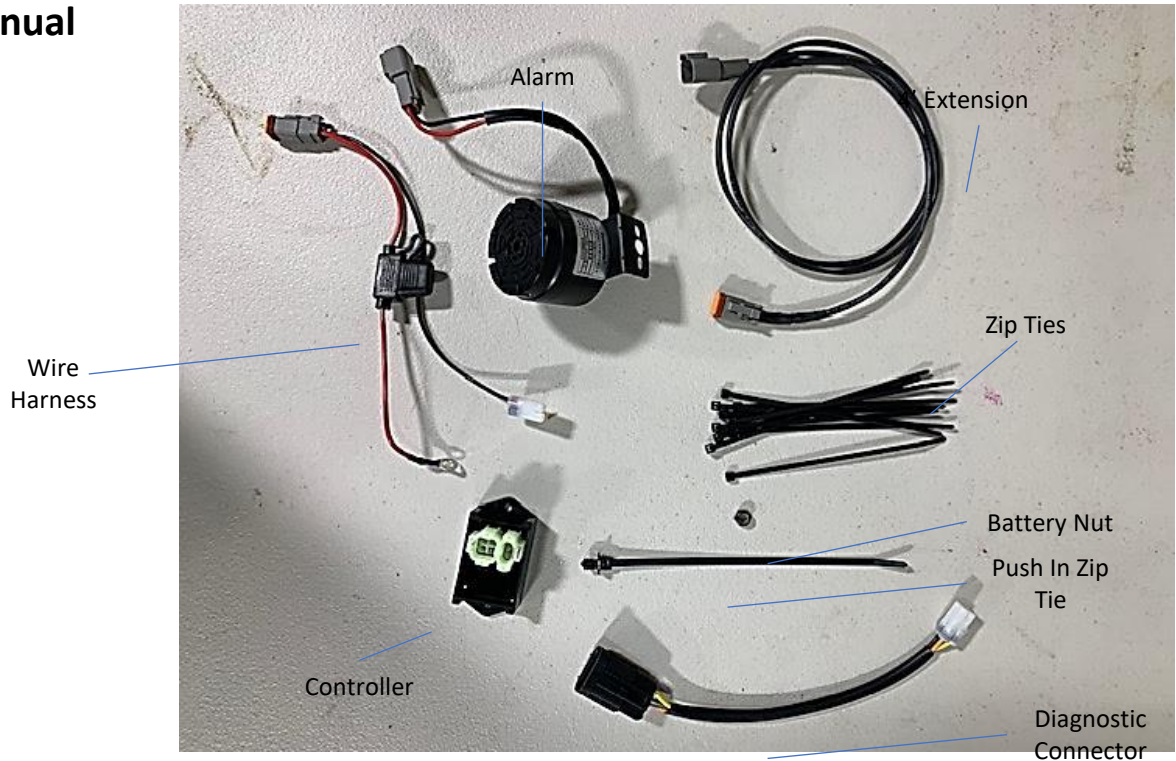


# STRAIGHTLINE PERFORMANCE

## Polaris Ranger 1000 and 570 Reverse Alarm

### Installation Manual

287-120



Read entire manual before beginning the installation process.

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

Straightline performance Backup lights  
[www.straightlineperformance.com](http://www.straightlineperformance.com)

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

# Step 1: Mount Alarm

For Ranger 1000, mount alarm using the fastener holding the rear cab plastic. If this location does not work for your vehicle due to model or accessory differences, find a similar available bolt away from exhaust heat, rotating parts or tire splash.

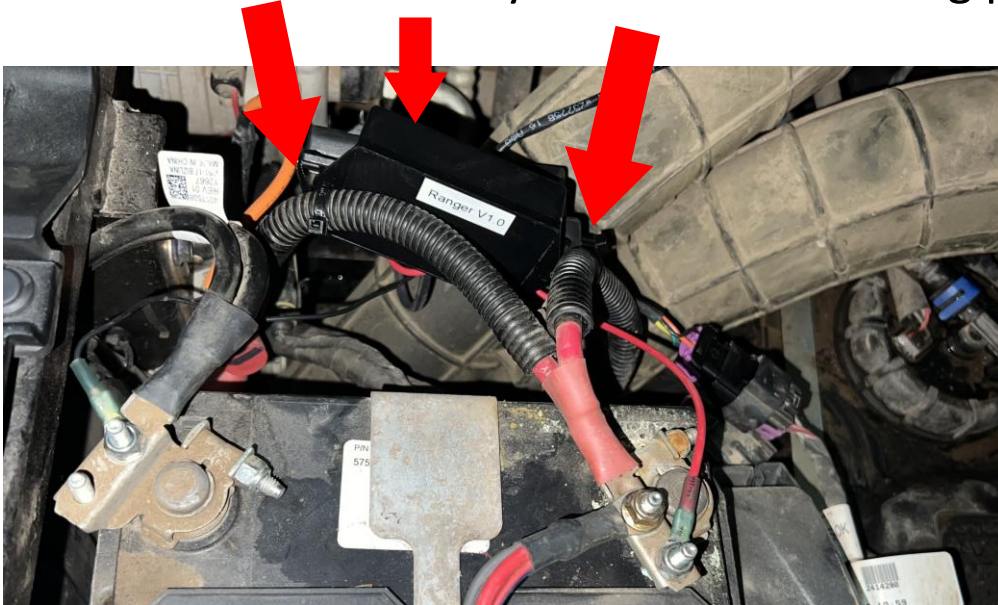


For Ranger 570, remove the bolt indicated in the picture to the right. Using the center hole in the bracket on the back up beeper, reinstall the bolt and beeper.



## Step 2: Secure Controller and Connect Diagnostic Connector

- 1) Secure the controller to the factory wiring using the supplied zip ties. Below picture indicates one option, but each model may vary on the best location. Ensure the controller is mounted away from hot or rotating parts.



- 2) Plug the diagnostic connector from the Sam's kit into the vehicle diagnostic connector. The diagnostic connector is located near the battery on the 1000 and 570 models.



Diagnostic connector



## Step 3: Route Wiring

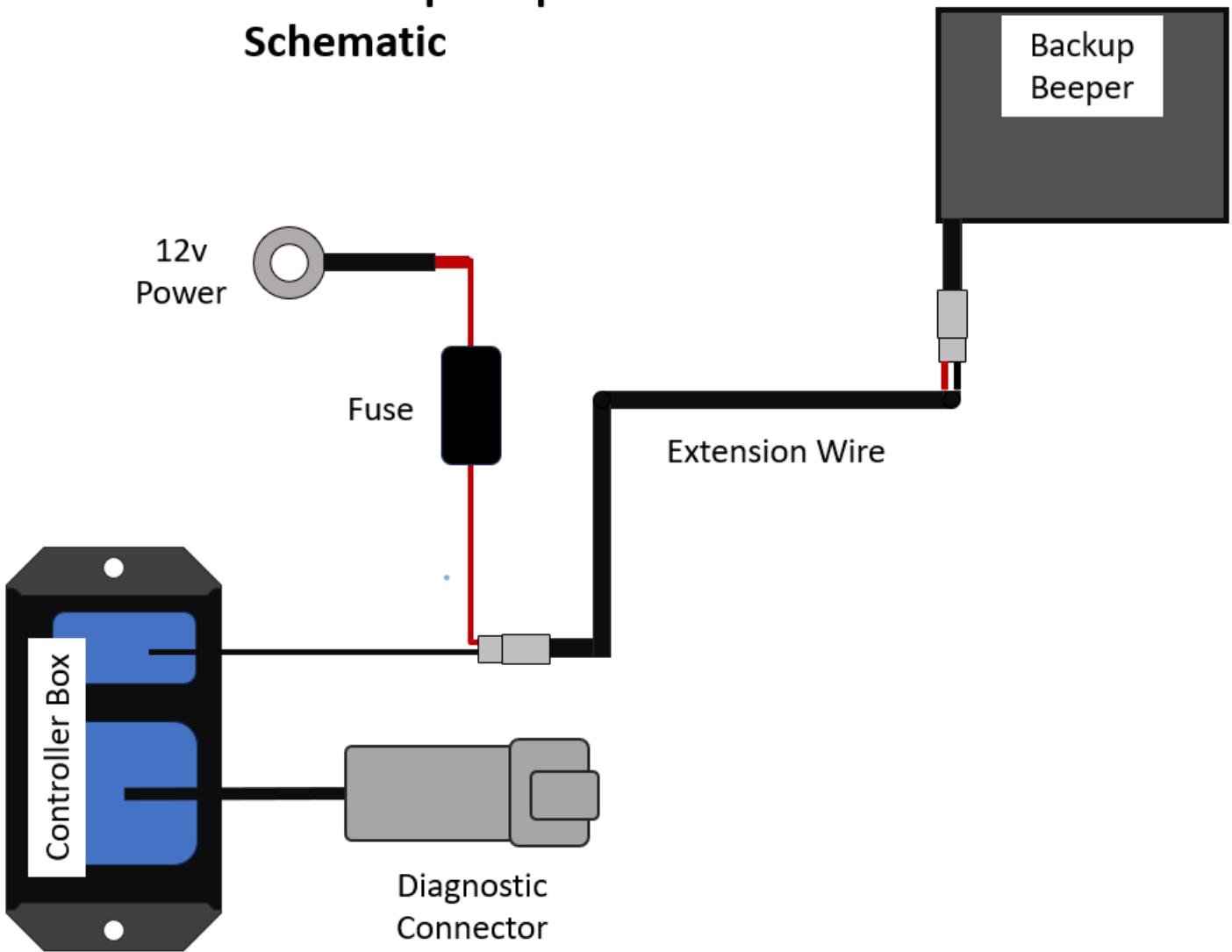
- 1) Disconnect the ground leg from the battery, thus ensuring no shorts. Take extra caution not to short the positive and negative legs of the battery.
- 2) If not already done, plug the white 2 pin connector of the Sam's harness into the control box. Then plug the extension harness into the Sam's harness. Route the wire to the reverse alarm. Ensure the wiring is away from the exhaust and drive shaft. It is generally best to route along existing wiring.
- 3) Connect the extension wire to the backup beeper.
- 4) Connect the Sam's harness to the positive leg of the battery. Use the ring terminal on the red wire of the Sam's harness and the extra stud on the vehicle battery. The Sam's kit includes a 10mm nyloc Nut to secure the wire on the battery post.
- 5) Secure the wiring using the supplied zip ties. Confirm that the wiring is clear of any hot or rotating parts. Ensure there is no tension on any of the connectors. Bundle and secure any extra or loose wiring.
- 6) Re-install the ground leg on the battery. Installation is complete.

Battery Terminal  
Positive Stud



# Wiring Diagram

## Automatic Backup Beeper Schematic





## Operation of Reverse Beepers

### Fully Automatic When Shifted to Reverse

- 1) No programming needed

**Note:** If the ignition is turned off while the vehicle is in reverse, the alarm may 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 |
|--------------|--|----------|--------|
| Np-209       | Zip tie, 6"  | 10       |        |
| IT-238-105   | Battery nut 6mm  | 1        |        |
| IT-287-101   | Backup Beeper controller   | 1        |        |
| IT-287-102   | Polaris Diagnostics Adapter. Purple and black 8 pin plug on one end and 4 pin white plug on other end. 10 inches long. | 1        |        |
| IT-288-100   | 2 wire extension, male Deutsch on one end, female on the other 4' length   | 1        |        |
| IT-288-102   | 1 Zip tie 6" with push insert holder   | 1        |        |
| IT-288-107   | Fused Deutsch accessories plug. Terminal ring for red wire, black wire goes to backup controller plug.                 | 1        |        |
| IT-288-109   | Rev Beeper, black housing. 8 inch power lead with Deutch connector.  | 1        |        |
| Sticker      |  |          |        |
| Instructions |  |          |        |