

FTC1-017D Fuel/Timing Calibrator for 3.4L Toyota

Use and Installation Instructions (ECU referenced to 2002 Tacoma):

- 1) Use with R4 software
- 2) Select Vac/Pressure and Programmable Signal Calibrator under system settings. Refer to the PSC1 data sheet for more information.
- 3) Program the fuel in Map table A
- 4) A cell value of 10 is neutral. Reduce the cell value to lean the mixture. Increase the cell value to make the mixture richer.
- 5) The highest cell value is 20.0.
- 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 timing retard 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) Cell values can have one decimal place. For example 10.1. There are a total of 200 levels available for cell value
- 10) Disconnect the battery before making connections to the factory wiring harness.
- 11) Connect the **RED** wire (B+) to the **WHITE/RED** wire on ECU pin A(E5)-2
- 12) Connect the **BLACK** wire (B-) to the **BLUE/BLACK** wire on ECU pin D(E8)-11
- 13) Connect the **YELLOW/BLACK** wire (tach) to the **BLACK/YELLOW** wire on ECU pin C(E7)-2
- 14) Cut the **GREEN** MAF sensor wire leading from the stock MAF sensor to ECU pin D(E8)-12
- 15) Connect the **GREEN/YELLOW** wire to the side of the cut wire that leads to the MAF sensor
- 16) Connect the **VIOLET** wire to the side of the cut wire that leads to the ECU
- 17) Cut the **BLUE** (crank sensor) wire leading to ECU pin C(E7)-12
- 18) Connect the **GREEN** wire to the wire leading to the crank sensor
- 19) Connect the **GREEN/RED** wire to the wire leading to the ECU crank sensor input
- 20) Cut the **RED** (cam sensor) wire leading to ECU pin C(E7)-13
- 21) Connect the **BLUE** wire to the wire leading to the cam sensor
- 22) Connect the **BLUE/WHITE** wire to the wire leading to the ECU cam sensor input
- 23) Connect the **PINK/BLUE** (AFR+) wire to the **BLACK** wire on ECU pin D(E8)-14. Leave the **PINK** wire disconnected.
- 24) Cut the **RED** O2 sensor wire leading from the rear O2 sensor to ECU pin D(E8)-27
- 25) Connect the **WHITE** (O2I) wire to the wire leading to the O2 sensor
- 26) Connect the **WHITE/GREEN** (O2O) wire to the wire leading to the ECU
- 27) Reconnect the battery