C.A.T.S. Tuner ECM_1F Parameter List

(ECM Configuration File Version X)

ECM Switch Parameters

VSS Diagn, Error 24 (X = Enabled)
EGR Diag, Error 32 (X = Enabled)
High MAF Diag, Error 33 (X = Enabled)
Low MAF Diag, Error 34 (X = Enabled)
Knock Diag, Error 43 (X = Enabled)
Delta TPS A.E. Strategy 1 or 2 (X = 2)
Closed Loop Purge Only

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 Advance
Maximum Knock Retard Spark (Not WOT)
Coolant Compensation Spark Table Bias
Highway Mode Spark LV8 Disable Thresh
Highway Spark Cool Temp Disable Thresh
Highway Mode Spark RPM Disable Thresh
Min. Cool. Temp. To Enable Knock Control
Maximum Spark Advance Limit
Spark Advance Added in ALDL Mode
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
Accel Enrich Enable Pos Delta TPS Thresh
A. E. Disable Negative Delta TPS Thresh
Delta TPS Accel Enrich Max Pulse Width
Accel Enrich Delta TPS PW Scale Factor
Power Enrich Enable Min. LV8 Threshold
High TPS Multiplier to Delta TPS for A.E
A.E. High TPS Multiplier Threshold
Minimum Async Pulse Width
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)
TCC Force Lock Speed
TCC Unlock Prevent RPM
Overdrive Disable %TPS (In 4th 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
Display Fuel Flow Rate
AIR Pump Enable Coolant Temp.
PROM ID
Min Allowable MAF Counts (MALF 34)

Tables

ECM Switch Table
ECM Constant Table
Spark Advance Vs. RPM Vs. Load
Coolant Compensation Spark Vs. Load
Power Enrichment Spark Vs. AFR
Highway Mode Spark Advance Vs. Load
TCC Locked Spark Retard Vs. RPM Vs. Load
Knock Retard Attack Rate Vs. RPM
Knock Retard Recovery Rate Vs. RPM
Maximum Knock Retard Vs. RPM, (In WOT)
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
Accel. Enrich. Delta TPS Pulse Mult Vs. A.E. Pulse
Accel Enrich Delta TPS Pulse Mult Vs. Coolant Temp
Delta TPS Accel Enrich Pulses 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
Crank Fuel Pulse Width Vs. Coolant Temp.
Crank Fuel Pulse Width Multiplier vs. %TPS
Startup Fuel/Air Ratio %Change Vs. Coolant Temp.
Startup Enrich Decay Amount Vs. Startup Cool Temp.
Startup Enrich Decay Delay Vs. Startup Cool Temp.
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)