

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

## 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  
Maximum AFR Value  
Clear Flood AFR  
Lean Idle AFR At Open Loop  
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 Threshhold 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