



ARC1 Air/Fuel Ratio Calibrator

Installation Instructions

- 1) Find a suitable location to mount the ARC1. It may be mounted in a hidden location if it is going to be adjusted one time or occasionally. Most installations call for the ARC1 to be accessible while driving. Keep the unit away from extreme heat or moisture.
 - 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 ARC1. 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) Use solder and heat shrink for the best electrical connections. The crimp connectors are provided for convenience and can be used to connect the unit temporarily to verify your connections.
 - 4) Connect the **BLACK** wire to signal ground for the sensor you are using. This will be more accurate than using chassis ground.
 - 5) Locate a suitable fused +12V connection. Frequently the best place is on the fuse block. Connect the **RED** wire to +12V with either a butt or push-on crimp connector. Be sure to connect the **RED** wire to a switched +12V line. Otherwise it will drain the battery. Make sure that the +12V that you connect to is hot during cranking.
 - 6) Locate the signal wire that connects the MAF/MAP sensor to the ECU. Cut that wire.
 - 7) Connect the **GREEN** wire to the signal output of the MAF/MAP sensor.
 - 8) Connect the **VIOLET** wire to the MAF/MAP signal input of the ECU.
 - 9) 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 ARC1 air/fuel ratio calibrator. Keep us in mind when your needs call for an oxygen sensor or air/fuel ratio meter.

THANK YOU FOR CHOOSING SPLIT SECOND