

C.A.T.S. Tuner ECM 89 Parameter List

(ECM Configuration File Version A)

ECM Switch Parameters

BPC Mult. Table Index (X = MAT)
Manual Transmission (0 = TCC)
No Reference Pulses Diag. (Error 12)
O2 Sensor Diagnostic (Error 13)
CTS Sensor High Diagnostic (Error 14)
CTS Sensor Low Diagnostic (Error 15)
TPS Sensor High Diagnostic (Error 21)
TPS Sensor Low Diagnostic (Error 22)
MAT Sensor Diagnostic (Error 23)
Vss Sensor Diagnostic (Error 24)
MAT Sensor High Diagnostic (Error 25)
EGR Diagnostic (Error 32)
MAP Sensor High Diagnostic (Error 33)
MAP Sensor Low Diagnostic (Error 34)
IAC High Diagnostic (Error 35)
EST Monitor Diagnostic (Error 42)
O2 Sensor Lean Diagnostic (Error 44)
O2 Sensor Rich Diagnostic (Error 45)
Batt Volt High Diagnostic (Error 53)

ECM Constants

Spark Reference Angle
Altitude Spark Advance Bias
Base MAT Spark Advance Bias
Cool Temp Comp Spark Advance Bias
EGR Spark Advance Correction Bias
Extended RPM Spark Advance Slope
Extended RPM Spark Adv. RPM Limit
Power Enrich. Spark Advance Correction
Max Spark Advance Relative to Reference
A/C On Max RPM
Fan On Coolant Temp.
Fan Off Coolant Temp.
Fan Disable Speed
Fan Enable Speed
P.E. Enable %TPS Threshold
P.E. Enable %TPS Threshold Hysteresis
Delta %TPS Accel Enrich Enable Threshold
Clear Flood Enable %TPS Threshold
Time Out Run AFR Decay Multiplier
Block Learn Enable Min Coolant Temp.
Block Learn Disable RPM Threshold
Minimum BLM
Maximum BLM
Minimum Integrator
Maximum Integrator
BPW Constant
Closed Loop Minimum Coolant Temp.
Cold O2 Sensor Ready Timer
Warm O2 Sensor Ready Timer
Hot O2 Sensor Ready Timer

Warm O2 Timer Cool. Temp. Thresh.
Hot O2 Timer Cool. Temp. Thresh.
Fuel Cutoff RPM
Fuel Resume RPM
Initial IAC Position P/N Delta Steps
Coolant Over-Temperature Light Enable
Coolant Over-Temperature Light Disable
TCC Enable Coolant Temp. Threshold
TCC Disable Neg. Delta %TPS Threshold
TCC Disable Pos. Delta %TPS Threshold
TCC Enable Speed - A/C Off
TCC Disable Speed - A/C Off
TCC Enable Speed - A/C On
TCC Disable Speed - A/C On
TCC Lock Delay Time
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Main Spark Vs. RPM Vs. MAP
Coolant Compensation Spark Vs. Load, Open Throttle
Cool Compensation Spark Vs. Load, Closed Throttle
Base MAT Spark Adv Correction Vs Vacuum vs MAT
Altitude Spark Adv Correction Vs Vacuum vs Baro
EGR Spark Correction Vs RPM Vs Vacuum
Volumetric Eff. Vs. RPM Vs. MAP, Open Throttle
Volumetric Eff. Vs. RPM Vs. MAP, Closed Throttle
Base Pulse Constant Vs. Vacuum
Base Pulse Constant Multiplier Vs. MAT/Cool. Temp.
Injector PW Correction Vs. Battery Voltage
Open Loop AFR Vs. Coolant Vs. MAP
Crank AFR Vs. Coolant Temp.
Time-Out Run AFR Correction Vs. Coolant Temp.
Time-Out Run AFR Decay Delay Vs. Coolant Temp.
Power Enrichment AFR Vs. RPM
Power Enrich AFR Multiplier Vs. Baro
Power Enrich AFR Multiplier Vs. Time in P.E.
Accel. Enrichment Vs. Differential MAP
Accel. Enrichment Vs. Differential TPS
Target Idle Vs. Coolant Temp Park/Neut
Target Idle Vs. Coolant Temp. In Drive
IAC Warm Park Position Vs. Coolant Temp.
TCC Load Limits (%TPS) Vs. Speed