C.A.T.S. Tuner ECM_8E Parameter List

(ECM Configuration File Version P)

ECM Switch Parameters

VATS Select (X =Enabled)
VATS Diagnostic (Error 46)
Vehicle Speed Diagnostic (Error 24)
Knock Diagnositc (Error 43)
Port Throttle Vacuum Diag. (Error 56)
Port Throttle System Diag. (Error 61)
Closed Throttle Spark Advance Enable

ECM Constants

Cylinder Volume
Fuel Cuttoff Speed
Fuel Cutoff RPM
Fuel Resume Speed
Fuel Resume RPM
Injector Flow Rate
RPM Threshold To Enable CARS
% TPS Threshold To Disable CARS
Vehicle Speed Threshold To Disable CARS
Vehicle Speed Threshold To Enable CARS
Speed Threshold To Disable + Reset CARS
Coolant Temp. Threshold To Enable CARS
RPM/Speed Ratio Threshold For 1st Gear
Min. RPM/Speed Ratio For 4th Gear
Max RPM/Speed Ratio For 4th Gear
Fan 1 On Oil Temp. Threshold (Low RPM)
Fan 1 On Oil Temp. Threshold (High RPM)
Fan 1 Hysteresis for Oil Temp Thresh
High RPM Threshold for Oil Temp Fan
Fan 1 On Cool Temp, Low Speed, A/C On
Fan 1 On Cool Temp, High Speed
Fan 2 On Cool Temp, Low Speed, A/C On
Fan Cool Temp High Speed Switch Point
Fan Cool Temp Hysteresis Thresh, Low Spd
Fan Cool Temp Hysteresis Thresh, Hi Spd
Fan 2 On Cool Temp, High Speed
Fan 2 Disable Speed Threshold
Minimum MAP for Power Enrich (PE) Mode
MAP Hysteresis for Power Enrich Disable
TPS Hysteresis For Power Enrich Disable
Maximum Knock Retard (Not In PE)
%VE Table #1 Offset (Port Open)
%VE Table #2 Offset (Port Open)
%VE Table #1 Offset (Port Closed)
%VE Table #2 Offset (Port Closed)
Main Spark Bias (Closed Port)
Main Spark Bias (Port Open)
Cool. Temp. Compensation Spark Adv. Bias
Closed Throttle Spark Advance
O. L. %Change to F/A Ratio Vs Cool. Bias
Closed Loop Enable Cool. Temp (Low MAT)
Closed Loop Enable Cool. Temp (High MAT)

Closed Loop MAT High/Low Threshold
Secondary Inj. On Pulse Width Scalar
Port Throt. To Secondary Inj. Delay
Cool. Temp Port Throt. Disable Threshold
Cool. Temp Port Throt. Enable Threshold
Oil Temp Port Throt. Disable Threshold
Oil Temp Port Throt. Enable Threshold
Minimum Allowable BLM Value
Maximum Allowable BLM Value
BLM Update Enable Coolant Temp.
BLM Update Disable Coolant Temp.
Minimum Integrator Value
Maximum Integrator Value
DFCO RPM Enable Threshold
DFCO RPM Disable Threshold
DFCO MAP Enable Threshold
DFCO MAP Disable Threshold
DFCO RPM Decrease Disable Threshold
DFCO Enable Delay
DFCO Enable TPS Threshold
DFCO Enable Coolant Temp Threshold
DFCO Enable Vehicle Speed Threshold
Throt. Follow Extend Decay Timer
Throt Follower Extend Decay Timer Adder
A/C Disable TPS Threshold
A/C Disable Coolant Temp. Threshold
A/C Disable Oil Temp. Threshold
A/C Enable Oil Temp Threshold Hysteresis
A/C Disable Speed Threshold
A/C Disable RPM Threshold
Max RPM to Check Valet Switch
Max Speed to Check Valet Switch
Road Speed Constant
Instrument Panel VSS Pulse Divisor
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Spark Advance #1 Vs. RPM Vs. Load (Port Closed)
Spark Advance #2 Vs. RPM Vs. Load (Port Closed)
Spark Advance #1 Vs. RPM Vs. Load (Port Open)
Spark Advance #2 Vs. RPM Vs. Load (Port Open)
Coolant Temp. Compensation Spark Advance Vs MAP
Spark Retard Vs. MAT
% Vol. Efficiency #1 Vs. RPM Vs. MAP (Port Open)
% Vol. Efficiency #2 Vs. RPM Vs. MAP (Port Open)
% Vol. Efficiency #1 Vs. RPM Vs. MAP (Port Closed)
% Vol. Efficiency #2 Vs. RPM Vs. MAP (Port Closed)
Port Throttle Opening Point Vs. RPM
Port Throttle Closing Point Vs. RPM
Target Idle RPM Vs. Coolant Temp.
IAC Position Vs. Coolant Temp.
Max. Throttle Follower Steps Vs. Vehicle Speed
TPS Threshold For Power Enrichment Vs RPM
PE %Change to Fuel/Air Ratio Vs. Coolant Temp.
PE % Change to Fuel/Air Ratio Vs. RPM
Injector PW Correction Vs. Battery Voltage
Open Loop %Change To Fuel /Air Ratio Vs Cool Temp
Open Loop %Change To Fuel/Air Ratio Vs MAP

Maximum Knock Retard Vs. RPM (in PE)
Knock Retard Attack Rate Vs. RPM (Deg/msec)
Knock Retard Recovery Rate Vs. RPM (%/sec)
Accel Enrichment Factor Vs. Differential MAP
Accel Enrichment Trim Correction Vs. Coolant Temp.
Accel Enrichment Trim Correction Vs. MAT
Accel Enrichment Decay Delay Vs. Coolant Temp.
BLM Cell RPM Boundaries
BLM Cell MAP Boundaries