

C.A.T.S. Tuner ECM 55 Parameter List

(ECM Configuration File Version A)

ECM Switch Parameters

VSS Diagnostic, (Error 24)
EGR Diagnostic, (Error 32)
MAF Sensor High Diag. (Error 33)
MAF Sensor Low Diag. (Error 34)
Magnetic Speed Sensor (X = Present)

ECM Constants

Fuel Cut Off Speed
Fuel Resume Speed
Fan 1 On Coolant Temp (A/C Off)
Fan 1 Off Coolant Temp (A/C Off)
Fan 1 On Coolant Temp (A/C On)
Fan 1 Off Coolant Temp (A/C On)
Fan 1 Minimum On Time
Fan 2 On Coolant Temp (A/C Off)
Fan 2 Off Coolant Temp (A/C Off)
Fan 2 On Coolant Temp (A/C On)
Fan 2 Off Coolant Temp (A/C On)
Fan 2 Minimum On Time
Initial Spark Value
Coolant Compensation Spark Table Bias
MAT Spark Adv. Correction Table Bias
Launch Spark Adv. Correction Table Bias
Highway Mode Spark MAP Disable Thresh
Highway Spark Cool Temp Enable Thresh
Highway Mode Spark RPM Enable Thresh
Launch Spark Max Vehicle Speed
Maximum Spark Advance Limit
Knock Retard Enable Coolant Temp.
Knock Retard Enable RPM
Closed Loop DelayTimer, Cold Engine
Closed Loop DelayTimer, Warm Engine
Closed Loop DelayTimer, Hot Engine
Closed Loop Fuel Enable Coolant Temp.
Stoichiometric AFR
Injector Flow Rate
Minimum Allowable BLM
Maximum Allowable BLM
Minimum Closed Loop Integrator Value
Maximum Closed Loop Integrator Value
Delta TPS Accel Enrich Max Pulse Width
Accel Enrich Delta TPS PW Scale Factor
Accel Enrich Enable Pos Delta TPS Thresh
Minimum Async Pulse Width
IAC Startup Park Position
IAC Offset Added or Fan Anticipate
IAC Offset Added for Fan A/C On
IAC Park/Neutral Offset (Engine Speed)
Throttle Follower Step Interval (in P/N)
Throt. Follower Step Interval (in Drive)
T/F Step Interval Speed Adder (in Drive)

T/F Step Interval Open Loop IAC Adder
% Throttle Follower Slope Gain
Max Throttle Follower Steps (In Drive)
EGR On, (TPS)
EGR Off, (TPS)
Minimum MAT To Enable EGR
AIR Pump Enable Coolant Temp.
Canister Purge - Coolant Temp. Enable
Mass Air Flow Table #1 Scalar
Mass Air Flow Table #2 Scalar
Mass Air Flow Table #3 Scalar
Mass Air Flow Table #4 Scalar
Mass Air Flow Table #5 Scalar
Mass Air Flow Table #6 Scalar
TCC Enable Speed (A/C Off)
TCC Enable Speed (A/C On)
TCC Disable Speed (A/C Off)
TCC Disable Speed (A/C On)
TCC Enable Min. TPS Threshold
TCC Disable TPS Threshold
TCC Enable Delta TPS Thresh.
TCC Disable Delta TPS Thresh.
TCC Enable Coolant Temp
Number of Cylinders
Instrument Panel VSS Pulse Divisor
Road Speed Constant
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Spark Advance Vs. RPM Vs. Load
Coolant Compensation Spark Vs. Load
Power Enrichment Spark (Deg)
Spark Advance Correction Vs. MAT
Knock Attack Rate Vs. RPM (not in P.E.)
Knock Attack Rate Vs. RPM (in P.E.)
Knock Recovery Rate Vs. RPM (not in P.E.)
Knock Recovery Rate Vs. RPM (in P.E.)
Maximum Knock Retard Vs. RPM (not in P.E.)
Maximum Knock Retard Vs. RPM (in P.E.)
Highway Mode Spark Advance Vs. Load
TCC Locked Spark Retard Vs. RPM Vs. Load
Launch Mode Spark Advance Vs. RPM Vs. Load
Time Out Spark Vs. Coolant Temp.
Spark Time Out Decay Rate Vs. Coolant Temp.
Spark Time Out Decay Delay Vs. Coolant Temp.
Power Enrich Enable TPS Threshold Vs. RPM
P.E. % Change to Fuel/Air Ratio Vs. Coolant Temp.
P.E. % Change To Fuel/Air Ratio Vs. RPM
Open Loop %Change To Fuel/Air Ratio Vs Cool Vs MAP
Injector Offset Vs. Battery Voltage
Low Pulse Width Correction Vs. Pulse Width
Accel. Enrich. Pulse Multiplier Vs. A.E. Pulse No.
Accel Enrich Pulse Multiplier Vs. Coolant Temp.
Accel Enrich. Delta TPS Multiplier Vs. Delta TPS
BLM Cell RPM Boundaries
BLM Cell Air Flow Boundaries
IAC Warm Park Position Vs. Coolant Temp
Target Idle RPM Vs. Coolant Temp.

EGR % Duty Cycle Vs. Vacuum Vs. RPM
EGR Duty Cycle Multiplier Vs. Coolant Temp.
EGR Duty Cycle Multiplier Vs. Load
Maximum Air Flow Vs. RPM
Mass Air Flow Table #1 (0-512)
Mass Air Flow Table #2 (512-768)
Mass Air Flow Table #3 (768-1024)
Mass Air Flow Table #4 (1024-1280)
Mass Air Flow Table #5 (1280-1536)
Mass Air Flow Table #6 (1536-1791)
TCC Lower Load Limit Vs. Speed
TCC Upper Load Limit Vs. Speed