

# DynoTune EGT Gauge Installation

## **Congratulations!**

You have purchased one of the finest EGT Gauges on the market. Follow the directions below as a guide for installation and tuning. Remember, The DynoTune Gauge is an instrument that will help guide you to greater performance, but it is only as good as the person using it so be careful and most of all have fun!!

### **Index**

Section 1 Operation overview

Section 2 Installation

Section 3 Tuning guidelines

Section 4 Troubleshooting

Section 5 Specifications

# **Section 1**

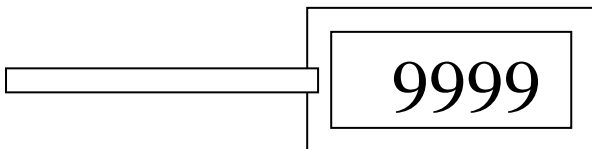
## **Operation overview**

The DynoTune EGT Gauge will display the Exhaust gas temperature flowing out of your engine. The Gauge will display degrees Celsius with resolution to 1 degree. Using an EGT Gauge along with an A/F ratio Gauge is the best way to tune an engine for proper performance. The Exposed tip clamp on probe is one of the best available and will read and display temperature with lightening quickness and great accuracy.

## Section 2

### Installation

- 1) Mount the Gauge in a place where it can be seen. Use the supplied hardware. Route the Gauges electronic box under the dash or cowl but keep in a dry Cool location!
- 2) Drill a hole in the Firewall and feed the probe thought the firewall. Do not cut the probe's cable as this will cause serious temperature errors on the display. Do not run the braided wire near the exhaust or ignitions wires! Make sure and use grommets if passing through the firewall and strain relief as needed. Attach the probe's connector to the Gauges electronic box.
- 3) Drill a 3/16" hole in the exhaust manifold approximately 4 to 6" from the cylinder head, this is just a rule of thumb, location may vary depending on the application. On a turbo application you need to have the probe located between the turbo and the cylinder head, try not to drill into one of the exhaust runners but a more common area that all the exhaust passes through to get a good overall average. The probe is long so make sure it has plenty of room before you drill the hole!
- 4) Insert the probe into the pipe and secure the clamp. Make sure to not bend the braided wire to sharply! Adjust the probe depth as desired (tip should be in the middle of the air flow) and then secure the probe by tightening the compression fitting. Do not over tighten!!
- 5) Connect the "**BROWN**" wires together and run them to a switched 12-volt power source.
- 6) Connect the "**BLUE**" wires together and run them to a good chassis ground or Battery negative.
- 7) Connect the "**WHITE**" wires together and tape up or place a crimp over the wires.
- 8) Connect the "**BLACK**" wires together and tape up or place a crimp over the wires.
- 8) Do not run any wires near the ignition wires or this will damage the display!



**Display orientation**

## Section 3

# Tuning Guidelines

Use the chart below to help guide you in the right direction. The ideal way to tell where your best temperature zone is would be to use a Wide Band o2 sensor on A Chassis Dyno and note the EGT readings. The DynoTune Gauge displays the exhaust gas temperature in degrees Celsius. Typical readings of 600-700C for a performance engine at full throttle.

<b><u>Temperature Chart</u></b>		
<b>Degrees C Gauge reading</b>	<b>Write your notes Here</b>	<b>Degrees F</b>
300		572
350		662
400		752
450		842
500		932
550		1022
600		1112
650		1202
700		1292
750		1382
800		1472
850		1562

## Section 4

### Troubleshooting

- **The Gauge display does not light**-Check all the connections and make sure the wires are not reversed.
- **The Gauge Readout goes negative** Check to make sure you did not reverse the probe wires in the yellow connector or the white and black wires are reversed.

## Section 5 Specifications

	<b>DynoTune1 EGT Gauge</b>	<b>DynoTune 2 EGT Gauge</b>
Min. operating Supply voltage	9 volts	9 volts
Max. Operating Supply voltage	15 volts	15 volts
Current consumption	45 milliamps	50 miliamps
Resolution	1 Degree C	1 Degree C
Max Display reading	999 Degrees C	999 Degrees C
Meter size overall L x W x H Or Round 2 1/16"	.6" x 2.0" x 1.3"	.6" x 2.0" x 1.3"
<b>Green Back-light Display</b>	Yes	No
<b>Red LED Display</b>	No	Yes
Sample rate	4 readings/Sec	4 readings/Sec