

### CLASSIC SERIES TRANS TEMP GAUGE



The following instructions are for the installation of your Classic Series Transmission Temperature Gauge. Before you begin, lay out all items and ensure there are no missing parts. If any items are missing, please STOP immediately and contact GlowShift Gauges.

#### WHAT'S INCLUDED

- (52mm) Transmission Temperature Gauge
- 1/8-27 NPT Transmission Temperature Sensor
- Power & Sensor Harnesses
- Mounting Bracket

#### WIRE SCHEMATIC

Red: 12v Ignition Switched Source (+)

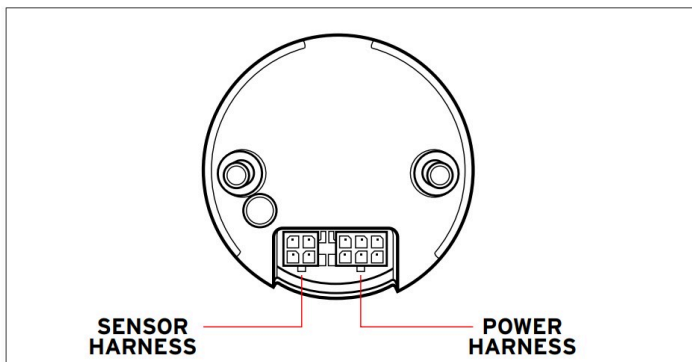
Orange: 12v Headlight Switched Source (+)

Black: Vehicle/Engine Ground (-)

#### ⚠ WARNING

*Disconnect negative battery terminals before starting any work on the vehicle.*

This guide provides detailed instructions for installing a GlowShift Classic Series Transmission Temperature Gauge in your vehicle, covering different connection options and installation steps.



#### CONNECTION METHODS FOR TRANS TEMP GAUGE:

- **Transmission Test Port:** Most vehicle transmissions come equipped with a Test Port Location. This may be located on either the driver or passenger sides of the transmission near the Transmission Oil Pan. The bolt in this port should be removed and the depth of the Test Port should be verified to ensure there is a minimum of 7/8" for the Transmission Temperature Sensor to clear. If there is not enough clearance a Test Port Extender may be used in some applications.

**Note:** A Test Port Extender is needed on all Dodge Ram trucks with an automatic transmission starting with the 1990 TorqueFlite A518 and 46RH through the 2007 with a 48RE. The 2007.5 with a 68RFE Automatic Transmission and newer trucks require a Cooler Line T-Fitting.

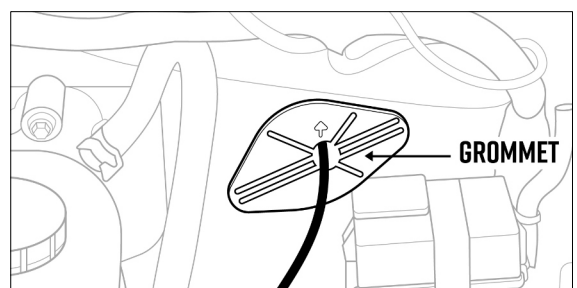
**A Stubby Temperature Sensor is required for all 4L60e Transmissions.**

- **Stock Sensor Location:** Use a T-Fitting (optional) to "T" off your stock sensor location. This will allow you to keep your stock sensor installed, while also allowing you to install an Aftermarket Transmission Temperature Sensor.

- **Cooler Line:** Most vehicle transmissions have two Cooler Lines. Measure your vehicle's Cooler Line to determine what size adapter will be required. Common diameters are 5/16", 3/8", 1/2", 5/8".
  - **Transmission Pan:** Some aftermarket Pans have an available port in order to install a Temperature Sensor. If a port is not available, you can install a Bulk Head Adapter or you can Weld in a Bung.
- Note:** Make sure to have a Catch Pan available for any lost transmission fluid.

#### INSTALLATION STEPS:

1. Prepare the Installation Area:
  - Identify the location for the transmission temperature sensor. Choose one of the following methods: Test Port, Stock Sensor Location, Cooler Line, or Transmission Pan.
2. Apply Teflon Tape:
  - Apply Teflon tape to the threads of the Water Temperature Sensor for a secure, leak-proof installation.
3. Install the Trans Temp Sensor:
  - Install the 1/8-27 NPT Transmission Temperature Sensor into the chosen location (Test Port, Stock Sensor Location, Cooler Line, or Transmission Pan). Tighten the sensor using a 14mm wrench.
4. Connect the Transmission Temp Sensor Harness:
  - Plug the Transmission Temperature Sensor Harness into the sensor.
  - Route the harness through the firewall towards the gauge area. Use a grommet when passing through the firewall to protect the harness from damage.



### 5. Refill Transmission:

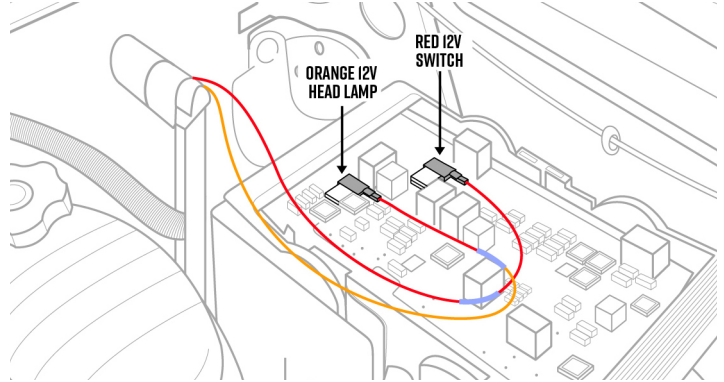
- Before starting the vehicle, refill the transmission to the manufacturer's specifications.

### WIRING CONNECTIONS FOR POWER AND GROUNDING:

- **Power Connection:** Find a 12-volt ignition-switched power source using a test light. Connect the red wire to this power source.
- **Headlight Power Connection:** Use the orange wire for the positive headlight switch power source.
- **Grounding:** Find a reliable grounding source and connect the black wire to it.
- **Test Power:** Turn the ignition to the "On" position to check that the gauge powers on.

### ADDITIONAL INFORMATION:

- **Mounting Bracket:** The bracket is used to secure the gauge, but it may need modification for specific mounting styles.
- **Installation Caution:** Be sure to avoid over-tightening the mounting bracket to prevent damage to the gauge.



### FINAL NOTES:

By following these steps, you can effectively install a GlowShift Classic Series Transmission Temperature Gauge into your vehicle and ensure that it is properly connected and calibrated for accurate readings.



# INSTALLATION INSTRUCTIONS

856.768.8300 • TechSupport@GlowShiftGauges.com

## ONE YEAR NON-TRANSFERRABLE LIMITED WARRANTY & DISCLAIMER

GlowShift Gauges, LLC ("GlowShift") warrants to the original retail consumer purchaser, and not any other purchaser or subsequent owner, that this Product will be free from defects in material or workmanship for a period of **one (1) year** from the purchase date.

For a period of **one (1) year** from the date of purchase, at no charge to the Purchaser, GlowShift will repair or replace this Product if it is determined by GlowShift to be defective. After the warranty period, the Purchaser must pay all charges for parts and labor.

Coverage under this warranty is only valid within the United States, including its territories, as well as in certain other countries. Purchasers should check our website, **www.GlowShift.com**, to determine the warranty coverage in the countries in which they are located.

GlowShift does **not warrant the installation** of the Product, which is the sole responsibility of the Purchaser. Installation should be done by licensed professionals. Improper installation may cause damage to the Product and any vehicle in which it is installed, and may cause burns and electrical injury to individuals. GlowShift's warranty does not cover any expenses incurred in removing Products that are defective or reinstalling replacement Products in their place.

During the warranty period, to have the Product repaired or replaced, the Purchaser must return the Product, freight prepaid by the Purchaser, to GlowShift (but for customers in the contiguous United States, GlowShift will pay the shipping charges if any Product fails during the first sixty (60) days after purchase). The Product must be returned in its original carton or in a similar package affording an equal degree of protection. GlowShift will return the repaired or replaced Product, freight prepaid, to the Purchaser. GlowShift does not provide Purchasers with temporary replacement units during the warranty period or at any other time.

This limited warranty is non-transferrable and will automatically terminate if the original retail consumer purchaser resells the Product or transfers the vehicle in which the Product is installed. An "original retail consumer purchaser" is a person who originally purchases the Product, or a gift recipient of a new Product that is in its original packaging and unopened.

This limited warranty is subject to all of the following terms and conditions:

### TERMS & CONDITIONS

**1. NOTIFICATION OF CLAIMS; WARRANTY SERVICE:** If Purchaser believes that a Product is defective in material or workmanship, written notice with an explanation of the claim shall be given promptly by Purchaser to GlowShift. All warranty claims must be made within the warranty period, and any Products returned to GlowShift must be shipped in accordance with GlowShift's procedures (including use of RMA numbers supplied by GlowShift after notification). The repair or replacement of any Product or part thereof shall not extend the original warranty period. The specific warranty on the repaired part only (not including gauge sensors) shall be in effect for a period of ninety (90) days following the repair or replacement of that part, or the remaining period of the Product warranty, whichever is greater. GlowShift does not provide a warranty on replacement gauge sensors.

**2. EXCLUSIVE REMEDY; ACCEPTANCE:** Purchaser's exclusive remedy and GlowShift's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the repair or replacement fails to remedy the defect. Purchaser's failure to make a claim as provided in paragraph 1 above or continued use of the Product shall constitute an unqualified acceptance of such Product and a waiver by Purchaser of all claims thereto.

**3. EXCEPTIONS TO LIMITED WARRANTY:** GlowShift shall have no obligation to Purchaser with respect to any Product that is subjected to any of the following: abuse, improper use, negligence, accident, modification, failure to follow the operating procedures outlined in the user's manual, failure to follow the maintenance procedures in the service manual for the Product, attempted repair by non-qualified personnel, operation of the Product outside of the published environmental and electrical parameters, or if the Product's original identification (trademark, serial number) markings have been defaced, altered, or removed. GlowShift excludes from warranty coverage Products sold AS IS and/or WITH ALL FAULTS. GlowShift also excludes from warranty coverage any consumable items such as fuses and batteries.

All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product.

**4. PROOF OF PURCHASE; REGISTRATION:** The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility. Registration of any Product or of this limited warranty is voluntary, and failure to register will not diminish any rights available under this warranty.

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### LIMITATION OF LIABILITY

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**GOVERNING LAW:** This non-transferrable limited warranty shall be governed by the law of the State of New Jersey, U.S.A., and the United States of America, excluding their conflicts of laws principles. The courts of Camden County, New Jersey, shall have the exclusive jurisdiction over any legal action with respect to this warranty.

This limited warranty gives specific legal rights. You may also have other rights that may vary from state to state or from country to country. Some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. You are advised to consult applicable state or country laws for a full determination of rights.