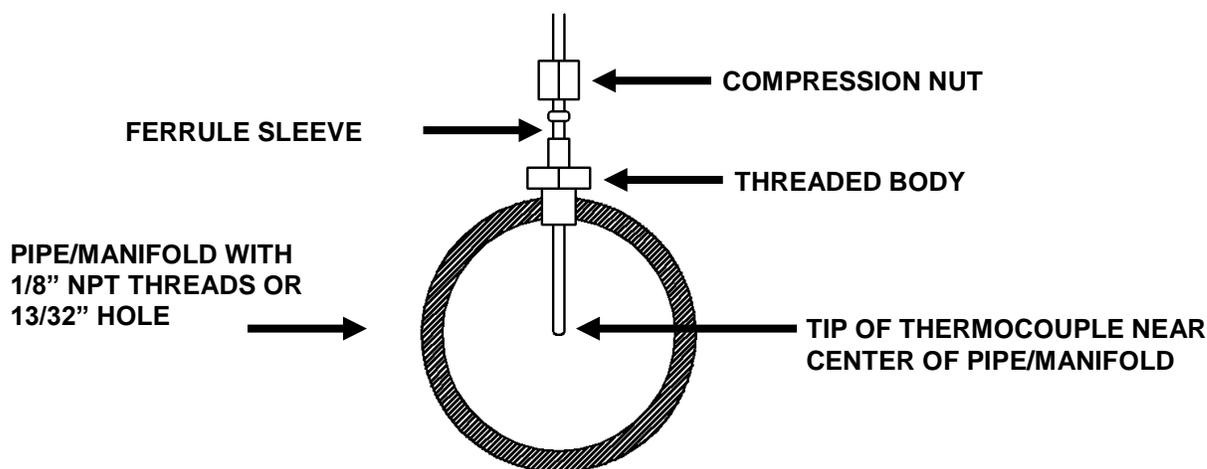




## K-Type Thermocouple

The thermocouple included in the kit comes with a stainless steel compression style mounting adapter. The mounting adapter consists of three pieces: compression nut, ferrule sleeve, threaded body. The threaded body has 1/8" NPT male threads. To install the sensor, the threaded body can either be threaded into a hole with mating 1/8" NPT threads, or welded to the pipe/manifold. Remove the compression nut, ferrule sleeve, and thermocouple from the threaded body. For a welded installation, drill a 13/32" hole and weld the threaded body, being careful not to cause any distortion. For a threaded installation, either thread the body into an existing hole with 1/8" NPT threads or drill a hole using an "R" size drill bit and cut the threads using a 1/8" NPT tap. With the compression nut and ferrule sleeve on the thermocouple, insert the thermocouple into the threaded body so the tip of the thermocouple is near the center of the pipe/manifold and tighten the compression nut to the threaded body.



### Connecting the Thermocouple

It is recommended that you cover the wire connection with heat shrink. ONLY K-Type Thermocouple wire can be used as an extension. Using regular wire will not work. AEM Offers an extension kit (P/N 30-2066) consisting of the proper materials. AEM thermal couples come in two versions, please read the following text carefully to account for the different versions. If your sensor's wires are RED and YELLOW, connect the RED wire from the thermocouple to the RED wire on the extension harness and the YELLOW wire from the thermocouple to the YELLOW wire on the extension harness. If your sensor's wires are RED and BLACK, connect the RED wire from the thermocouple to the YELLOW wire on the extension harness and the BLACK wire from the thermocouple to the RED wire on the extension harness. Make sure the connections are not touching.

ADVANCED ENGINE MANAGEMENT INC.  
2205 126<sup>th</sup> Street Unit A Hawthorne, CA. 90250  
Phone: (310) 484-2322 Fax: (310) 484-0152  
[Http://www.aempower.com](http://www.aempower.com)  
Instruction Part Number: 10-2065

© 2009 Advanced Engine Management, Inc.

Center the heat shrink over the terminals and apply mild heat to the heat shrink until it shrinks over the connections.

<b>Part Number:</b>	30-2065
<b>Sensor Type:</b>	K type Thermocouple
<b>Sheath Material:</b>	Inconel
<b>Mounting:</b>	1/8" NPT Compression Fitting
<b>Max Temp:</b>	1800°F / 982.2°C
<b>Sheath Length:</b>	3" / 76.2mm
<b>Sheath Diameter:</b>	.125" / 3.18mm
<b>Termination:</b>	Ring Terminal
<b>Polarity of Yellow/Red:</b>	<b>+ Yellow - Red</b>
<b>Polarity of Red/Black:</b>	<b>+ Red - Black</b>
<b>Wire Length:</b>	12"
<b>Accuracy:</b>	Greater of 3.96°F / 2.2°C or 0.75%

### **AEM Electronics Warranty**

Advanced Engine Management Inc. warrants to the consumer that all AEM Electronics products will be free from defects in material and workmanship for a period of twelve months from date of the original purchase. Products that fail within this 12-month warranty period will be repaired or replaced when determined by AEM that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12-month warranty period. Improper use or installation, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Product must be received by AEM within 30 days of the date the RMA is issued.

Please note that before AEM can issue an RMA for any electronic product, it is first necessary for the installer or end user to contact the tech line at 1-800-423-0046 to discuss the problem. Most issues can be resolved over the phone. Under no circumstances should a system be returned or a RMA requested before the above process transpires.

AEM will not be responsible for electronic products that are installed incorrectly, installed in a non approved application, misused, or tampered with.

Any AEM electronics product can be returned for repair if it is out of the warranty period. There is a minimum charge of \$50.00 for inspection and diagnosis of AEM electronic parts. Parts used in the repair of AEM electronic components will be extra. AEM will provide an estimate of repairs and receive written or electronic authorization before repairs are made to the product.