

C.A.T.S. Tuner ECM 61 Parameter List

(ECM Configuration File Version P)

ECM Switch Parameters

Vss Diagnostic (Error 24)
EGR Diagnostic (Error 32)
Knock Diagnostic (Error 43)
VATS Diagnostic (Error 53)
VATS Select
Shift Light (Man) = X, TCC (Auto) = O

ECM Constants

Initial Spark Advance
Main Spark Bias
Main Spark Extended RPM Limit (> 3600)
Extended Spark RPM Slope
Cool Compensation Spark Table Bias
Highway Mode Spark Adv. Load Threshold
Highway Mode Spark Adv. Speed Threshold
Maximum Spark Advance
Spark Advance Added in ALDL Mode
Number of Cylinders
BPW Constant
Fuel Cutoff Speed
Fuel Resume Speed
IAC Park Position
Target Idle (A/C Off)
Target Idle (A/C On)
Maximum Cold Engine Speed
Maximum Hot Engine Speed
Minimum Coolant Temp. For Closed Loop
Warm Closed Loop Delay Timer
Cold Closed Loop Timer
Maximum RPM For BLM Enable
Minimum MAP for BLM Enable
Maximum MAP for BLM Enable
Maximum BLM
Minimum BLM
BLM RPM Boundary Hysteresis
BLM MAP Boundary Hysteresis
Minimum Integrator Value
Maximum Integrator Value
EGR Off, (TPS)
EGR On, (TPS)
EGR Off, (Speed)
EGR On, (Speed)
EGR Off, (Low MAP Threshold)
EGR On, (Low MAP Threshold)
Air Divert Disable Coolant Temp.
Air Divert Enable MPH Threshold
TCC Lock, (Low Gears)
TCC Unlock, (Low Gears)
TCC Lock, (Hi Gears)
TCC Unlock, (Hi Gears)
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Main Spark Advance Vs. RPM Vs. Load
Cool Compensation Spark Advance Vs Load
Power Enrichment Spark Correction Vs. Load
Highway Mode Spark Advance Vs. Vacuum
TCC Locked Spark Advance Correction Vs. Vacuum
Knock Attack Rate Vs. Vacuum (Not In P.E.)
Knock Recovery Rate Vs. Vacuum (Not In P.E.)
Max Knock Retard Vs. MAP
Knock Attack Rate Vs. RPM (In P.E.)
Knock Recovery Rate Vs. RPM (In P.E.)
Max Knock Retard Vs. RPM (in P.E.)
Main Fuel Table #1, %Volumetric. Efficiency
Main Fuel Table #2, %Volumetric. Eff. Adder
BPW Constant Vs Vacuum (EGR On)
BLM Cell RPM Boundaries
BLM Cell MAP Boundaries
TPS Threshold Vs. RPM for P.E. Mode
Power Enrichment AFR Vs. RPM
Accel. Enrichment Vs. Differential TPS
Accel. Enrichment Vs. Differential MAP
Accel. Enrich Correction Factor Vs. Coolant Temp.
Open Loop AFR Correction Vs. MAP
Open Loop Air Fuel Ratio Vs. Coolant Temp.
Air Fuel Ratio at Startup Vs. Cool. Temp. (Choke)
Choke Air Fuel Ratio Multiplier Vs. Coolant Temp.
Crank Air Fuel Ratio Vs. Coolant Temp.
Rich O2 Voltage Threshold Vs. Air Flow
Lean O2 Voltage Threshold Vs. Air Flow
Unfiltered O2 Mean Rich/Lean Thresh Vs. Air Flow
IAC Steps Vs. Coolant Temperature
TCC Load Limits Vs MPH (Low Gears)
TCC Load Limits Vs. MPH (High Gears)