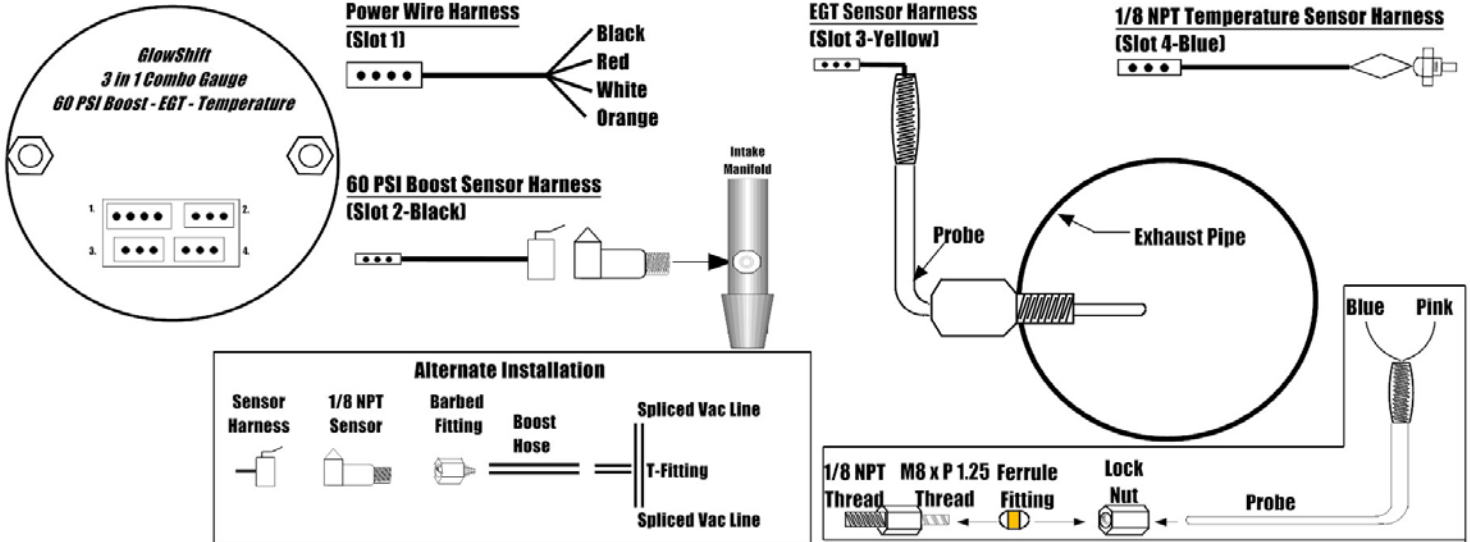


3 in 1 Combo 10 Color Combo Series - Boost - EGT - Temperature Gauge



Power Wire Harness (Slot#1) Color Code

Black: Vehicle / Engine Ground (-)	Orange: 12v Dimmer (switched) Source (+) (optional)
Red: 12v Constant (un-switched) Source (+)	White: 12v Ignition (switched) Source (+)

1. Disconnect the negative battery cable.
2. Using automotive grade wiring (18 gauge), connect the **red wire** to a positive 12 volt constant (un-switched) source, either directly to the battery or to a fuse panel on the vehicle.
 - *If wiring to an un-fused source, install a 3 amp fuse inline within 20 inches of the sources connection. You may obtain an optional "add a circuit" accessory. This component easily fits into your fuse panel and provides an additional fused power wire for accessories such as gauges. This is available at www.GlowShift.com or a local auto parts store.*
3. Using automotive grade wiring (18 gauge), connect the **white wire** to a positive 12 volt ignition (switched) source. It may be connected to the fuse panel, an accessory wire, or any positive 12 volt source that turns on and off with the ignition switch of the vehicle.
4. Using automotive grade wiring (18 gauge), connect the **black wire** from the gauge to any good (unpainted) ground connection. You may also route a wire directly to the negative side of the vehicle's battery.
5. Route the **boost sensor wire harness** from the back of the gauge (**slot #2**) through the firewall to the engine bay. Next, couple and secure the **sensor wire harness** to the boost pressure sensor (0~60PSI). Sensor may be installed 1 of 2 ways:
 - **Turbo Diesel:** You may drill and tap the intake manifold to 1/8 NPT, and directly install the sensor. Next install the included brass barbed fitting and connect to the boost gauge line to obtain a boost pressure reading.
 - **Non-Turbo Diesel:** Thread and secure the included brass barbed fitting (with a 1/8 NPT female thread socket) on to the 1/8 NPT boost pressure sensor. Next, cut any available vacuum line and insert the included t-fitting between the 2 cut pieces of vacuum line. Insert it accordingly, so that the intersecting cross piece of the fitting is left to be connected to the boost hose line. Last, route and connect the boost hose line to the brass barbed fitting and boost sensor. **THESE PARTS ARE NOT INCLUDED BUT ARE AVAILABLE AT WWW.GLOWSHIFT.COM**
6. Route the **EGT sensor wire harness** from the back of the gauge (**slot #3**) through the firewall, engine bay and to the sensor. Next, couple and **secure the EGT sensor wire harness** to the sensor (200°F ~ 2,200°F). There are 3 common way to install the exhaust temperature probe:
 - **Exhaust Probe Adapter Fitting:** This method is not shown, but you may purchase an exhaust pipe probe adapter fitting from www.Glowshift.com or an authorized dealer. This adapter is clamped and tightened around the exhaust pipe and provides a 1/8 NPT fitting for an EGT probe. After positioning and tightening of the adapter clamp, you will then drill your exhaust pipe and then permanently mount the probe through the fitting and into the exhaust pipe.
 - **Exhaust Manifold:** Drill and tap the exhaust manifold to 1/8 NPT. Install the supplied temp sender with probe fittings, bushings, ferrule fitting and nut.
 - **Exhaust Pipe:** Drill and tap the exhaust pipe to 1/8 NPT. Install the supplied temp sender with probe fittings, bushings, ferrule fitting and nut.
7. Route the **temperature sensor wire harness** from the back of the gauge (**slot #4**) through the firewall, engine bay and to the sensor. Next, couple and **secure the sensor wire harness** to the temperature sensor. Install the 1/8NPT supplied sensor to the appropriate temperature monitoring port. (For Transmission, Oil Temp, Coolant Temp or other - 68°F ~ 302°F)
 - *Be sure to use a grommet when routing wires through the firewall to protect them from stripping and damage.*
9. Reconnect the negative battery cable.

Operating Instructions

1. 10-Color Mode:

- 1) Press the **COLOR** button to cycle between the colors.
- 2) The sequence of display colors are: Blue – Green – Red – Yellow – White – Light Blue – Purple – Pink – Orange – Amber. After amber there are two (2) automatic color changing functions on the gauge that begin with the color blue. These include the 10 Color Cycle Mode and the 10 Color Slow Fade Mode.

Additional Installation Information & Material Requirements

- **GlowShift Gauges Approved Conductor Wires:** Successfully installing GlowShift Gauges may require lengths of wire (sizes and quantity depend on vehicle, gauge type, gauge location and / or sensor location). For correct and proper GlowShift Gauge installation and operation, the use of 18 Gauge (wire diameter) automotive grade conductor wire with sheathing is recommended for one or more gauges per vehicle. When installing and routing wires from the engine compartment, to inside the vehicle cabin, always employ the use of a rubber grommet. This will prevent and deter the stripping of power supply and / or sensor wires that is necessary to deliver vital statistics about your engine to your GlowShift engine monitoring instruments. Never use wire nuts to fasten or bound vehicle / gauge or sensor wiring. Always use securing crimp connectors or solder individual wire junctions together for optimum gauge installation and operation.
- **GlowShift Gauges Approved Installation Accessories:** GlowShift Gauges may require the installer or user to provide additional products, accessories or adapters for the correct installation and operation of a gauge or sensor, as per the GlowShift Installation Instructions. When installing and routing hoses to or from the engine compartment, to inside the vehicle cabin, always employ the use of a rubber grommet. This will prevent and deter the stretching or pinching of hoses that is necessary to deliver vital statistics about your engine to your GlowShift engine monitoring instruments.
- **GlowShift Gauges Installation Instructions:** Installation documents are solely to provide a guide for individuals that are mechanically and electronically able to install products. If you are unsure about the correct procedure of installation for a product or device, you should consult a professional mechanic or an Authorized GlowShift Installer.

Limited Warranty and Disclaimer

GlowShift Gauges, LLC. products come with a one year limited warranty on the internal parts of the product. This warranty starts from the date of purchase. GlowShift Gauges, LLC. will replace or repair any qualifying defective product received by the company before the end of the warranty period. Installation of this product must be performed by a licensed professional. Should the failure of the product be the result of damage occurring as a result of improper installation, alteration of the product or an act or omission on the part of the consumer, this warranty is void. GlowShift Gauges, LLC. shall not be responsible for any consequential damages which arise from the use and/or installation of the product. If the kit is installed in any manner other than specified, GlowShift Gauges, LLC. reserves the right to deny any warranty claims at the discretion of the technical support department. The one year warranty is not transferable and is valid for up to one year from the original date of purchase. Any product return must include the original packaging, a statement of the alleged defect and an RMA number must be provided. All RMA numbers are valid for 14 days from issued date. Upon receipt of the returned product, the company will test the product for defect. If the results of the testing do not support the warranty claim, do not reveal any defect or indicate consumer negligence in the installation and handling of the product, then the product will be returned to you and you will be charged a reshipping fee. If the product is returned from an address within the continental United States, within the first 14 days after purchase, and is found to be defective, GlowShift Gauges, LLC. will cover the cost of the return shipping with an emailed return label. This offer is only valid for the continental US. All international shipping, customs fees and/or duty charges are solely the responsibility of the consumer.

Additional Disclaimer Terms

- Improper installation of electricity-using products may cause damage to any vehicle or device to which the improperly handled or installed device is attached.
- Improperly installed product may cause electrical injury to persons.
- It is recommended that the device be installed by a licensed professional.
- GlowShift Gauges, LLC. assumes no liability for the installation of the product.
- Warranty or liability will not exceed the product purchase price which shall be the buyer's sole and exclusive remedy.

[THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE WARRANTIES DESCRIBED ON THE FACE HEREOF INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. (GLOWSHIFT GAUGES, LLC. AT IT'S DISCRETION, MAY PROVIDE REMEDY OF RETURN OF PURCHASE PRICE OR REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCT AS BUYERS SOLE AND EXCLUSIVE REMEDY.)

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