

C.A.T.S. Tuner ECM 62 Parameter List

(ECM Configuration File Version V)

ECM Switch Parameters

VATS Select
Auto/Manual Transmission (X=Manual)
No Ref. Pulses Diagnostic (Error 12)
O2 Sensor 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)
MAT Sensor Low Diagnostic (Error 23)
Vss Diagnostic (Error 24)
MAT Sensor High Diagnostic (Error 25)
EGR Diagnostic (Error 32)
MAP Sensor High Diagnostic (Error 33)
MAP Sensor Low Diagnostic (Error 34)
EST Monitor Diagnostic (Error 42)
Knock Diagnostic (Error 43)
O2 Sensor Lean Diagnostic (Error 44)
O2 Sensor Rich Diagnostic (Error 45)
PROM Diagnostic (Error 51)
Missing Cal-Pack Diagnostic (Error 52)
VATS Diagnostic (Error 53)
Fuel Pump Voltage Diagnostic (Error 54)
ADU Error Diagnostic (Error 55)

ECM Constants

Initial Spark Advance
Main Spark Bias
TCC Locked Spark Correction Bias
Cool Compensation Spark Table Bias
Main Spark Extended RPM Limit
Extended RPM Spark Advance Slope
Highway Mode Spark Adv. Load Threshold
Highway Mode Spark Adv. Speed Threshold
Launch Mode Spark Speed Threshold
Launch Mode Spark Enable Delta MAP
Launch Mode Spark Disable Delta MAP
BPW Constant
Fuel Cutoff Speed
Fuel Resume Speed
EGR Off, (TPS)
EGR On, (TPS)
EGR Off, (Speed)
EGR On, (Speed)
EGR Off, (Low MAP)
EGR On, (Low MAP)
TCC Lock Speed, (Low Gears)
TCC Unlock Speed, (Low Gears)
TCC Lock Speed, (Hi Gears)
TCC Unlock Speed, (Hi Gears)
TCC Coast Load Limit, Low Speed
TCC Coast Load Limit, High Speed

TCC Coast Load Limit Hysteresis
TCC Coast Load Low/High Speed Threshold
Cold Closed Loop Timer
Minimum Coolant Temp. For Closed Loop
Warm Closed Loop Delay Timer
IAC Park Postiton
Idle Open Loop AFR Adder
Maximum Vehicle Speed for Idle
Maximum %TPS for Idle
Maximum RPM For BLM Enable
Minimum MAP for BLM Enable
Maximum MAP for BLM Enable
Maximum BLM
Minimum BLM
Highway Mode Fuel Enable Speed Threshold
CCP Enable Vehicle Speed
CCP Disable Vehicle Speed
CCP Enable TPS Threshold
CCP Disable TPS Threshold
Air Divert Disable Coolant Temp.
Air Divert Enable MPH Threshold
P.E. Mode AFR Coolant Temp. Correction
P.E. AFR Temp. Correction Temp. Thresh.
DFCO Enable Coolant Temp. Threshold
DFCO Enable RPM Threshold
DFCO Disable RPM Threshold
DFCO Enable Vehicle Speed Threshold
DFCO Disable Vehicle Speed Threshold
DFCO Disable RPM Reduction
DFCO Enable Delta MAP Threshold
DFCO Disable %TPS Threshold
DFCO Enable MAP Threshold
DFCO Disable MAP Threshold
Min Async Injector Pulse Width
Max Async Injector Pulse Width
Async to Sync Inj. Pulse Width Threshold
Sync to Async Inj. Pulse Width Threshold
PROM ID

Tables

ECM Switch Table
ECM Constant Table
Main Spark Vs. RPM Vs. Load
Cool Compensation Spark Vs Vacuum
Power Enrichment Spark Vs. Load
Highway Mode Spark Advance Vs. Vacuum
TCC Locked Spark Correction Vs. RPM Vs. Vacuum
EGR On Spark Advance Correction Vs. Vacuum
Launch Mode Spark Advance Vs. MAP
Launch Mode Spark Advance Multiplier Vs. MAT
Knock Attack Rate Vs. RPM (in Power Enrich.)
Knock Attack Rate Vs. Vacuum (not in P. E.)
Knock Recovery Rate Vs. RPM (in Power Enrich.)
Knock Recovery Rate Vs. Vacuum (not in P. E.)
Max Knock Retard Vs. RPM (in P.E.)
Max Knock Retard Vs. Vacuum (not in P.E.)
Max Knock Retard Multiplier Vs. MAT
Main Fuel Table #1, %Volumetric Eff.
Main Fuel Table #2, %Volumetric. Eff. Adder
TPS Threshold Vs. RPM for P.E. Mode

Power Enrich. Air Fuel Ratio Vs. RPM
Accel. Enrichment Vs. Differential TPS
Accel. Enrichment Vs. Differential MAP
Accel. Enrich Correction Factor Vs. Coolant Temp.
Base Pulse Constant Vs. Vacuum (EGR On)
Base Pulse Constant Multiplier Vs. MAT
Open Loop AFR Vs. Coolant Temp.
Open Loop AFR Vs. Vacuum
Air Fuel Ratio at Startup Vs. Coolant Temp (Choke)
Startup AFR Decay Multiplier Vs. Coolant Temp.
Crank Air Fuel Ratio Vs. Coolant Temp.
Crank AFR Multiplier Vs. Vacuum
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
Idle RPM Vs. Coolant Temp. (In Drive)
Idle RPM Vs. Coolant Temp. (In Park/Neut.)
TCC Upper Load Limit Vs. MPH (Low Gears)
TCC Upper Load Limit Vs. MPH (High Gears)
BLM Cell RPM Boundaries
BLM Cell MAP Boundaries