

C.A.T.S. Tuner ECM 27 Parameter List

(ECM Configuration File Version A)

ECM Switch Parameters

Manual/Auto Transmission (X=Manual)
Knock Retard Option (X=Enabled)
Err 24, Vehicle Speed Err, X=Enabled
Err 32, EGR Diagnostic Err, X=Enabled
Err 43, ESC Diagnostic Err, X=Enabled

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
Max. Knock Retard Vs. RPM (in P.E.)
Max. Knock Retard Vs. MAP

Knock Retard Attack Rate Vs. RPM
Knock Retard Recovery Rate Vs. RPM
Volumetric Efficiency Vs. RPM Vs. MAP
Volumetric Efficiency Adder Vs. RPM
Power Enrich. Enable TPS Threeshold 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