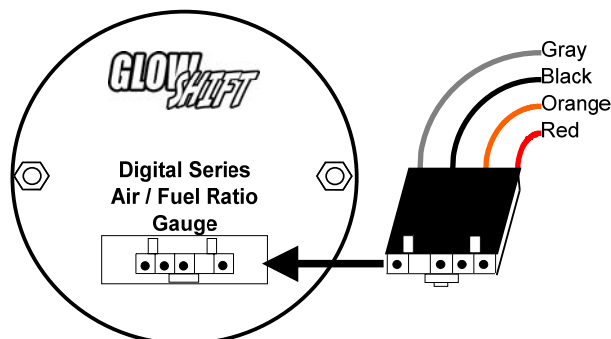


Digital Series - Air / Fuel Ratio Gauge

For Product Numbers: GS-BD02 & GS-RD02



Wire Color Code

Black: Vehicle / Engine Ground (-)	Orange: 12v Headlamp (switched) Source (+)
Red: 12v Ignition (switched) Source (+)	Gray: To NARROW BAND OXYGEN SENSOR SIGNAL WIRE

1. Disconnect the negative battery cable.
2. Using automotive grade wiring (18 gauge), connect the **red wire** from the gauge 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.
 - *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. (Optional) The dimming feature of the Digital Series decreases the brightness of the gauge digits by 30%. Using automotive grade wiring (18 gauge), connect the **orange wire** to a positive 12 volt switched source. The most common installation is to splice and connect to the 12 volt positive headlight source. This step is completely optional.
4. Using automotive grade wiring (18 gauge), connect the **gray wire** to the vehicle Oxygen Sensor signal. You may connect directly to the ECU harness or splice into the signal wire leaving the sensor. This is usually the green wire on the Oxygen Sensor. (0v ~ 1v Output - NARROW BAND SIGNAL ONLY)
5. Again, 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.
6. Reconnect the negative battery cable.
 - *Be sure all of your wiring is correct for proper gauge operation.*
 - ***This gauge should never be connected to a dimmer. Connecting the gauge to any type of dimmer switch unit will cause the gauge to improperly function.***

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.)

GlowShift Gauges, LLC. - 150 Cooper Road - Suite B-6 West Berlin, NJ 08091

Effective 6/2010