

# C.A.T.S. Tuner ECM 53 Parameter List

## (ECM Configuration File Version N)

### ECM Switch Parameters

Manual Transmission (0 = TCC)  
BPC Mult. Table Index (X = MAT)  
O2 Sensor Diagnostic (Error 13)  
No Reference Pulses Diag. (Error 12)  
CTS Sensor High Diagnostic (Error 14)  
CTS Sensor Low Diagnostic (Error 15)  
TPS Sensor High Diagnostic (Error 21)  
TPS Sensor Low Diagnostic (Error 22)  
MAT Sensor Diagnostic (Error 23)  
Vss Sensor Diagnostic (Error 24)  
MAT Sensor High Diagnostic (Error 25)  
EGR Diagnostic (Error 32)  
MAP Sensor High Diagnostic (Error 33)  
MAP Sensor Low Diagnostic (Error 34)  
IAC High Diagnostic (Error 35)  
EST Monitor Diagnostic (Error 42)  
O2 Sensor Lean Diagnostic (Error 44)  
O2 Sensor Rich Diagnostic (Error 45)  
Batt Volt High Diagnostic (Error 53)

### ECM Constants

Spark Reference Angle  
Altitude Spark Advance Bias  
Base MAT Spark Advance Bias  
Cool Temp Comp Spark Advance Bias  
EGR Spark Advance Correction Bias  
Extended RPM Spark Advance Slope  
Extended RPM Spark Adv. RPM Limit  
Power Enrich. Spark Advance Correction  
Max Spark Advance Relative to Reference  
A/C On Max RPM  
Force Fan On Coolant Temp.  
Force Fan Off Coolant Temp.  
Fan On Coolant Temp.  
Fan Off Coolant Temp.  
Fan Disable Speed  
Fan Enable Speed  
P.E. Enable %TPS Threshold Hysteresis  
Delta %TPS Accel Enrich Enable Threshold  
Clear Flood Enable %TPS Threshold  
Time Out Run AFR Decay Multiplier  
Block Learn Enable Min Coolant Temp.  
Block Learn Disable RPM Threshold  
Minimum BLM  
Maximum BLM  
BPW Constant  
Closed Loop Minimum Coolant Temp.  
Cold O2 Sensor Ready Timer  
Warm O2 Sensor Ready Timer  
Hot O2 Sensor Ready Timer  
Warm O2 Timer Cool. Temp. Thresh.

Hot O2 Timer Cool. Temp. Thresh.  
Initial IAC Position P/N Delta Steps  
Stall Saver Disable RPM  
Stall Saver Enable RPM  
EGR Enable Coolant Temp. Threshold  
TCC Enable Coolant Temp. Threshold  
TCC Disable Neg. Delta %TPS Threshold  
TCC Disable Pos. Delta %TPS Threshold  
TCC Enable Speed, A/C Off  
TCC Disable Speed, A/C Off  
TCC Enable Speed, A/C On  
TCC Disable Speed, A/C On  
TCC Lock Delay Time  
PROM ID

## **Tables**

ECM Switch Table  
ECM Constant Table  
Main Spark Vs. RPM Vs. MAP  
Coolant Compensation Spark Vs. Load, Open Throttle  
Cool Compensation Spark Vs. Load, Closed Throttle  
Base MAT Spark Adv Correction Vs Vacuum vs MAT  
Altitude Spark Adv Correction Vs Vacuum vs Baro  
EGR Spark Correction Vs RPM Vs Vacuum  
Volumetric Eff. Vs. RPM Vs. MAP, Open Throttle  
Volumetric Eff. Vs. RPM Vs. MAP, Closed Throttle  
Base Pulse Constant Vs. Vacuum Vs. RPM  
Base Pulse Constant Multiplier Vs. MAT/Cool. Temp.  
Injector PW Correction Vs. Battery Voltage  
Open Loop AFR Vs. Coolant Vs. MAP  
Crank AFR Vs. Coolant Temp.  
Time-Out Run AFR Correction Vs. Coolant Temp.  
Power Enrichment AFR Vs. RPM  
Power Enrich AFR Multiplier Vs. Time in P.E.  
Power Enrich AFR Multiplier Vs. Baro  
Power Enrich Enable %TPS Thresh. Vs. RPM Vs. Baro  
Accel. Enrichment Vs. Differential MAP  
Accel. Enrichment Vs. Differential TPS  
Target Idle Vs. Coolant Temp Park/Neut  
Target Idle Vs. Coolant Temp. In Drive  
IAC Warm Park Position Vs. Coolant Temp.  
TCC Load Limits (%TPS) Vs. Speed  
Time-Out Run AFR Decay Delay Vs. Coolant Temp.