



ARC2-NE Air/Fuel Ratio Calibrator

Installation Instructions

These instructions are specific to applications where the ARC2-NE is used to increase MAF sensor size or recalibrate fuel mixture after other modifications in a MAF based engine. The ARC2-NE may also be used in certain air flow meter and MAP sensor applications. For best results, solder and heat shrink all connections. Crimp connectors are provided for convenience.

- 1) Find a suitable location to mount the ARC2. It may be mounted in a hidden location if it is going to be adjusted one time or occasionally. Most installations call for the ARC2 to be accessible while driving.
- 2) Secure it in place after routing the wires behind the dashboard. There are threaded mounting holes and 3/16" screws on either side of the ARC2. L brackets are provided for mounting.

☞ **WARNING!** Disconnect the negative terminal of the battery before connecting the **RED** and **BLACK** leads. Be sure you know the code if you have an anti-theft radio before disconnecting the battery.

- 3) Find a convenient screw that is connected to chassis ground. Connect the **BLACK** wire to that screw using one of the ring terminal crimp connectors. The **BLACK** wire provides the power ground for the ARC2.
- 4) Locate a suitable fused +12V connection for the **RED** wire. Good locations are on the fuse block or the +12V line to the MAF sensor. Be sure to connect the **RED** wire to a switched +12V line, otherwise it will drain the battery. The **RED** wire provides the +12V power to run the ARC2.
- 5) The MAF signal wire will be cut and each side will be connected to the ARC2 in the next two steps.
- 6) Connect the **GREEN** wire to the side of the MAF signal wire that goes to the MAF sensor. The **GREEN** wire is the MAF signal input to the ARC2.
- 7) Connect the **VIOLET** wire to the side of the MAF signal wire that goes to the ECU. The **VIOLET** wire is the output of the ARC2.
- 8) Connect the **YELLOW** wire to the 0 to 5V output from the throttle position sensor (TPS).
- 9) Connect the **WHITE** wire to the dashboard panel lights. A convenient location can often be found at a dash light or the ashtray light. The **WHITE** wire should be connected to the wire that goes from 0V to +12V when the lights are turned on. This signal is used to dim the ARC2 display at night.
- 10) Reconnect the negative terminal of the battery.

If you have any difficulty with installation, please call us at (949) 863-1359 for assistance. We hope you enjoy the precise, filtered operation of your new ARC2 air/fuel ratio calibrator. Keep us in mind when your needs call for an oxygen sensor or air/fuel ratio meter.

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