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INSTALLATION GUIDE

LED Digital Oil Temperature Gauge

Part Number: M9108/B9108

*** Always disconnect the battery *before* attempting any electrical work on your vehicle.***

KIT COMPONENTS

Oil Temperature Gauge: Displays 50 – 350° F. range
Temp Sender Unit (S8013)

WIRING INSTRUCTIONS

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

Ground – Black--This is the main ground for the display system. A wire should be run from this board to the vehicle engine block for the best ground. Use 18 AWG or larger wire to ensure sufficient grounding. Proper vehicle grounding is extremely important for any gauges (or electronics) to operate correctly. The engine block should have heavy ground cables to the battery, frame, and firewall. Failure to properly ground the engine block, senders, or digital dash can cause incorrect or erratic operation.

Battery Red--Connect the +12 Volt terminal to key on +12V power from the battery. Use 18 AWG wire to *Battery*

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, or the dimming feature will not work properly and may cause damage to Unit.

Water – Blue - This gauge is incompatible with other sending units, so you must replace the existing water temperature sending unit with the included sender. **Do not** use Teflon tape or other sealer on the new sending unit's threads to avoid inaccurate readings. Connect the blue wire to the sending unit. For best results we suggest running a new wire.

NOTE: THE FOLLOWING INSTRUCTION ONLY PERTAINS TO THE TWO TERMINAL SENDER AND CIRCUIT BOARDS THAT ARE WIRED FOR THIS SENDER. NOT ALL KITS WILL CONTAIN A TWO TERMINAL SENDER.

Water –Black/ Blue - This is a ground wire for the two terminal water temp sender. If your dash kit came with the single terminal sender this wire will go to the engine block ground. If using the two terminal sender this will go to the black/blue wire on the sender's harness. If your kit contains a two wire sender and your dash circuit board does not have the Black/Blue wire installed then run this wire coming off the senders harness to the same ground that the dash board is grounded too.