

READY-TO-RUN

PRO-LINE

AMBUSH 4x4

MINI SCALE CRAWLER



USER MANUAL

PRO-LINE AMBUSH 4x4

1:25 MINI SCALE CRAWLER RTR

Thank you for purchasing Pro-Line's Ambush Mini Scale Crawler! For Over 30 years, Pro-Line has designed and manufactured the best RC products in the world. This crawler has been developed from the

ground up to be fun, reliable, and easy to use. Thank you for choosing the Ambush Mini Crawler and joining Team Pro-Line in making history!

This manual contains instructions for operating your Ambush Mini Scale Crawler. Please take time to familiarize yourself with the procedures for running and maintaining your RC vehicle.

Pro-Line is continually improving our products; consequently, actual parts included in the Ambush Mini Crawler may appear slightly different than the images in this manual.

RECOMMENDED TOOLS



1.3mm or .050" HEX



1.5mm HEX

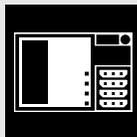


LONG NOSE PLIERS

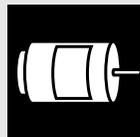
INCLUDED EQUIPMENT



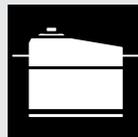
TRANSMITTER



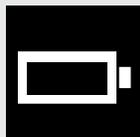
ESC/RECEIVER



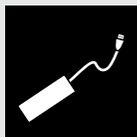
MOTOR



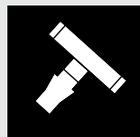
SERVO



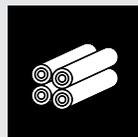
LI-ION BATTERY



LI-ION CHARGER



WRENCH



AA BATTERIES

PRECAUTIONS

To prevent serious personal injury and/or property damage, operate all remotely controlled models in a responsible manner as described herein.

Choose the right place to operate your RC model:

- Do not run RC vehicles on public streets or highways
- Never run RC vehicles near people or animals
- Do not run RC vehicles where noise can disturb others

Inspect your vehicle before operation:

- Make sure that all screws and nuts are properly tightened
- Always use fresh batteries in you transmitter
- Always test the throttle and steering before setting the vehicle on the ground

After operation of your RC vehicle:

- To prevent a runaway, turn off the vehicle first, then the transmitter

- Replace any battery that has puffed or been dented or has frayed wiring
- Keep your vehicle clean and free of excess dirt and debris
- Store your vehicle and battery in a place where a fire cannot spread

WARNING!

This is NOT a toy and is NOT suitable for children under 14 years of age. This RC vehicle contains many small parts which are potential choking hazards. Keep all components out of reach of small children.

HEALTH WARNING!

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. This RC vehicle is a high performance radio controlled model and can cause harm or personal injury. All liquids contained in this RC vehicle are not to be swallowed. Never touch rotating parts as this can cause injury.



SCAN FOR HELP

HELP AND INFORMATION

Installation manuals and videos can be found on our website at prolineracing.com/ambush. If you need any technical assistance or have questions please call our tech support line at: 1-800-899-RACE(7223) or (951) 849-9781.



SCAN TO REGISTER

REGISTRATION

Register your Ambush Mini Scale Crawler online at prolineracing.com/ambush/register or call 1-800-899-RACE(7223) or (951) 849-9781.

PRO-LINE AMBUSH 4x4

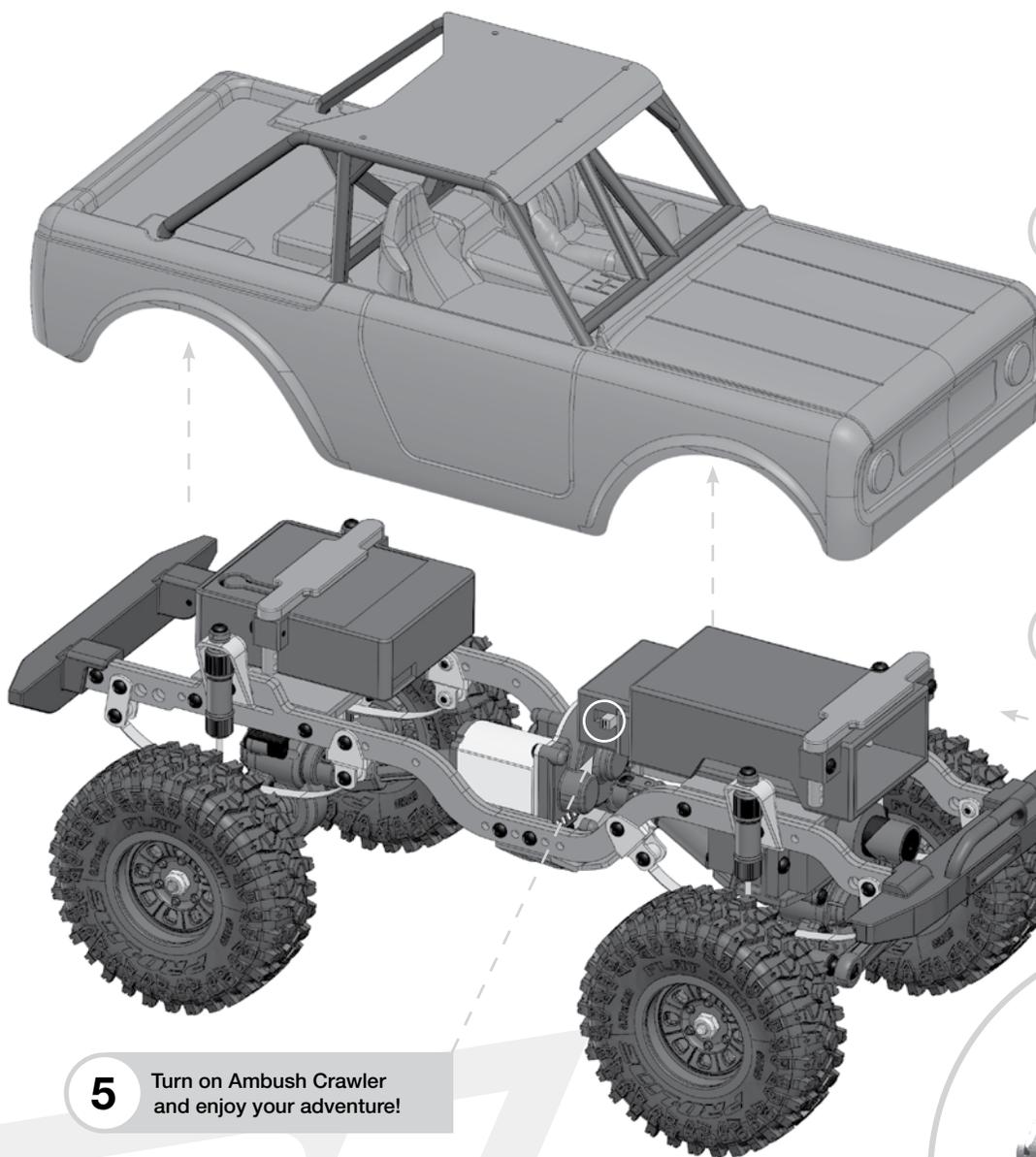
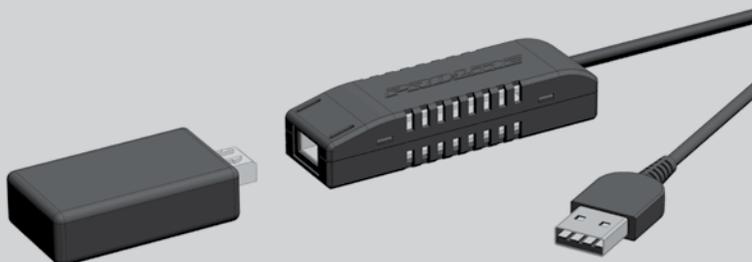
1:25 MINI SCALE CRAWLER RTR

GETTING STARTED

1

CHARGE LITHIUM BATTERY

1. Remove battery from Ambush Crawler
2. Plug USB charger into computer or other suitable 5V/2.1A USB power port
3. Plug battery into charger
4. Red LED light on charger will illuminate when charging begins
5. LED light will turn solid green when fully charged

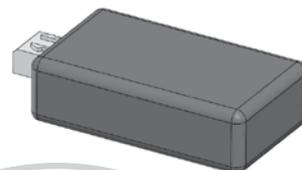


2

Remove body by pulling up to release Velcro®

3

Install battery



5

Turn on Ambush Crawler and enjoy your adventure!

4

Turn on transmitter



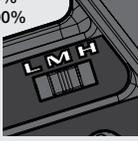
PRO-LINE AMBUSH 4x4

1:25 MINI SCALE CRAWLER RTR

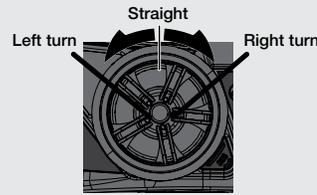
INSTRUCTION MANUAL FOR 2.4GHZ TRANSMITTER

Throttle Sensitivity

L : Throttle range: 50%
M : Throttle range: 70%
H : Throttle range: 100%



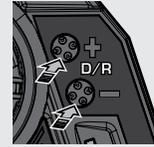
Steering Wheel



Antenna

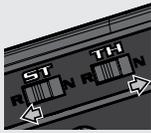


Steering Dual Rate (D/R)

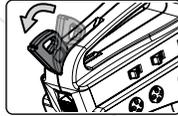


Adjust the steering travel with the Dual Rate buttons.

Steering and Throttle Reverse Switch



Flip-down lanyard ring



Battery Level Indicator



Solid red LED indicates full batteries

Solid green LED indicates connection to vehicle

Throttle Trim



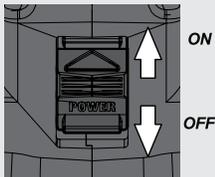
Adjust the throttle neutral point with throttle trim buttons

Steering Trim

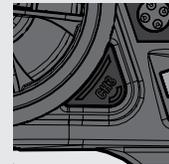


Adjust the steering neutral point with steering trim buttons

Power Switch



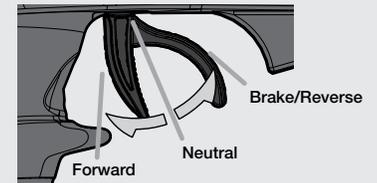
Third Channel (CH3)



Accessory Toggle (neutral- 1ms on- 2ms)

Throttle Trigger

To be used for throttle operation.



Battery Cover

HOW TO BIND TRANSMITTER

The transmitter should be paired to the vehicle from the factory. If it becomes unlinked for any reason, follow the instructions below to re-bind.

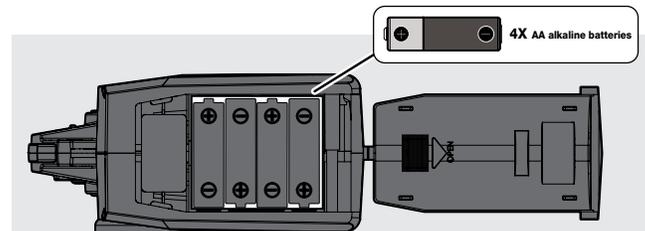
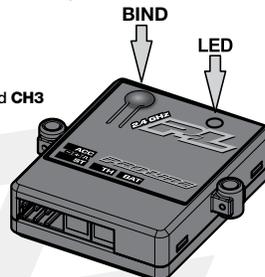
1. Press and hold the bind button on the receiver and turn the vehicle power on. The red LED should flash to indicate the receiver is in "seek" mode.
2. Press and hold the bind button on the back of the transmitter and turn the power on. The red LED on the transmitter should flash for a few seconds until binding is complete which is indicated by solid red LED's.

Throttle and Steering Calibration

1. Move the **ST** and **TH** switches to **N** on the transmitter.
2. On the transmitter, press **BIND** and Third Channel button marked **CH3** and wait 10 sec. After you hear two beeps, release the buttons.
3. Move the trigger to full throttle and wait for two beeps.
4. Move the trigger to full reverse and wait for two beeps, then move the trigger to neutral and wait for two beeps.
5. Turn the steering wheel to full left and wait for two beeps.
6. Turn the steering wheel to full right and wait for two beeps, then release the steering wheel and wait for the last two beeps. The throttle and steering are now fully calibrated.

Fail Safe Setting

1. Hold the vehicle up with the wheels off of the ground.
2. Turn the vehicle power on. Press and hold the **CH3** button on the transmitter, then turn transmitter power on. The fail safe throttle setting will be set to wherever the throttle trigger is when the **CH3** button is released.



Transmitter Battery Installation

Open battery cover at bottom of transmitter. Install batteries in the orientation shown on the inside of battery box.

! ATTENTION

Do not mix new and old batteries or batteries of different types



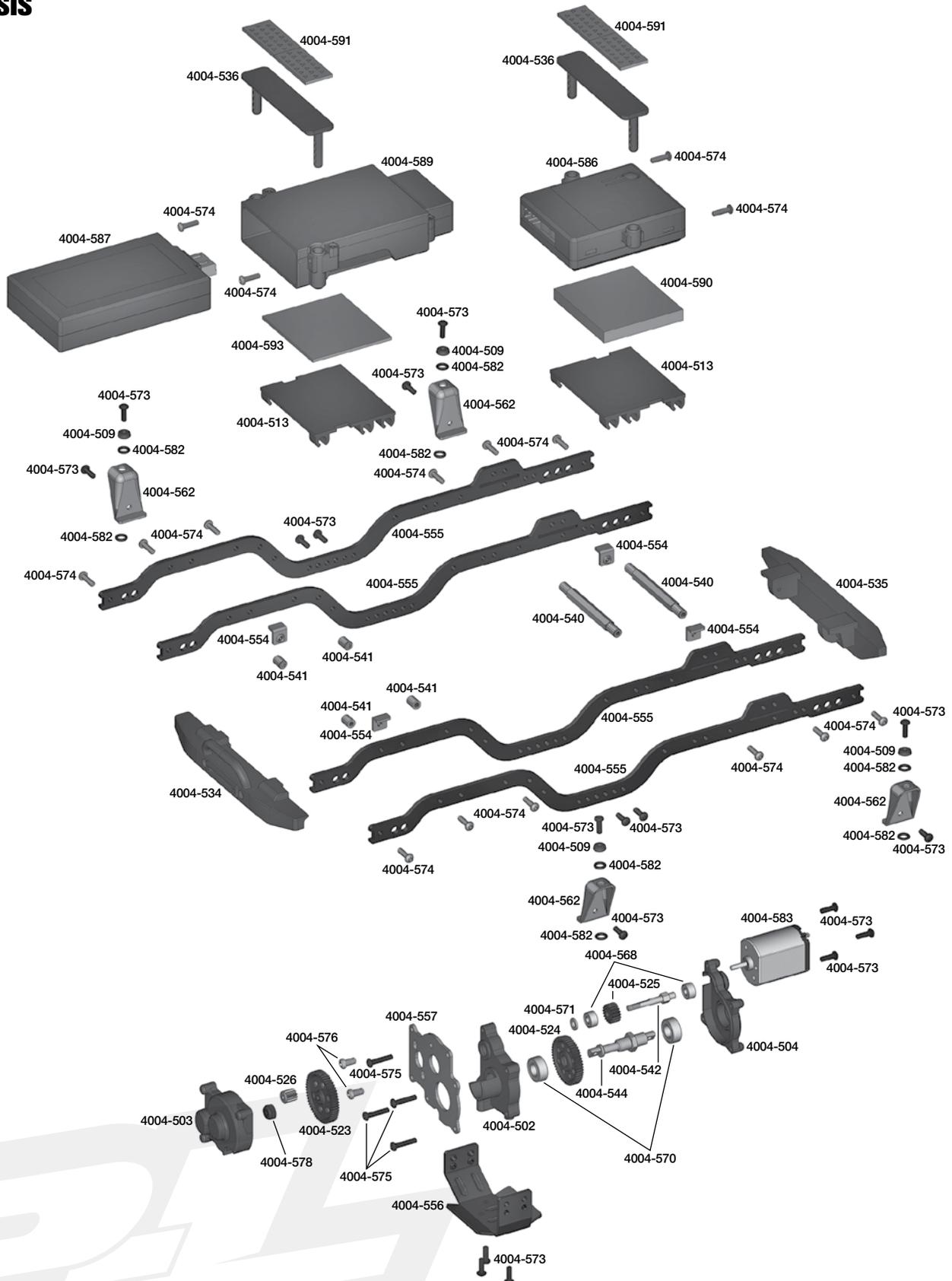
- NEVER RUN R/C MODEL IN CROWDED AREA OR NEAR SMALL CHILDREN
- PROTECT YOUR SYSTEM FROM MOISTURE
- REMOVE BATTERY FROM R/C MODEL WHEN STORING



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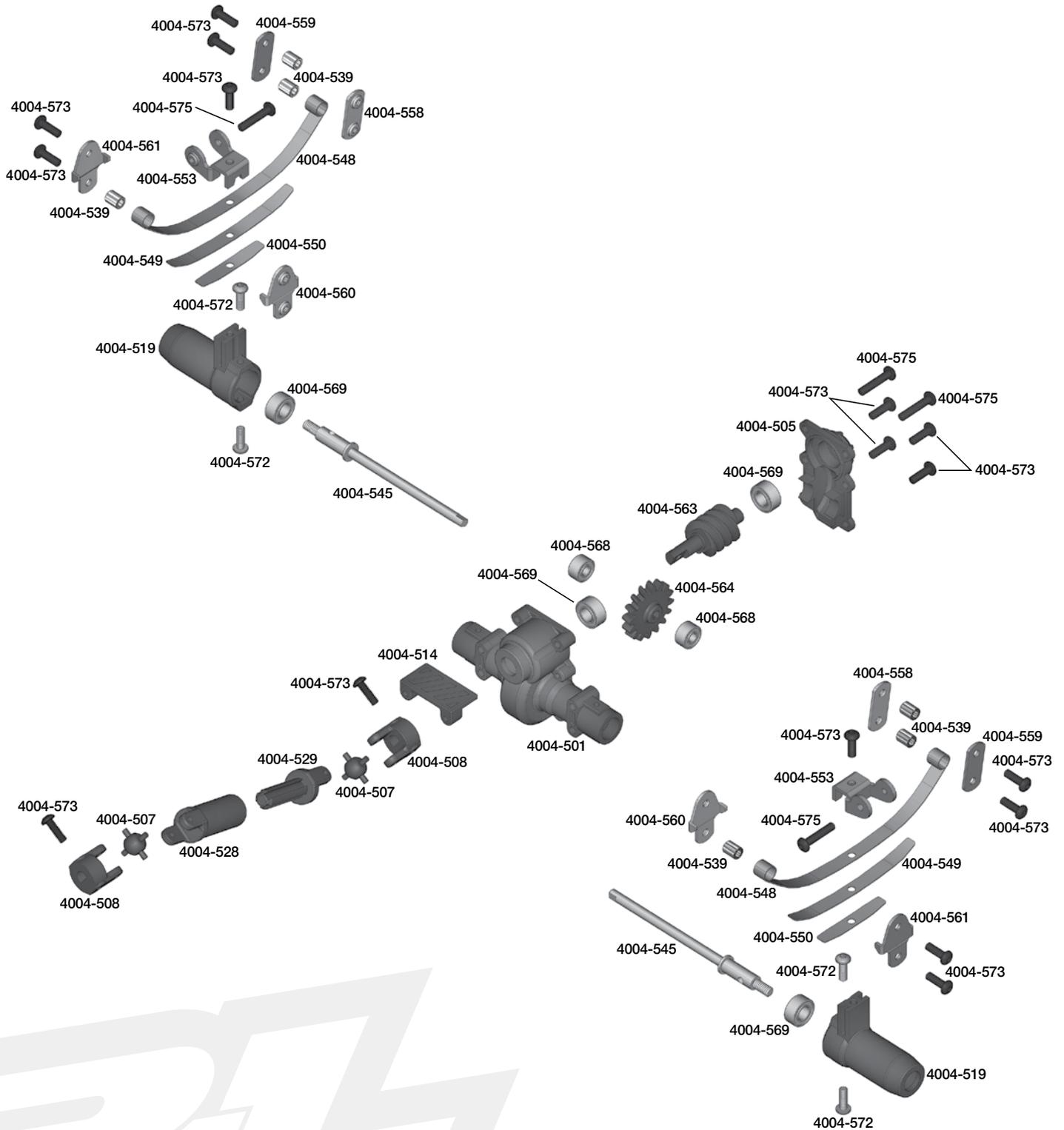
EXPLODED VIEW CHASSIS



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1:25 MINI SCALE CRAWLER RTR

EXPLODED VIEW REAR SUSPENSION



PROLINE AMBUSH 4x4

1:25 MINI SCALE CRAWLER RTR

PARTS LIST

#4004-(add code below)					
501	Axle Housing	534	Front Bumper	567	Shock Shaft
502	Gearbox A	535	Rear Bumper	568	Bearing 2x5x2.5
503	Gearbox Cap	536	Body Mount	569	Bearing 3x6x2.5
504	Gearbox B	537	Roll Cage	570	Bearing 4x8x3
505	Axle Housing Cover	538	Ball Connector	571	Washer 2x4x0.5
506	Wheel Hub	539	Brass Tube	572	M1.6x4
507	Spider	540	Brass Cross Member 35mm	573	M1.6x5
508	U-joint	541	Brass Post 4mm	574	M1.6x6
509	Shock Top Washer	542	Top Shaft	575	M1.6x8
510	Shock Ball Connector	543	Front Axle Shaft	576	M2x3
511	Shock Ball End	544	Gear Shaft	577	M2x6
512	Servo Holder	545	Rear Axle Shaft	578	Lock Nut M2
513	Electronics Plate	546	Stub Axle	579	Tooth Washer M2
514	Cover Holder	547	Tube 1.7x3x2.5mm	580	Pin-1.5x5
515	Steering Knuckle Carrier	548	Leaf Spring A	581	O-Ring 1.2x0.85
516	Steering Knuckle	549	Leaf Spring B	582	O-Ring 2.4x0.8
517	Servo Saver Arm	550	Leaf Spring C	583	Motor
518	Servo Saver Mounts	551	Spring	584	1.6 KG Servo
519	Rear Axle Adapter	552	Shock Spring	585	2.4GHz Transmitter
520	Shock Cap	553	Axle Holder	586	2-in-1 Receiver+ESC
521	Lower Shock Cap	554	Damper Stay Holder	587	Li-Ion Battery
522	Wheel	555	Main Frame Plate	588	USB Charger
523	Spur Gear-55T-B	556	Skid Plate	589	Power Switch
524	Drive Gear-51T	557	Motor Plate	590	Foam 34x29x4
525	Drive Gear-19T	558	Shackle A	591	Velcro (Hook)
526	Pinion Gear-11T	559	Shackle B	592	Velcro (Loop)
527	Steering Rack	560	Spring Stay A	593	Foam 34x29x1
528	Propeller Shaft A	561	Spring Stay B	594	Ambush Body & Roof
529	Propeller Shaft B	562	Damper Stay-F	595	Pulp Paper Landscape
530	Steering Link	563	Worm 2L	596	Driver Cap & Head
531	Hex Nut Driver	564	Worm Gear 16T	890	RTR Body Decals
532	Shock Body	565	Mini Flat Iron Tire	891	Option Body Decals
533	Bead-loc Ring	566	Shoulder Screw		



Check out our website for our full line of Tires, Wheels, Bodies, Accessories and other great Remote Controlled Car Kits!

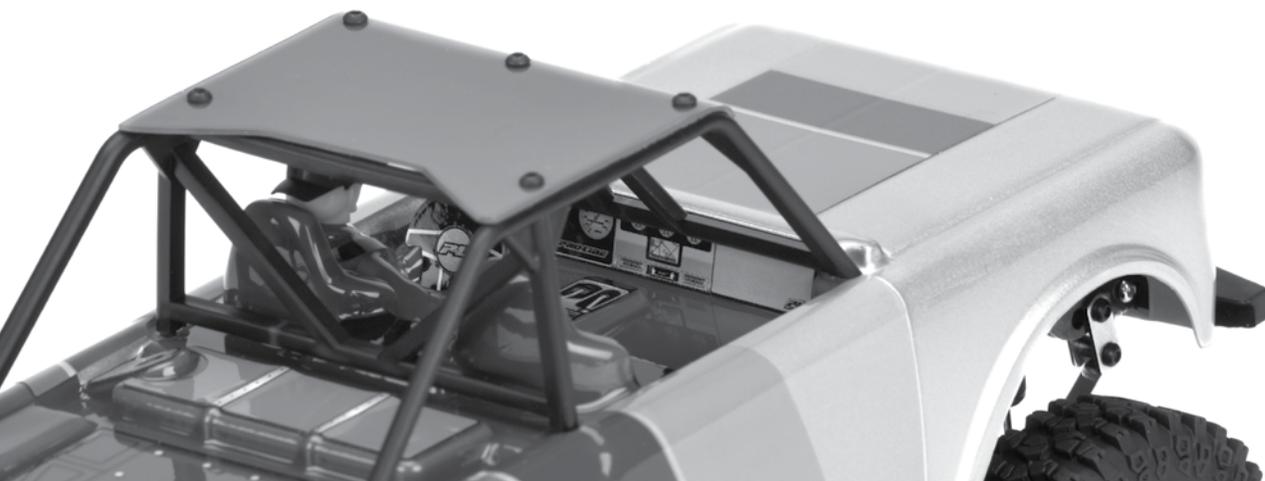
PROLINERACING.com

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TROUBLE SHOOTING

PROBLEM	POTENTIAL CAUSE	SOLUTIONS
Vehicle does not move	Batteries are not installed properly in transmitter	Check batteries and ensure that transmitter beeps when turned on
	Weak or incorrectly installed battery	Re-install fully charged battery
	Damaged motor	Replace with new motor
	Frayed or broken wiring	Splice and/or insulate wiring
No control	Transmitter not bound to vehicle	Follow binding instructions on transmitter instruction page
	Weak or no batteries in transmitter or vehicle	Install new or fully charged battery
	Neutral position or trim incorrect	Adjust throttle or steering trim on transmitter
	Receiver and ESC connections incorrect	Check the battery, motor, and servo connections
Steering and throttle reversed	Channel reverse switches are in incorrect position	Move switch to opposite position on transmitter



PROLINE





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1-800-899-RACE(7223) or (951) 849-9781

customerservice@prolineracing.com



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