

2650-1368-00

All EGT probes must be mounted:

- In the primary header tubes.
- The same distance (one to two inches) from the cylinder head.
- Before the first bend.

To ensure all probes are mounted before the first bend and are the same distance from the head, measure and mark the distance on the header tube that has the first bend closest to the head. After marking this distance on all tubes, drill a 9/16" hole for mounting the bung. Clean the holes to remove any burrs. Install bung and weld 360° around the bung. Install compression fitting and tighten.

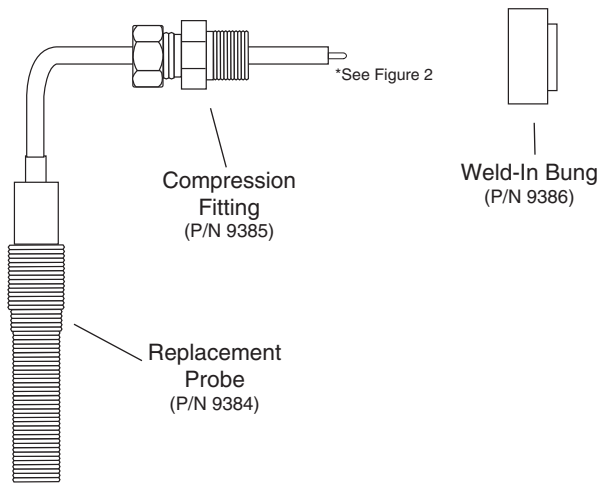


Figure 1.
EGT Probe with Compression Fitting and Weld-In Bung

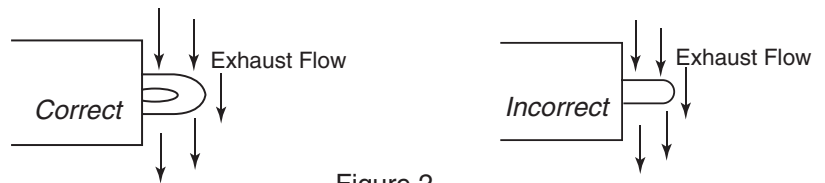


Figure 2.

Shows the correct and incorrect placement of probe.

NOTE: With the enclosed Tip Probe, direction of exhaust flow is not critical.

NOTE: If mounted the incorrect way, the exhaust flow will hit the sensor from the wrong direction, thus bending the sensor.

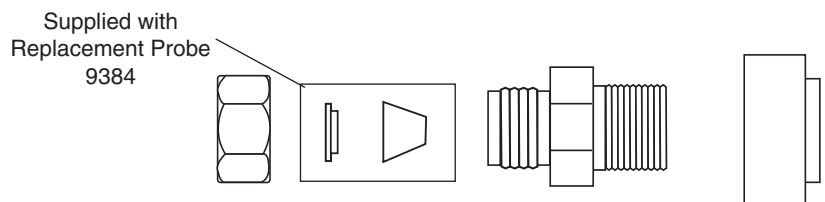


Figure 3.

Exploded view of compression fitting (9385) with weld-in bung

Wiring EGT Probes:

The EGT cables on the probes can be trimmed to fit, stripped and separated for thermocouple connector installation. Each connector has a male and female end, for consistency install all female ends on the EGT probe wires. EGT polarity is very critical and it must be noted the **red** wire is **negative**.

Follow these steps for connector installation:

- Install a 2" piece of heat shrink tubing on the wire. Slide tubing up the wire to get it out of the way.
- Remove 1-1/4" of the outer braided shielding from the end of the wire.
- Remove 1" of the newly exposed brown insulation from the wire.
- Remove 5/16" of insulation off both the red and yellow wire.
- Bend the bare wire to fit around the screws. The wire should now look like Figure 4.

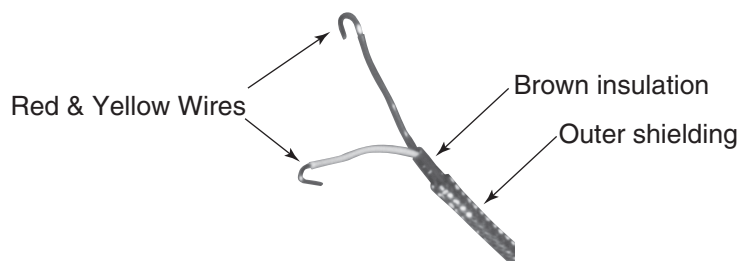


Figure 4. Wires ready for connector

- Install the two wires on the screw terminals of the connector (Red wire negative (-)/Yellow wire positive (+)).
- Twist the connector 1-1/2 turns (Figure 5) and slide the Heat Shrink Tubing into the connector (Figure 6).

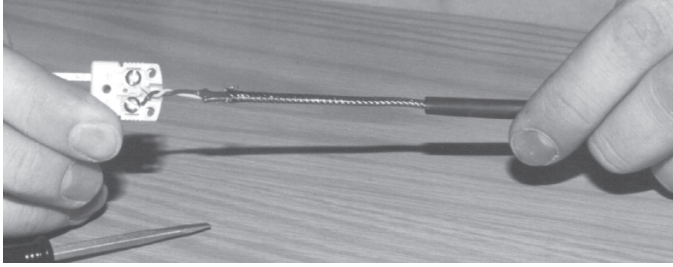


Figure 5. Wires installed and twisted

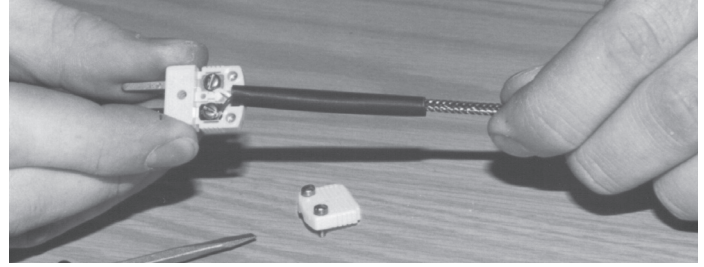


Figure 6. Heat shrink in place

- Shrink the heat shrink tubing with a lighter.
- Install the top of the connector and tighten the screws.

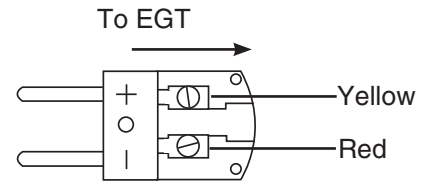


Figure 8. EGT Connector
(P/N 9382)

NOTE: When routing EGT cables, the cables must be a minimum of 6 inches from all other ignition wiring (Figure 9). If wired too close to other wires, erratic EGT readings could occur.

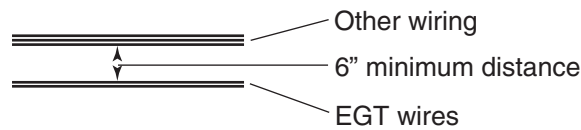


Figure 9. EGT Minimum Distance

SERVICE

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