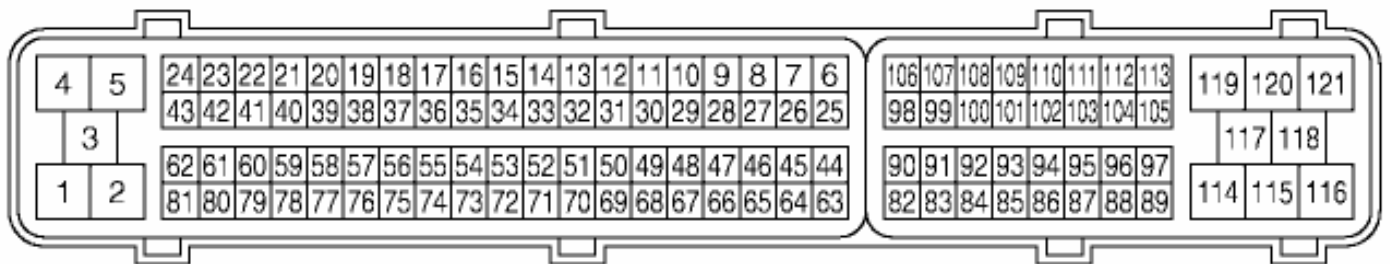


FTC1-109 Fuel/Timing Calibrator for 2006 Nissan Sentra QR25DE

ECU Pinout



Use and Installation Instructions:

- 1) Use with R4 software version 1.5.
- 2) Select Vac/Pressure and Programmable Signal Calibrator under system settings. Select 1-cylinder, 4-stroke under Engine Settings.
- 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 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) Program the enrichment threshold using Output B Mode under Output Settings. The typical settings are Over Pressure and a threshold of 1 psi.
- 10) Disconnect the battery before making connections to the factory wiring harness.
- 11) Use solder and heat shrink for the most reliable connections.
- 12) Connect the **RED** wire (B+) to the red/green wire leading to ECU pin 119.
- 13) Connect the **BLACK** wire (B-) to the black/white wire leading to pin 67.
- 14) Connect the **BLACK/YELLOW** (tach) wire to the brown wire leading to ECU pin 62.
- 15) Locate the blue/red MAF sensor signal wire leading to ECU pin 51 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 yellow crank sensor signal wire leading to ECU pin 13 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 white/red cam sensor signal wire leading to ECU pin 14 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) Connect the vacuum line to the intake manifold.
- 25) Reconnect the battery.