



Exhaust Gas Technologies, Inc.
1381 N. Kraemer Blvd.
Anaheim, CA 92806

These instructions contain the necessary steps for installing both the Clamp Style and the Weld-in Style sensor.

IT IS IMPORTANT TO READ ALL RELATED INSTRUCTIONS, PRIOR TO BEGINNING THE INSTALLATION.

EGT Clamp Style Sensor Installation:

1. Select the header tube in which you wish to mount the probe.
2. Locate the sensor location point on the pipe. Each make and model of vehicle or motorsports vehicle has a specific location for the egt sensors on factory-equipped pipes. If you have aftermarket pipes, your system will require a sensor location that is very different from the factory location. Consult your dealer or manufacturer for the proper egt port orientation, or contact EGT.
3. Once the spot is located, drill a .250" (1/4") diameter hole in the header tube.
4. Remove the plastic protective tip from probe.
5. With the sensor inserted through the **un-tightened fitting**, measure the sensors immersion depth into the exhaust stream. The correct immersion should be 1/3 to 1/2 the diameter of the exhaust pipe. This immersion will not cause a significant restriction in exhaust flow or horsepower. When the depth is selected, mark the sensor at the location just above the compression nut with a marker or pen. If more than one probe is to be mounted, it is important that all probes be located at the same immersion depth. Now remove the sensor from the mounting hardware.
6. Install the clamp around the pipe and insert the cone into the 1/4" hole. Tighten the clamp using a 5/16" nut driver or straight blade screwdriver. No ratchet tool please! **DO NOT OVER TIGHTEN THE CLAMP OR DAMAGE WILL RESULT!** If you over tighten the clamp, it will not be able to expand when the pipe gets hot.
7. Insert the sensor through the mounting hardware until the depth mark reaches the top of the compression nut.
8. With the sensor transition spring & lead wire at a 90-degree angle from the exhaust pipe, and using a short 9/16" open- end wrench, tighten the compression nut until the sensor is unable to rotate in the hardware. If necessary, support the square portion of the fitting body with an adjustable wrench.
9. If you have decided to do the Weld-in mounting, proceed to the next page.



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EGT Weld-in Sensor Installation:

1. Select the header tube in which you wish to mount the probe.
2. Locate the sensor location point on the pipe. Each make and model of vehicle or motorsport vehicle has a specific location for the egt sensors on the factory pipes. If you have aftermarket pipes, your system will require a sensor location that is very different from the factory location. Consult your dealer or manufacturer for the correct location for your system, or contact EGT.
3. Once the spot is located, drill a .313" (5/16") inch diameter hole in the header pipe.
4. Remove the plastic tip from the probe.
5. Center the weld-in weldment over the hole and weld it to the header pipe a full 360 degrees. TIG welding is best.
6. Installation the compression cap and ferrule on the welded base and bring it up to finger tight.
7. Now measure the distance from the tip, up the hot leg of the sensor that is equal to the height of the compression fitting plus the desired immersion depth that the sensor will extend into the exhaust stream. Mark that length using a marker or pen on the sensor sheath.
8. Insert the sensor probe through the installed mounting hardware until the mark touches the top of the cap and tighten compression nut using a 9/16" inch open-end wrench. Make sure sensor transition and spring is at a 90-degree angle to the exhaust pipe, if room permits. This will position the sender tip correctly in the exhaust stream.

Lead Wire Installation:

DO NOT HARNESS THE LEAD WIRE TIGHTLY ! Make long sweeping bends and loosely guide the lead-wire to the instrument using the harness ties provided. This will allow the wire to absorb the engine vibration along the wires length. Prevent the wire from touching the exhaust pipe when the hood is in the down position. The warranty does not cover burnt lead wires or wires that are smashed or twisted off.

If you have any questions, please contact us at 1-714-632-0839.



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LIMITED WARRANTY on Parts and Workmanship Snowmobile Sensors

Exhaust Gas Technologies, Inc. warrants its sensor products to be free of defects in materials and workmanship for the period of time stated, depending on the sensor series purchased. Purchaser's only remedy and seller's only liability shall be to repair or replace materials provided by the purchaser to be defective and returned to the seller with a copy of the purchaser's receipt. Seller shall not be liable for any injury, expense, profits, loss or damage, direct, incidental, or consequential, or any other pecuniary loss arising out of the use or inability to use the product in question even if seller has been advised of the possibility of such damages. Because some states do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

The warranted sensor will return ship via surface freight directly to the customer at no charge. **Any other form of shipment will be at the cost of the customer.** The warranty term period is based on the date of manufacture or the actual date of purchase, verified by a legitimate sales receipt. No Exceptions! The date code can be located on the transition body and in front of the relief spring.

A date code example "P 3" means the sensor was manufactured in March of 2008. P = 2008 and 3 is the third month. A code of "M 10" means the sensor was manufactured in October of 2005 and so on.

Each sensor series is warranted as follows:

Avenger Series Sensors..... One (1) year warranty.
Stinger Series Sensors Two (2) year warranty.
Bullet Series Sensors Three (3) year warranty.
Vendetta Series Sensors Two (2) year warranty.
Water and CHT Sensors One (1) year warranty.

Exhaust gas temperatures are intended only for use as a tuning tool. Due to differences in installation location and air flow the reported temperature at the probe may be substantially different from the temperature inside the cylinder. The determination of such differences is the sole responsibility of the user of the equipment.



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Sensor Failures Not Covered by Warranty

Exhaust Gas Technologies, Inc. does not warranty its sensors for physical damage caused by neglect and/or abuse. Crushed or severed sensing wires or sheath. Crushed, severed, cut or burnt sensor lead wires are also not covered under this warranty. Sensors installed in such a manner as to draw the lead wires so tightly as to cause the strain relief spring to deform from its natural shape, will cause the lead wire to break at the point of maximum stress, within the spring area, is not covered by this warranty.

Separate mounting hardware items are not covered by this warranty.

It is the purchaser's responsibility to mount the sensor properly, following the manufacturer's instructions, and to route the sensor's lead wires in such a manner as to prevent the above mentioned failures.