C.A.T.S. Tuner ECM_A4 Parameter List
(ECM Configuration File Version B)

ECM Switch Parameters

Err 24, Vech Speed Err enable, X=Enabled
Err 32, EGR Error Enable, X=Enabled
Err 42, EST Err enable, X=Enabled
Err 43, ESC Err enable, X=Enabled

ECM Constants

Initial Spark
Main Spark Bias
Maximum Spark Advance
Maximum Spark Retard
Knock Retard Enable Speed Threshold
Knock Retard Enable RPM Threshold
Knock Retard Enable Cool. Temp Threshold
RPM to Bypass Power Enrich. Delay
Power Enrichment Mode Delay
Base Pulse Width Constant
Cold Closed Loop Delay Timer
Warm Closed Loop Delay Timer
Warm Closed Loop Timer Cool Temp Thresh.
Closed Loop Min. Coolant Temp. Threshold
Minimum MAP To Enable BLM
Maximum MAP To Enable BLM
Max RPM for BLM
Maximum BLM
Miniimum BLM
Speed To Enable Open Loop Idle
TPS To Enable Open Loop Idle
Minimum Air Fuel Ratio for Open Loop
Maximum Air Fuel Ratio for Open Loop
EGR On, (TPS)
EGR Off, (TPS)
EGR On (Eng Speed)
EGR Off (Eng Speed)
EGR On, (Low MAP)
EGR Off, MAP, (Low MAP)
EGR Off, (High MAP)
EGR On, (High MAP)
Min. Coolant Temp. To Enable EGR
Idle RPM Adder - A/C On
IAC Park Down Position
Differential IAC For P/N to Drive
IAC Motor Park to Run Delay
Min. IAC Adder for A/C On
Max. IAC Adder for A/C On
Maximum IAC Value
Number of Cylinders
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Main Spark Advance
Base Coolant Temp. Spark Adv. Correction Vs. MAP
Power Enrichment Spark Advance Vs. RPM
Knock Retard Attack Rate Vs. RPM
Max Knock Retard Vs. RPM (in P. E.)
Knock Retard Recovery Rate Vs. RPM
Max Knock Retard Vs. MAP
Start Up Spark Advance Vs. Coolant Temp.
Start Up Spark Advance Decay Mult. Vs. Cool. Temp.
Main Fuel Table, % Volumetric Efficiency
TPS Threshold For Fast Power Enrich.
BPW Vs. EGR Vs. Air Flow
TPS Threshold For Normal Power Enrich.
Power Enrich. Air Fuel Ratio Vs. RPM
Accel. Enrichment Vs. Differential TPS
Accel. Enrichment Vs. Diff. MAP
Accel. Enrich. Temp. Correction Vs. Coolant Temp.
Open Loop AFR Vs. Coolant Temp.
Open Loop Air Fuel Ratio Vs. MAP
AFR at Startup (Choke)
Choke Air Fuel Ratio Multiplier Vs. Coolant
Crank Air Fuel Ratio Vs. Coolant Temp.
IAC Steps Vs Coolant Temperature
Target Idle RPM Vs Coolant Temp.
EGR Spark Advance Vs. % EGR
% EGR Vs. Load Vs. RPM
EGR % Correction Vs. Load Vs. EGR Duty Cycle