

## **Installation Instructions for 41273-NL (non-loop) LED Digital/Bargraph Memory Tachometer**

**NOTE:** Before beginning the installation of this kit, please disconnect the positive battery cable from your vehicle and read all the instructions completely!



### **WIRING INSTRUCTIONS**

**Note:** Automotive circuit connectors are the preferred method of connecting wires. However, you may solder if you prefer.

Thank you for purchasing our **digital bar graph tachometer**. Our gauges are designed and crafted in the US and are built to give you a lifetime of hasslefree operation, providing the gauge and sending unit are installed properly.

**\*\* NOTE: before beginning the installation of this kit please disconnect the positive battery cable from your vehicle and read all the instructions thoroughly! \*\***

### **TACH INSTRUCTIONS**

Our Digital Tachometer requires a signal from your ignition system, either from the negative terminal of your coil or a direct tach output lead from the distributor or electronic control module. In order to isolate the signal wire from electrical noise interference, we recommend routing all tachometer wires as far away from any other voltage or signal carrying wires as possible, especially spark plug wires.

### **WIRING INSTRUCTIONS**

This tachometer is initially calibrated for use with 8 cylinder engines. If you are using it with a 1, 2, 4, 6, 10, or 12 cylinder engine, you must recalibrate the tach for your specific application by utilizing the push button at the bottom of the gauge. (Display will indicate 1cy, 2cy, 4cy, etc.)

### **TACHOMETER INSTRUCTIONS**

**Ground – Black** – Connect to the engine block ground.

**Power – Red** Connect to a switched +12V source, such as the ignition.

**Dimmer – Purple** Connect to the parking lights to dim the LEDs 50% when the headlights are on. However, do not connect to the headlight rheostat control wire; the dimming feature will not work properly. If you don't want your display to dim with the headlights, connect the wire to an engine ground.

**Note:** If you are doing an LS engine swap you will normally need to have the tachometer set at 4-cylinders. You may program the tach by following setting # 2. (see below.) You may also need to order the LS Engine swap adapter kit (# 8014LS). 41273-NL page one of two --



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## **Tachometer (*memory capable*) – Green**

If your vehicle has a **separate ignition coil**, connect the green wire to the **negative (-)** side of the coil – the wire that goes to the points or electronic ignition module.

To ensure that the ignition system does not interfere with any other dashboard functions, do not run the tachometer wire alongside any other sender or input wires. **Do not** use solid core spark plug wires with this instrument. Solid core ignition wires cause a great amount of electromagnetic and radio frequency interference which can disrupt the system's operation.

If your vehicle has a **GM HEI ignition**, connect to the terminal marked 'TACH', or, on some systems, a single white wire with a spade terminal.

If your vehicle has an **after-market ignition** – some systems will connect to the TACH output terminal.

If your vehicle has a **computer controlled ignition system**, consult the service manual for the wire color and location.

If your vehicle has a **magneto system**, connect the tach signal wire to the negative side of the coil. Do not connect the tach terminal to the positive (+ or high voltage) side of the ignition coil.

### **To change settings:**

The display will stay in Settings Mode until it receives a signal from the ignition system. To program the unit after starting the engine, shut the engine off and turn on only to the accessory position. When in accessory mode, the settings menu will scroll through the various settings: a light tap on the button engages the menu system.

1. Sets # of digits in RPM display, using button, display shows: (hundreds) 8800, (tens) 8880, and (ones) 8888.
2. Sets # of cylinders using button, display shows: 1cy, 2cy, etc.
3. Sets first digit on max RPM on gauge bar display (in thousands) using button, display shows: 1000 to 9990.

### **HIGH RPM RECALL**

This tachometer has the ability to recall the highest RPM that your vehicle has obtained since it was last reset. Press the button on the gauge to display the recall value. Press and hold for several seconds to clear memory and reset the recall to "0".

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