



PYROMETER GAUGE KIT

Installation Instructions

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.

P/N#	Gauge Face Color	Description
1030512-I	Black	0-1500°F Color Coded Post-Turbo Pyro Kit
1030512-IW	White	0-1500°F Non-Color Coded Pyrometer Kit
1030514-I	Black	0-1500°F Color Coded Pre-Turbo Pyro Kit

BD DIESEL PERFORMANCE uses quality **ISSPRO** Incorporated gauges.

Kit Contents

- Pyrometer Gauge
- Pyrometer Control Box (Amplifier) & Wiring Harness
- Bushing (for drilling & tapping into the down-pipe or exhaust manifold)
- Thermocouple & Lead Wire (w/ red & yellow wire extensions)
- Wire Shields (Fiberglass) x 2
- Male and Female Blade Connectors (For Extension Wire) – (2 male connectors for the extension wire, 4 female connectors for the extension wire & gauge illumination)

System Assembly & Thermocouple Connections

- 1) Connect the 4-way male connector located on the pyrometer amplifier wiring harness to the 4-way female connector provided with the gauge.
- 2) Connect the red w/white tracer colored wire from the Isspro harness (negative [-]) to the red thermocouple/extension lead wire.
- 3) Connect the yellow colored wire from the Isspro harness (positive [+]) to the yellow thermocouple/extension lead wire.

NOTE: For easy and effective wire connections, the above wires are provided with a set of blade connectors. 4 foot extension wires are also included if extra length is needed.

Lead Wire

In order to connect the wires from the signal amplifier box to the top of the lead wire, it will be necessary to:

- 1) Bend the red wire up so as to make it even with the yellow wire.
- 2) Slide the fiberglass sleeves over the red & yellow wires.
- 3) Connect the lead wire and connect the blade connectors between the two wire assemblies.
- 4) Pull the fiberglass sleeves over the connections.

Power Supply

Connect the red wire to the ignition (positive [+]) and the black wire to the ground (negative [-]). The supply voltage is 12V DC. There is an optional 24V pyrometer available, please call for pricing.

Lighting

Two ¼" blade terminals are provided for lamp illumination. One blade terminal should be connected to ground and the other to the dash, dimmer switch, or other existing instrument lighting. The bulb voltage must be the same as the system voltage.

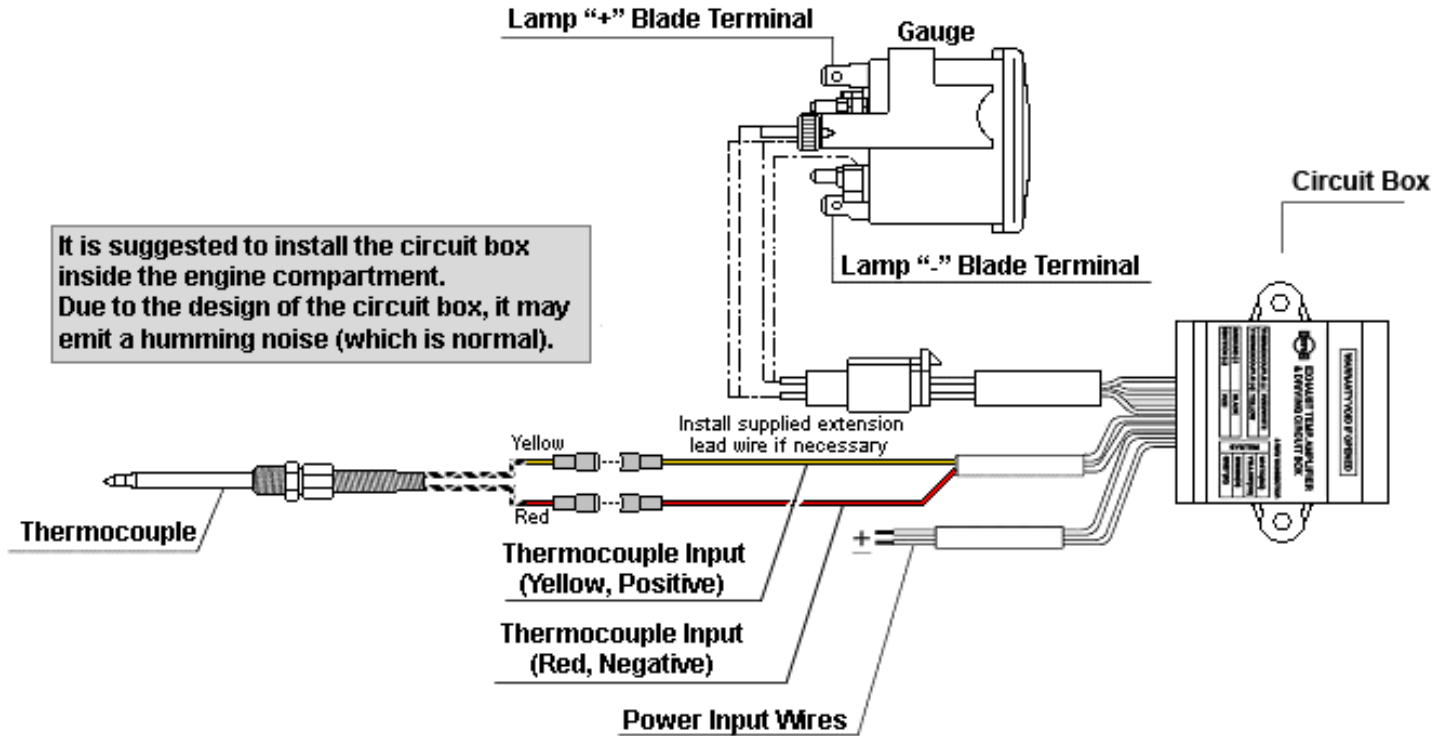
BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com

Connection Diagram



Questions?

If you have problems or technical questions about this kit, then please phone the BD Technical Support Hotline at (800) 887-5030 between 8:30am and 5:00pm, Monday to Friday, Pacific Standard Time (PST). You may also log into our Technical Forums located at <http://www.bd-power.com/forum/>.



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