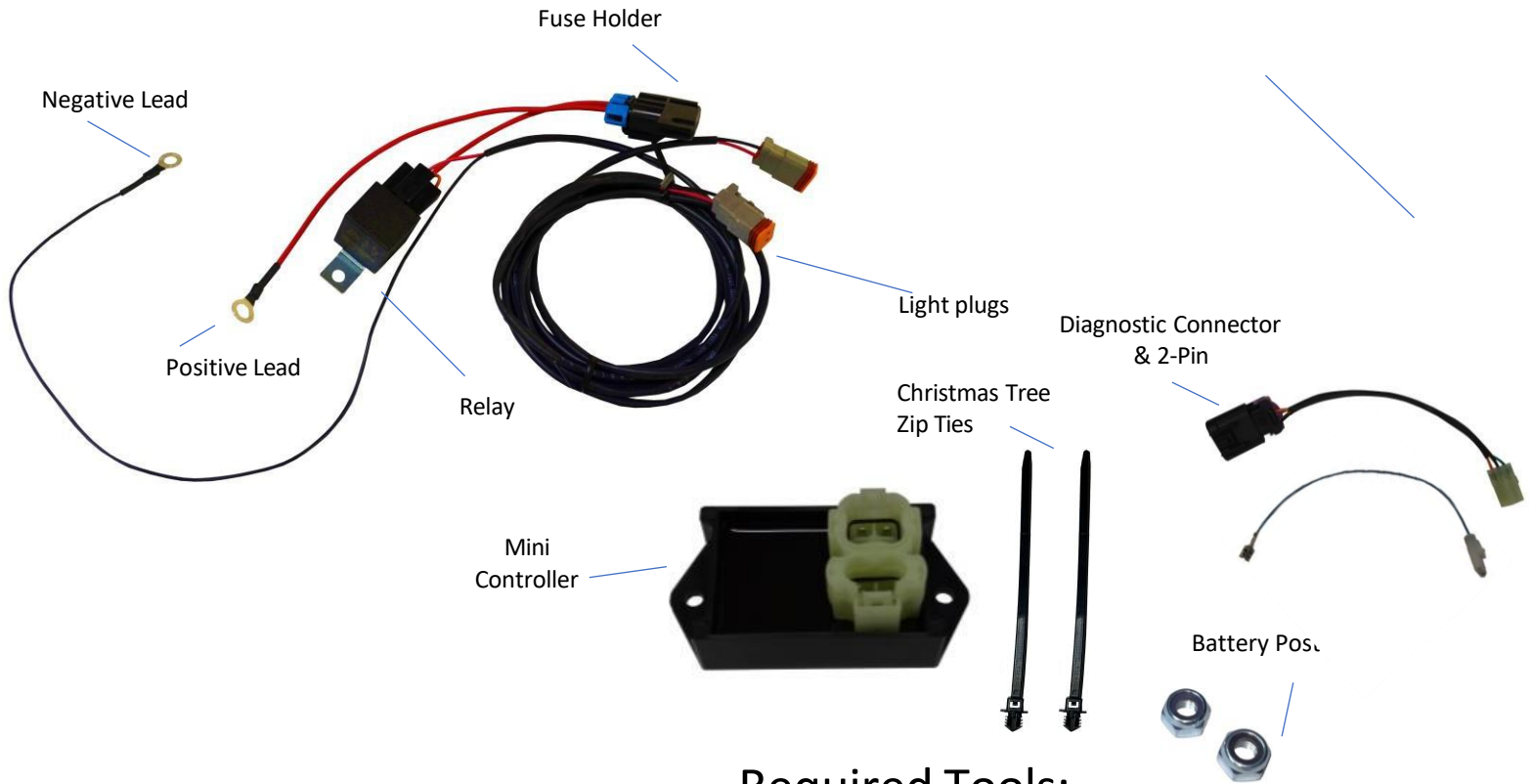


STRAIGHTLINE PERFORMANCE

Polaris Ranger Reverse Light Kit

287-109 Installation Manual



Required Tools:

| |
|---------------------------------|
| 13mm Socket |
| 10mm Socket |
| Flat-Head Screwdriver |
| Torx T-40 |
| Allen Wrench #6 |
| Wire Cutter (trimming zip ties) |



Read entire manual before beginning the installation process.

Disclaimer: Straightline Performance is not responsible for any damage due to improper installation.

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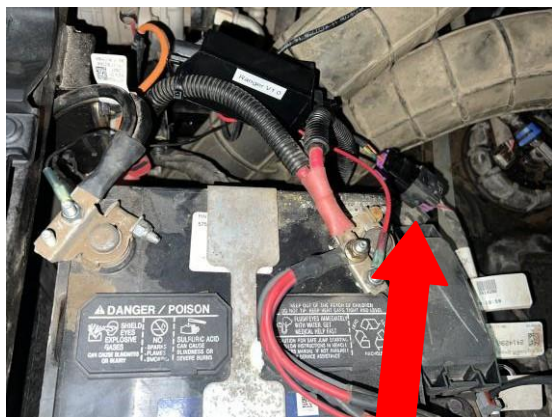
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Step 1: Routing Wires

- 1) Run harness from battery compartment to light as desired, making sure to keep harness away from hot or moving components at all times; following the OEM harness is typically best.
- 2) Zip tie harness as needed.

Step 2: Connect Diagnostic Connector & Power Leads

1. Push relay terminal into remaining slot of relay holder; then plug relay in.
2. Remove diagnostic connector cover and plug in connector that comes with reverse light wiring harness.
3. Connect positive lead to positive terminal of battery and negative lead to negative terminal using supplied locknuts.



Diagnostic connector

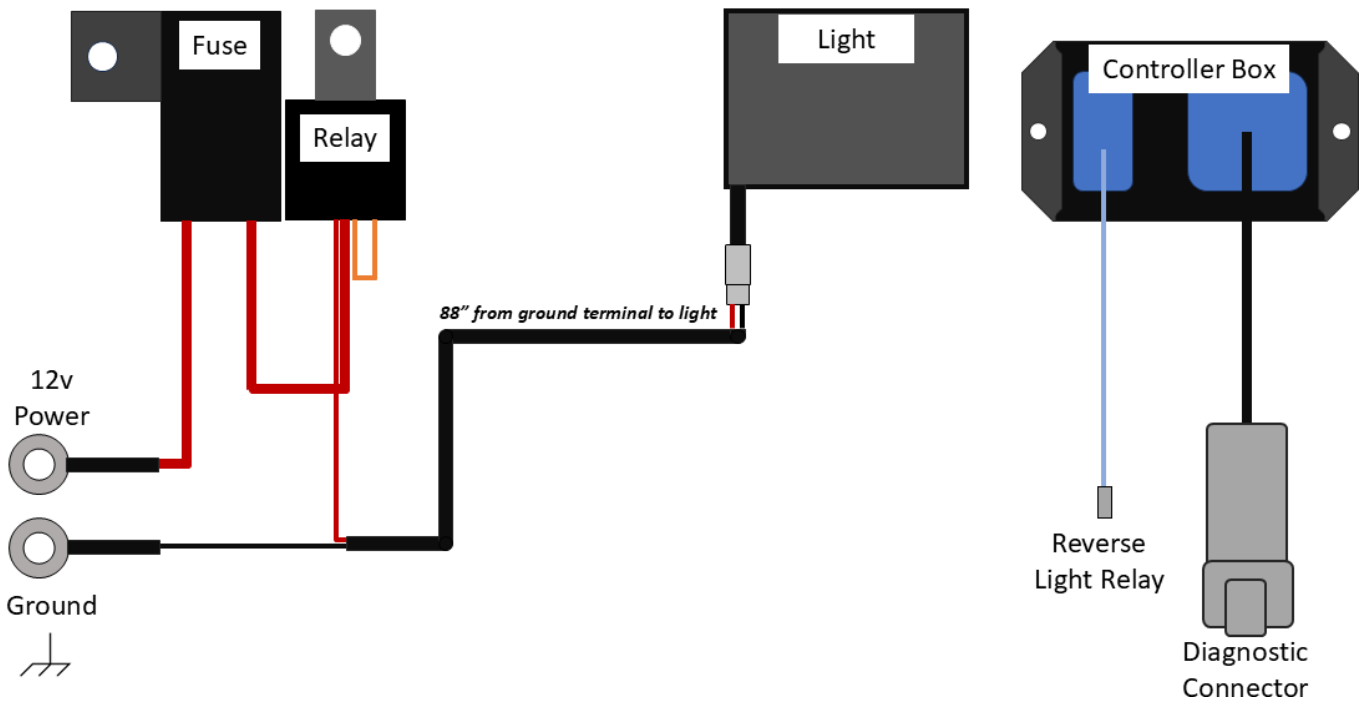


Step 3: Secure Controller, Relay, & Fuse

1) Secure the fuse, controller, and relay using zip ties.



Automatic Reverse Light





Operation of Reverse Lights

Our controllers have been programmed with a manual override feature. Back-up lights may be turned on without the vehicle in reverse.

• Fully Automatic When Shifted to Reverse

- 1) No programming needed

Manual Override

- 1) Put the vehicle in neutral.
- 2) Press and hold the brake pedal for up to 2 seconds. The reverse light will automatically turn on and stay on.

***To turn the light off repeat this procedure.**

Note: If the ignition is turned off while the vehicle is in reverse, or the manual override function is enabled, the lights will remain ON until the ECU enters sleep mode (approximately 30 seconds - 2 minutes depending on vehicle and ECU type).

| Part Number | Description | Quantity | In Box |
|-------------|---|----------|--------|
| IT-238-105 | Battery nut 6mm | 2 | |
| IT-287-100 | 60" wire harness, single connector for light, battery terminals, includes relay | 1 | |
| IT-287-102 | Polaris Diagnostics Adapter Purple and black 8 pin plug on one end and 4 pin white plug on the other. | 1 | |
| IT-287-105 | Controller | 1 | |
| IT-287-110 | Blue 4" jumper from harness relay to controller, 2 pin plug on one end flat locking spade on other. | 1 | |
| IT-288-102 | Zip tie with Christmas tree end | 2 | |
| IT-288-105 | Bagged female Deutsch connector with pins seal and lock. | 2 | |
| Np-209 | zip ties, zip tie length 6" | 10 | |
| | insert blue wire into relay housing. Directions in folder (SPI in house) | | |
| Sticker | | 2 | |
| Directions | | 1 | |

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