

PIAA

POWERSPORTS

Wiring Harness Installation Instructions

Thank you very much for purchasing a PIAA product.
Please read this entire manual before installation and use of this product.

For Installers

Please give this Installation Manual to customer after installing.



WARNING

- Lighting laws vary state to state, check your local laws before use.
- Do not splash water directly on the hot lamps, as this may cause cracking of the lens due to dramatic change in temperature.
- The lamps and relay harness are to be used only with 12 volt electrical systems.
- Using this light system while the engine is not running will drain the battery.
- Do not repeatedly turn the light system on and off as it will shorten the life of the system.
- Some vehicles generate high voltage at start up and when it is turned off, do not have lights on as you start or turn off your vehicle.
- Using the wrong bulbs may cause a malfunction, use only specified PIAA bulbs.
- Leave at least 1/8" clearance between the lamps and any plastic surface as the heat may damage the plastic.

HARNESS INSTALLATION

When connecting the wires on the harness, follow the wiring diagram and connect them as in the diagram.

1. Route wires from lamp(s) to battery or lighting coil under the gas tank or other protected area. Make sure wires are clear of sharp edges, hot surfaces and any moving parts. **CAUTION:** If lamps are mounted on handlebars, fork legs or other moving surfaces, make sure there is enough wire length for a full range of motion.
2. Connect lamp wire connector(s) to wiring harness connector(s).
3. Connect black ground wiring harness ring terminal to negative (-) battery terminal. If no battery, connect ground to an engine frame bolt.
4. Connect white wiring harness ring terminal to positive (+) battery terminal. If no battery, connect to positive lighting coil wire.
5. Attach switch so it can be conveniently accessed and secure lead wire with wire ties. If mounted on the handlebars, route wire near the pivot and check full range of motion.
6. The switch power lead controls when both the switch and lights can be operated. Choose the best option to connect the switch power lead from the following:
 - A. Connect to ignition switch positive wire. Lights will operate anytime ignition is on.
 - B. Connect to high beam positive wire. Lights will only operate on high beam. Recommended for long range driving lights. Required by some state laws for highway use.
 - C. Connect to low beam positive wire. Lights will only operate on low beam. Recommended for all weather and fog lights. Required by some state laws for highway use.
 - D. Connect to battery or lighting coil positive. Lights will operate anytime with battery and anytime engine is running with the lighting coil.
CAUTION: Direct battery connection has a higher risk of running the battery down.

WIRING DIAGRAM

