

C.A.T.S. Tuner ECM 3A Parameter List

(ECM Configuration File Version N)

ECM Switch Parameters

VSS Diagnostic, (Error 24)
EGR Diagnostic, (Error 32)
MAF Sensor High Diag. (Error 33)
MAF Sensor Low Diag. (Error 34)
Delta TPS A.E. Strategy 1 or 2 (X = 2)

ECM Constants

Fuel Cut Off Speed
Fuel Resume Speed
Fan, Minimum to Enable (Coolant Temp.)
Fan, Maximum Speed to Enable
Fan Hysteresis, (Coolant Temp.)
Fan, Minimum On Time
Initial Spark Value
Coolant Compensation Spark Table Bias
Highway Mode Spark LV8 Disable Thresh
Highway Spark Cool Temp Disable Thresh
Highway Mode Spark RPM Disable Thresh
Maximum Spark Advance Limit
EGR Off, (TPS)
EGR On, (TPS)
Minimum MAT To Enable EGR
IAC Park/Neutral Offset (Engine Speed)
IAC Startup Park Position
IAC Offset Added or Fan Anticipate
IAC Offset Added for Fan A/C On
Closed Loop DelayTimer, Cold Engine
Closed Loop DelayTimer, Warm Engine
Closed Loop DelayTimer, Hot Engine
Closed Loop Fuel Enable Coolant Temp.
Minimum Allowable BLM
Maximum Allowable BLM
Minimum Closed Loop Integrator Value
Maximum Closed Loop Integrator Value
AE Enable Min. Delta LV8 Threshold
Delta TPS Accel Enrich Max Pulse Width
Accel Enrich Delta TPS PW Scale Factor
Accel Enrich Enable Pos Delta TPS Thresh
High TPS Multiplier to Delta TPS for A.E
A.E. High TPS Multiplier Threshold
Minimum Async Pulse Width
Power Enrich Enable Min. LV8 Threshold
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)
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
LV8 Scale Factor
TCC Lock Speed (Mid Gears)
TCC Unlock Speed (Mid Gears)
TCC Lock Speed (High Gear)
TCC Unlock Speed (High Gear)
TCC Enable Min. TPS Threshold (Mid Gear)
TCC Disable TPS Threshold (Mid Gear)
TCC Enable Min TPS Threshold (High Gear)
TCC Disable TPS Threshold (High Gear)
TCC Enable Delta TPS Thresh. (Mid Gear)
TCC Disable Delta TPS Thresh. (Mid Gear)
TCC Enable Delta TPS Thresh. (High Gear)
TCC Disable Delta TPS Thresh (High Gear)
Maximum %TPS for A/C Enabled
Max Positive Delta %TPS for A/C Enabled
Maximum Coolant Temp for A/C Enabled
Number of Cylinders
AIR Pump Enable Coolant Temp.
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Spark Advance Vs. RPM Vs. Load
Coolant Compensation Spark Vs. Load
Power Enrichment Spark (Deg)
Highway Mode Spark Advance Vs. Load
TCC Locked Spark Retard Vs. RPM Vs. Load
Spark Advance Correction Vs. MAT
Time Out Spark Vs. Coolant Temp.
Spark Time Out Decay Rate Vs. Coolant Temp.
Spark Time Out Decay Delay Vs. Coolant Temp.
TPS Threshold Vs. RPM To Enable WOT
%Change to Fuel/Air Ratio At WOT Vs. Coolant Temp.
%Change To Fuel/Air Ratio At WOT Vs. RPM
%Change To Fuel/Air Ratio Vs. Coolant (Open Loop)
%Change To Fuel/Air Ratio Vs. Load, (Open Loop)
Injector Pulse Width Vs. Load Value
Injector Offset Vs. Battery Voltage
Low Pulse Width Correction Vs. Pulse Width
Delta TPS Accel Enrich Pulses Vs. Coolant Temp.
Accel. Enrich. Pulse Multiplier Vs. A.E. Pulse No.
Accel Enrich Pulse Multiplier Vs. Coolant Temp.
Accel Enrich Delta LV8 Factor Vs. Delta LV8
Accel Enrich Delta LV8 Multiplier Vs. Coolant Temp
Accel Enrich Delta LV8 Decay Rate Vs. Coolant Temp
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. RPM Vs. Load
EGR Duty Cycle Multiplier Vs. Coolant Temp.
EGR Duty Cycle Multiplier Vs. Load
TCC Lock %TPS Vs. Speed (Mid Gear)
TCC Unlock %TPS Vs. Speed (Mid Gear)
TCC Lock %TPS Vs. Speed (High Gear)
TCC Unlock %TPS Vs. Speed (High Gear)

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)