

# Installation Guide

## Transmission Temperature Gauge

555-41405 (Black), 555-41407 (White), & 555-41409 (Silver)

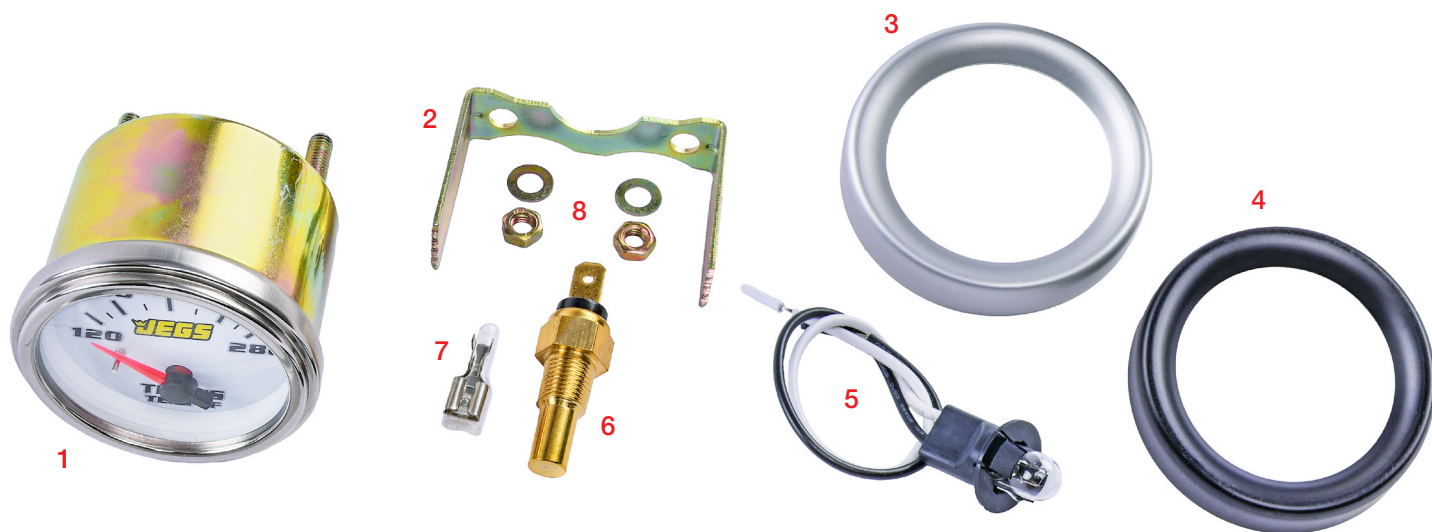
2 1/16 in. Diameter



# Table of Contents

<b>Parts List</b> .....	02	<b>Mounting</b> .....	04
<b>Read Before Installation</b> .....	03	<b>Sensor</b> .....	05
<b>Notes</b> .....	03	<b>Bezel</b> .....	05
<b>Wiring</b> .....	04	<b>Final Assembly</b> .....	05
<b>Lighting</b> .....	04		

# Parts List



1	Transmission Temperature Gauge [ 2 1/16 in.]	5	Gauge Light Socket, Bulb, & Wiring
2	Gauge Mounting Bracket	6	Sensor
3	Silver Bezel	7	Spade Connector & Sleeve
4	Black Bezel	8	Mounting Bracket Hardware

## ***Read Before Installation***

Thank you for your purchase of this JEGS Transmission Temperature gauge. Before installation, please be sure to verify that all of the components have been received. Reference the parts list on the previous page. If any components are missing or damaged please contact customer service at: 1.800.345.4545.

Installation of this gauge requires working with your vehicle's electrical system as well as adding a sensor to the transmission. If you are not comfortable with these processes contact a trusted service shop to perform the installation.

If you are having issues, or have questions regarding the installation of this gauge, please contact our technical support department at: 1.800.345.4545.

**Return Information:** Before modifying any of the parts of this transmission temperature gauge, please trial fit all components. ***Once this kit has been modified, or wires cut it will not be accepted for return.***

## ***Notes***

Please read these instructions completely before performing the installation.

- Always wear personal protective equipment (PPE)
- Let the engine and transmission cool before starting the installation
- Make sure the ignition is off and disconnect the (-) negative battery cable
- This 2 1/16 in. gauge mounts in a 2 1/16 in. hole
- Carefully choose the gauge mounting position to ensure that it does not impair visibility or interfere with driving
- Check behind mounting hole location for wires and hoses before drilling

# Installation

## Wiring

- With the sending unit installed in the transmission, run a length of wire from it to the gauge. Securely fasten the wire so that it is away from heat sources and moving parts.
- Install the included female spade connector, on the sending unit end of the wire. Connect to sending unit.
- At the gauge end of the wire, install an eyelet terminal and secure it to the gauge's (S) post with the included nut.
- Run a second wire from the gauge's (I) terminal to either the ignition switch, or an ignition-on source. Use an eyelet terminal on the gauge end with the supplied securing nut.
- With a third wire, connect the gauge's (G) terminal to a frame or body ground. Use an eyelet terminal on the gauge end with the supplied securing nut.

### Notes:

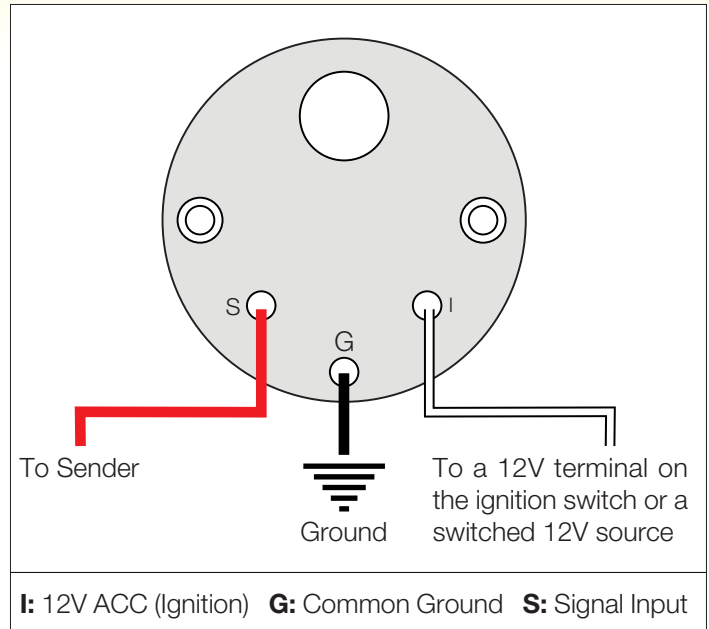
- As a safety precaution, the 12V+ connection should be fused. We recommend using a 1 Amp, fast-acting type cartridge fuse.
- Use 20 AWG stranded or heavier wire.
- Do not over-tighten the securing nut, doing so may damage the gauge.

## Lighting

This gauge is back-lit. The supplied light assembly snaps into the socket hole on the back of the gauge.

### Wiring

- Connect the white wire to a 12V dash light. Doing this makes the light come on when the lights are turned on.
- Connect the black wire to a frame or body ground.



## Mounting

This gauge can be installed by drilling a hole into the dash or console, using a gauge pod, or by using a mounting panel.

1. Dashboard/Console:
  - Drill a 2 1/16 in. hole into the selected location.
  - Clean cut edges to remove burrs.
  - Paint edges to prevent rusting.
  - Insert gauge and secure with supplied bracket and hardware
2. Gauge Pod
  - Press fit into a 2 1/16 in. gauge pod
3. Mounting panel:
  - Select the desired position, drill mounting holes and secure panel with hardware.
  - Insert gauge and secure with supplied bracket and hardware.

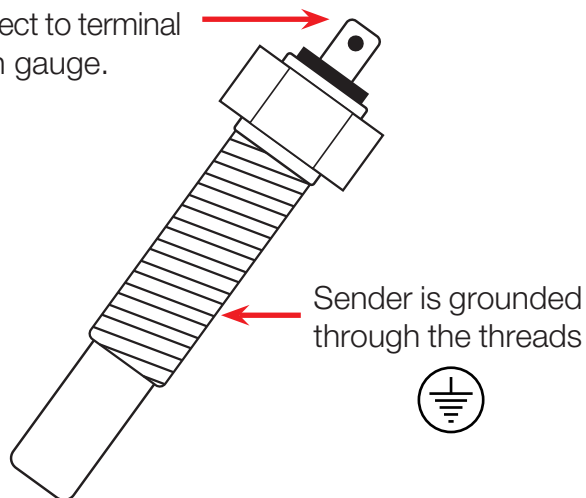
## Wiring Continued

### Sensor

When installing the sensor there are two methods to choose from.

1. Transmission Oil Pan
  - Drill a hole in the side of the pan, making sure there is clearance for the sensor both internally and externally.
  - Depending on the type of pan you can either tap the existing metal, or weld/braze a bung in place.
  - Bolt sensor into place using a small amount of teflon sealing compound on the threads.
2. Transmission Oil Return Line
  - Locate the oil return line and cut the steel tube in a convenient location.
  - Select a properly sized tee-fitting and install with compression nuts
  - Bolt sensor into the top of the tee-fitting using a small amount of teflon sealing compound on the threads.

Connect to terminal (S) on gauge.



### Bezel

This gauge is supplied with two interchangeable bezels, in addition to the permanently mounted bezel. The stock bezel is a polished stepped design. The others are rounded in silver and black.

To install these bezels, apply an adhesive to the inside of the bezel and firmly press it in place on the gauge. See the image below.



### Final Assembly

- After having completed the wiring and gauge installation, reconnect the (-) battery terminal.
- Turn on the ignition and the gauge should read the transmission temperature.
- Turn on the dash lights to make sure the gauge illuminates.
- Start the vehicle and check for leaks at the sensor installation location.