

Product Name: Electrical EGT Gauge
Product Description: EGT Electrical Gauge 400 to 2200 DEG F
Product Number: TS-0701-2011



IMPORTANT NOTES:

- Please thoroughly read and understand these instructions before commencing this installation.
- Ensure that the car and exhaust system are cold before commencement of installation.

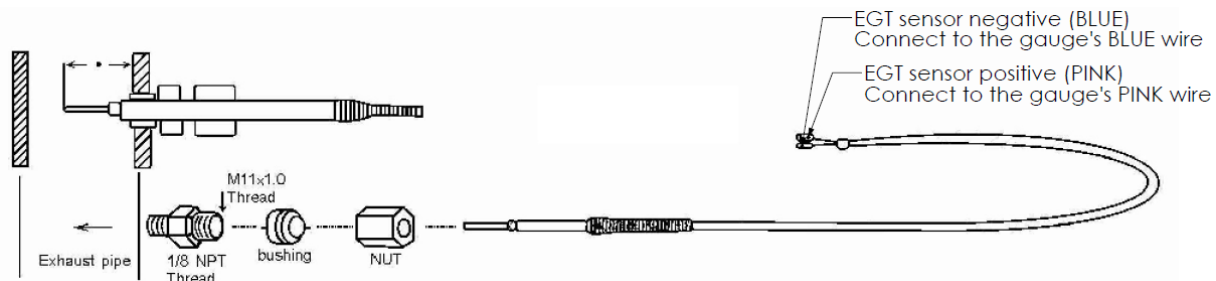
RECOMMENDATIONS

- Turbosmart recommends that your gauge is fitted and adjusted by an appropriately qualified technician
 - Gauge mount cup (TS-0101-2024) Sold separately
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HOW TO INSTALL YOUR EXHAUST GAS TEMPERATURE GAUGE

Exhaust Gas Temperature Sensor

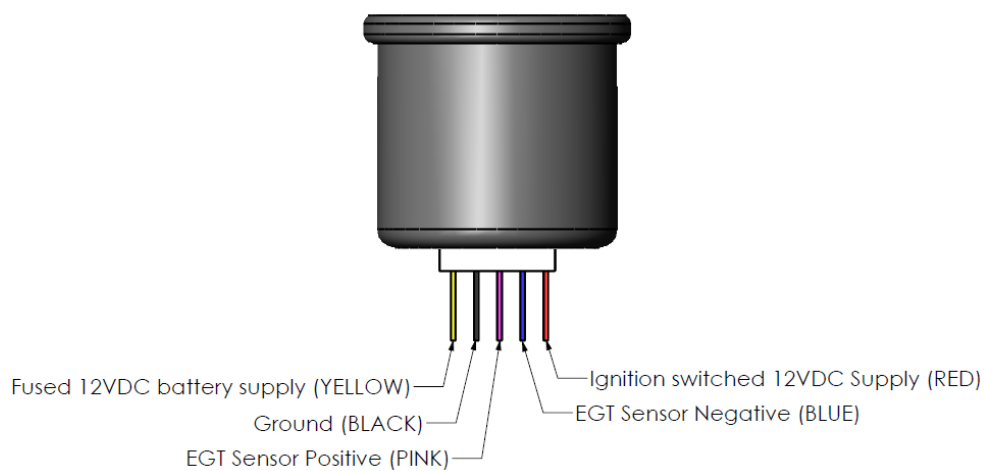
- The exhaust gas temperature (EGT) gauge requires a reliable temperature signal from the exhaust system to provide an appropriate EGT indication.
- After deciding the location of the sensor, drill an 8.70 mm diameter hole. Use a 1/8 NPT tap to thread the hole for the included NPT fitting.
- First secure the 1/8 NPT fitting by hand, and then turn 1.5 revolutions by a socket/spanner. Torque to 3 Nm (2.2 ft.lbf)
- After the 1/8 NPT fitting is securely fastened, insert the bush, nut and thermocouple in series as shown in figure below.
- The thermocouple depth is to be set at approximately half the diameter of the exhaust pipe.
- Secure the sensor assembly by tightening the securing nut. Torque to 6Nm (4.4 ft.lbf)
- Be sure not to over tighten the EGT sensor as it may cause sensor failure or thread damage.
- Route the sensor cable to the gauge. Ensure cable is kept away from heat as much as possible.



Wiring

- Both of the exhaust gas temperature gauge and sensor must be connected to the vehicle's ground (chassis or earth).
- Soldering or crimp on electrical connectors must be used on all electrical connections.
- Unused wires must be insulated with electrical tape in order to prevent unwanted electrical connections.
- Follow safe electrical operating practice.
- Refer to the table and diagrams below for further details

Component	Wire	Connect to
Gauge	Yellow	Fused +12VDC battery supply
Gauge	Red	Ignition switched +12VDC supply
Gauge	Black	Ground (Vehicle chassis or earth)
Gauge	Pink	EGT sensor positive voltage supply
Gauge	Blue	EGT sensor negative voltage supply
EGT Sensor	Pink	Positive voltage supply (connect to gauge pink wire)
EGT Sensor	Blue	negative voltage supply (connect to gauge blue wire)



Operation & Troubleshooting

- Once the electrical connections and EGT sensor installation are completed, turn the car key to "on" position. The EGT gauge will illuminate and the needle will be positioned at a temperature reading.
- Start the car and check for any exhaust leaks.
- The needle position will change relative to the exhaust gas temperature. If the needle does not move relative to the exhaust gas temperature, ensure that all electrical connections are correct and that the EGT sensor is installed correctly as per instructions above.
- Monitor the gauge reading against the operating conditions of the engine. The temperature should be at a minimum during cold start then slowly increase and remain at a normal operating temperature.
- If the display does not illuminate, ensure that the gauge electrical connections are correct.
- If the display illumination/operation is not switched with ignition, ensure that the red wire is connected to an ignition switched source not a constant +12VDC source.
- If the display needle is erratic, ensure that all electrical connections to the EGT sensor are correct.

The Turbosmart Pledge

TURBOSMART ONE YEAR LIMITED WARRANTY

Turbosmart is a company built on Customer Satisfaction and Service. That is why all of our products go through regimented test procedures before they are packaged and shipped. Turbosmart stands behind its products for one full year after purchase. Terms of Warranty, Service and Returns are as follows:

Limited Warranty: Turbosmart warrants its products to be free from defects in material and workmanship under normal use and if properly installed for a period of one year from date of purchase. If found to be defective, it will be replaced or repaired if returned prepaid along with proof of date of purchase. This shall constitute the sole remedy of the purchaser and the sole liability of Turbosmart to the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Turbosmart be liable for special or consequential damages. This warranty is only valid on products purchased from Turbosmart Authorized Dealers.

Service: After the warranty period has expired, repair service is charged based on a minimum and maximum charge rate. (Contact Customer Service for current rate).

Returns: When returning a Turbosmart product for repair, it must be accompanied by a completed Customer Warranty Form and RMA number. To access this form please go to our website www.turbosmartonline.com and you will find it on the Downloads page.

THE TURBOSMART PLEDGE

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We sometimes make mistakes, as do our dealers, distributors and suppliers. Even customers can sometimes order the wrong parts. Do not use, modify, install, trial assemble, nick, drop, scratch or adjust any part until you first check for any damage. Damage must be reported immediately. NO EXCEPTIONS. If there are any components missing please contact your authorized reseller immediately upon receipt of your shipment. Missing components must be reported within five (5) business days of receipt. Parts returned for any reason MUST BE IN RESALABLE CONDITION. It is YOUR responsibility, "THE CUSTOMER" to carefully package any returns to avoid shipping damage. Insurance is highly recommended. Credit cannot be issued for damaged goods.

Turbosmart warrants the quality of the products it designs and manufactures to be free of defects in material and workmanship. This limited warranty is extended only to the original purchaser and may not be transferred or assigned. This limited warranty applies to any product, which after careful inspection by Turbosmart, after receipt of the product from our authorized reseller, is found to have a defect in either material or workmanship. Any modifications to the product will void any and all warranties and will not be exchanged. Before installation, check new car warranty. Turbosmart is not responsible for voiding any original manufactures warranty.

All warranty claims must be returned to the nearest Turbosmart Office, you must return the product and sales receipt, at your own expense, accompanied by the Customer Warranty Form stating the reason for the claim. Proof of purchase must be provided with any warranty claim and will be verified with the authorized reseller from which the product was purchased.

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Happy motoring!
The Turbosmart Team.