

# FTC1-034 Fuel/Timing Calibrator for Nissan

## Use and Installation Instructions:

- 1) Use with R4 software version 1.5
- 2) Select Vac/Pressure and Programmable Signal Calibrator under system settings. Refer to the FTC1 data sheet for more information.
- 3) Program fuel in Map table A
- 4) The cell values can range from 0 to 20. A value of 10 will result in no change from stock calibration.
- 5) Values greater than 10 make the mixture richer. Values less than 10 make the mixture leaner.
- 6) Cell values can have one decimal place. For example 10.1. There are a total of 200 levels available for cell value
- 7) Program the timing in Map table B
- 8) The cell values can range from 0 to 20. A value of 20 will result in 20 degrees of retard.
- 9) Use the settings for Output B mode under Output Settings to control when the additional fuel pump relay turns on. Typical settings are over RPM and Pressure with thresholds of 1000 RPM and -4 inHg.
- 10) Disconnect the battery before making connections to the factory wiring harness.
- 11) Connect the small gauge **RED** wire (B+) to switched battery positive. This is the supply voltage for the FTC1. The best source of power for this connection is the switched battery wire for the ECU.
- 12) Connect the heavy gauge **RED** wire (B+) to switched battery positive. This is the power source for the auxiliary fuel pump.
- 13) Connect the **RED/BLACK** wire to the positive side of the auxiliary fuel pump.
- 14) Connect the **BLACK** wire (B-) to chassis ground.
- 15) Locate the MAF sensor signal wire and cut it.
- 16) Connect the **GREEN** wire to the MAF sensor side of the cut wire.
- 17) Connect the **VIOLET** wire to the ECU side of the cut wire.
- 18) Locate the crank sensor signal wire and cut it.
- 19) Connect the **BLUE** wire to the wire leading to the crank sensor.
- 20) Connect the **BLUE/WHITE** wire to the wire leading to the ECU crank sensor input.
- 21) Locate the cam 1 sensor signal wire and cut it.
- 22) Connect the **YELLOW** wire to the wire leading to the cam sensor.
- 23) Connect the **YELLOW/BLACK** wire to the wire leading to the ECU cam sensor input.
- 24) Locate the cam 2 sensor signal wire and cut it.
- 25) Connect the **TAN** wire to the wire leading to the cam sensor.
- 26) Connect the **TAN/BLACK** wire to the wire leading to the ECU cam sensor input.
- 27) Reconnect the battery.