

C.A.T.S. Tuner ECM 27A Parameter List (ECM Configuration File Version B)

ECM Switch Parameters

Manual/Auto Transmission (X=Manual)
Knock Retard Option (X=Enabled)
No Reference Pulse Diag. (Error 12)
O2 Sensor Open Diagnostic (Error 13)
ECT Sensor High Diagnostic (Error 14)
ECT Sensor Low Diagnostic (Error 15)
TPS Sensor High Diagnostic (Error 21)
TPS Sensor Low Diagnostic (Error 22)
Vehicle Speed Sensor Diag. (Error 24)
EGR Diagnostic (Error 32)
MAP Sensor High Diagnostic (Error 33)
MAP Sensor Low Diagnostic (Error 34)
EST Monitor Diagnostic (Error 42)
Knock Sensor Diagnostic (Error 43)
O2 Sensor Lean Diagnostic (Error 44)
O2 Sensor Rich Diagnostic (Error 45)
PROM Diagnostic (Error 51)
CAL Pack Missing (Error 52)
FPR Malfunction (Error 54)
ADU Diagnostic (Error 55)

ECM Constants

Main Spark Bias
Base Cool. Adv. Correction Table Bias
Initial Spark Advance
Extended RPM Spark RPM Slope
Max RPM for Extended RPM Spark
Max Allowable Spark Advance
Max Allowable Spark Retard
Bypass Power Enrich. Delay RPM
BPW Constant
Target Idle RPM, A/C Off
Target Idle RPM, A/C On
IAC Motor Park Position
Max IAC Motor Position
Number of Cylinders
Minimum BLM Value
Maximum BLM Value
BLM RPM Boundary Hysteresis
BLM MAP Boundary Hysteresis
Block Learn Update Rate
Minimum Integrator Value
Maximum Integrator Value
Stoichiometric AFR
EGR Disable Coolant Temp. Threshold
EGR Enable Coolant Temp. Threshold
EGR Enable %TPS Threshold
EGR Disable %TPS Threshold
EGR Enable Speed Threshold
EGR Disable Speed Threshold
TCC Unlock Prevent Speed

TCC Lock Speed, Low Gears
TCC Unlock Speed, Low Gears
TCC Lock Speed, High Gear
TCC Unlock Speed, High Gear
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Main Spark Advance Vs. MAP Vs. RPM
Base Cool. Adv. Correction Vs. Load Vs. Cool. Temp
Power Enrichment Spark Adder Vs. RPM Vs. Baro.
EGR Spark Advance Vs. % EGR
Volumetric Efficiency Vs. RPM Vs. MAP
Volumetric Efficiency Adder Vs. RPM
Power Enrich. Enable TPS Threreshold Vs. RPM
Power Enrich. Air Fuel Ratio Vs. RPM
Accel. Enrich. PW Vs. Differential %TPS
Accel. Enrich. PW Adder Vs. Differential MAP
Accel. Enrich. Correction Factor Vs. Coolant Temp.
Open Loop AFR Vs. Coolant Temp.
Air Fuel Ratio at Startup Vs. Cool. Temp. (Choke)
Open Loop Air Fuel Ratio Vs. MAP
Choke Air Fuel Ratio Mult. Vs. Coolant Temp.
Crank Air Fuel Ratio Vs. Coolant Temp.
BLM Cell RPM Boundaries
BLM Cell MAP Boundaries
BPW Constant Vs. Air Flow Vs. %EGR
% EGR Vs. Load Vs. RPM
EGR % Correction Vs. Load Vs. EGR Duty Cycle
IAC Steps Vs. Coolant Temp.
TCC Load Limit vs Vss, Low Gears, Upper Limit
TCC Load Limit Vs. Vss, Low Gears, Lower Limit
TCC Load Limit Vs. Vss, Hi Gears, Upper Limit
TCC Load Limit Vs. Vss, Hi Gears, Lower Limit