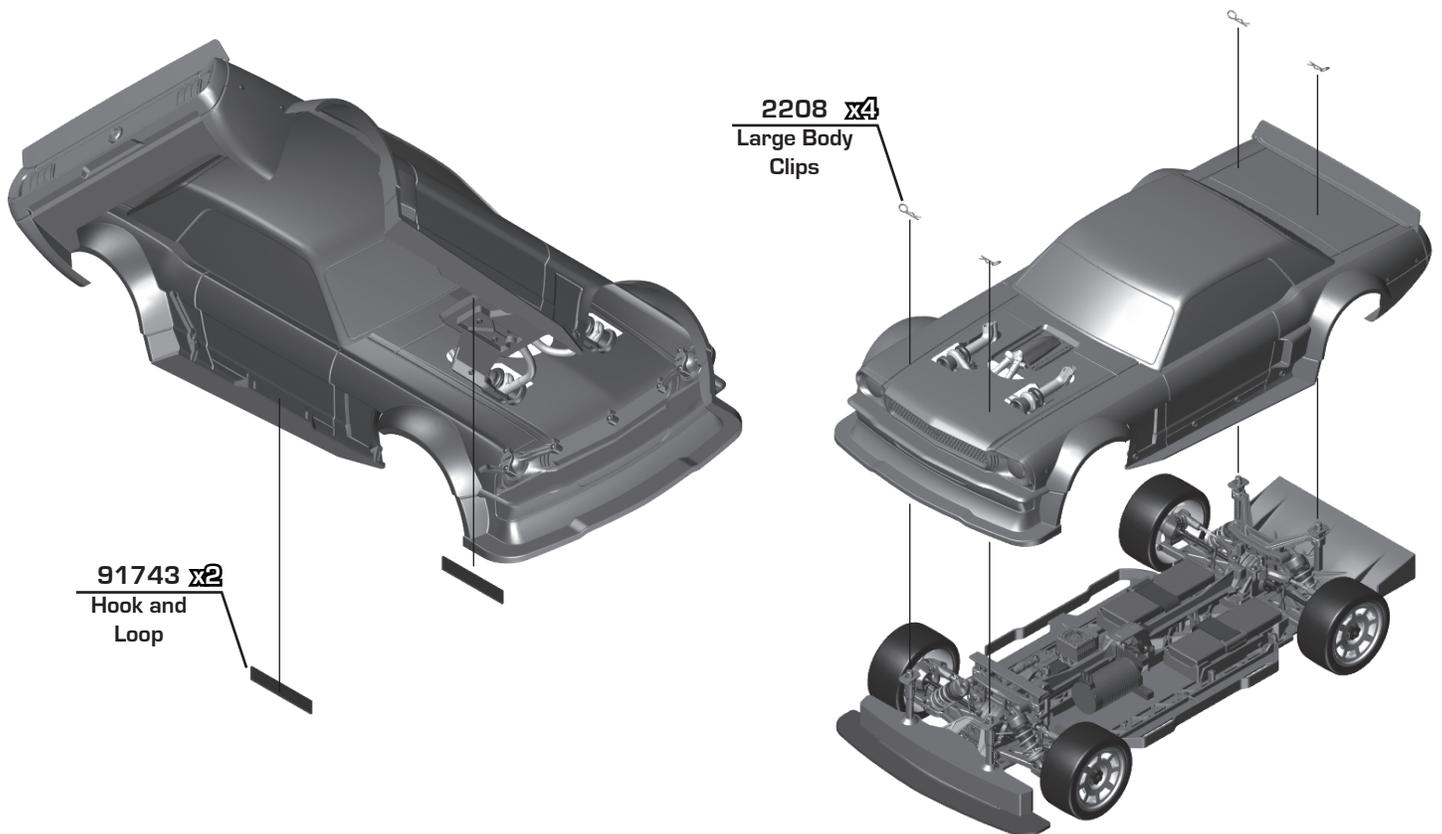
Body - Step 2



Body - Step 3



Body - Step 4



[HOONIGAN]

HOONIGAN (HŌŌN'·Î·GEN) *n.*

A person who operates a motor vehicle in an aggressive and unorthodox manner, consisting of, but not limited to, drifting, burnouts, doughnuts as well as acts of automotive aeronautics.
One who hoons.

⚙️ Tuning Tips

Tips for Beginners:

Before making any changes to the standard setup, make sure you can get around without crashing. Changes to your vehicle will not be beneficial if you can't stay in control. Once you can get around consistently, start tuning your vehicle. Make only ONE adjustment at a time, testing it before making another change.

Periodically check all moving suspension parts. Suspension components must be kept clean and move freely without binding to prevent poor and/or inconsistent handling.

Motor Gearing:

The gearing recommendations below are when using 4S lipo. Please be aware that when using a 6S configuration, the extra power and speed comes with limitations in run time and excessive heat.

Proper motor gearing will result in maximum performance and run time while reducing the chance of overheating and premature motor failure. The gear ratio chart lists recommended starting gear ratios for the stock motor.

Gear ratios will vary depending upon motor brand, wind, and electronic speed control. Consult your motor and electronic speed control manufacturers for more information. Team Associated is not responsible for motor damage due to improper gearing.

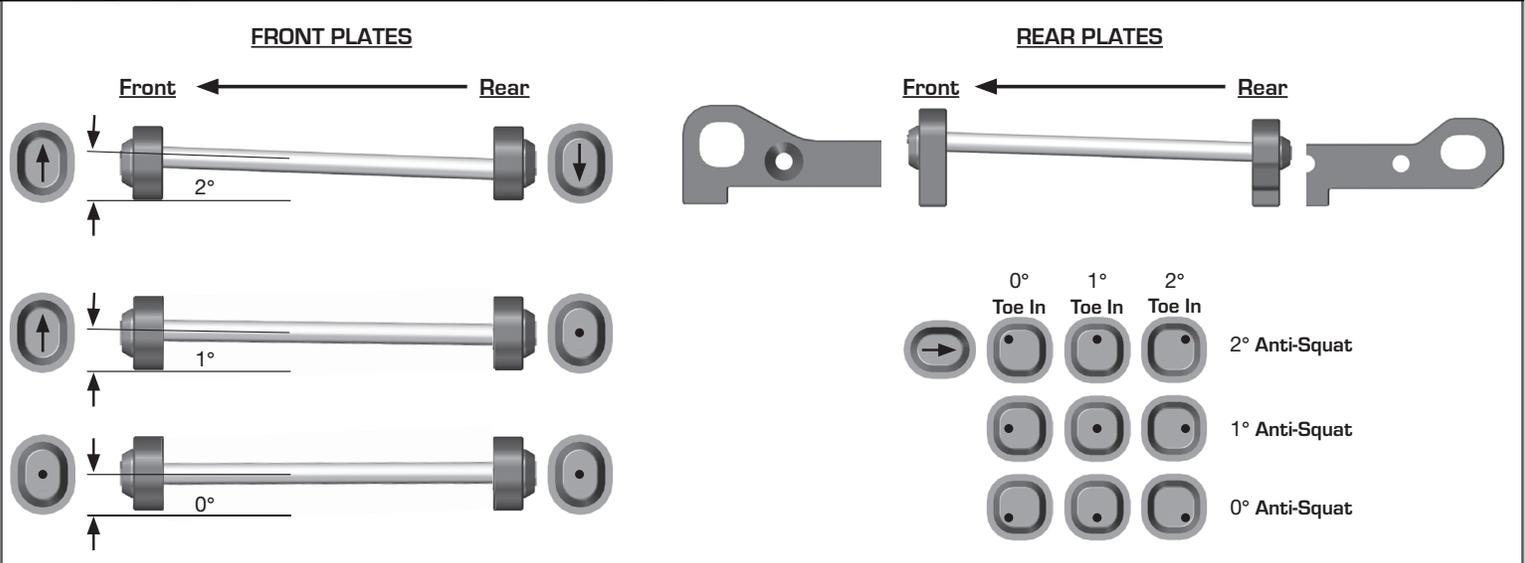
SR7 Gear Ratio Chart (Internal Gear Ratio 2.92:1)

Motor	Pinion	45T Spur Gear (Included)	48T Spur Gear (Option)
Stock [2100kV]	11	Does Not Fit	12.742
*	12	Does Not Fit	11.680
*	13	Does Not Fit	10.782
*	14 (included)	9.396	10.011
*	15	8.760	9.344
*	16	8.213	8.760
*	17	7.729	8.245
*	18	7.300	7.787
*	19	6.916	7.377
*	20	6.570	7.008
*	21	6.257	6.674
*	22	5.973	6.371
*	23	5.713	6.094
*	24	5.475	5.840
*	25	5.256	5.723
*	26	5.054	5.391
*	27	4.867	5.191
*	28	4.693	5.006
*	29	4.531	4.833
*	30	4.380	4.672
*	31	4.239	4.521
*	32	4.106	4.380
*	33	3.982	4.247
*	34	*	Does Not Fit
*	35	*	Does Not Fit

Set The Gear Mesh:

You should be able to rock the spur gear back and forth in the teeth of the pinion gear without making the pinion gear move. If the spur gear mesh is tight, then loosen the two #81264 4x20mm FHCS screws (p. 20) and move the motor away, then try again. A gear mesh that is too tight or too loose will reduce power and damage the gear teeth.

⚙️ Tuning Tips - Rear Arm Mount Pill Insert Setups



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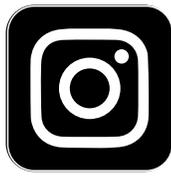
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