C.A.T.S. Tuner ECM_5B2 Parameter List
(ECM Configuration File Version G)

ECM Switch Parameters

EGR TCC Locked Modifier (X = Lookup)
VATS Select (X = Enabled)
Vehicle Speed Diagnostic (Error 24)
QDM Diagnostic (Error 26)
2nd Gear Switch Diagnostic (Error 27)
3rd Gear Switch Diagnostic (Error 28)
4th Gear Switch Diagnostic (Error 29)
P/N Swtich Diagnostic (Error 31)
TCC Brake Switch Diagnostic (Error 38)
TCC Diagnostic (Error 39)
Knock Diagnostic (Error 43)
P/S Pressure Sw Diagnostic (Error 46)
UART Data Link Diagnostic (Error 47)
VATS Diagnostic (Error 58)
EGR Solenoid #3 Diagnostic (Error 63)
EGR Solenoid #2 Diagnostic (Error 64)
EGR Solenoid #1 Diagnostic (Error 65)

ECM Constants

Spark Reference Angle
Coolant Compensation Spark Bias
MAT Spark Advance Bias
EGR %TPS Enable Threshold
EGR %TPS Disable Threshold
Fan 1 On Coolant Temp.
Fan 1 Off Coolant Temp.
Fan 1 Disable Speed Threshold
Fan 1 Enable Speed Threshold
Fan 2 On Coolant Temp.
Fan 2 Off Coolant Temp.
Fuel Cutoff RPM
Fuel Resume RPM
Fuel Cutoff Speed
Fuel Resume Speed
Injector Flow Rate
Minimum BLM
Maximum BLM
BLM RPM Cell Boundry Hysteresis
BLM Cell Air Flow Boundry Hysteresis
Closed Loop Enable Cool. Temp Threshold
Warm Closed Loop Timer
Cold Closed Loop Timer
Warm/Cold Closed Loop Timer Threshold
DFCO Enable RPM Threshold
DFCO Disable RPM Threshold
DFCO Enable LV8 Threshold
DFCO Disable LV8 Threshold
DFCO Disable RPM Decrease/50 msec Thresh
DFCO Enable Delay Time
DFCO Disable %TPS Threshold
DFCO Enable Coolant Temp. Threshold

Delay Between Throt Follow Steps (Drive)
Delay Between Throt Follow Steps (P/N)
Min Delay Between O/L IAC Steps (Drive)
Min Delay Between O/L IAC Steps (P/N)
Max Incr. Over Min Delay in O/L Steps
Idle Speed Throttle Follower Slope Gain
Idle Speed Throttle Follower P/N Scalar
TCC Enable Coolant Temp. Threshold
TCC RPM Enable Threshold
TCC Enable %TPS Threshold, 3rd Gear
TCC Disable %TPS Threshold, 3rd Gear
TCC Enable %TPS Threshold, 4th Gear
TCC Disable %TPS Threshold, 4th Gear
TCC Enable MPH Threshold, 3rd Gear
TCC Disable MPH Threshold, 3rd Gear
TCC Enable MPH Threshold, 4th Gear
TCC Disable MPH Threshold, 4th Gear
Road Speed Constant
Instrument Panel VSS Pulse Divisor
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Main Spark Table
Cool Compensation Spark Advance
MAT Spark Advance Vs Load
TCC Locked Spark Advance Vs. RPM Vs. Load
Knock Retard Recovery Rate Vs. RPM (%/sec)
Knock Retard Attack Rate Vs. RPM (Deg/msec)
Engine Efficiency Vs. RPM Vs. AFR
BLM Cell RPM Boundaries
BLM Cell MAF Boundaries
Injector Offset Vs Battery Voltage
Open Loop AFR Vs Load Vs. RPM
DTPS Accel. Enrich. Mult. Vs. Cool. Temp. In P/N
DTPS Accel. Enrich. Mult. Vs. Cool. Temp. In Drive
Delta TPS Accel. Enrich. Mult. Vs. Air Temp.
Power Enrich. TPS Threshold Vs. RPM
Power Enrich. AFR Vs. Coolant Temp.
Power Enrichment Fuel Trim Vs. RPM
Power Enrich % Change to AFR Vs. Time in P.E.
Taget Idle RPM Vs. Coolant Temp. (In Park/Neutral)
Taget Idle RPM Vs. Coolant Temp (In Drive)
Throttle Follower Correction Vs. Vehicle Speed
Max. Throttle Follower Steps Vs. Vehicle Speed
Crank Fuel Pulse Width Vs. Coolant Temp.
Crank Fuel Pulse Width Multiplier Vs Ref. Pulses
Crank Fuel Enleanment Multiplier Vs. RPM
Crank Fuel Pulse Width Multiplier Vs. % TPS
EGR % D. C. Vs. Load Vs. RPM, TCC Unlocked
EGR % D. C. Vs. Load Vs. RPM, TCC Locked, 3rd Gear
EGR % D. C. Vs. Load Vs. RPM, TCC Locked, 4th Gear
EGR % DC Multiplier Vs. Load, TCC Locked, 3rd Gear
EGR % DC Multiplier Vs. Load, TCC Locked, 4th Gear
EGR % DC Multiplier Vs. Coolant Temp.
TCC Max. %TPS Thresh. to Lock Vs. MPH, 3rd Gear
TCC %TPS Thresh. to Unlock Vs. MPH, 3rd Gear
TCC Max. %TPS Thresh. to Lock Vs. MPH, 4th Gear
TCC %TPS Thresh. to Unlock Vs. MPH, 4th Gear

MAF Vs. Output Frequency Table 1
MAF Vs. Output Frequency Table 2
MAF Vs. Output Frequency Table 3
MAF Vs. Output Frequency Table 4
MAF Vs. Output Frequency Table 5
MAF Vs. Output Frequency Table 6
MAF Vs. Output Frequency Table 7
MAF Vs. Output Frequency Table 8