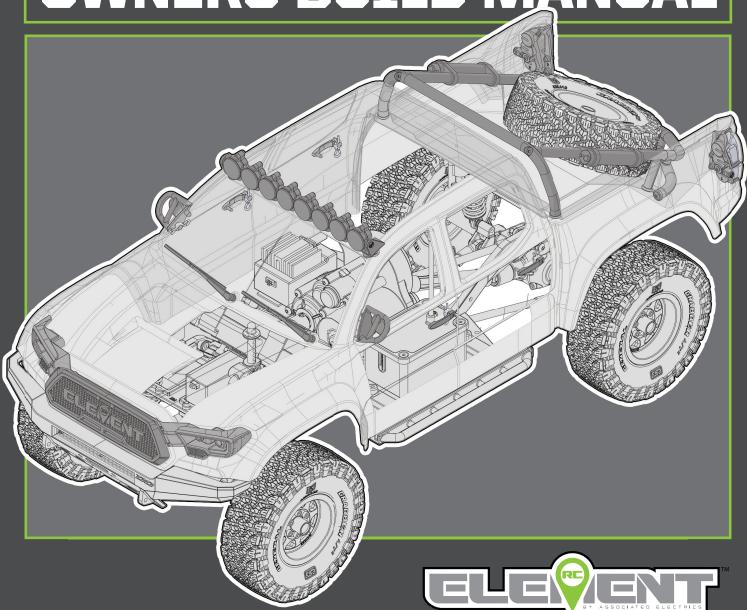




OWNERS BUILD MANUAL







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

> Customer Service Tel: 949.544.7500 Fax: 949.544.7501

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AREA 51 is a Registered Trademark of Associated Electrics, Inc.

STEALTH is a Registered Trademark of Associated Electrics, Inc.

GREEN SLIME is a Registered Trademark of Associated Electrics, Inc

ITEMS NEEDED

The following items are required to build or maintain your Enduro Trail Truck.

- I.5mm Allen Wrench (#1500)
- 2mm Allen Wrench (#1501)
- 2.5mm Allen Wrench (#1503)
- Pliers
- Long Nose Pliers
- 5.5mm Nut Driver (#1507
- 7mm Nut Driver (#1508)

OTHER HELPFUL ITEMS

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

- Threadlock (#1596)
- Green Slime (#1105)

Your journey begins here.



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 TRAIL TRUCK

A performance rig built to endure. When hitting the trail, you want to do it with confidence and the answer is the all new Enduro Trail Truck!

At the heart of the Enduro is our revolutionary Stealth® X gearbox. Although the exterior appears to have a conventional 3-gear transmission look, the inside is far from conventional. The Stealth® X features the ability to adjust the rear drive ratio independently of the front drive across three levels: stock overdrives the front end 5.7% (installed in RTR), option I provides a one-to-one drive ratio front-to-rear (available separately), and option 2 overdrives the front end I1.83% (included with RTR).

Feeding the power to the tires are 3-piece telescopic driveshafts with an extruded aluminum center section, universal front drive axles, and hardened steel ring and pinion gears. With the Enduro drivetrain, delivering useful power will not be an issue.

We relocated the steering link assembly from the conventional location, to behind the axle (BTA). This feature greatly improves approach angle and front end clearance, making rough terrain much easier to handle.

The Enduro Trail Truck comes ready for adventure right out of the box. It comes equiped with a Reedy Power high-torque metal gear servo. The all-new, ultra-smooth and powerful, I6-turn 5-slot brushed crawler motor and Fly Sky 2.4GHz multi-channel ESC / receiver combo supply ample power to this tough rig.

With all this packed in one box, we know the Enduro Trail Truck is ready for the trail... Are you?

FEATURES

- Stealth X Gearbox with adjustable overdrive gears
- BTA steering [Behind the Axle]
- CMS [Chassis Mounted Servo]
- Integrated servo winch mount
- Adjustable front track barUniversal front drive axles
- Stamped steel C-Channel frame
- Enclosed receiver box
- 12mm wheel hexes
- Adjustable front and rear bumper mounts
- Adjustable width rock sliders
- Two battery boxes (Shorty and regular size!)
- Threaded aluminum shock bodies
- Aluminum steering plates
- $\bullet \ Aluminum \ motor \ plate$
- Adjustable body posts
- Optimized rod ends for more fluid axle articulation

- Adjustable rear shock mount positions
- Telescopic driveshaft's front and rear
- Extruded aluminum driveshaft splines
- · One-piece rear axle design
- Splined front axle with adjustable caster
- Machined input pinion gear
- Metal ring gear
- Machined steel top shaft
- Metal idler gears
- Heavy duty 5mm diameter steel links
- Precision metal ball bearings included
- Steel servo horn
- Licensed 1.9"x4.19" General Grabber A/TX tires

ELECTRONICS:

- Water resistant 2S-3S LiPo compatible Fly Sky 2.4GHz multichannel combo electronic speed control and receiver
- Smooth and powerful Reedy
 Crawler 16T 5-slot brushed motor
- Reedy high-torque metal gear servo

BODY FEATURES:

- Body thermoformed in highstrength polycarbonate
- One-piece cab and bed design
- Clear windows
- Molded grill
- Replaceable headlight / taillight lenses
- Side mirrors
- Headlights / taillights are LED compatible
- · Adjustable front bumper

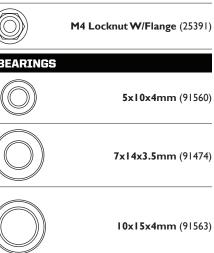
HARDWARE 1:1 SCALE VIEW HARDWARE USED WITH OPTIONAL REPLACEMENT PART NUMBERS

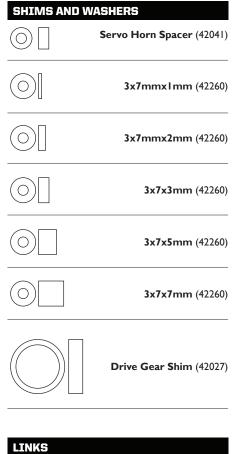
	(FHCS)
	2.5x10 mm (31350
	2.5x14mm (41077
	3x8mm (25201
	3x10 mm (25202
	3x12 mm (25203
	3x14mm (89208
	3x20mm (89210
	3x24 mm (89233
SOCKET HEAD SCRE	EWS (SHCS)
	2x5mm (31511
	2x8mm (7187
	2.5x6mm (41079
	2.5×8 (89222
	2.5×10 (41087
	2.5×14 (71032
	2.5×16 (41086
LP SOCKET HEAD SO	CREWS (LP SHCS)
	3x6mm (41089
	3x10 mm (41090
	3x20 mm (41091
SET SCREWS	
	3x3mm (25225
	3x16mm (4689
MISC. SCREWS Shoulder Scr	rew 3x4x10 mm (42070
	Scrow Bin (42022
_	Screw Pin (42022

LEVV HARDWARE US	ED MITH OPTIONAL
BUTTON HEAD SCREW	NS (BHCS)
	2.5x10 mm (41088)
	3x5 mm (31530)
	3x6mm (31531)
	3x8mm (31532)
	3x10mm (25211)
	3x12mm (89202)
	3x14mm (25187)
	3x16mm (89203)
	3x18mm (2308)
	3x20 mm (25188)
	3x22 mm (25189)
	3x24 mm (89204)
	3x28mm (41078)
PIVOT BALLS	
Pivot Ball, 6mm (420	
FT Piv	rot Ball, 6mm (42056)
Pivot Ball.	Upper Shock (42041)

LAVOI	
	Pivot Ball, 6mm (42041) FT Pivot Ball, 6mm (42056)
	Pivot Ball, Upper Shock (42041)
	FT Pivot Ball, Upper Shock (42055)

LOCK NUTS		
	M3 Nuts M3 Locknuts Aluminum	(25215)
	M4 Locknut W/Flange	(25391
BEARINGS		





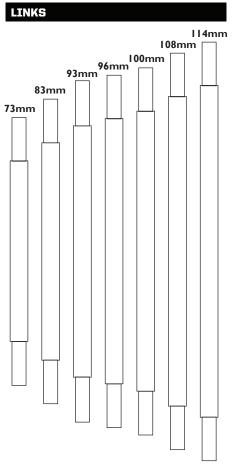


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7/17/2023

COVER

INTRODUCTION

1:1 HARDWARE "FOLD OUT"

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CHASSIS BUILD (BAG 1, 2)

ELECTRONIC MOUNTS BUILD (BAG 3)

GEARBOX BUILD (BAG 4)

FRONT AXLES BUILD (BAG 5)

REAR AXLES BUILD (BAG 6)

LINKS BUILD (BAG 7)

DRIVESHAFTS BUILD (BAG 8)

SHOCKS BUILD (BAG 9)

BUMPERS BUILD (BAG 10)

WHEELS/TIRES BUILD

BODY BUILD (BAG 11)

WHEELBASE CHART

OPTIONAL GEARBOX BUILD

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



Adhesive should be applied. *not included



This symbol indicates where Shock Fluid should be applied.

This symbol indicates

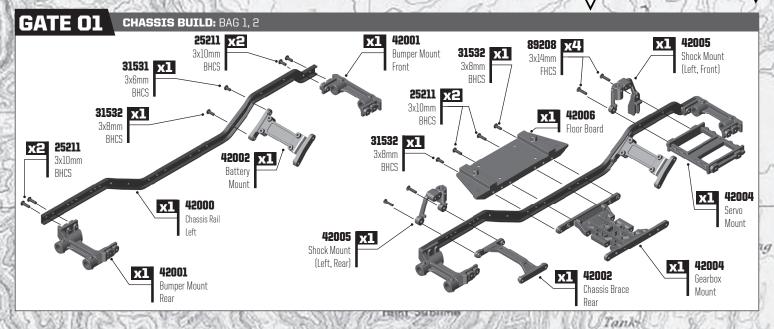
where Thread Lock

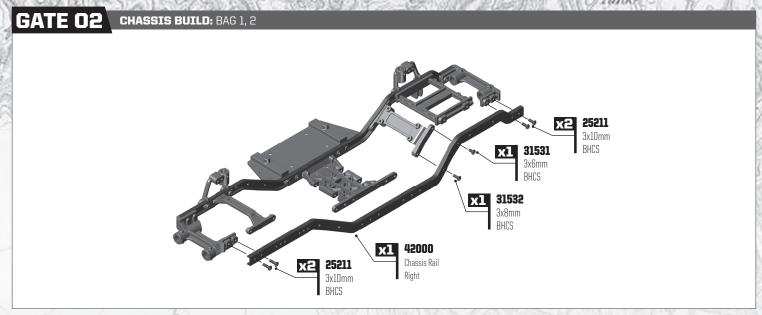


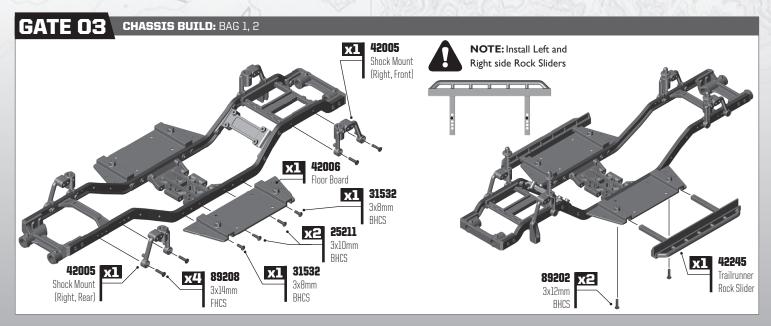
There is a 1:1 hardware foldout page in the front of the manual. To check the size of a part, line up your hardware with the correct drawing until you find the exact size. Each part in the foldout has a number assigned to it for ordering replacement parts.

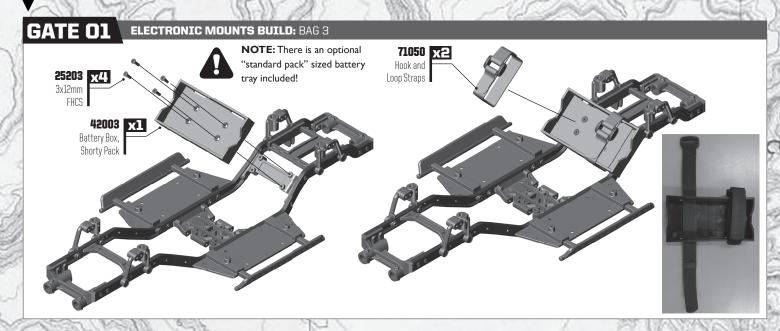


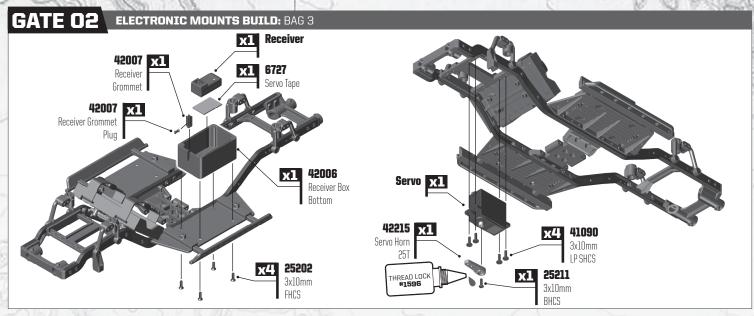


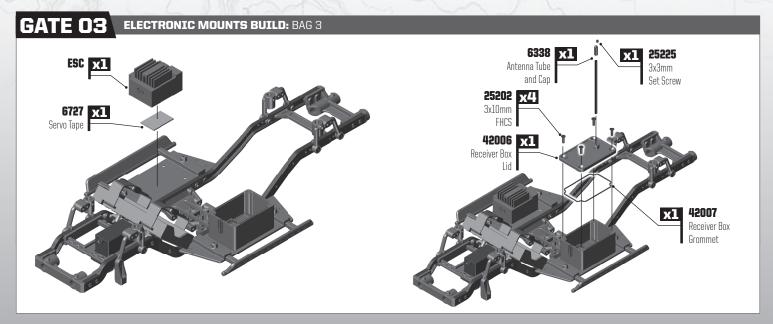




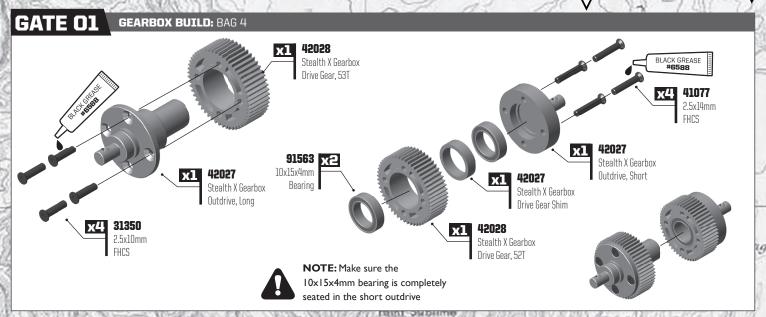


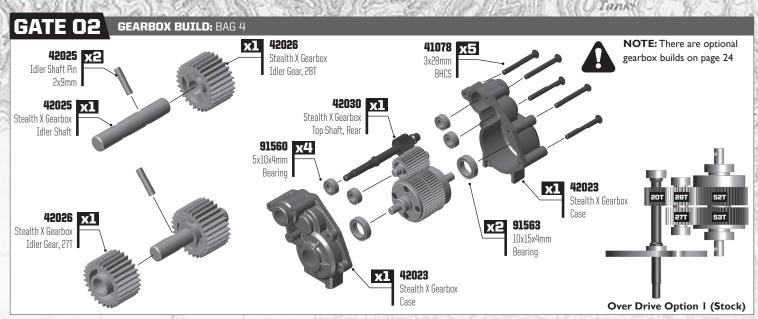


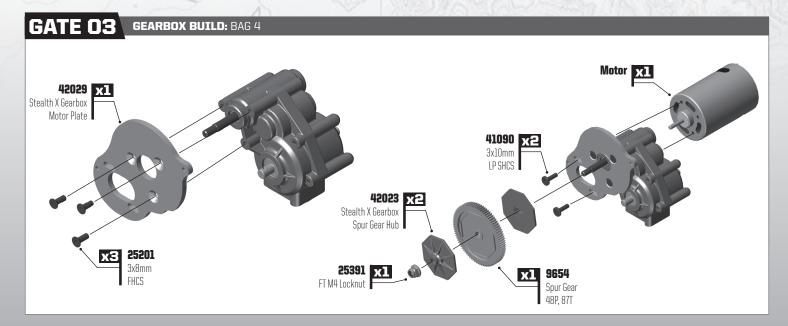




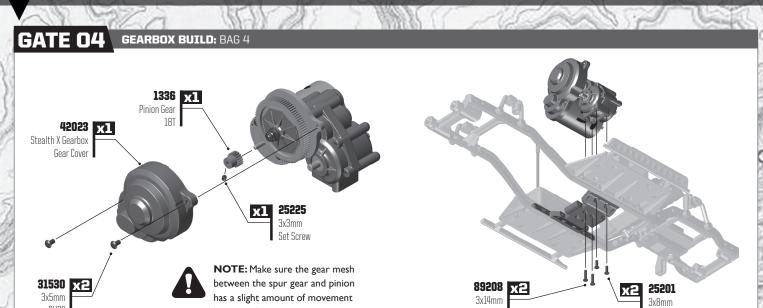








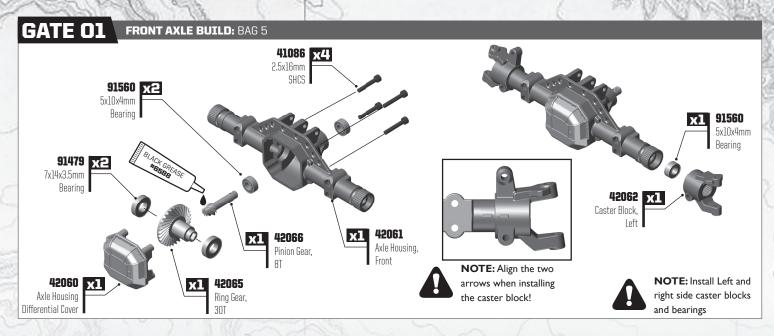
BHCS

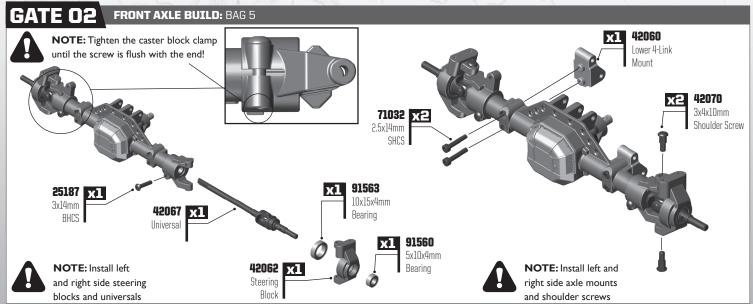


FHCS

FHCS

between the two gears.





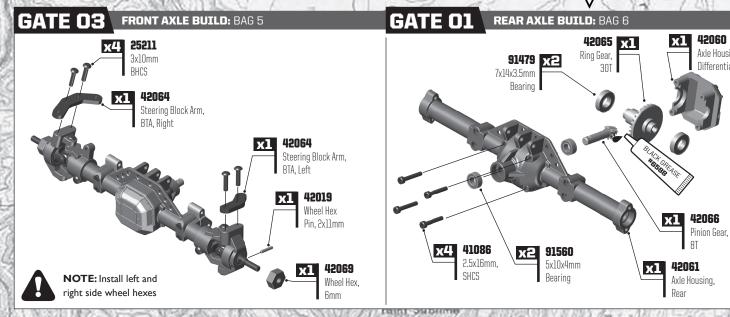


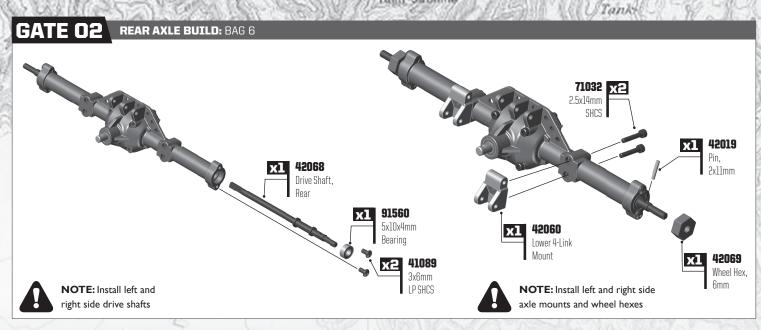


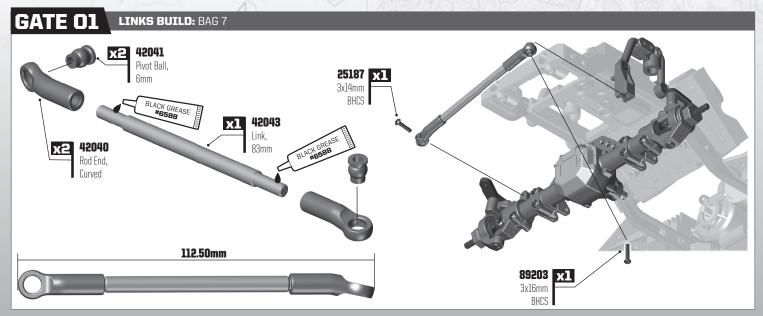
42060

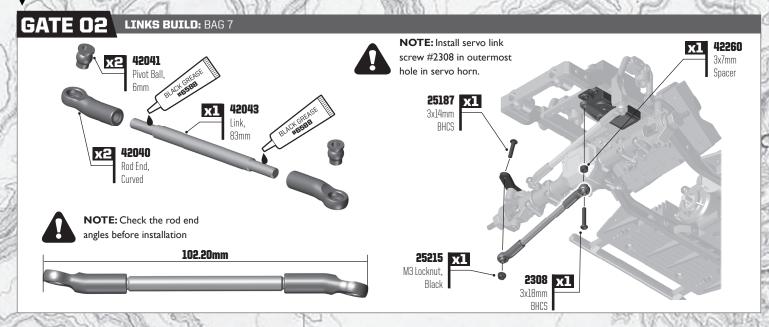
Axle Housing,

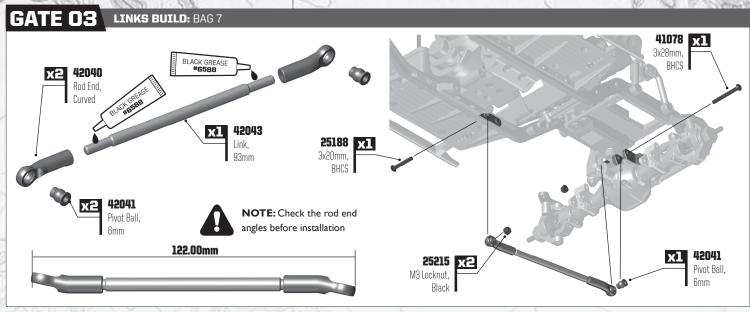
Differential Cover

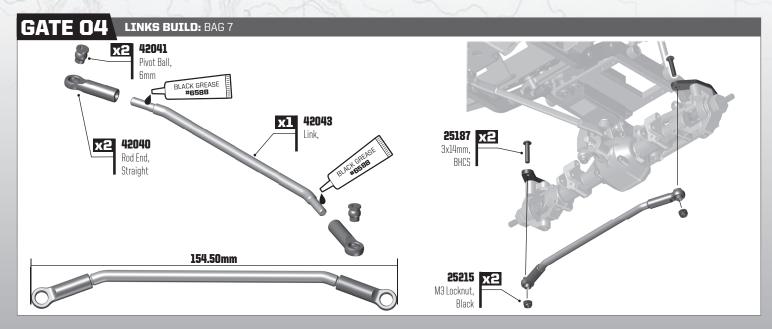




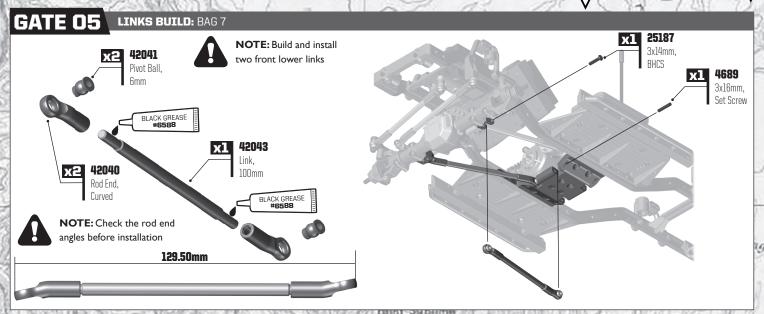


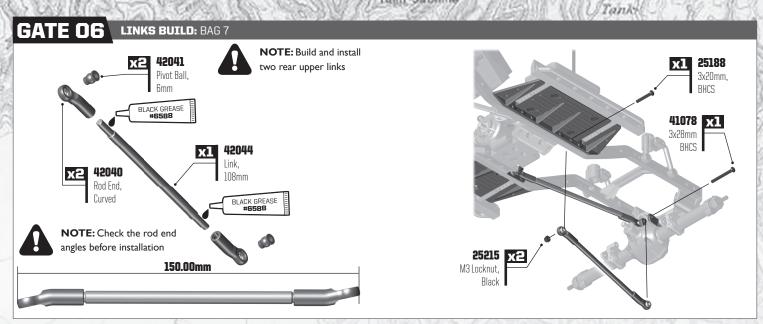


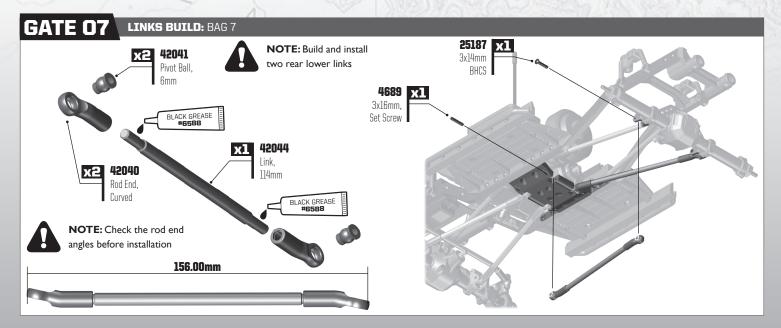


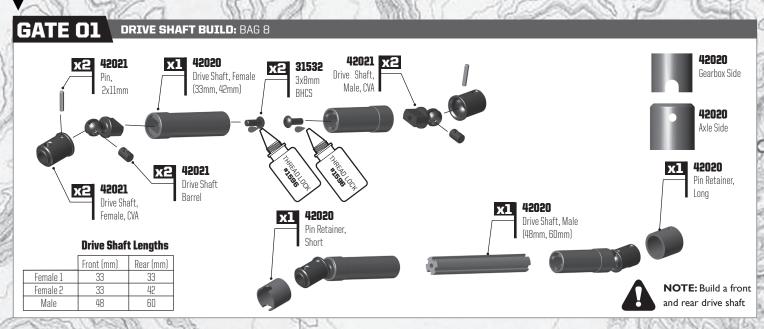


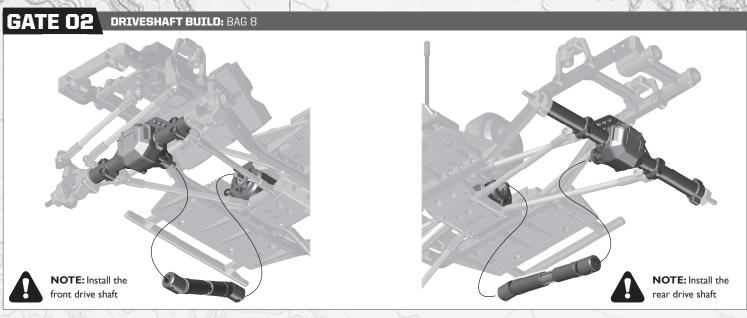


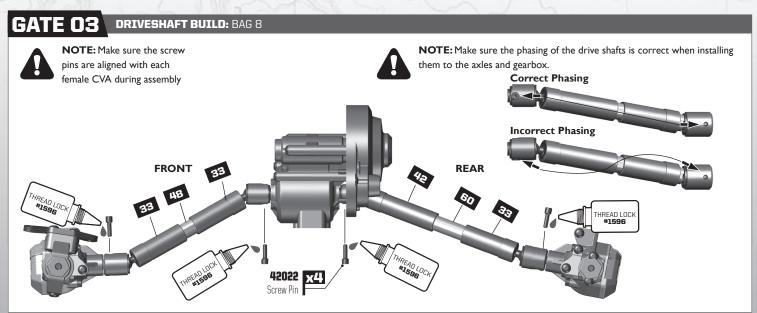




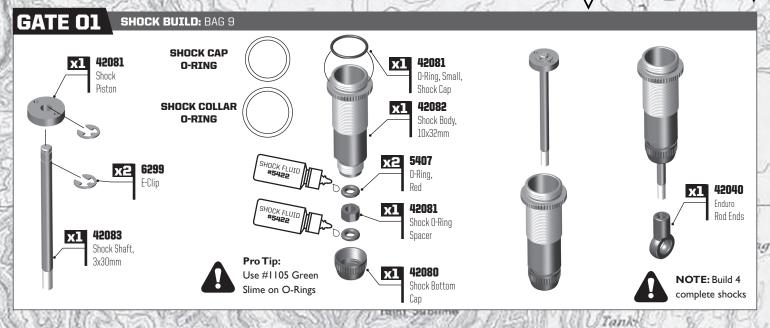








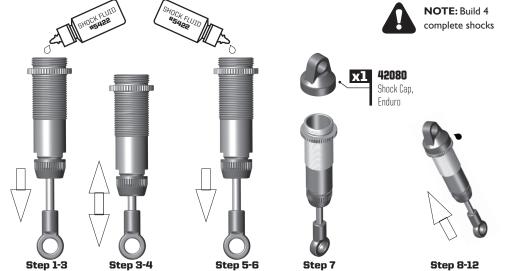


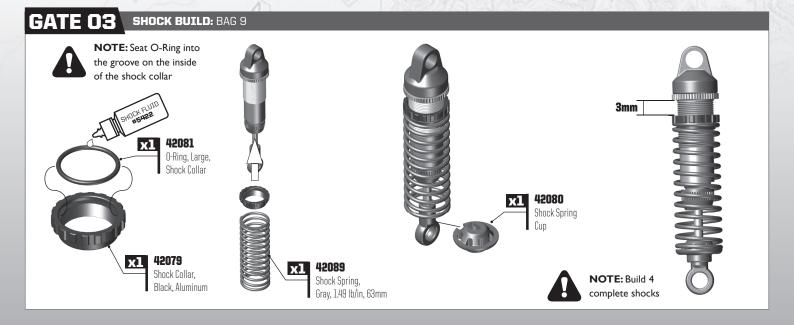


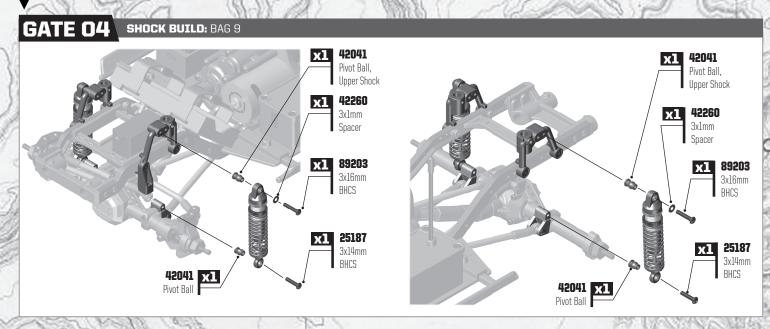
SATE 02 SHOCK BUILD: BAG 9

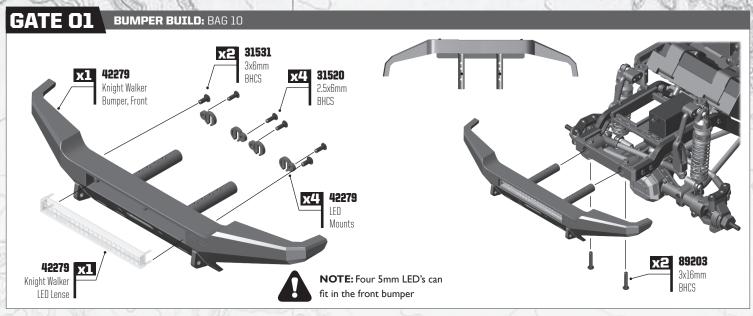
Shock Bleeding Steps:

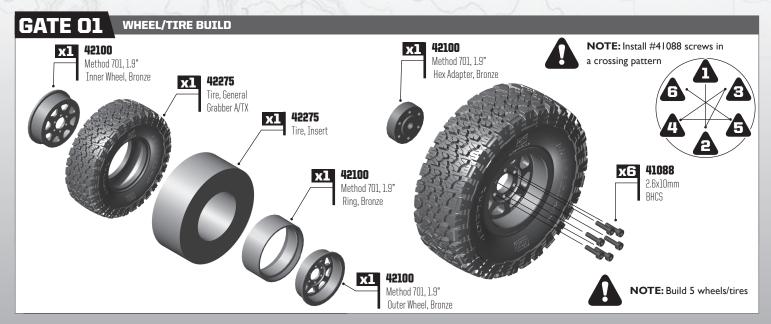
- 1. Pull shock shaft down.
- Fill shock body 3/4 full with silicone fluid.
- 3. Slowly move the shock shaft up and down to remove air from under piston.
- 4. Wait for bubbles to come to surface.
- 5. Fill shock body to top with silicone fluid.
- 6. Place a drop of oil in the cap and on cap threads.
- 7. Install cap and tighten completely.
- Slowly compress shaft all the way to the top. If there is pressure at the top of the stroke, there is too much oil or air. You must bleed it out.
- 9. Slowly pull shaft out.
- 10. Unscrew the cap 3/4 turn and tilt the shock at a slight angle.
- 11. Slowly compress the shaft to push out excess oil and air.
 You should see bubbles coming out from under the cap.
- 12. With the shaft compressed, tighten the cap and re-check for pressure at the top of the stroke. If there is still pressure, repeat steps 9 thrull.





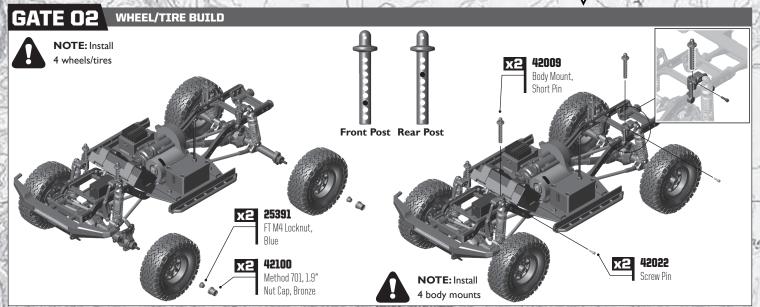


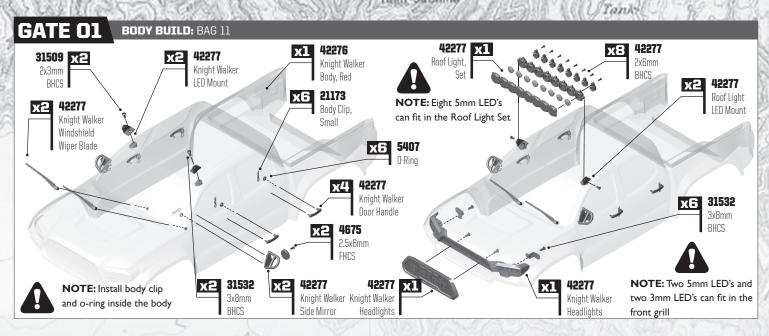


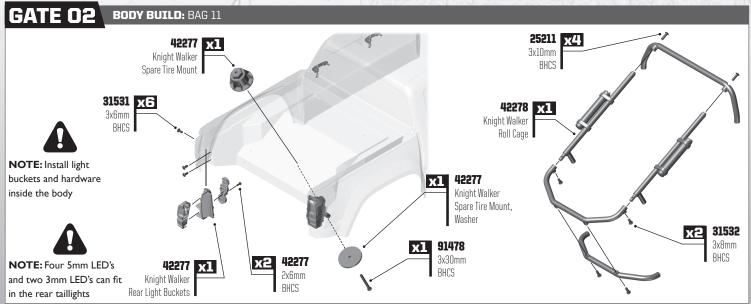




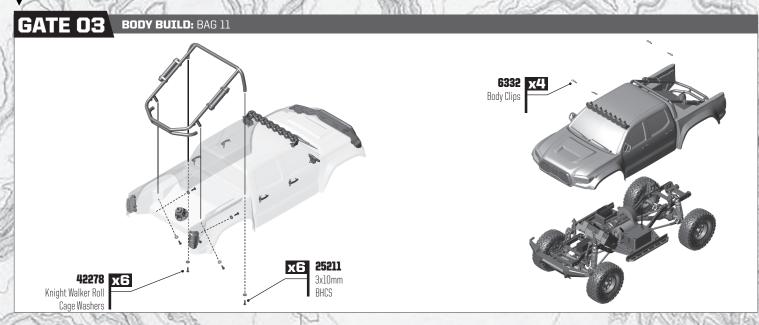


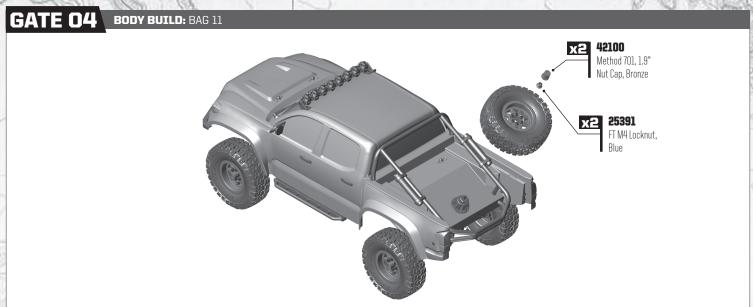


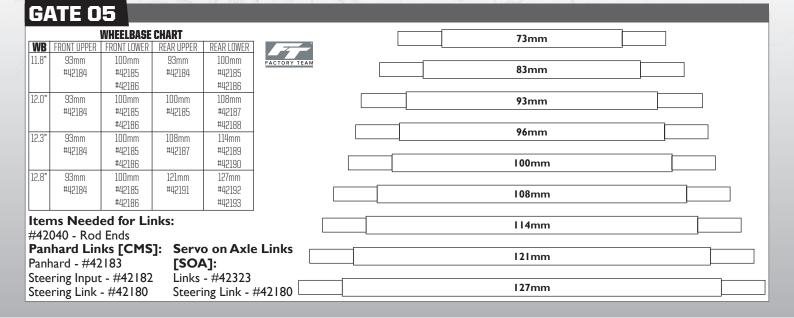














GATE 01

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



OVERDRIVE:

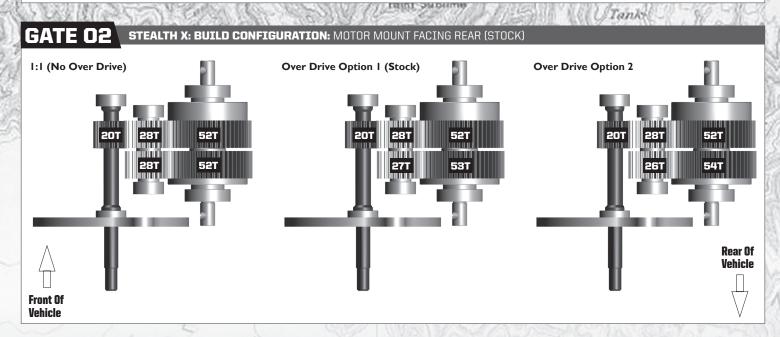
Overdrive is a scenario where the front and rear wheels do not rotate at the same speed. The Stealth X gearbox is designed to allow the front wheels to spin faster than the rear wheels. Overdrive is advantageouse when climbing up rock faces because the front tires will want to pull the vehicle up the 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.

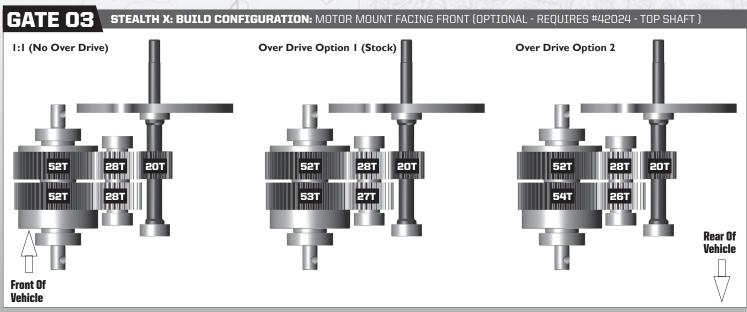
Stealth X:

The Stealth X gearbox allows the driver to change the front to rear drive ratios with 3 separate ratio adjustments to the rear drive shaft. The driver has the option to flip the gearbox direction (motor mount facing the front) the optional inverse top shaft (#42024) is required.

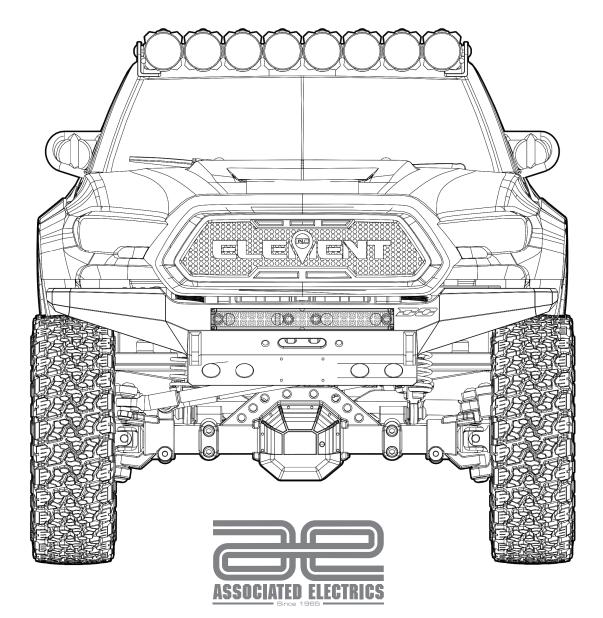
Please Note:

The 20T top shaft, 28T idler gear, and 52T drive gear will always be meshed together in all 6 gearbox configurations.









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