

C.A.T.S. Tuner ECM 14 Parameter List (ECM Configuration File Version B)

ECM Switch Parameters

Sync. Mode Closed Throttle Fuel
Transmission Type (X = Manual)
No Reference Pulses (Error 12)
O2 Sensor Open Diagnostic (Error 13)
ECT Sensor High Diagnostic (Error 14)
ECT Sensor Low Diagnostic (Error 15)
TPS High Diagnostic (Error 21)
TPS Low Diagnostic (Error 22)
Vehicle Speed Sensor Diag. (Error 24)
MAP Sensor High Diagnostic (Error 33)
MAP Sensor Low Diagnostic (Error 34)
EST Monitor Diagnostic (Error 42)
O2 Sensor Lean Diag. Enable (Error 44)
O2 Sensor Rich Diagnostic (Error 45)

ECM Constants

Spark Reference Angle
Cool. Comp. Spark Advance Bias
Alt. Spark Advance Correction Bias
Extended Spark RPM Slope
Max RPM for Extended RPM Spark Calc.
Closed Throt. Spark Enable TPS Thresh
Closed Throt. Spark Disable TPS Thresh
Use Max Load in Spark Table Cool. Temp.
Power Enrich Mode Spark Advance
Max Allowable Spark Advance
Max Allowable Spark Retard
Fuel Cutoff Engine Speed
Base Pulse Constant
Min. Base Injector Pulse Width
Min. Async Injector Pulse Width
Max. Async Injector Pulse Width
Minimum Coolant Temp. For Closed Loop
Warm Closed Loop Delay Timer
Cold Closed Loop Delay Timer
Closed Loop Delay Timer Warm Threshold
Minimum BLM
Maximum BLM
O2 Rich/Lean Threshold
Injector Bias Gain Term
Injector Bias Term
Closed Loop AFR Lean Limit
Open Loop AFR Lean Limit
Closed Throttle V.E. Cool Temp Threshold
Power Enrich. Enable RPM Threshold
Power Enrich. Enable Delta TPS Thresh.
Power Enrich. Mode AFR
Power Enrich Enable %TPS Thresh.
P. E. Enable %TPS Thresh. Hyster.
Accel Enrich Enable Delta MAP Threshold
Accel. Enrich. Enable Delta TPS Theshold

Accel Enrich IAC Contribution
Accel Enrich Delta TPS Scale Factor
Decel Enlean Enable Delta MAP Threshold
Decel Enlean Enable Delta TPS Threshold
Decel Enlean Delta TPS Scale Factor
DFCO Enable %TPS Threshold
DFCO Enable MAP Threshold
DFCO Enable Speed Threshold
DFCO Disable Speed Threshold
DFCO Enable RPM Limit
DFCO Disable RPM Limit
Decel Fuel Cutoff (DFCO) Rate
Cold Engine AFR Coolant Temp Threshold
Clear Flood %TPS Threshold
Clear Flood AFR
Desired Idle RPM in Park/Neutral
Idle RPM Adder For A/C On
Idle %TPS Threshold
IAC Steps Added for A/C - in Drive
IAC Steps Added for A/C - in P/N
Idle RPM Control Loop Deadband - Drive
Idle RPM Control Loop Deadband - P/N
IAC Closed Loop Delay - P/N Transition
IAC Motor Initial Position
IAC Kickdown Enable Delta TPS
IAC Kickdown Enable Time Threshold
IAC Kickdown Position Adjustment
Power Steering Stall Enable RPM
Power Steering Stall Disable RPM
Throttle Cracker Enable Delta TPS
Throttle Cracker IAC Offset A
Throttle Cracker IAC Offset B
TCC Lock Speed Threshold
TCC Unlock Speed Threshold
Max. Positive Delta TPS For TCC Enabled
Max. Negative Delta TPS For TCC Enabled
TCC Low MPH Coast Load Limit
TCC High MPH Coast Load Limit
TCC Coast Load Limit High/Low MPH Thresh
TCC Coast Load Limit Hysteresis
TCC Enable Coolant Temp. Threshold
TCC Lockup Delay
TCC Low MPH Release Delay
TCC High MPH Release Delay
Shift Light Enable RPM
Shift Light Enable Vacuum
Shift Light Delay Time
N/V Ratio for 1st Gear
N/V Ratio for 2nd Gear
N/V Ratio for 3rd Gear
N/V Ratio for 4th Gear
RPM Tolerance for 1st Gear
RPM Tolerance for 2nd Gear
RPM Tolerance for 3rd Gear
RPM Tolerance for 4th Gear
A/C Disable %TPS Threshold
Fan Enable Vehicle Speed
Fan Disable Vehicle Speed
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Main Spark Advance Vs. RPM Vs. MAP
Cool Compensation Spark Vs Vacuum
Altitude Spark Advance Correction Vs. MAP
Closed Throttle Spark Advance Vs MAP
%Volumetric Efficiency Vs. RPM Vs. MAP
%Vol. Efficiency Adder Vs. RPM
Closed Throttle Volumetric Efficiency Vs. MAP
Base Pulse Constant Vs. Vacuum
BPW Battery Voltage Correction Vs. Battery Voltage
Base Pulse Inverse Cool Term Vs. Coolant Temp.
Fuel Base Pulse Delay Vs. RPM
Accel Enrich. Delta MAP Factor Vs. Delta MAP
Accel. Enrich Temp. Correction Vs. Cool. Temp.
Decel Enlean Temp. Correction Vs. Cool. Temp.
Decel Enlean Delta MAP Factor Vs. Delta MAP
Crank Air Fuel Ratio Vs. Coolant Temp.
Cold Engine AFR Vs. Vacuum
Time-Out Run AFR Correction Vs. Coolant Temp.
Time-Out AFR Reduction Interval Vs. Cool. Temp.
Integrator Delay Vs. RPM
Transport Lag Vs. RPM
Desired Idle RPM Vs. Battery Voltage
IAC Motor Position Offset Vs. Coolant Temp.
Power Steering Stall IAC Position Offset Vs. Baro
TCC Upper Load Limit Vs. MPH
TCC Lower Load Limit Vs. MPH