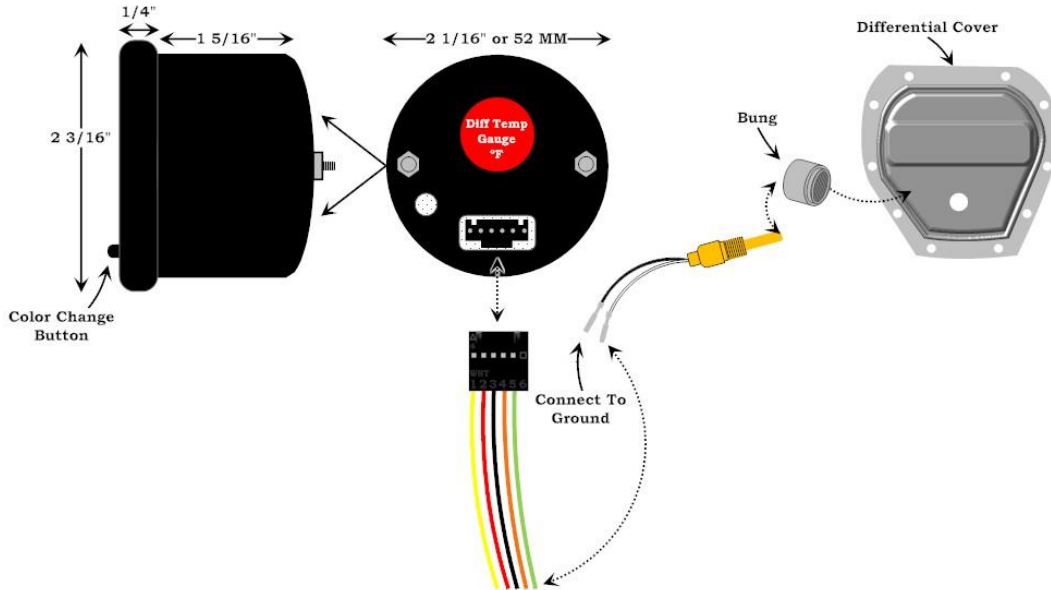


7 Color Series Differential Temperature Gauge

For Product Numbers: GS-C722, GS-T722 and GS-W722



Wire Color Code

Yellow: 12v Constant Source (+) (**un-switched**)

Red: 12v Ignition Source (+) (**switched**)

Black: Vehicle Ground (-)

Orange: 12v Switched Headlamp Source (+) (**optional**)

Green: Connects to the White Wire on the Temperature Sensor

1. Disconnect the vehicle's negative battery cable.

Temperature Sensor Installation

2. We recommend installing the temperature sensor into the rear end differential case cover. We recommend removing the differential case cover for this procedure. Using a 19/32" drill bit, drill a hole into the differential case cover for placement of the included 1/8-27 NPT mild steel weld-in bung. We recommend drilling this hole closest to the drain plug or the bottom of the differential case cover. The weld-in bung can then be welded to the case cover and the temperature sensor can be installed in place. Confirm the sensor is in gear oil. Be sure to use Teflon tape on the sensor threads. **Note:** Some aftermarket case covers may have 1/8-27 NPT port.

Connecting the Power Wire Harness

3. To make the wiring of your gauges easier you can purchase an expandable circuit. This component easily fits into your fuse panel and provides an additional fused power wire for accessories, such as gauges. The expandable circuit is available for purchase at www.GlowShift.com.

4. Route and secure the 18 foot green and black sensor wires down to the location of the installed temperature sensor. Connect the green wire from the harness to the white wire on the temperature sensor and then connect the black wire from the harness to the black wire on the temperature sensor. You can also connect the black wire from the temperature sensor to any good (unpainted) ground connection.

5. Using automotive grade wiring (18 gauge), route and connect the yellow wire to a positive 12 volt constant (un-switched) source either on the vehicle or in the fuse box. If you are connecting the yellow wire directly to the battery, you **MUST** install a 3 amp fuse within 6-8 inches of the battery connection.

6. Using automotive grade wiring (18 gauge); route and connect the red 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.

7. Using automotive grade wiring (18 gauge); route and connect the black wire to any good (unpainted) ground connection. You may also route this wire directly to the negative side of the vehicle's battery.

8. The Nighttime Dimming feature decreases the brightness of the gauge face by 30%. Connect the orange wire to the 12 volt positive headlamp source. This allows the mode to be activated when the headlights come on. This step is optional and will not affect operation of the gauge if it is omitted. Do not connect the orange wire to a dimmer wheel. This will cause the gauge lighting to flicker.

9. Reconnect the vehicle's negative battery cable.

- If your gauge(s) do not illuminate or do not recall your last saved color, your switched and un-switched sources are reversed.
- If your gauge(s) only illuminate red then the yellow wire for constant source is not connected properly.
- Be sure all of your wiring is correct to ensure proper gauge operation.