



LED Light Bar Kit Installation Instructions

Covers Parts #9690, 9691, 9692, 9693

Kit contents:

- High-Voltage Power Amplifier
- Front body bumper with LED light bar
- Body bumper mount
- Roof skid plate with front and rear LED light bars
- Breakaway cable adapter
- Body templates
- Adhesive foam block
- 3x10mm cap screws (4)

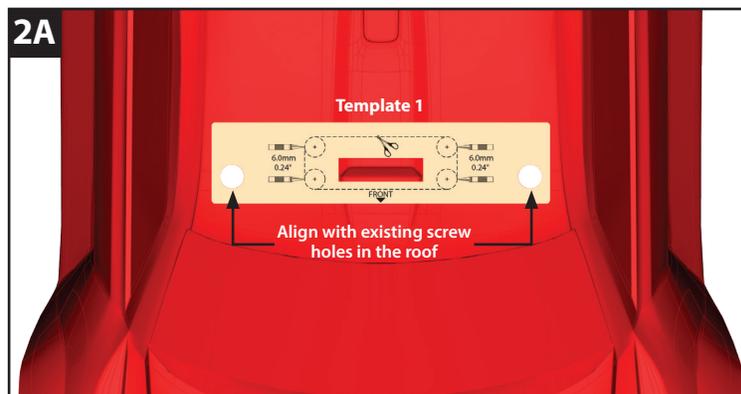
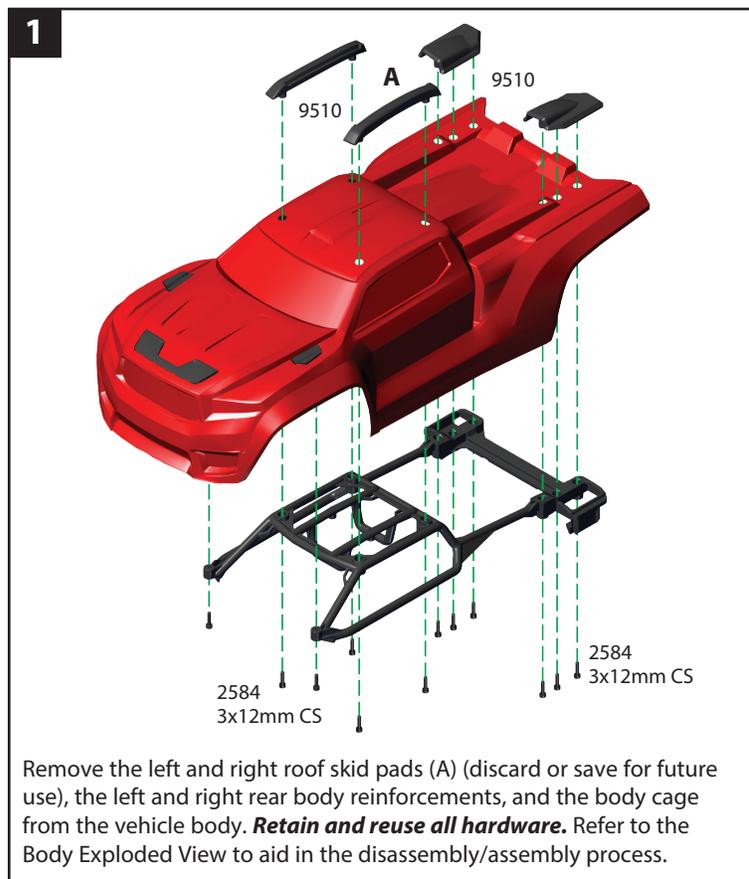
- 3x15mm cap screws (2)
- Zip ties (6)

Tools needed (all not included and sold separately):

- 2.5mm hex wrench
- Needle nose pliers
- Tapered body reamer (part #3433 or #3433X)
- Body scissors (part #3431 or #3432)
- Isopropyl alcohol (for cleaning/degreasing)

CAUTION: RISK OF INJURY! Use care with hobby knives, tapered reamers, and other cutting tools as they are extremely sharp and can cause severe injury, deep cuts, and/or punctures.

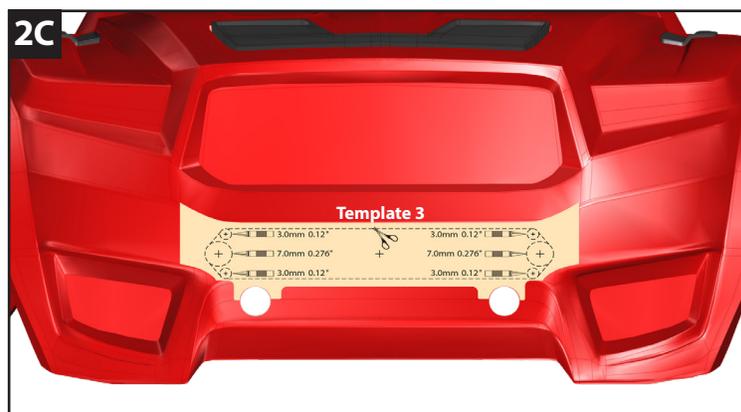
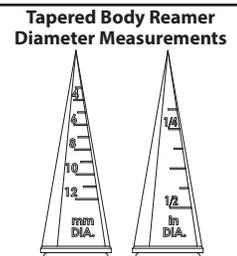
CAUTION: RISK OF DAMAGE TO ELECTRONICS! To prevent damage to the electronic speed control (ESC) and/or the high-voltage power amplifier, ensure the battery is disconnected before plugging the amplifier into the ESC.



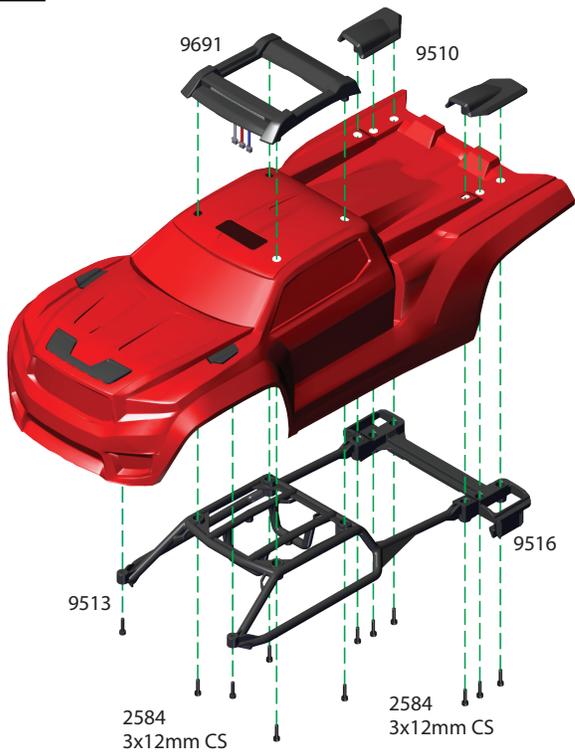
Body Modification:

Before installation of the new roof skid plate and front body bumper, the vehicle body will need modification.

Peel the adhesive backing from **Template 1**. Place the template on the roof of the body, aligning the small template holes with the corresponding screw holes in the roof (2A). Using a tapered body reamer, carefully cut holes in the roof to the dotted lines on the template (*note the hole diameters indicated on the template and the corresponding diameter measurements on the body reamer*). Use body scissors to cut out the section between the four holes, along the dotted lines as indicated.



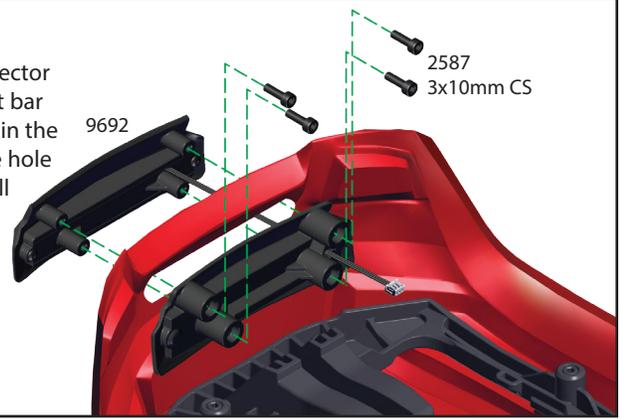
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Install the new rear roof skid plate onto the body along with the original rear body reinforcements and body cage. Insert the wire harness connectors through the hole in the roof.

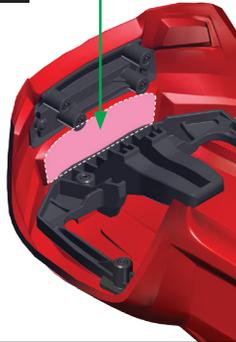
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Feed the wire harness connector from the body bumper light bar through the larger cut hole in the body, and then through the hole in the bumper mount. Install the bumper and bumper mount on the body using the included 3x10mm cap screws (4).



5A

Wipe Clean



5B



5C



Clean any dirt and grime from the body surface (5A). Use isopropyl rubbing alcohol to remove any oily residue, wax, or grease. This will improve the bond between the adhesive foam block and the body. Peel the adhesive backing from the included foam block and attach it to the body as shown (5B, 5C).

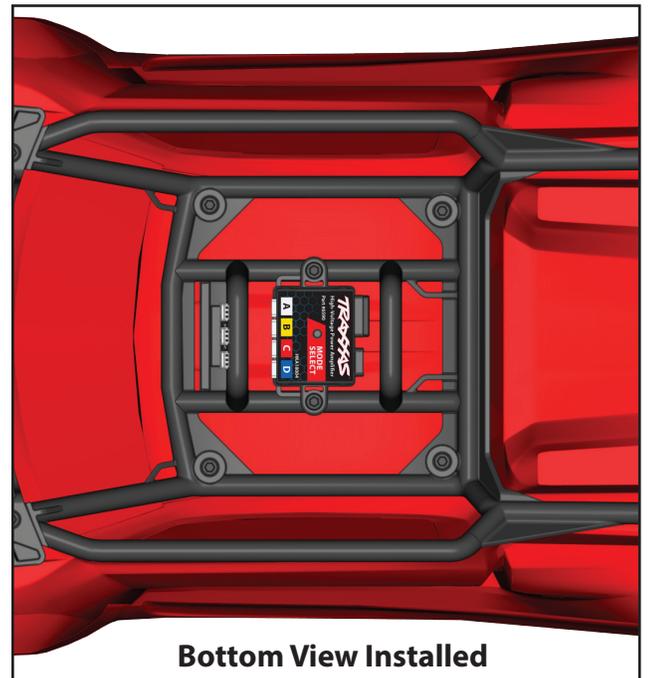
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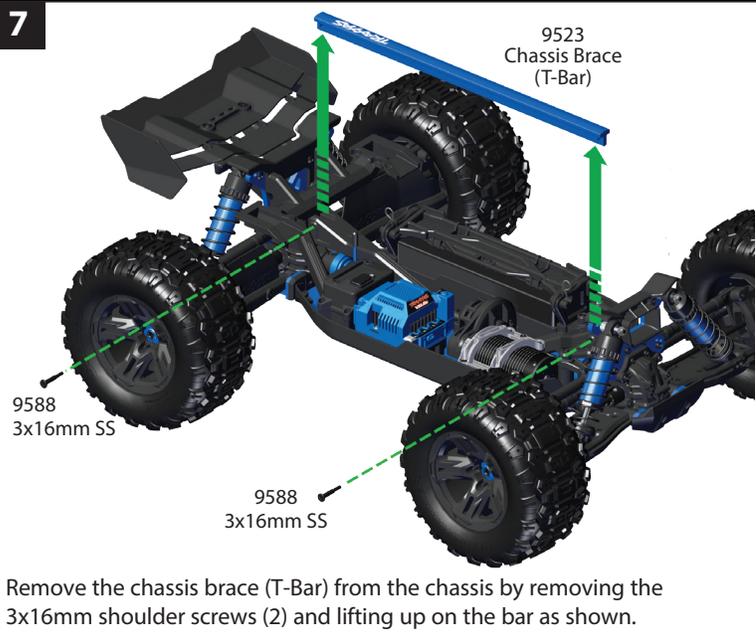
Turn the body over (viewing the underside) and fasten the high-voltage power amplifier to the body cage using the included 3x15mm cap screws (2). Position the amplifier so that the 4 lighting connection ports point to the front of the body. Plug the 4 LED harness connectors into the power amplifier, matching the colors on the wires with the corresponding colors on the amplifier ports (white, yellow, red, blue).

High-Voltage Power Amplifier Connection Ports

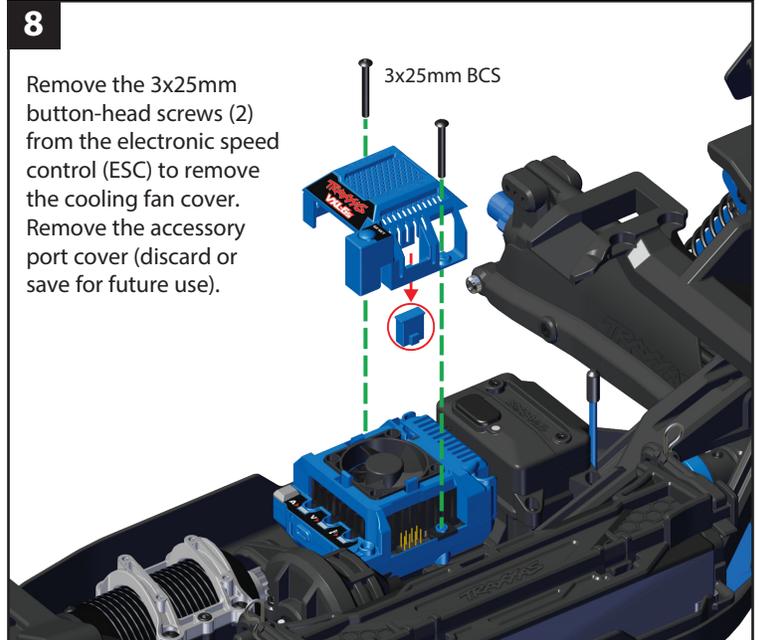
- Front Bumper LED Light Bar (white) → A
- Front Roof LED Light Bar (yellow) → B
- Rear Roof LED Light Bar (tail lights) (red) → C
- Rear Roof LED Light Bar (reverse lights) (blue) → D



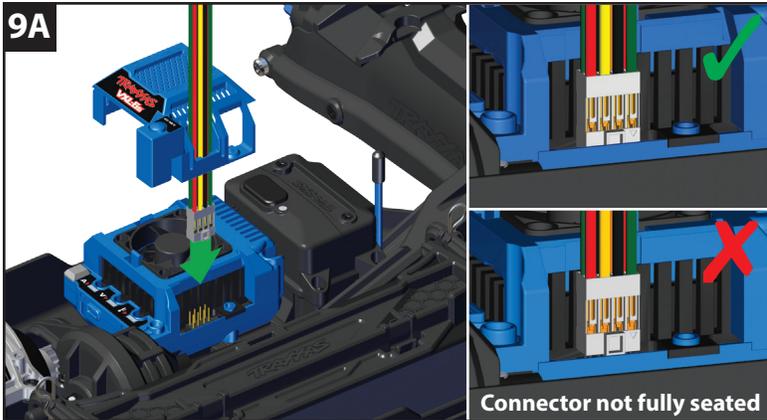
Bottom View Installed



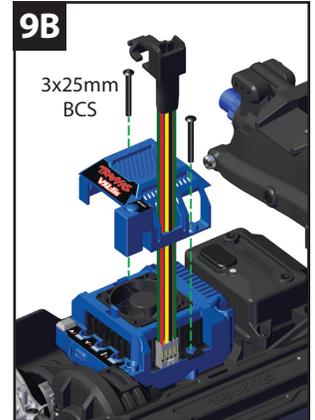
Remove the chassis brace (T-Bar) from the chassis by removing the 3x16mm shoulder screws (2) and lifting up on the bar as shown.



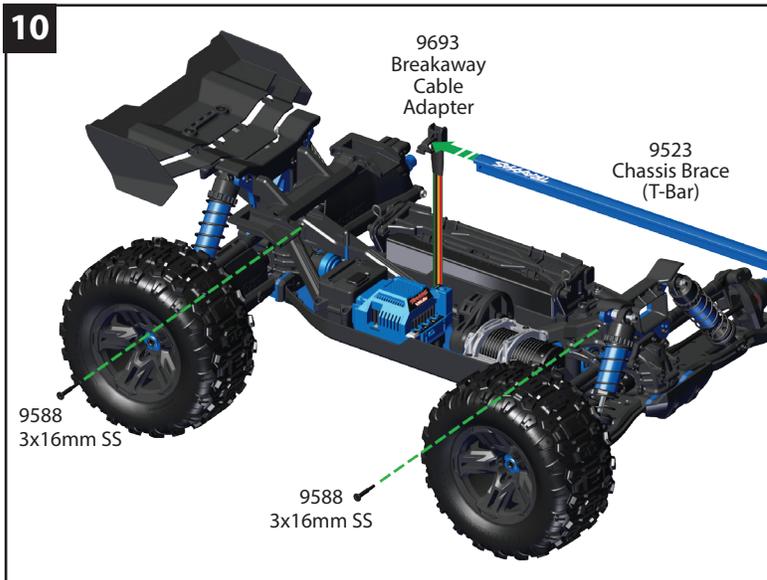
Remove the 3x25mm button-head screws (2) from the electronic speed control (ESC) to remove the cooling fan cover. Remove the accessory port cover (discard or save for future use).



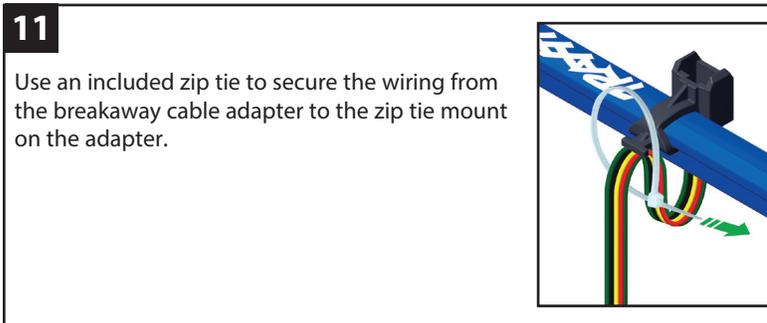
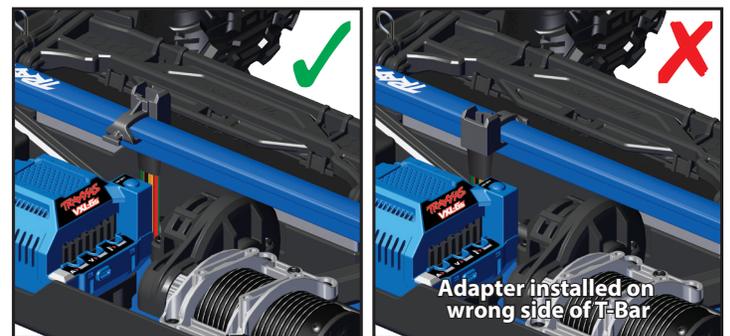
Feed the connector from the breakaway cable adapter through the accessory port opening on the ESC cooling fan cover (9A). Plug the connector into the accessory port on the ESC; **note orientation of the connector.**



Reinstall the cooling fan cover on the ESC using the 3x25mm button-head screws. Be careful not to pinch the ESC wires during reinstallation (9B).



Install the breakaway cable adapter onto the T-Bar and slide it near the Traxxas logo; then, reinstall the T-Bar on the chassis using the removed screws. **Note:** The location of the breakaway cable adapter on the T-Bar can be adjusted as you plug the adapter into the accessory port on the ESC.

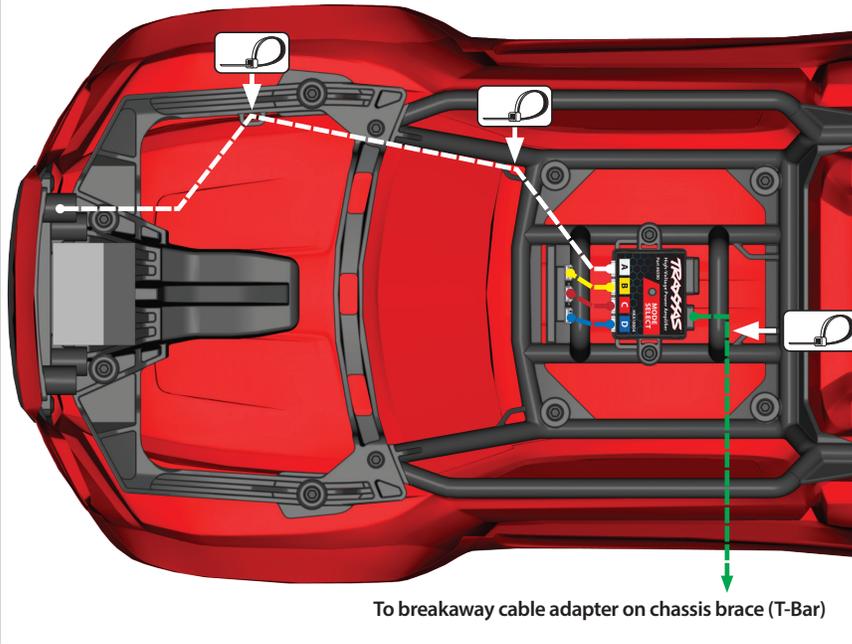


Use an included zip tie to secure the wiring from the breakaway cable adapter to the zip tie mount on the adapter.

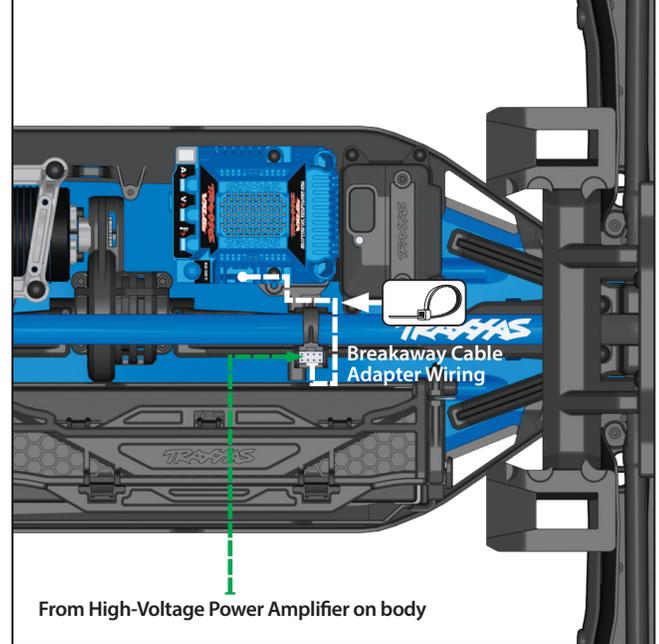
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Plug the cable from the high-voltage power amplifier on the body into the breakaway cable adapter on the chassis brace (T-Bar). Refer to the **Body Wiring** and **Chassis Wiring Diagrams** on the following page.

Body Wiring Diagram



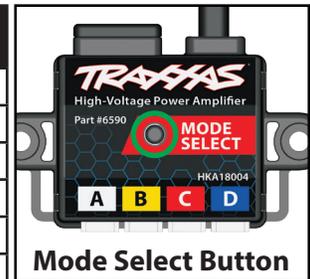
Chassis Wiring Diagram



High-Voltage Power Amplifier Operation

The high-voltage power amplifier and lights will turn on when the ESC is powered on. Press the **Mode Select** button on the amplifier to toggle through the three lighting modes (**Mode 1: Low Beam (default)**, **Mode 2: High Beam**, **Mode 3: Daytime**). The chart below indicates how the lights will function in each mode.

Connector	Channel	Default Connection	Mode 1 Low Beam Mode	Mode 2 High Beam Mode	Mode 3 Daytime Mode
A	1	Low Beam Headlights (front bumper light bar)	On	Off	Off
	2	High Beam Headlights (front bumper light bar)	Off	On	Off
B	3	Low Beam Headlights (front roof light bar)	On	Off	Off
	4	High Beam Headlights (front roof light bar)	Off	On	Off
C	5	Tail Lights	On	On	Off
	6	Brake Lights	On when braking	On when braking	On when braking
D	7	Reverse Lights	On when reversing	On when reversing	On when reversing
	8	Not used	N/A	N/A	N/A



Change the high-voltage power amplifier settings and gain access to additional functions using the Traxxas Link App (available in the Apple App StoreSM or on Google PlayTM). The TQi transmitter with the Traxxas Link Wireless Module (part #6511, sold separately) are required.

This device complies with FCC Part 15 & IC RSS-210 rules subject to the following conditions: (1) This device may not cause harmful interference, and (2) This device must accept all interference received, including interference that may cause undesired operation. App Store is a service mark of Apple Inc. Google Play is a trademark of Google Inc.

Replacement Parts

Part #	Description
6590	High-Voltage Power Amplifier
9691	Skid plate, roof (body) (with LED lights) (fits #9511 body)
9692	Bumper, front (body) (with LED lights)/ bumper mount (fits #9511 body)
9693	Breakaway cable, LED lights (high-voltage)

Warranty Information

Traxxas electronic components are warranted to be free from defects in materials and workmanship for a period of 30 days from the date of purchase.

Limitations: Any and all warranty coverage does not cover replacement of parts and components damaged by abuse, neglect, improper or unreasonable use, crash damage, water or excessive moisture, chemical damage, improper or infrequent maintenance, accident, unauthorized alteration or modification or items that are considered consumable. Traxxas will not pay for the cost of shipping or transportation of a defective component to us.

Traxxas Lifetime Electronics Warranty

After the expiration date of the warranty period, Traxxas will repair electronic components for a flat rate. The covered repairs are limited to non-mechanical components that have NOT been subjected to abuse, misuse, or neglect. Products damaged by intentional abuse, misuse, or neglect may be subject to additional charges. Traxxas liability, in no case, shall be greater than the actual purchase price of this product. For replacement, product must be returned in brand new condition, with packaging and itemized sales receipt.