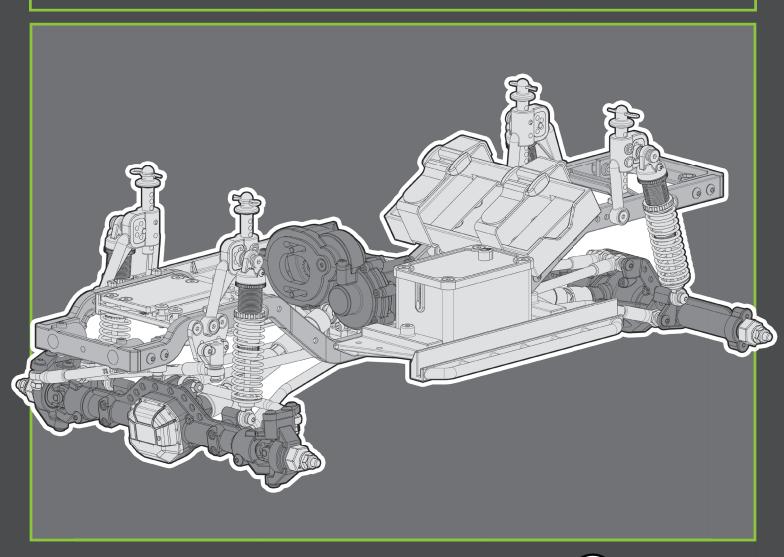


BUILDER'S KIT 3



OWNERS BUILD MANUAL









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

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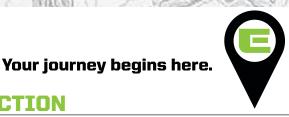
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INTRODUCTION

Thank you for purchasing this Element RC product. This assembly manual contains instructions and tips for building and maintaining your new Enduro chassis. Please take a moment to read through this manual to help familiarize yourself with these steps. We are continually changing and improving our designs; therefore, actual parts may appear slightly different than in the illustrations. New parts will be noted on supplementary sheets located in the appropriate parts bags.

ENDURO BUILDER'S KIT 3

Aluminum track bar mount: The GKS aluminum track bar mount bolted directly to the steel frame rail makes the front suspension more rigid and flex-free with a more precise steering feel.

Shock mount inserts: GKS shock mount inserts provide drivers with the ability to tune shock angle, droop, and vehicle ride height without affecting spring preload.

Factory Team shocks: For ultra-smooth performance and looks, our machined aluminum threaded bronze-anodized shocks with black plastic caps with bleeder screws.

12.3" and 12.8" wheelbase high-clearance links: With an updated look, our 5mm heavy-duty links are black nitrate-coated, with FT logo and length etched right on them for easy reference.

Factory Team steel wheel hexes: Steel wheel hexes (12x6mm) add weight down low and provides a strong solid mount for your favorite plastic or aluminum wheels.

Factory Team Steel pivot balls: They provide a smoother, longer-lasting suspension.

Factory Team High Clearance Links: (HC) geometry, made from high strength steel, nickel plated with a secondary black treatment and Laser-etched FT logo and link lengths

Stealth XF gearbox with adjustable overdrive gears: At the heart of the Enduro is our revolutionary Stealth XF gearbox. Forwardmounted motor and features the ability to adjust the rear drive ratio independently of the front drive in 3 levels. Stock overdrives the front end 5.7%, option I (requires gearing sold separately) provides a one-to-one drive ratio front to rear, and option 2 overdrives the front end 11.83%.

Factory Team Slipper Lockout: Aluminum locking plates to eliminate the slipper assembly.

Updated axles: Updated axles feature a larger input bearing size for increased durability.

ITEMS NEEDED

The following items are required to build

- Long Nose Pliers

OTHER HELPFUL ITEMS

The following items aren't required, but will aid in the building and maintaining of your Enduro Trail Truck.

FEATURES

CHASSIS FEATURES:

Solid axle front suspension

Universal front drive axles

One-piece rear axle design

Behind-the-axle (BTA) steering

Aluminum steering plates

Integrated servo winch mount

CMS (Chassis Mounted Servo)

Stamped steel frame rails

Adjustable bumper mounts

Enclosed water-resistant receiver box

Injection-molded adjustable width rock sliders

Threaded aluminum shock bodies

Aluminum motor plate

Optimized ball cups for more fluid axle articulation

Telescopic driveshafts front and rear

Extruded aluminum driveshaft splines

5mm heavy duty FT high clearance links

Machined input pinion gear

Metal ring gear

Machined steel top shaft

Metal ball bearings included

Steel 25T servo horn

HARDWARE 1:1 SCALE VIEW HARDWARE USED WITH OPTIONAL REPLACEMENT PART NUMBERS

FLAT HEAD SCREWS (FHCS)	
	2.5×10 mm (31350)
	2.5×14mm (41077)
	3x6mm (31541)
	3x8mm (25201)
	3x10mm (25202)
	3x12mm (25203)
	3x14mm (89208)

BUTTON HEAD SCREW	/S (BHCS)
	2x3mm (31509)
2.6x10mm,	SelfTapping (41088)
	3x4mm (91158)
	3x5mm (31530)
	3x6mm (31531)
	3x8mm (31532)
	3x10mm (25211)
	3x12mm (89202)
	3x14 mm (25187)
	3x16mm (89203)
	3x18mm (2308)
	3x20 mm (25188)
	3x22 mm (25189)
	3x24mm (89204)
	3x26mm (89205)
	3x28mm (41078)

LP SOCKET HEAD S	CREWS (LP SHCS)
	3x6mm (41089)
	3x10mm (41090)
	3x16mm (41092)
	3x20mm (41091)

SOCKET HEAD S	
	2x5mm (31511)
	2x8mm (7187)
	2.5x6mm (41079)
	2.5x10 mm (41087)
	2.5x14mm (71032)
	2.5x16mm (41086)
	3x6mm (41089)
SET SCREWS	
	3x3mm (25225)
	3x16mm (4689)
	4x16mm (4677)

Pivot	Ball, Long, Upper Shock (42041)
LOCK NUTS	
	M3 Locknuts (25215) Aluminum (31550)
	M4 Locknut W/Flange (25391)
BEARINGS	

Pivot Ball, Short (42041)

4x8x3mm (91568)
5x10x4 mm (91560)
5x12x4mm (91567)
7x14x3.5 mm (91474)
10x15x4 mm (91563)

SHIMS AND W	ASHERS
	3x7mmx1mm (42260)
	3x7mmx2mm (42260)
	3x7x3mm (42260)
	3x7x5mm (42260)
	3x7x7mm (42260)
	Drive Gear Shim (42027)
MISC. SCREWS	5
Shoulde	er Screw 3x4x10mm (42070)
	Screw Pin (42022)
	Pin 2x11mm (42019)
LINKS	I I 4mm
93mm 83mm 73mm	96mm



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GEARBOX CONFIGURATION

7 TRAIL TIPS

BACK COVER

USING THIS MANUAL



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 a Trail Tip.



This symbol indicates where Black Grease should be applied.



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



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

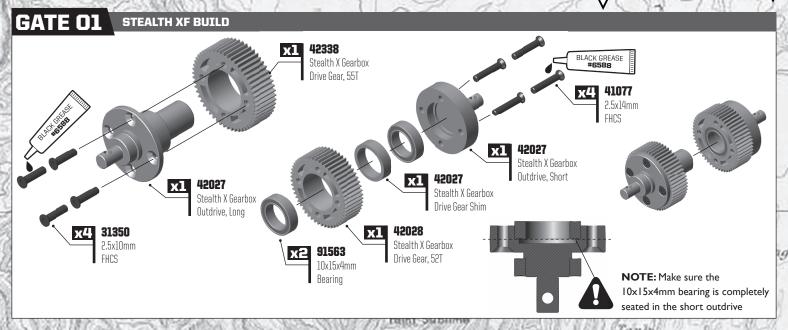


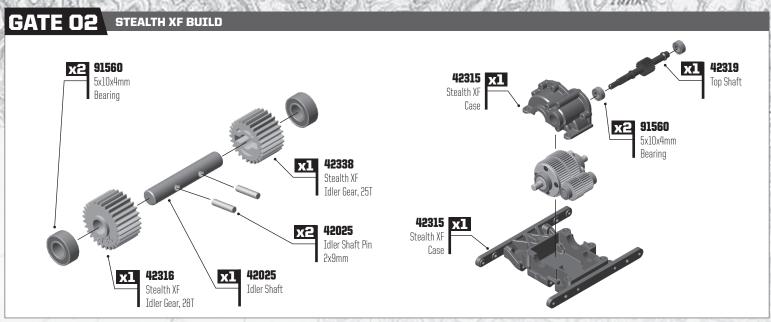
This symbol indicates where Shock Fluid should be applied.

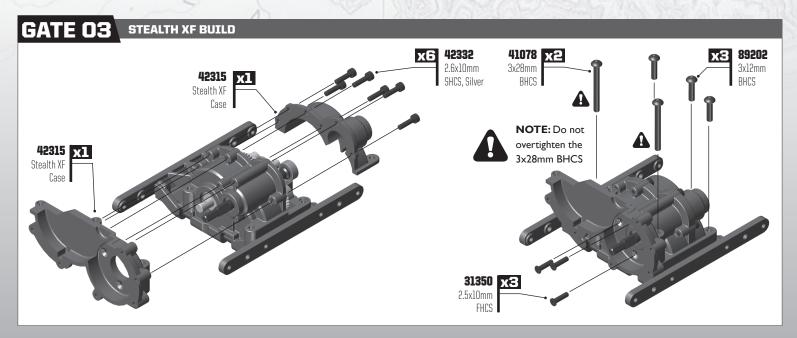


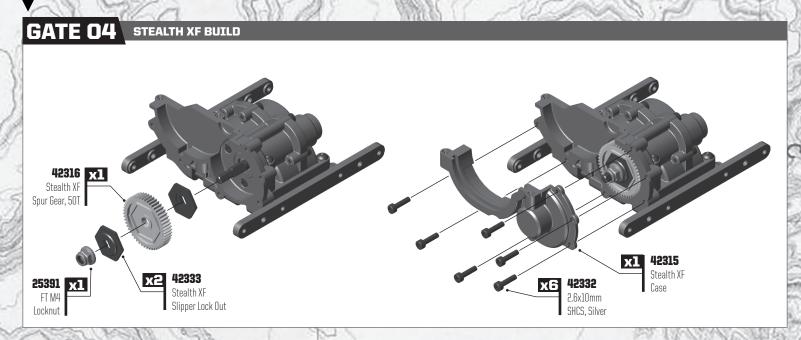
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.

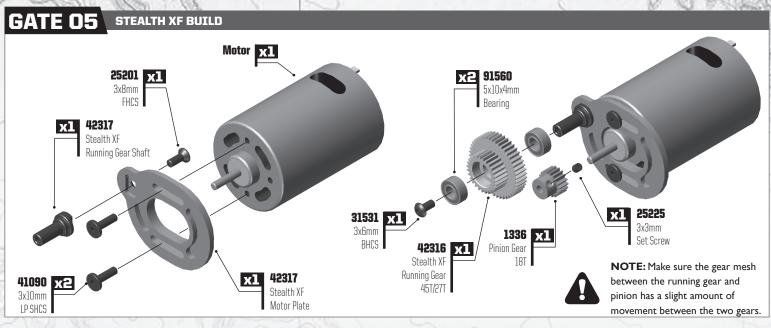


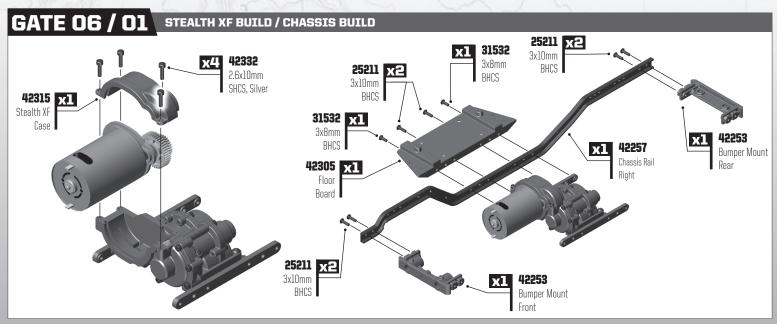




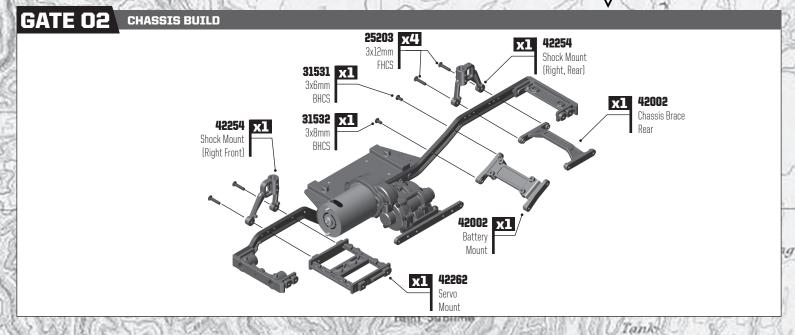


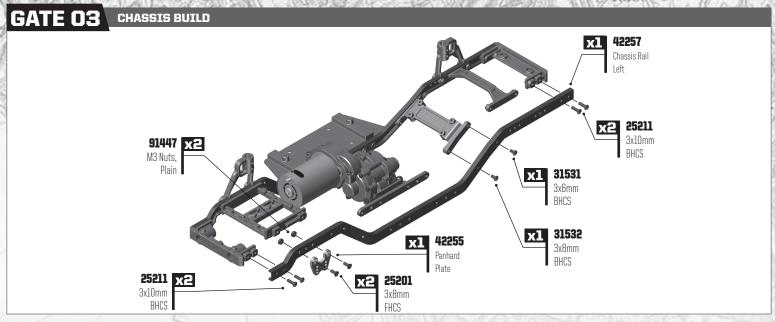


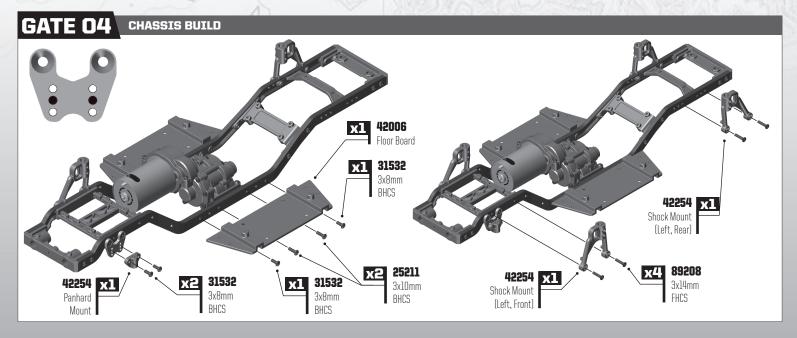


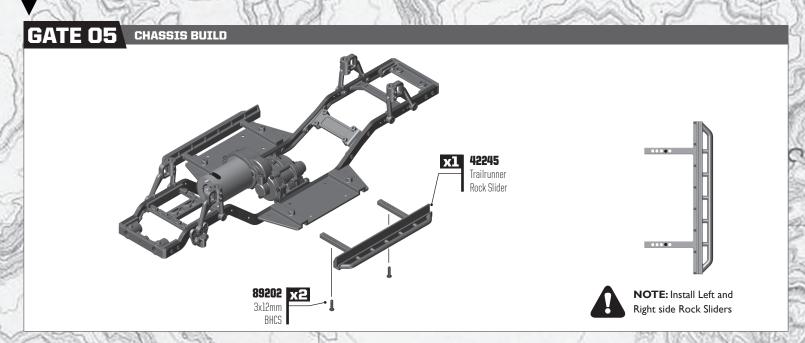


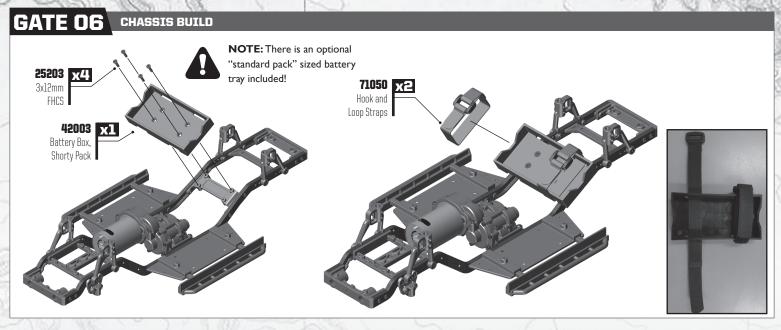


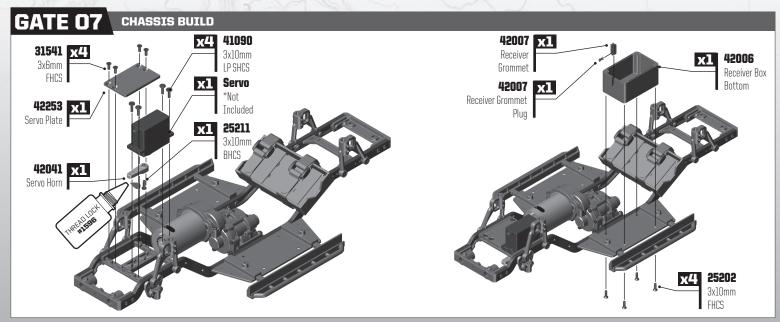




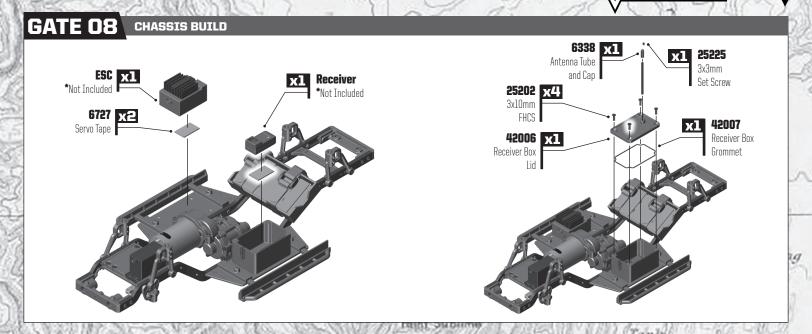


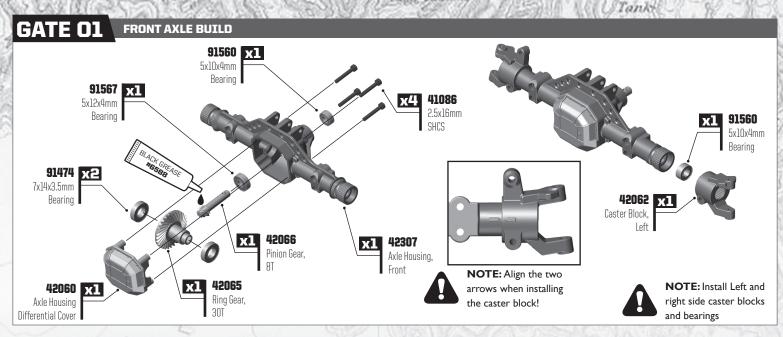


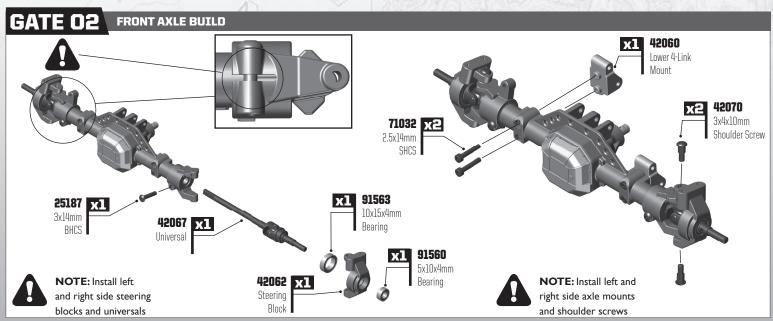


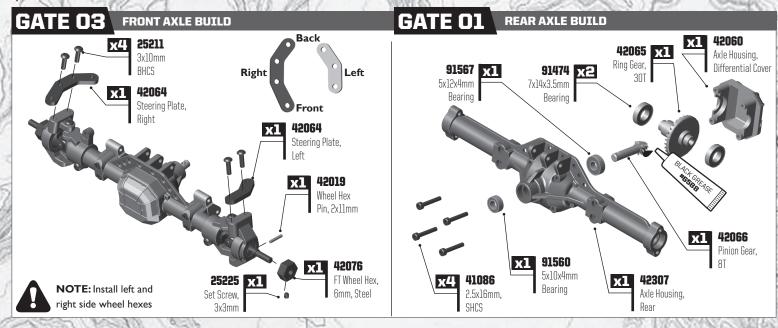


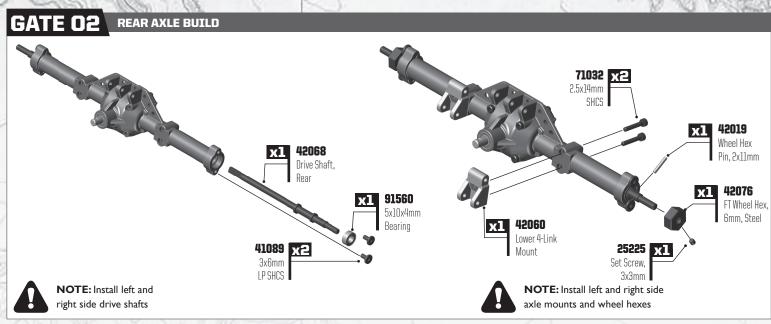


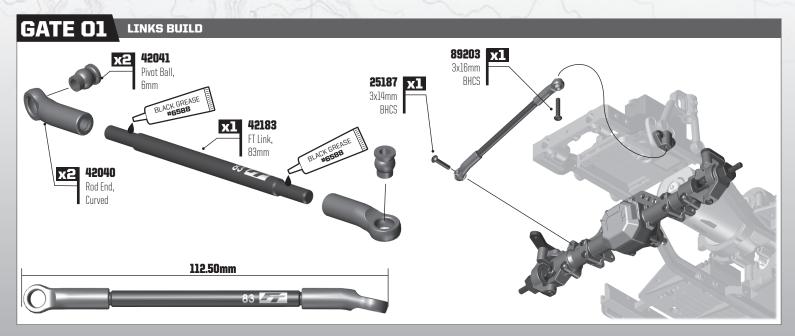




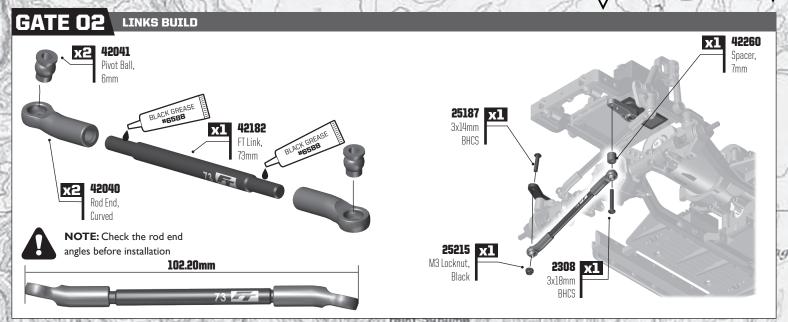


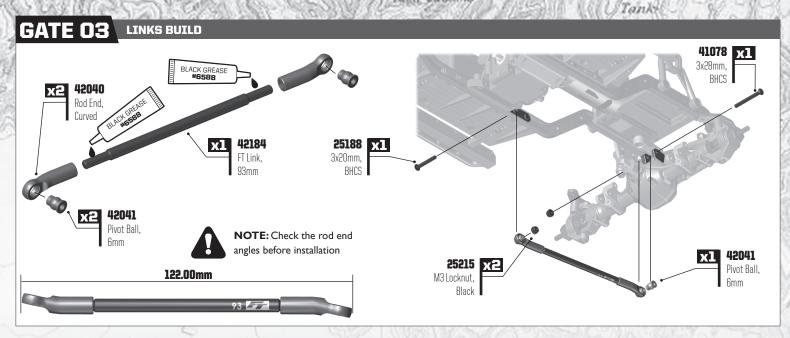


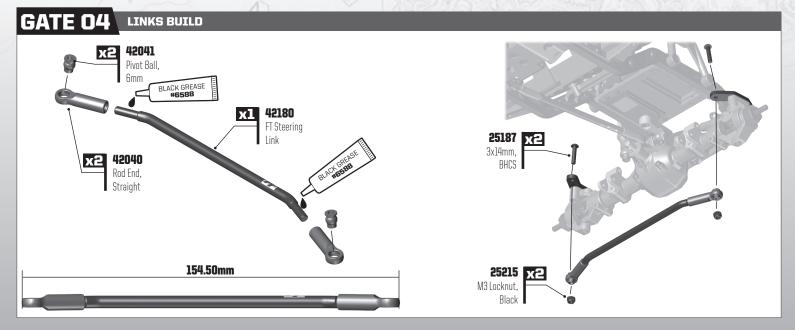


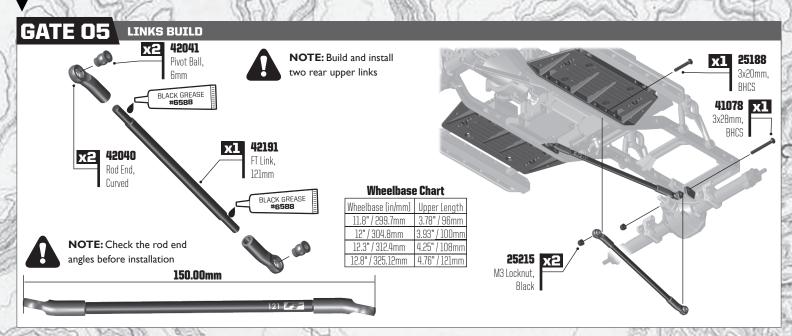


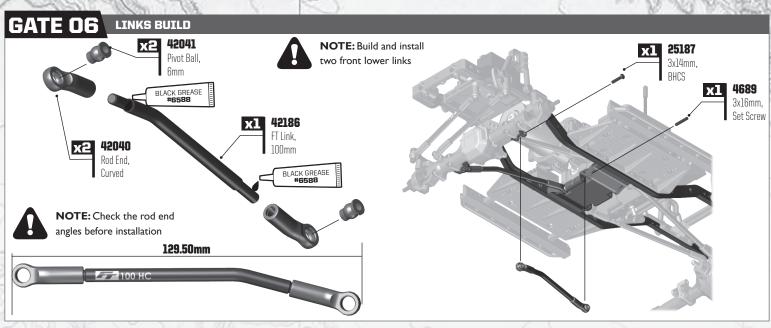


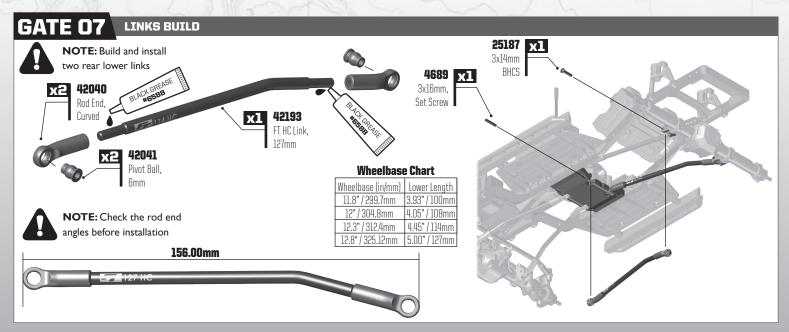




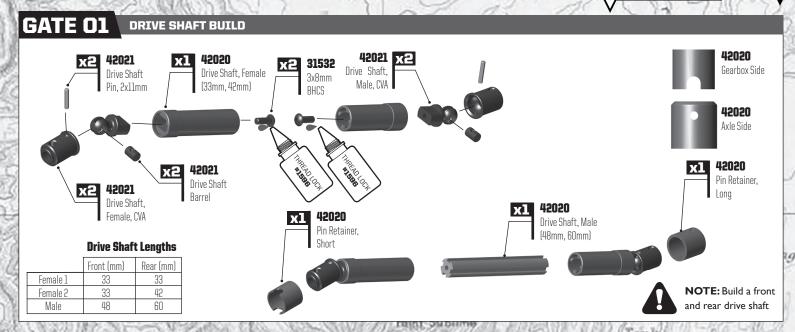


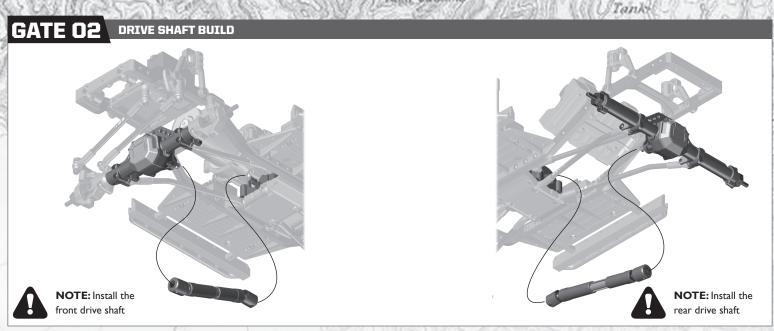


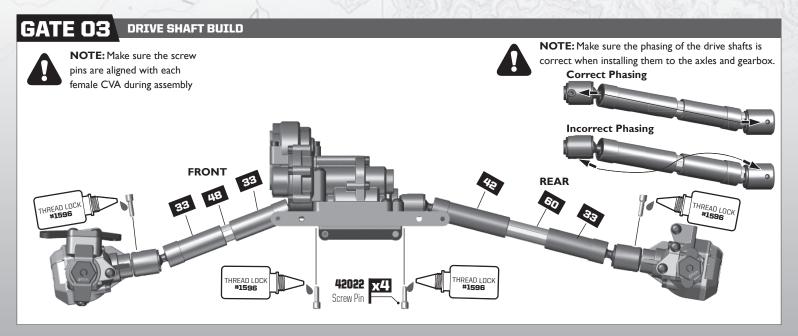


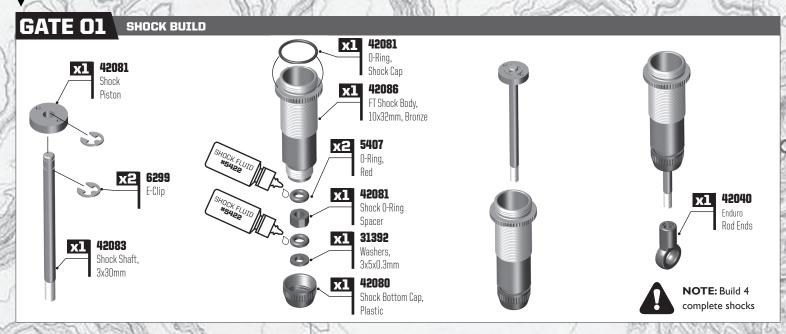


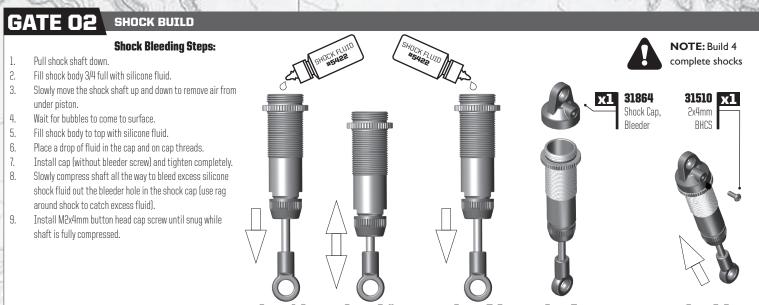


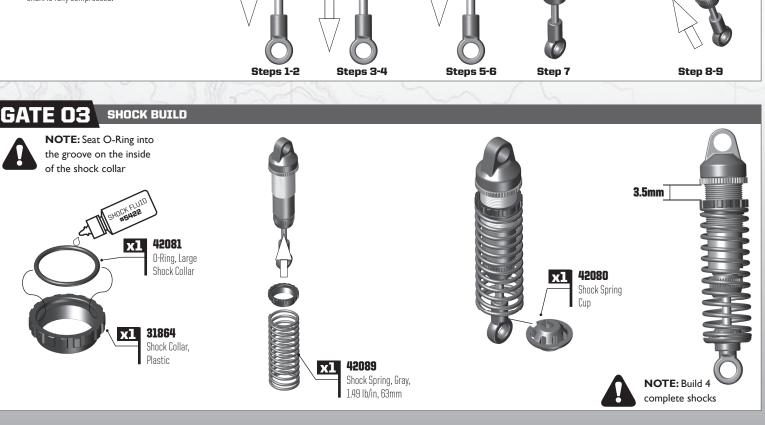




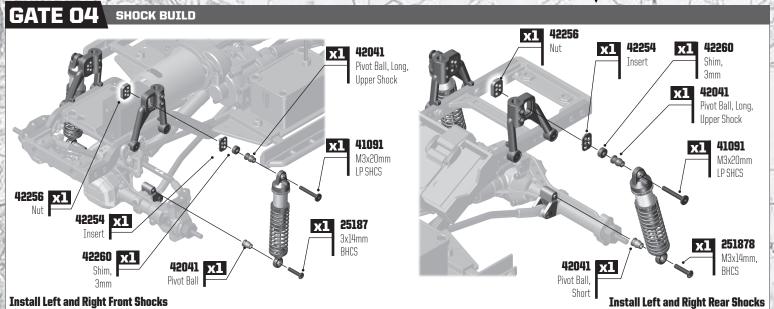


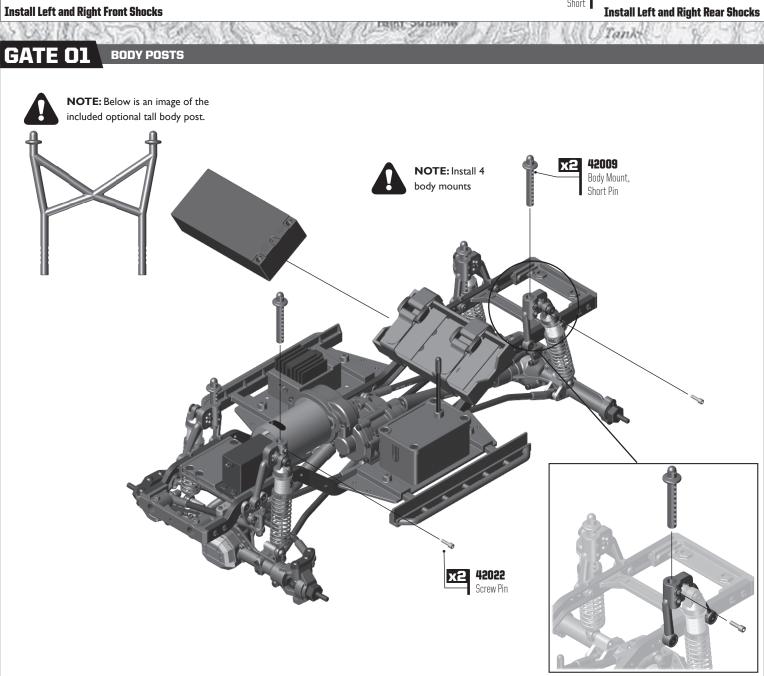












GATE 01

STEALTH X: BUILD CONFIGURATION: MOTOR MOUNT FACING REAR (STOCK)



OVERDRIVE:

Overdrive is a scenario where the front and rear wheels do not rotate at the same speed. The Stealth XF gearbox is designed to allow the front wheels to spin faster than the rear wheels. Overdrive is advantageouse when climbing up rock faces because the front tires will want to pull the vehicle up the rock. On desents, the rear tires rotating slower than the front tires will help keep the chassis more stable and keep the rear tires planted on the ground.

Stealth XF:

The Stealth XF gearbox comes factory assembled with no overdrive (1:1).

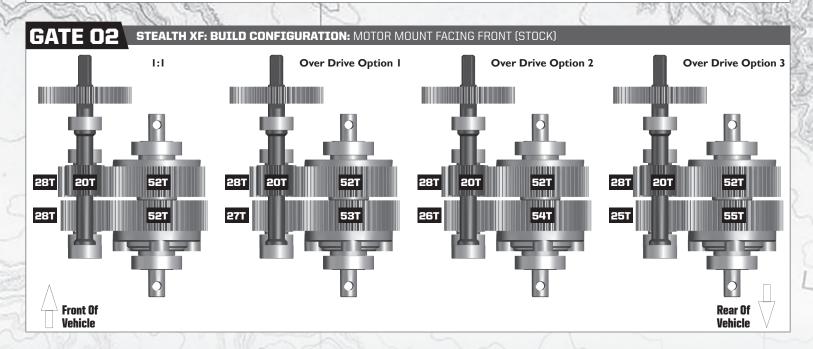
With additional parts, the Stealth XF gearbox allows the driver to change the front to rear drive ratios with 3 separate ratio adjustments to the rear drive shaft.

Items Needed for OVERDRIVE:

#42025, #42027, #91563, #42026 -OR- #42031, #42028 -OR- #42032

Please Note:

The 20T top shaft, 28T idler gear, and 52T drive gear will always be meshed together in all 3 gearbox configurations.



LINKS: WHEELBASE CHART - PARTS NEEDED WHEELBASE CHART 73mm **WB** FRONT UPPER FRONT LOWER REAR UPPER 100mm 111.8 93mm 93mm 100mm 83mm #42184 #42185 #42184 #42185 #42186 #42186 100mm 12.0" 93mm 100mm 108mm 93mm #42184 #42185 #42185 #42187 #42186 #42188 96mm 93mm 100mm 108mm 114mm #42184 #42187 #42189 #42185 #42186 #42190 100mm 12.81 100mm 93mm 121mm 127mm #42184 #42185 #42191 #42192 I08mm #42186 #42193 **Items Needed for Links:** II4mm #42040 - Rod Ends Panhard Links [CMS]: Servo on Axle Links 121mm Panhard - #42183 [SOA]: Steering Input - #42182 Links - #42323 127mm Steering Link - #42180 Steering Link - #42180



TRAIL TIPS AND CHECKLIST

PREPARING TO HIT THE TRAIL:

When preparing to hit the trail, it's a good idea to have a checklist to make sure you have everything and don't end up having to head back early. We've compiled a checklist of the things we think you'll need on the trail. We've also left some space for you to add your specific items to the list. Keep in mind these are suggestions and every person will require different items. Weather and altitude will also dictate how much food and water a person will require. Do a little research first before heading out for a full day on the trail.

☐ Truck with charged battery
□ I-2 spare charged batteries for your rig
□ Radio with charged batteries
□ Spare radio batteries
☐ Check all nuts and screws and tighten them. Including wheel nuts!
☐ Spare parts (nuts, screws, body clips, and anything that may wear or break)
Backpack
□Water (2 liters per person minimum)
□ Snacks (protein bars, trailmix, etc.)
☐ Sturdy shoes (hiking boots preferably or something with grip and ankle support)
Element hat or beanie
☐ Element hoodie or jacket
Sunscreen
□ Bug spray
□ Lip balm
□ Nut drivers (Factory Team nut drivers #1507, 1508)
□ Allen wrenches (Factory Team hex driver set #1650)
□Cell phone and charger
☐ Headlight or flashlight with spare batteries
□Compact action camera
□Camera
□Tripod
<u> </u>
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TREAD LIGHTLY:

Remember, when driving your rig out on the trails, it's important to tread lightly. We all know that the best place to enjoy our hobby is out in nature, and that means we need to preserve it for future hobbyists so we all have a place to enjoy. Here are a few tips to remember when out on the trail.

• Pack In/Pack Out:

Don't leave anything behind, whether it's trash, parts, or food. If you brought it, take it with you.

• National and Public Parks:

If visiting a national park, leave the RC cars at home. It is illegal to drive any radio control vehicle within national park boundaries. Public parks are slightly different, some may allow radio control cars and others may not. Check with your local officials before driving in a public park.

• Be Considerate:

Wherever you drive your radio-control car, always be considerate of others. Hikers, bicyclists, and animals should always be given the right of way.

• Keep It Quiet:

If you're sharing an area with other people, try to keep the noise to a minimum. If you come across animals or anglers, please be considerate and give them space.

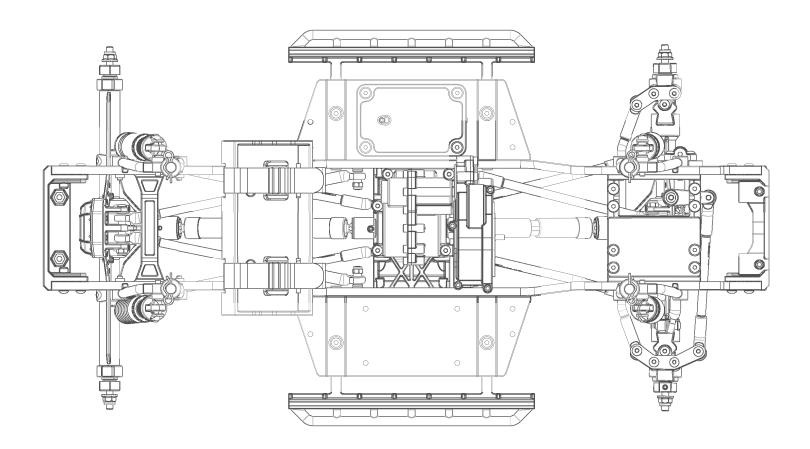
Give A Hoot, Don't Pollute:

When enjoying the outdoors, take your trash with you. Not only is it bad for the environment, it's unsightly. If you see trash, pick it up, even if it isn't yours. If we all do our part, we can work together to keep our planet beautiful for future generations.

• Only You Can Prevent Wild Fires:

Some of us like to mix camping with RC cars. This is great! Just remember to follow all safety precautions and put out any camp fires before calling it a night. Also, be sure to unplug and **store all LiPo batteries in LiPo sacks and a fire resistant storage device**.







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