

# STRAIGHTLINE PERFORMANCE

## Polaris Ranger Reverse Light Kit

### Installation Manual 287-110



### 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.

Straightline Backup Lights  
[straightlineperformance.com](http://straightlineperformance.com)

Polaris Ranger Reverse Light  
[Tech@straightlineperformance.com](mailto:Tech@straightlineperformance.com)

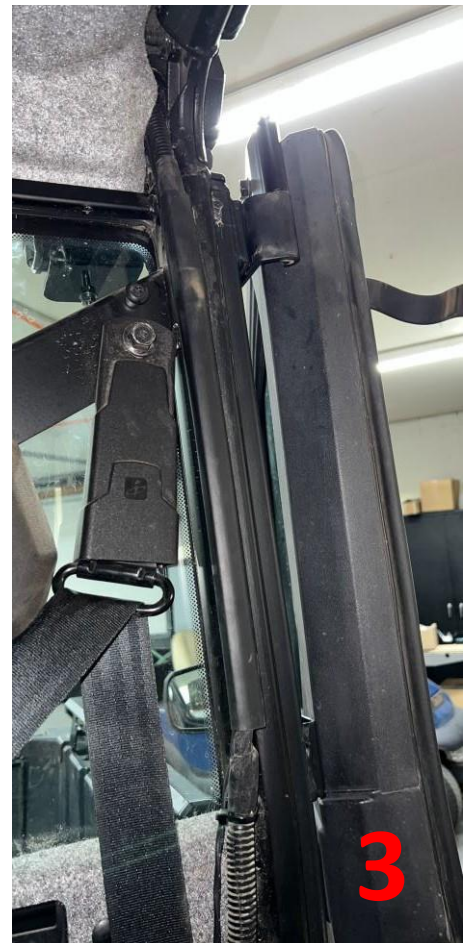
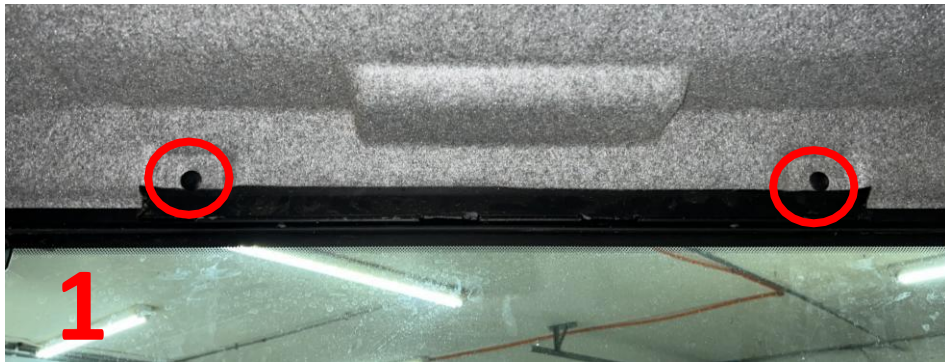
# Step 1: Mount Lights

- 1) Attach light bracket to light and tighten Allen bolt.
- 2) Remove the door bolts (13mm) and mount bracket as shown below.
- 3) Bolt the light bracket to the mounting bracket.
- 4) Remove Torx bolt, pull back plastic and feed the light connector into cab.
- 5) Reinstall Torx bolt



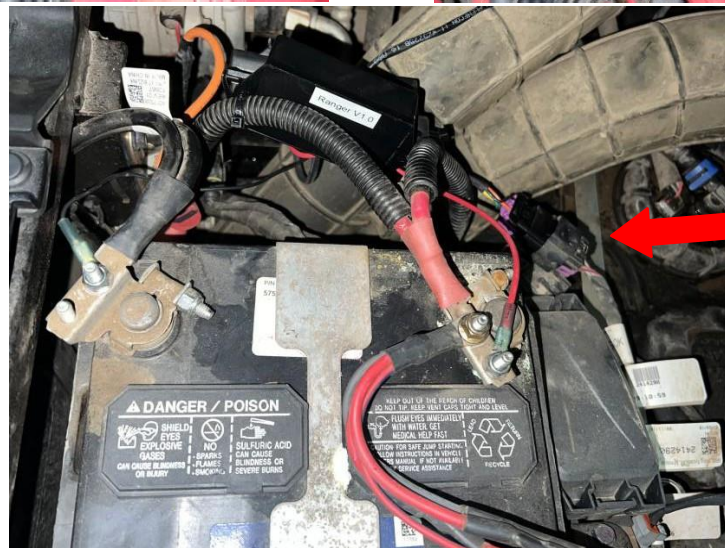
## Step 2: Routing Wires

- 1) Remove the two plastic plugs and pull head-liner loose.
- 2) Run the wire cross-member behind the headliner, securing it sufficiently, and plug in the connectors.
- 3) Continue to run the wire down driver's side door along the OEM harness; if there are no preexisting wires, use Christmas Tree Zip Ties to fasten the wire as shown below (yellow circles).
- 4) Run wire behind seat and through grommet into battery storage area.



## Step 3: Connect Diagnostic Connector & Power Leads

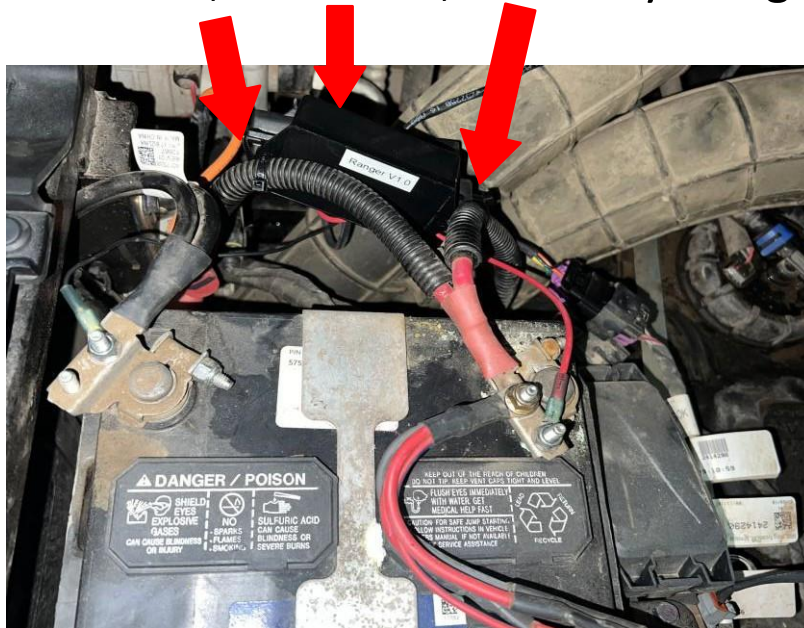
1. Push relay terminal into remaining slot of relay holder; then plug relay in.
2. Remove diagnostic connector cover and plug in connector that comes with reverse light wiring harness.
3. Connect positive lead to positive terminal of battery and negative lead to negative terminal using supplied locknuts.



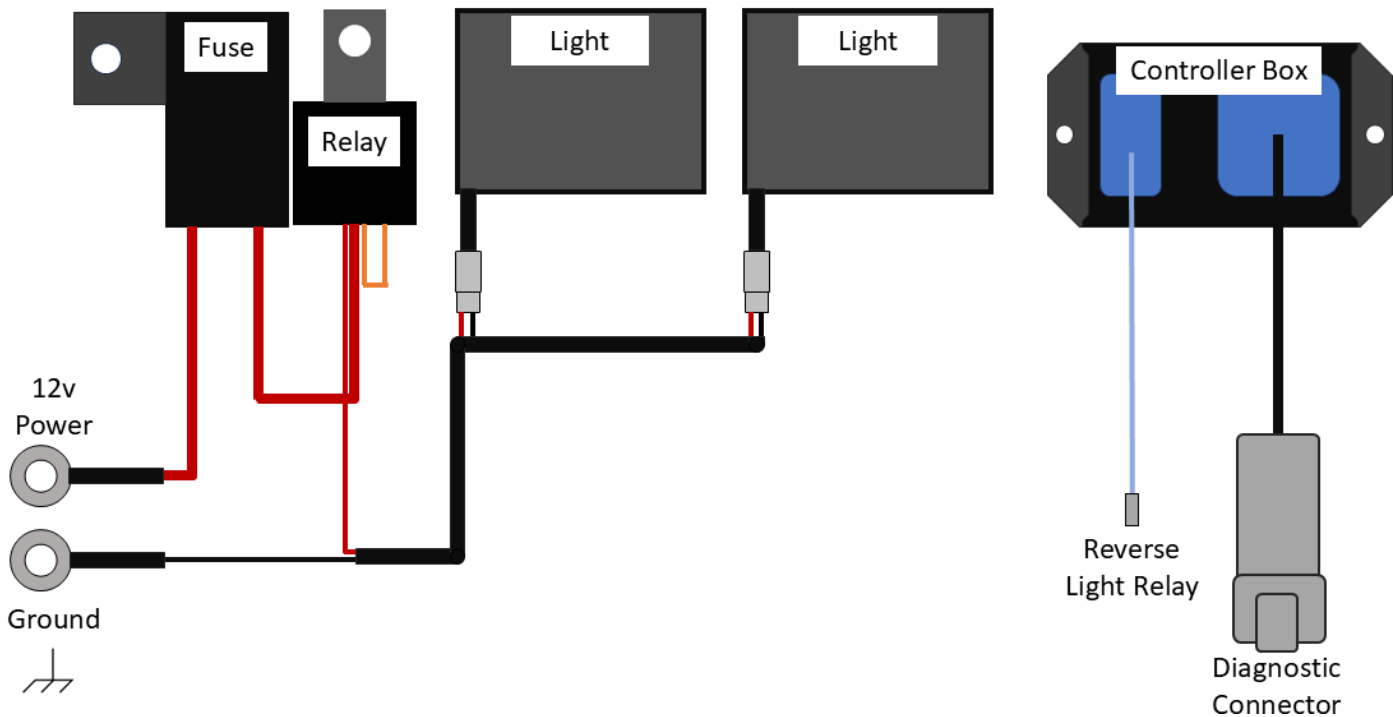
Diagnostic connector

# Step 4: 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-237-100-R	Ranger Light Bracket Right	1	
IT-237-100-L	Ranger Light Bracket Left	1	
IT-238-105	Battery nuts 6mm	2	
IT-238-106	Flange nylock nut m8 1.25 pitch black zinc	4	
IT-238-107	M8 1.25 flange head black bolt 25mm	4	
IT-282-115	Wire harness with dual light plugs and battery terminals, Comes with 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	Polaris 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-288-101	Cube light with Deutsch connector	2	
	Make sure lights have brackets with them. (SPI in house)		
IT-288-102	Zip tie with push insert holder	2	
Np-209	Zip tie, length 6"	10	
	Pin blue wire into relay plug, directions in file folder (SPI in house)		
Sticker		1	
Instruction		1	