Polaris RZR & General Reverse LED Light Kit

Installation Instructions for Part No. 66008

Hardware Included:

1 – LED Light
2 – Small Clamps
2 – Large Clamps
1 – LED Control Box
1 – 12V Bypass Switch
1 – LED Light Wire
1 – Ring Terminal Wire
1 – Gear Switch Adapter
1 – Ground Wire
1 – Spade Terminal Wire
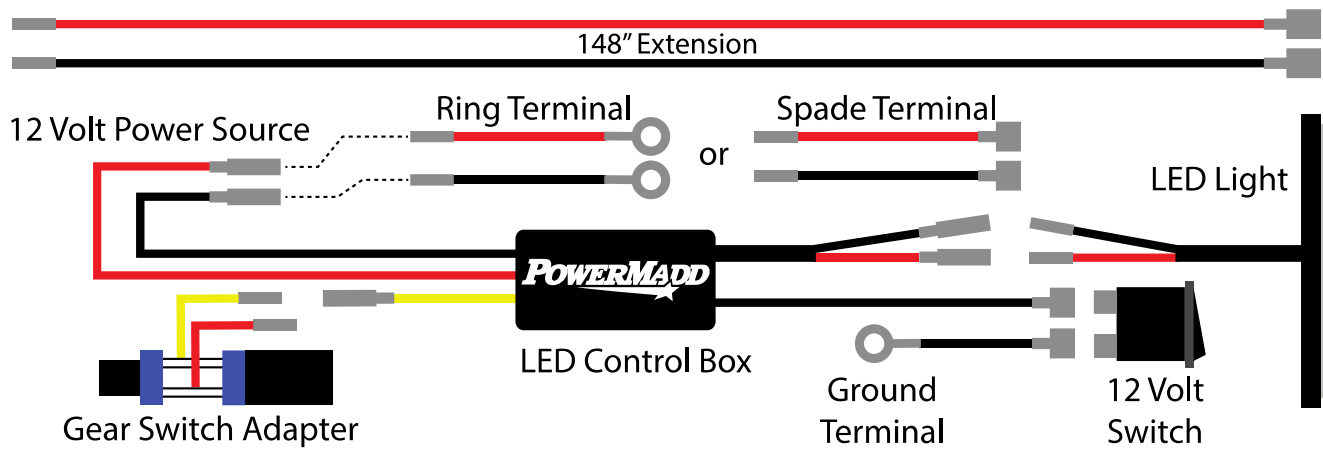1 – Switch Wire
6 – Cable Ties

Tools Required:

Phillips Screwdriver
10mm wrench

PLEASE READ ALL INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION
Attention: The assembly of this product can be complicated and requires good technical understanding. If you are not sure on how to do this or have a vehicle with complex electronics, have a service center perform the installation. PowerMadd accepts no liability for damages caused by improper installation. Before proceeding familiarize yourself with all the parts contained in the Reverse Light Kit and the wiring schematic. Reference parts list and schematic. Please note that all parts may not be used depending on application.

Wiring Diagram

148" Extension

12 Volt Power Source

Ring Terminal   or   Spade Terminal

LED Light

POWERMADD

LED Control Box

Gear Switch Adapter

Ground Terminal

12 Volt Switch

STEP 1: 12V Bypass Switch

Find a convenient spot for your 12-volt bypass switch. Somewhere on the center dash is a good location. You can also use an aftermarket accessory switch. **SEE PHOTO** You will need approximately 1.25" of clearance behind the hole for the switch and wires. Drill a ¾" hole and with a small file create a slot for the indexing tab on the 12-volt switch. Install the 12V switch by pressing it into place. The wire from the LED control box/harness will go to the center tab on the switch and the ground wire is connected to the 12V switch on the "O" side. The ground wire will also need to be connected to a good chassis ground.

12V switch installed on RZR XP 1000

STEP 2: Locate 12V power location

Three potential power locations.

Option One: Use the 12v accessory outlet which requires the use of the spade terminal wire. Unplug wires and replace with Spade terminal wire. Reinstall factory wires onto the dual spade terminals.
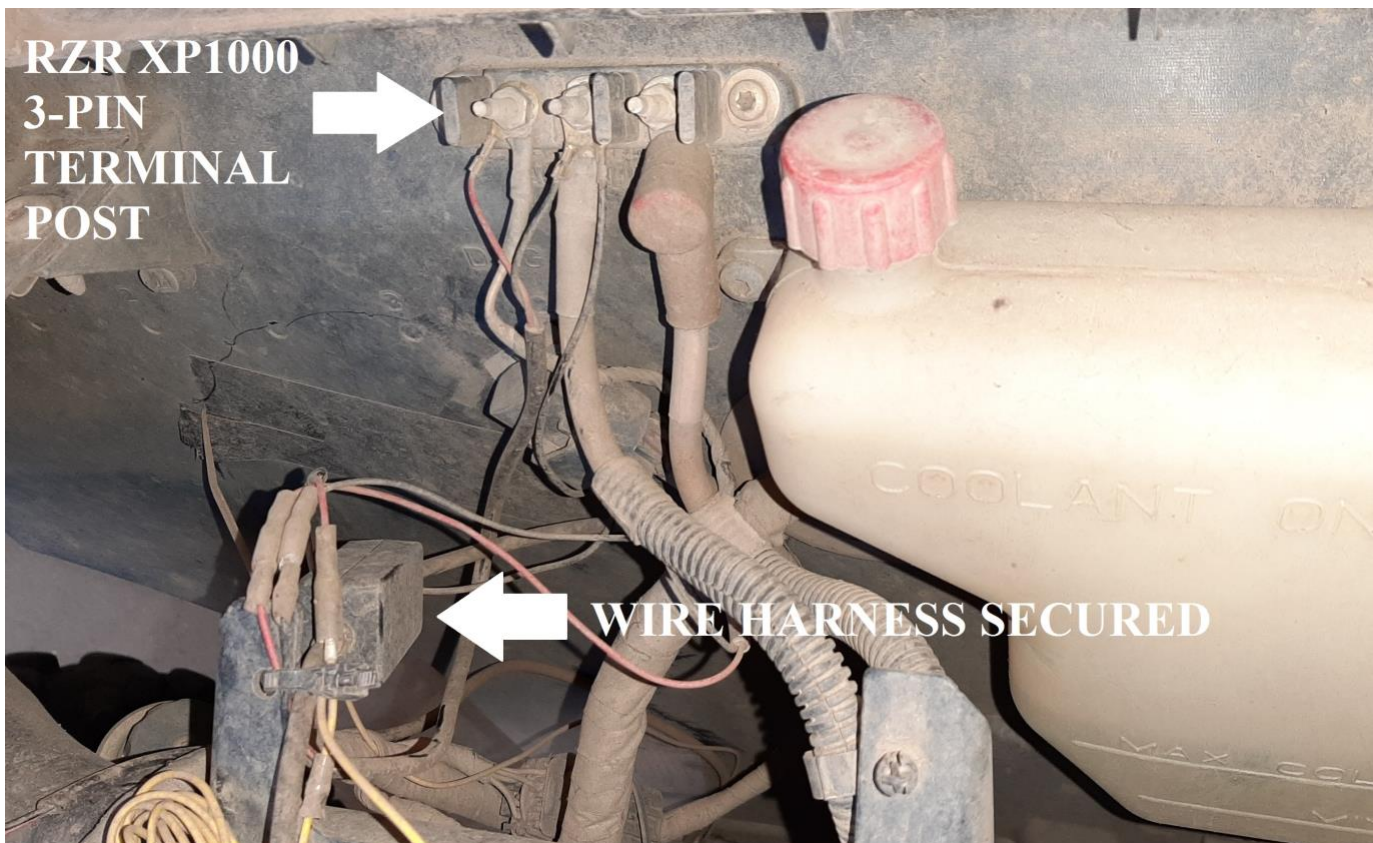

BACK SIDE OF RZR CENTER DASH
12V ACCESSORY PLUG
SPADE TERMINAL WIRE INSTALLED

Option Two: 3-pin terminal post located on the fire wall under the front hood. This will require the ring terminal wire.

Option Three: Boss terminal pulse bar located on the fire wall under the front hood. This will require a bus bar wire harness (not included) and the PowerMadd terminal wire.
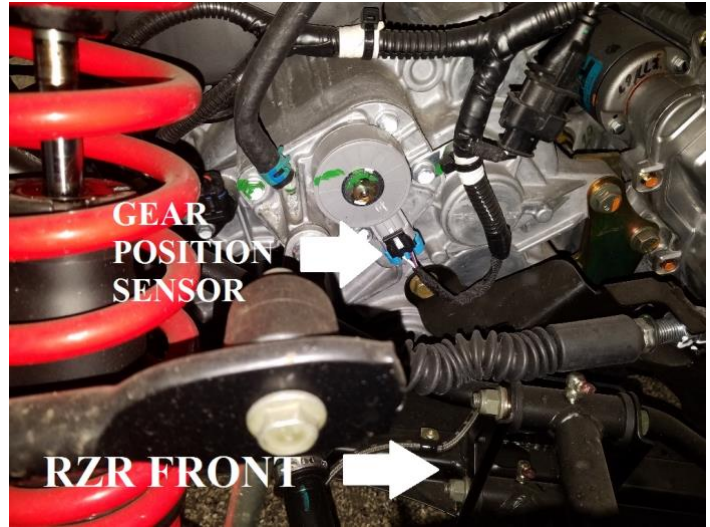

BLACK - GROUND
YELLOW - KEY POWER
RED - CONSTANT POWER

BOSS PULSE BAR
LOCATION: FIREWALL UNDER HOOD

1. Keyed Power
2. Ground
3. Constant Power

STEP 3: Secure Wire Harness

The wire harness should be secured somewhere near the passenger side fire wall. **SEE PHOTO**

RZR XP1000 3-PIN TERMINAL POST

WIRE HARNESS SECURED

STEP 4:   Reverse Wire

The Gear Position sensor is located on the transmission near the rear passenger wheel. Unplug the connector and replace with the PowerMadd Gear Switch Adaptor. Reinstall the factory wire into the PowerMadd Gear Switch Adaptor. **SEE PHOTO**

Depending on your machine, you will use the yellow or red wires connected to the adapter. To determine which wire to use, place the machine in reverse with the key in the on position and look for 1-3 DC volts with a multimeter. If you do not have a mutlimeter, you can use the trial and error method while programming. Start with the yellow wire. If programming fails, try programming with the red wire.

STEP 5: Securing LED Light

Using the RZR 1.75" clamp mount LED light on a rear roll cage tube. The lights can be mounted flush on the General. **SEE PHOTO**.

Reverse light installed on RZR XP 1000

STEP 6: Hooking up the wires

Route the LED light wire from the harness that is placed under the front hood to your LED light and connect the wires. Make sure you avoid all moving and hot surfaces. Secure wire using the included cable ties. Route the yellow wire labeled "reverse switch" down toward the reverse switch. Make sure you avoid moving and hot surfaces. Connect the yellow wire to the PowerMadd Gear Switch Adaptor that you installed in step 3. Secure wires using the included cable ties.

STEP 7: Programming the LED Control Box

NOTE: You must use the Switch included with the kit during the programming procedure. It can be replaced with an aftermarket switch after the programming is completed.

Keyed Power

1) Install the LED control box per included wiring diagram.
2) Put transmission in REVERSE and make sure the key is in the OFF position.
3) Start with key OFF and **bypass switch ON** and wait at least 10 seconds before proceeding.
4) Turn the key 1 or 2 clicks to the ON position (**NOT** the accessory power setting) and wait about 5 seconds or until you see the reverse indicator on the gauge.
5) Turn the bypass switch **OFF and back ON 4 times** - should end up back in the ON position.
6) Wait a few seconds until the backup light flashes twice then stays on indicating successful setup and then turn the key and bypass switch OFF.
7) Test the programming by turning the bypass switch OFF, turning the key On and move the gear selector between gears making sure the light only turns on when placed in REVERSE.

Constant Power

1) Install the LED control box per included wiring diagram except do not connect the positive wire coming from the box.
2) Put transmission in REVERSE and make sure the key is in the OFF position.
3) Connect the positive wire to the power source.
4) With key OFF and **bypass switch ON** wait at least 10 seconds before proceeding.
5) Turn the key 1 or 2 clicks to the ON position (**NOT** accessory power setting) and wait about 5 seconds or until you see the reverse indicator on the gauge.
6) Turn the bypass switch **OFF and back ON 4 times** - should end up back in the ON position.
7) Wait a few seconds until the backup light flashes twice then stays on indicating successful setup and then turn the key and bypass switch OFF.
8) Test the programming by turning the bypass switch OFF, turning the key On and move the gear selector between gears making sure the light only turns on when placed in REVERSE.

Note: If the gear selector if left in the REVERSE position, it will cause a drain on the battery.

Switch pole position with three tab switch

1) Connect the first wire to the center pole
2) Connect the second wire to the pole on the circle side of the switch
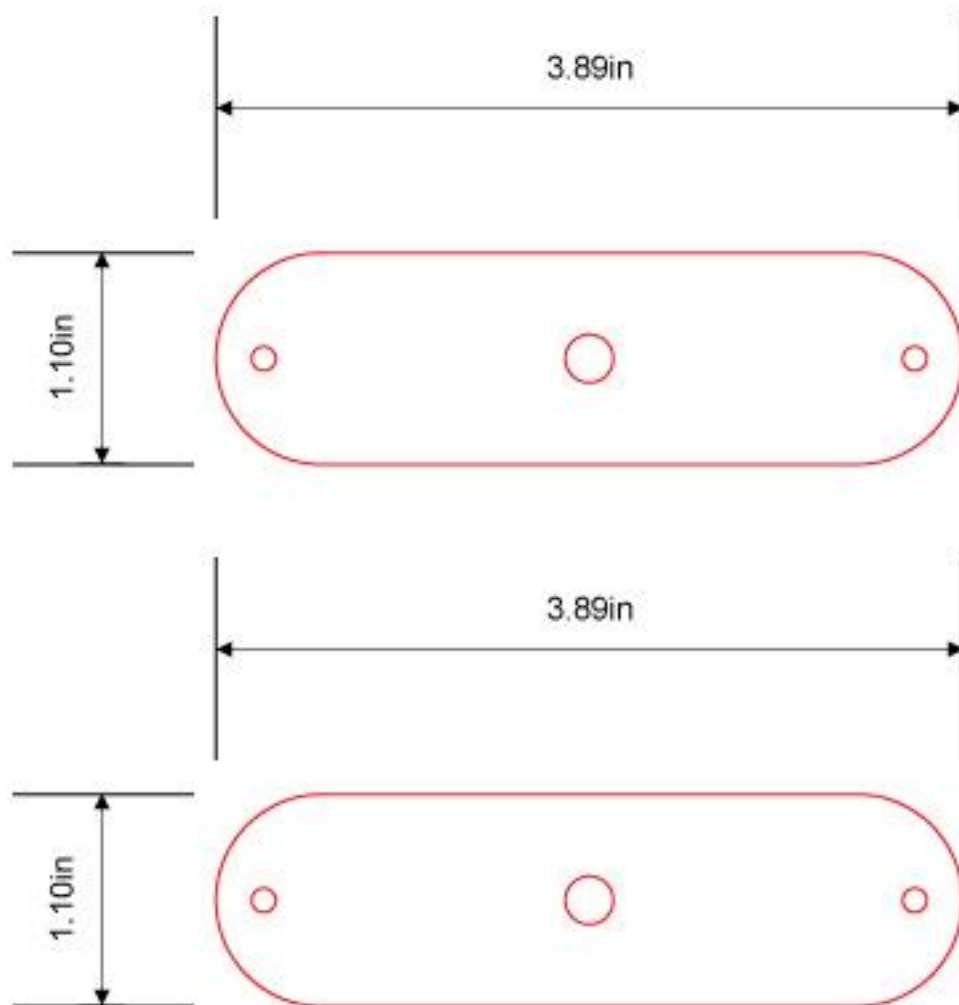3) The circle indicated OFF and the vertical line indicates ON

Troubleshooting
- If light is flashing after programming, battery voltage may be to low.
- Verify the yellow wire is connected to the correct pig tail.
- Verify power source has 12 DC volts.

Template

Make sure the scale is correct before drilling any holes in your machine.

LIMITED WARRANTY

PowerMadd guarantees its products against defects in material and workmanship for a period of twelve (12) months from the original date of purchase. **POWERMADD** shall not be liable for damage or injury caused by defective materials or workmanship. **POWERMADD** may elect to repair or replace this product, but is the sole judge of any defects in their

product. This warranty does not cover any labor costs to remove or reinstall this product and is effect for one year from the original purchase date.