

# C.A.T.S. Tuner PCM 8C Parameter List (ECM Configuration File Version G)

## ECM Switch Parameters

VATS Select (x = Enabled)  
EGR Diagnostic (Error 32)  
Auto / Manual Transmission (x = manual)  
ESC Diagnostic (Error 43)  
Open Loop AFR Enable (X=Enabled)  
EGR System Type (X=Back Pressure)  
EGR System Control (X=Linear) 0=EVRV

## ECM Constants

Fuel Cutoff RPM  
Fuel Resume RPM  
Fuel Cutoff Speed  
Fuel Resume Speed  
Fuel Cutoff RPM (Default Gear/MALF 16)  
Fuel Resume RPM (Default Gear/MALF 16)  
Number Of Cylinders  
Cylinder Volume (per Cyl )  
Injector Flow Rate  
Main Spark Bias  
Initial Spark Advance  
Max Speed for Idle Fuel Table  
Max Speed for Idle Spark Table  
Max %TPS For Idle Fuel  
Power Enrichment Delay Period  
RPM To Bypass Power Enrich. Delay  
Min. Coolant Temp. for Closed Loop  
Maximum RPM To Enable BLM  
EGR On, (Eng Speed)  
EGR Off, (Eng Speed)  
EGR On, (TPS)  
EGR Off, (TPS)  
EGR On, (Lo MAP Window)  
EGR Off, (Lo MAP Window)  
EGR On, (Hi MAP Window)  
EGR Off, (Hi MAP Window)  
Minimum MPH Tto Enable EGR  
Normal Kick Down 1 -> 2 Shift (Speed)  
Normal Kick Down 2 -> 3 Shift (Speed)  
Normal Kick Down 3 -> 4 Shift (Speed)  
Normal Kick Down 2 -> 1 Shift (Speed)  
Normal Kick Down 3 -> 2 Shift (Speed)  
Normal Kick Down 4 -> 3 Shift (Speed)  
Normal Kick Down 1 -> 2 Shift (RPM)  
Normal Kick Down 2 -> 3 Shift (RPM)  
Normal Kick Down 3 -> 4 Shift (RPM)  
Kick Down Lower Qualifier (TPS)  
Kick Down Upper Qualifier (TPS)  
Minimum BLM Value  
Maximum BLM Value  
PROM ID

## Tables

ECM Switch Table  
ECM Constant Table  
Main Spark Table, Open Throttle  
Main Spark Table, Closed Throttle  
Cool Compensation Spark Vs. Load  
Power Enrichment Spark  
EGR Spark Correction Vs RPM Vs Vacuum  
Max Knock Retard Vs RPM (in P. E.)  
Max Knock Retard Vs. MAP  
Main Fuel Table, Off Idle, %Vol. Eff.  
Main Fuel Table, Near Idle, %Vol. Eff.  
TPS Threshold Vs. RPM For Power Enrich.  
TPS Threshold Vs. RPM For Power Enrich. (Fast)  
Engine %EGR Vs RPM Vs Vacuum  
Mean Rich/Lean O2 Voltage Threshold Vs Air Flow  
Rich O2 Voltage Threshold Vs Air Flow  
Lean O2 Voltage Threshold Vs Air Flow  
Proportional Gain Vs RPM Vs MAP  
Proportional Counts Vs Slow O2 Error  
Power Enrichment AFR Vs. RPM  
Accel. Enrichment Vs. Differential TPS  
Accel. Enrichment Vs. Differential MAP  
Decel Enleanment Vs Differential MAP  
Decel Enleanment Vs Differential TPS  
Open Loop AFR Vs. Coolant Temp. Vs. MAP  
AFR Reduction at Startup Vs. Cool. Temp. (Choke)  
Startup BPW Vs. Coolant Temp.  
Injector Offset Vs. Battery Voltage  
Target Idle Vs. Cool. Temp. Pk/Neut - A/C Off  
Target Idle Vs. Cool. Temp. Pk/Neut - A/C On  
Target Idle Vs. Coolant Temp. (A/C Off)  
Target Idle Vs. Coolant Temp. (A/C On)  
Main Line Pressure Table, 0 - 64 MPH  
Main Line Pressure Table, 64 - 128 MPH  
Line Press. Mod. Vs. Current Gear Vs. TPS  
Line Pressure Mod In Power Enrich. Vs. RPM  
Upshift/Downshift Speed Vs. TPS  
Torque Converter Release MPH Vs. TPS  
Torque Converter Engage MPH Vs. TPS  
Down Shift Pressure Mod 2 -> 1 Vs. MPH  
Down Shift Pressure Mod 3 -> 2 Vs. MPH  
Down Shift Pressure Mod 4 -> 3 Vs. MPH