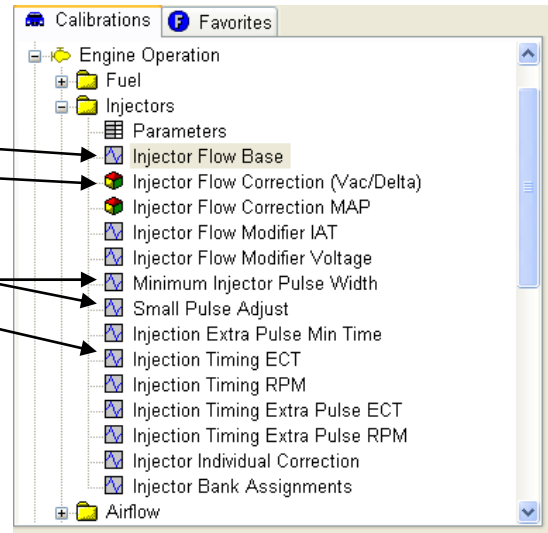


# GM Vehicles EFI Live Format

## Fuel Injector Changes

1. Injector Flow Rate
2. Battery Voltage Offsets
3. Short Pulse Adder
4. End of Injection (EOI) Target
5. Minimum Pulsewidth



## Open Loop Fueling

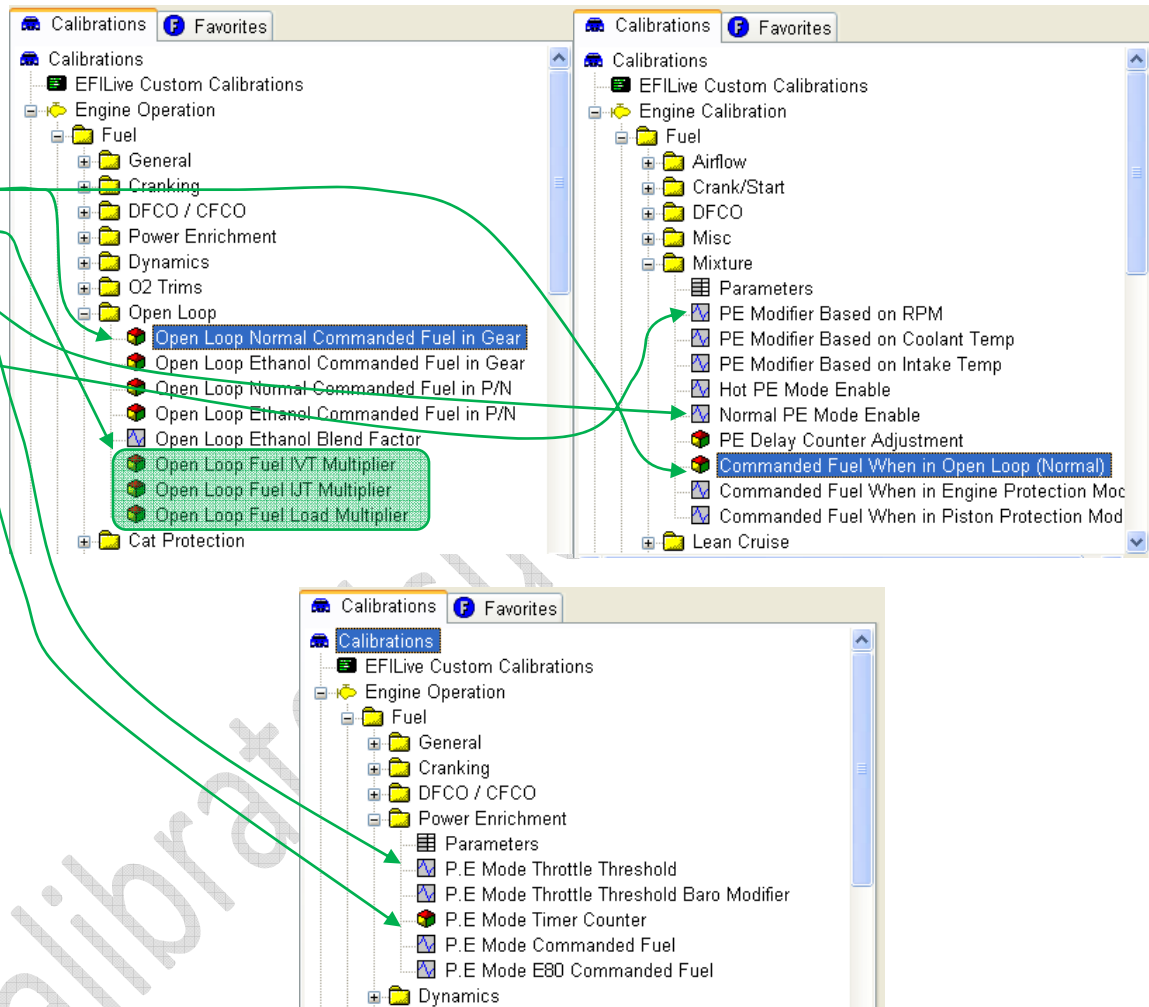
1. Stoichiometric Ratio Definition
2. Forcing Open Loop

Ratio of Air to Fuel for Stoichiometry	
Description	Value
{B3601} Ratio of Air to Fuel for Stoichiometry	14.68
{B3606} Maximum Enrichment	1.130
{B3607} Open Loop Lean Limit (Idle)	1.000
{B3608} Delay before Entering PE Mode	0
{B3610} PE Delay RPM Bypass	5500
{B3611} PE Delay Coolant Temp Bypass (Upper)	121
{B3612} PE Delay Coolant Temp Bypass (Lower)	55

# GM Vehicles EFI Live Format

## Open Loop Fueling (cont'd)

3. Base Fuel Table
4. Fuel Adders
5. WOT Enable Condition
6. WOT Air-Fuel Ratio



# GM Vehicles EFI Live Format

## Airflow Modeling

1. MAF Transfer Function(s)
2. Force MAF Only
3. Displacement Scalar
4. VE Surfaces
5. "Virtual VE" Zones
6. "Virtual VE" Coefficients

The image shows three screenshots of the EFI Live software interface, illustrating the calibration structure for Airflow Modeling. Red arrows connect the numbered list items to specific calibration nodes and data tables.

**Screenshot 1 (Top):** Shows the 'Calibrations' tree with 'MAF Frequency Conversion' selected. This corresponds to item 1.

**Screenshot 2 (Middle):** Shows the 'Parameters' folder expanded, with 'Operating Zone RPM Boundaries' and 'Operating Zone MAP Boundaries' selected. This corresponds to item 2. Below it is a data table for 'High Speed Mode RPM':

High Speed Mode RPM	
Description	Value
{B8024} High Speed Mode RPM Enter	4000
{B8025} High Speed Mode RPM Exit	3900
{B8026} Intake Manifold Tuning Valve Option	No
{B8034} Estimated MAP Maximum	105.0
{B8035} Estimated MAP Minimum	10.0
{B8036} Intake Manifold Volume	9590

**Screenshot 3 (Bottom):** Shows the 'Parameters' folder expanded, with 'Main VE Table' selected. This corresponds to item 3. Below it is a data table for 'Cylinder Volume':

Cylinder Volume	
Description	Value
{B0104} Cylinder Volume	708.2
{B0111} High Altitude VE Correction Threshold	84
{B0112} Low Altitude VE Correction Threshold	98
{B2003} Maximum VE Correction	1.500
{B2004} Maximum VE Correction DOD	1.500

**Screenshot 4 (Bottom):** Shows the 'Parameters' folder expanded, with 'Normal VE Coefficients' selected. This corresponds to item 6.

# GM Vehicles EFI Live Format

## Spark Advance

1. High Octane Spark Table
2. Low Octane Spark Table
3. Air-Fuel Ratio Spark Adjustment
4. Idle Spark Table(s)
5. IAT Spark Adjustment
6. Catalyst Lightoff Retard

## Setting and Controlling Idle Speed

1. Idle Speed Set point
2. Idle Airflow Set point
3. Spark Corrections for Idle Speed

