

A/C Relay

Commanded State: None

Engine Data 1

A/C Request	No
A/C Compressor	Disengaged
A/C Relay	Off
MIL	On
Service Throttle Soon L	Off

47 / 54

A/C Request

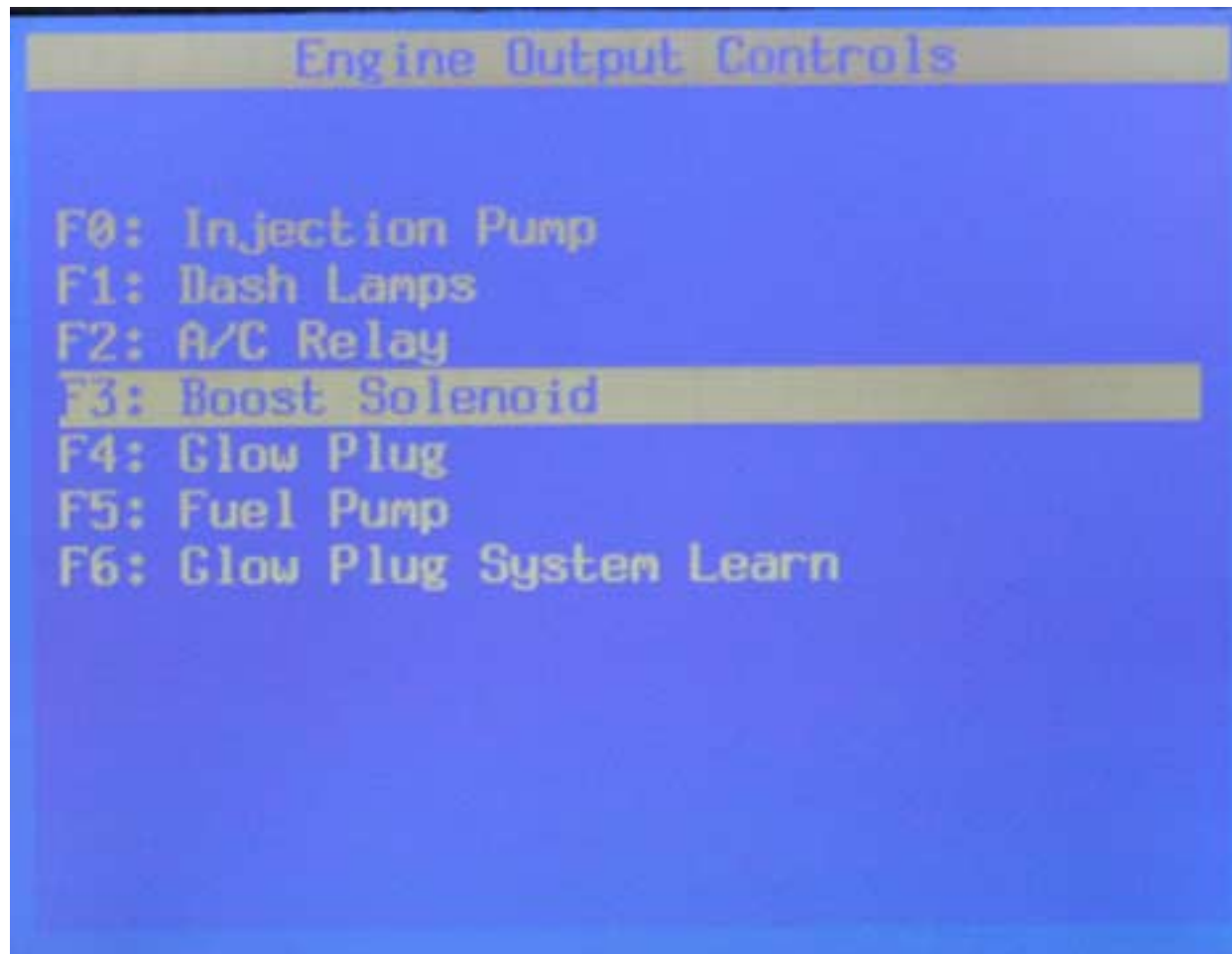
Quick
Snapshot

Off

On

More

Tech 2 Activates Solenoid Via PCMSelect F3



Boost Solenoid

Commanded State: None

Engine Data 1

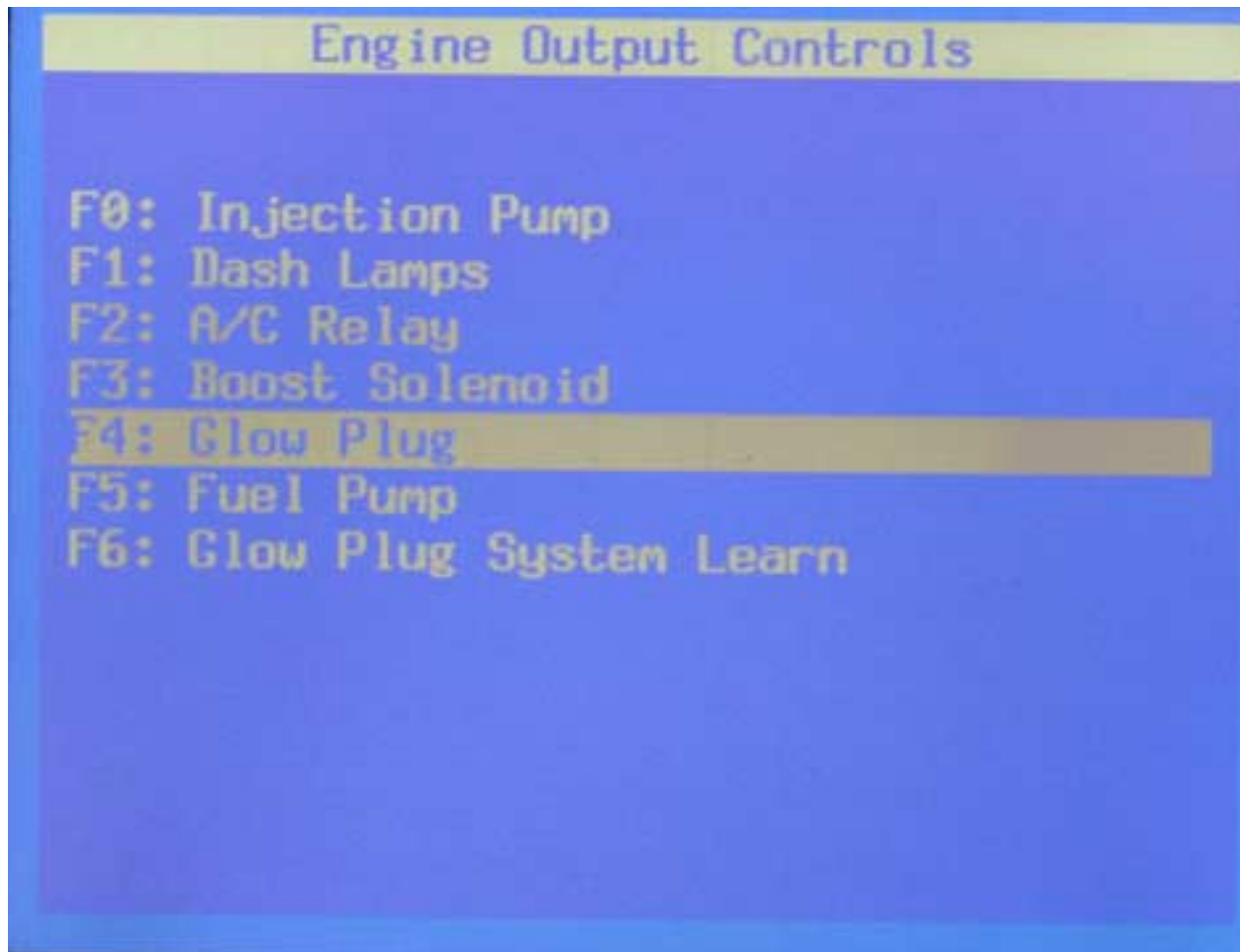
Wastegate Solenoid	0 %
Boost Pressure Sensor	14 psi
Vehicle Speed	0 mph
Fuel Temperature	127 °F
Fuel Rate	0 mm ³

9 / 54 -▼

Wastegate Solenoid

Quick OFF On More
Snapshot

Tech 2 Activates Glow Plug Controller Via PCMSelect F4



Glow Plug

Commanded State: None

Engine Data 1

Glow Plug	1.2 Volts
Glow Plug System	Disabled
Glow Plug System Type	California
Desired Injection Pump	0.0 °
Actual Inj. Pump Timing	13.3 °
	14 / 54

Glow Plug

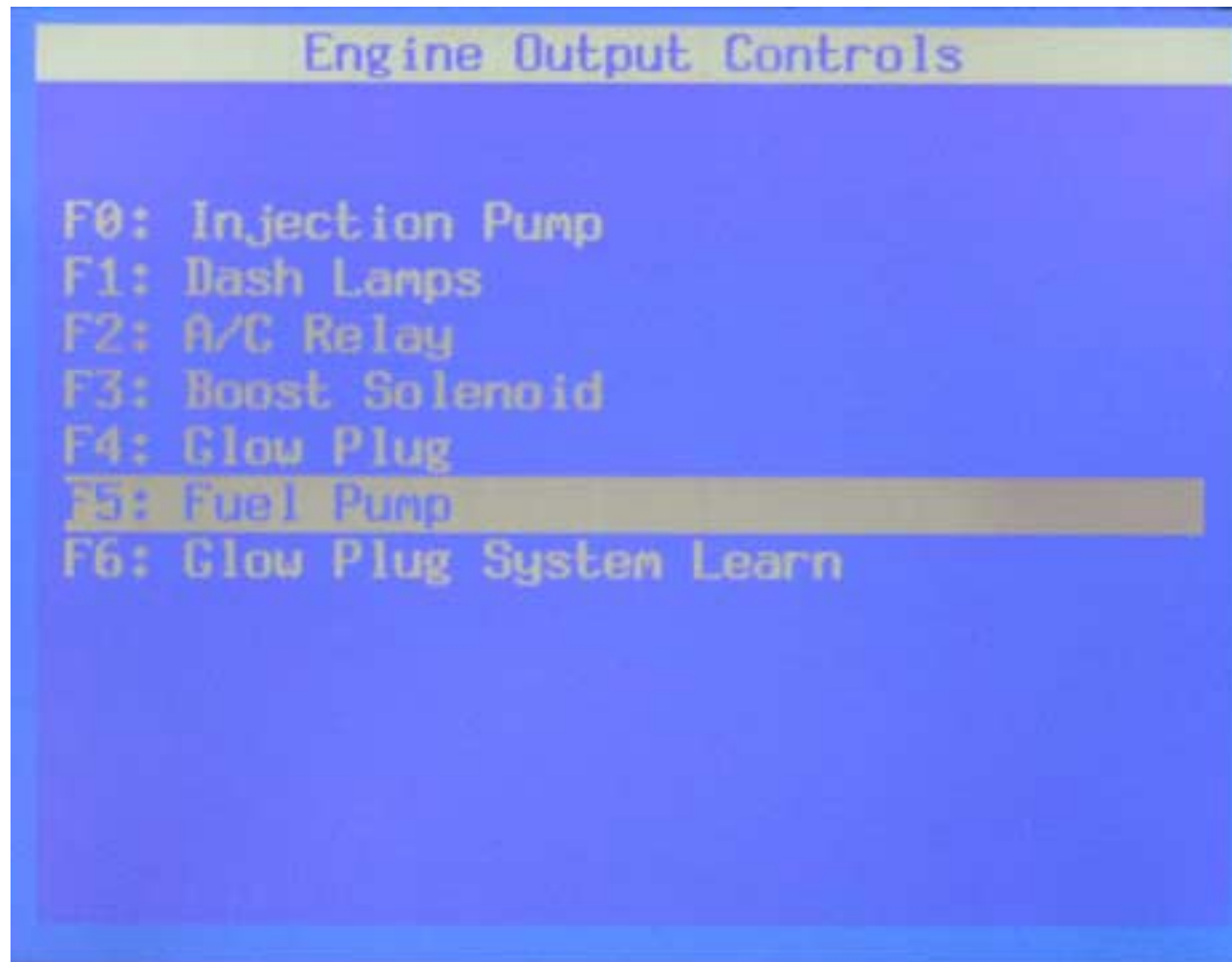
Quick
Snapshot

Off

On

More

Tech 2 Activates Pump Via PCMSelect F5



Ensure all fuel lines are connected.

Press [ENTER] to continue.

Fuel Pump

Commanded State: None

Engine Data 1

Lift Pump	1.2 Volts
Lift Pump System	Disabled
Engine Load	99 %
Engine Torque	2 ft-lbs
Number of DTC(s)	0
	35 / 54

Lift Pump

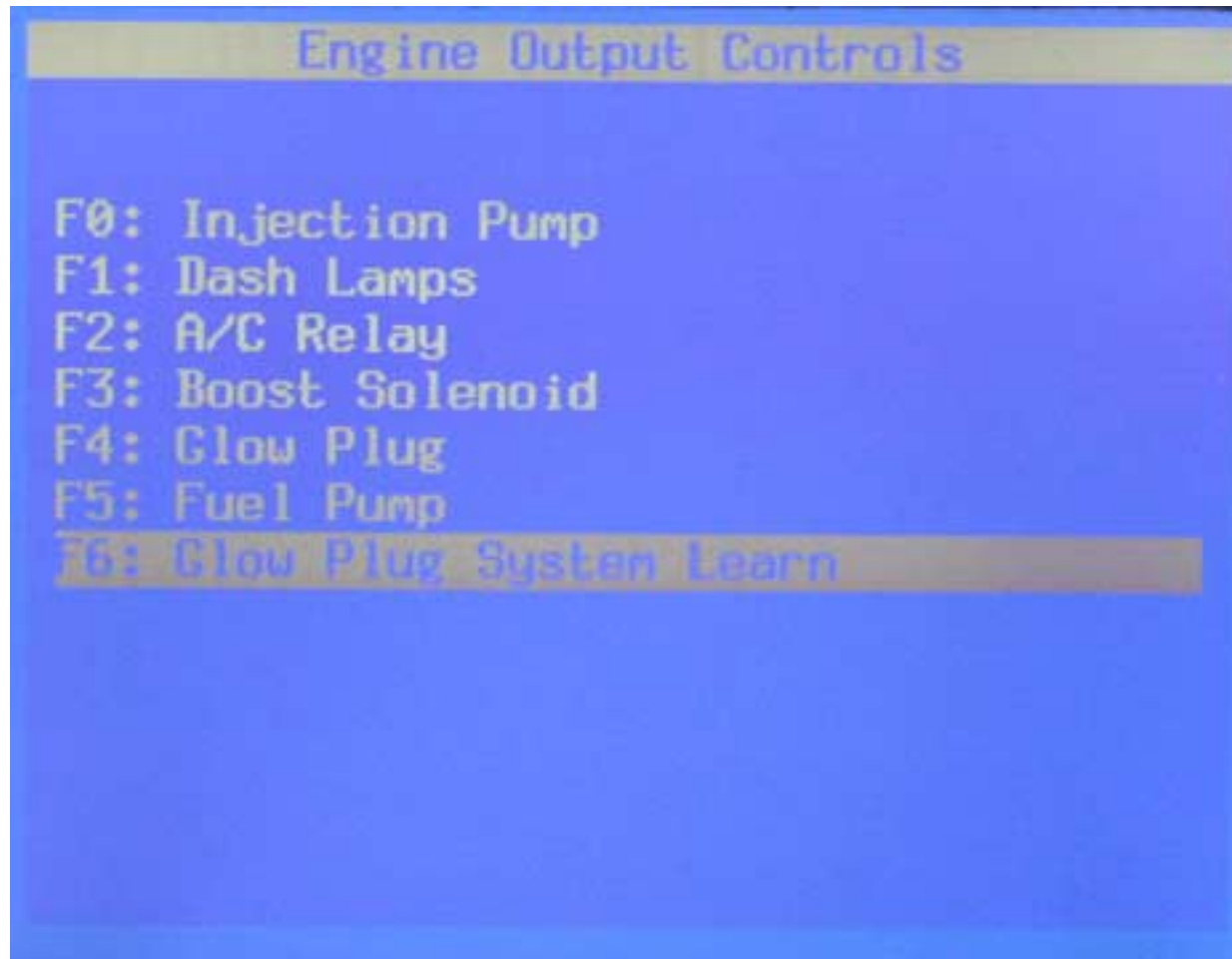
Quick
Snapshot

Off

On

More

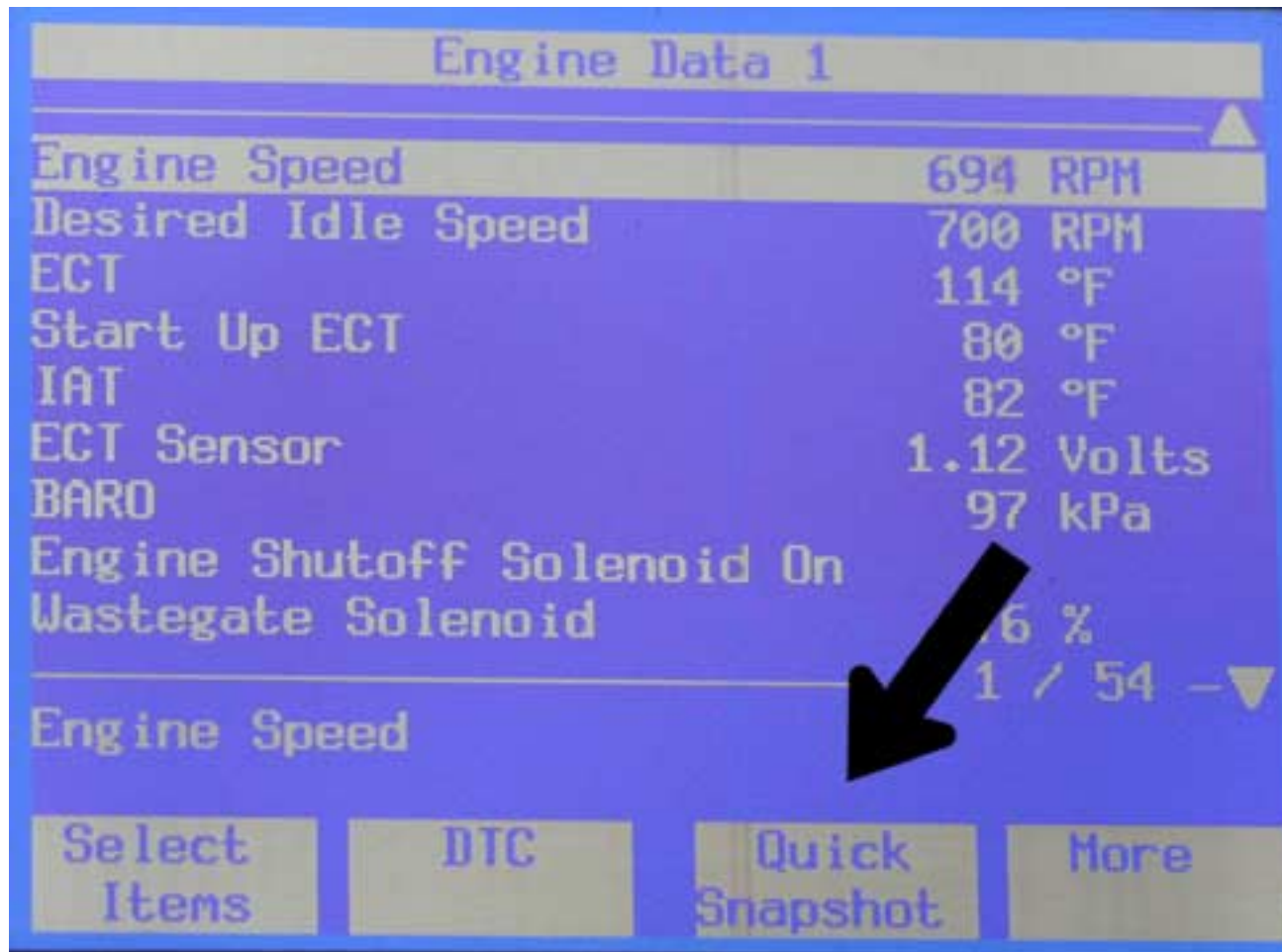
Select F6



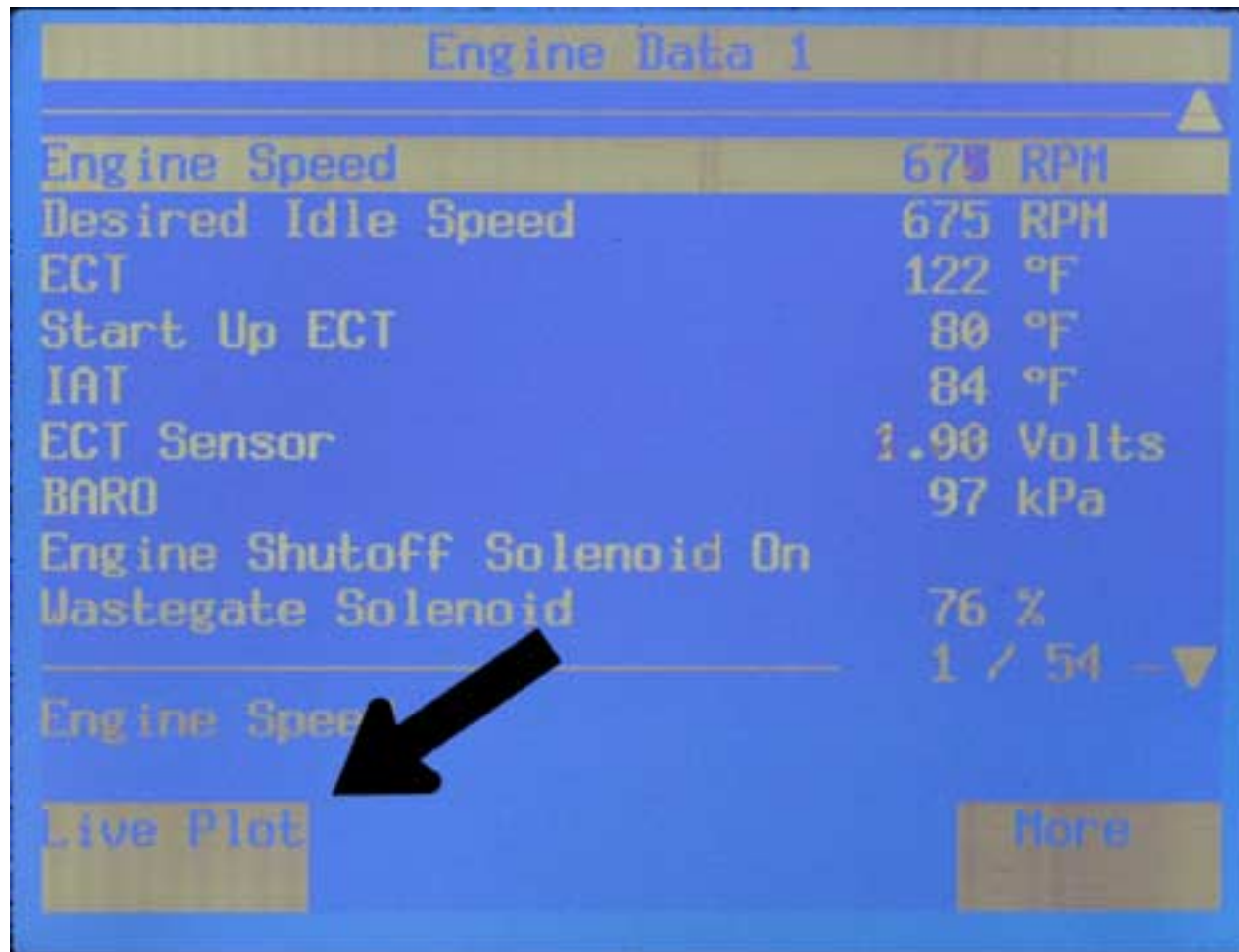
Graphic Functions

- When in the Diagnostics ... Data view mode, selected parameters can be graphed
- Termed ... Live Plot

To Graph Parameters ... Select:
Quick Snapshot



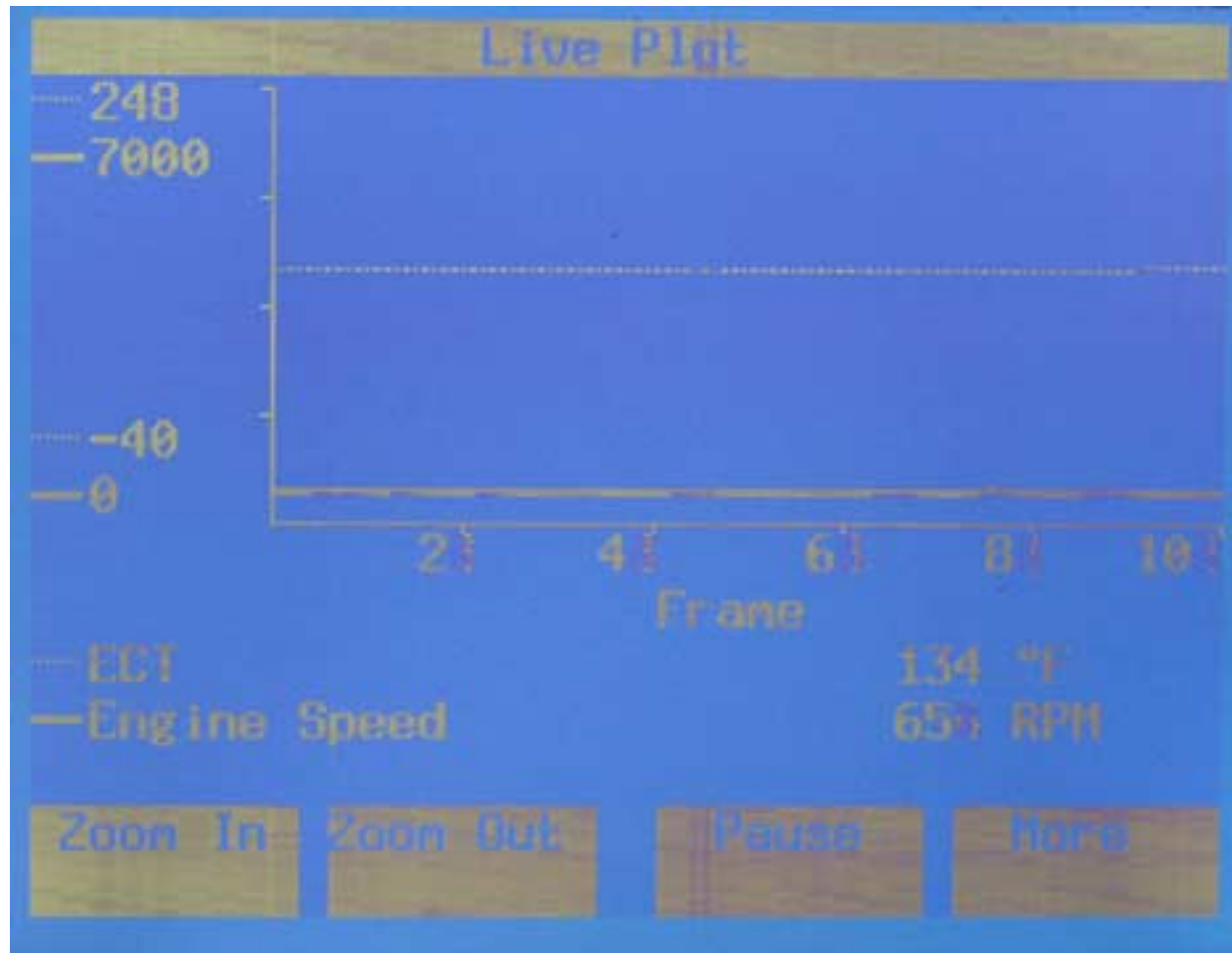
Next Screen: Select Live Plot



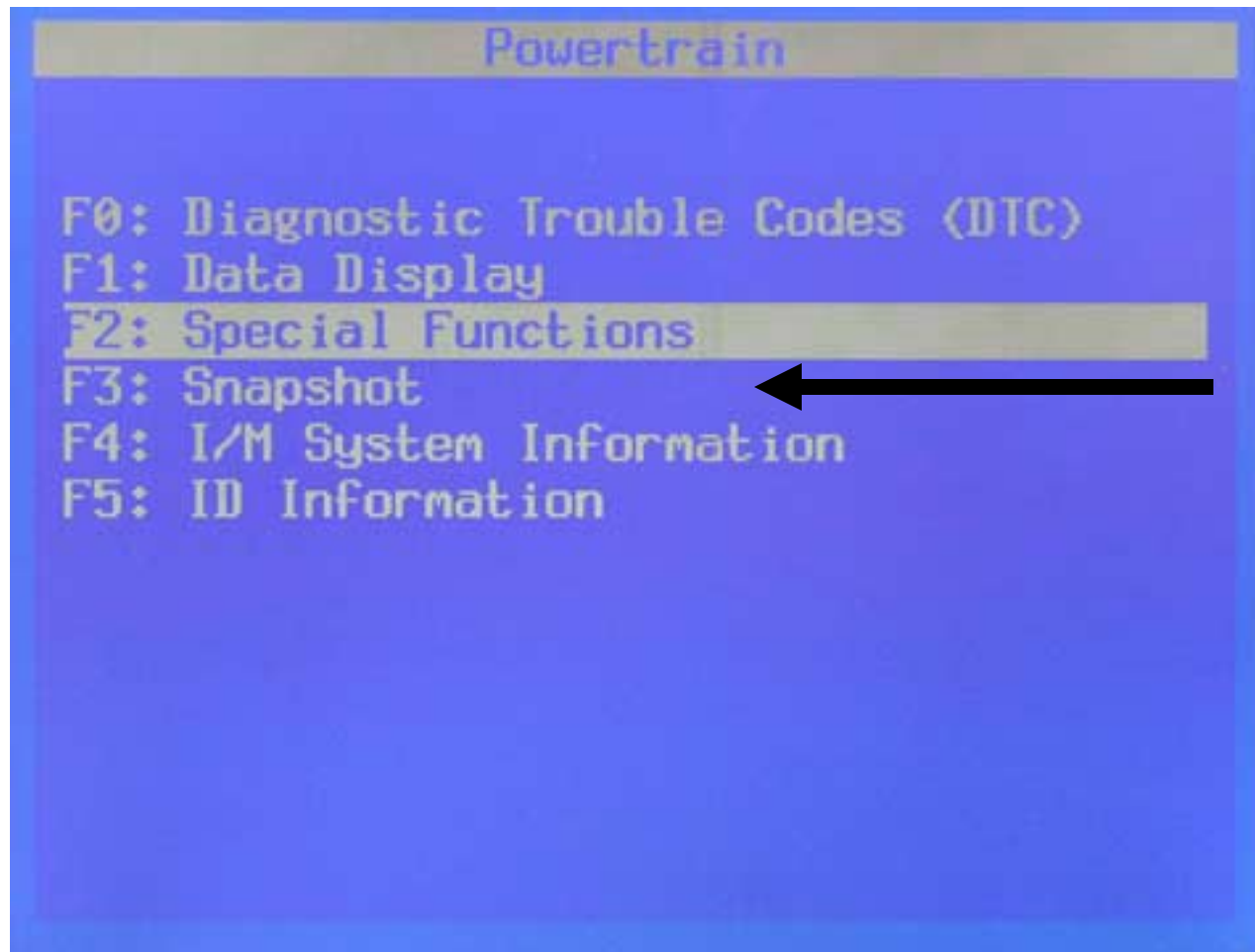
Select Parameters: Highlight then
Press ENTER For Each One



Press: ACCEPT



To Record Data: Select SNAPSHOT ... F3



Engine Data 1

Engine Speed	620 RPM
Desired Idle Speed	625 RPM
ECT	150 °F
Start Up ECT	80 °F
INT	87 °F
ECT Sensor	3.00 Volts
MAP	98 kPa
Engine Shutoff Solenoid On	
Wastegate Solenoid	70 %
	1 / 54

Engine Speed

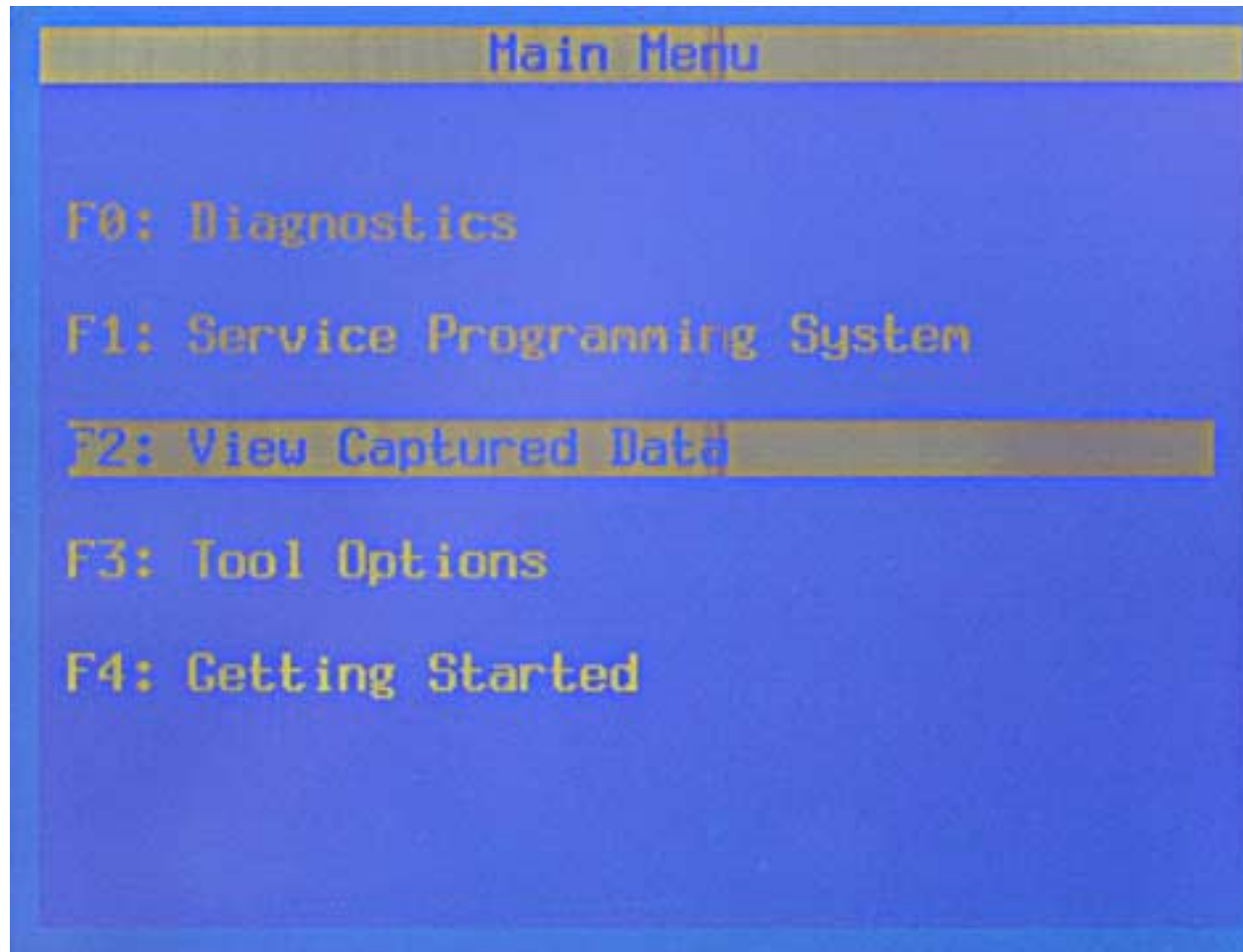
Select
Items

Recording

More



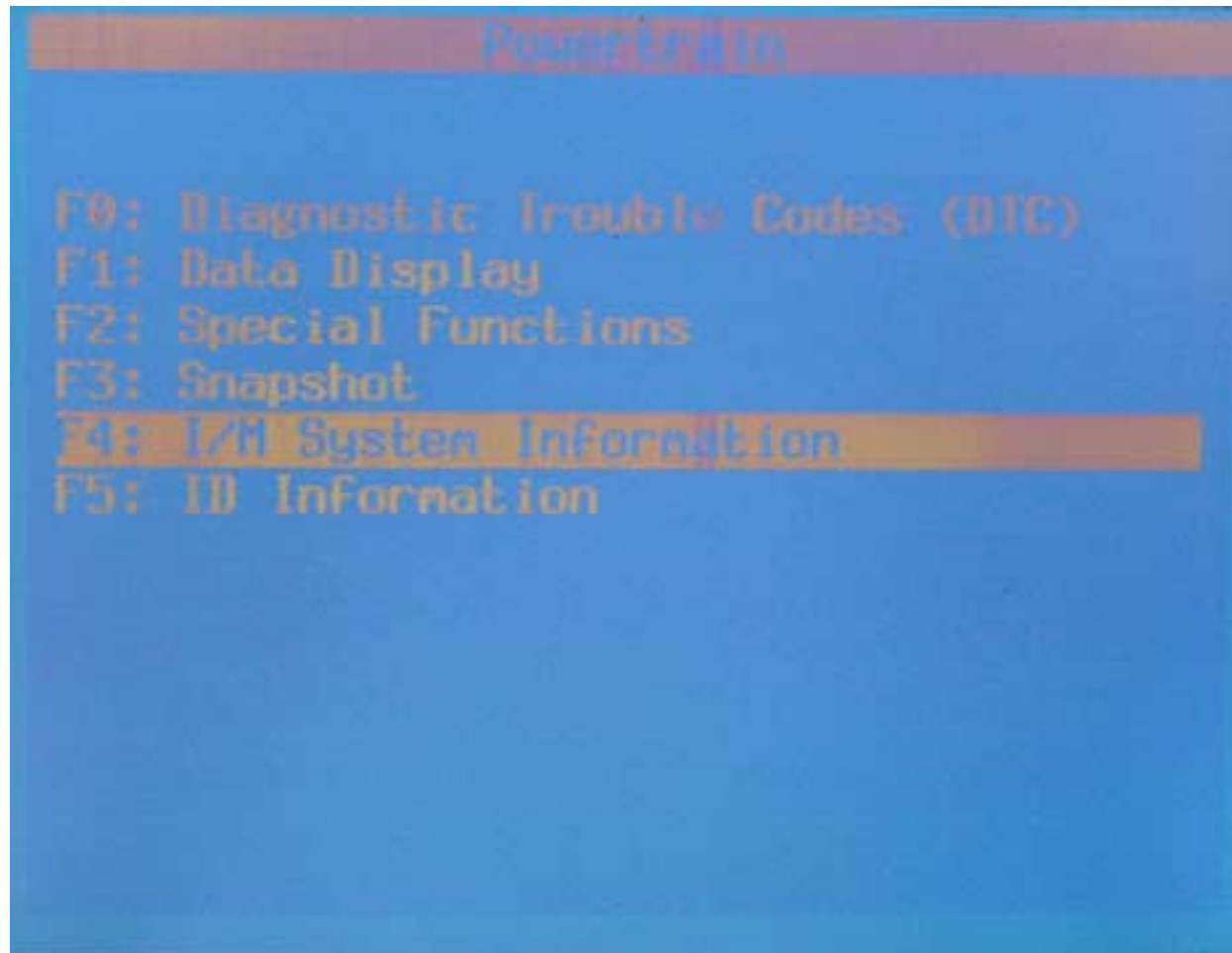
To Review Previous Captured Data F2



View Different Captures ... Highlight, ENTER to Play

View Captured Data	
Select the data to view:	
Snapshot	
(1) 2001	Medium Duty Truck
	(2) 6.5L V8 L65
Jul/27/2008	21:30:17
Snapshot	
(1) 2001	Medium Duty Truck
	(2) 6.5L V8 L65
Jul/26/2008	11:20:46
Capture Info	
(X) 1999	Passenger Car
Body: U	(K) 5.8L V6 L36
Aug/13/2007	14:50:43

Main Powertrain Screen: Select F4



For Ignition Module Info: F0



I/M System Status

Emission Related DTC(s):

Number of DTC(s) 0

MIL Requested No

Test

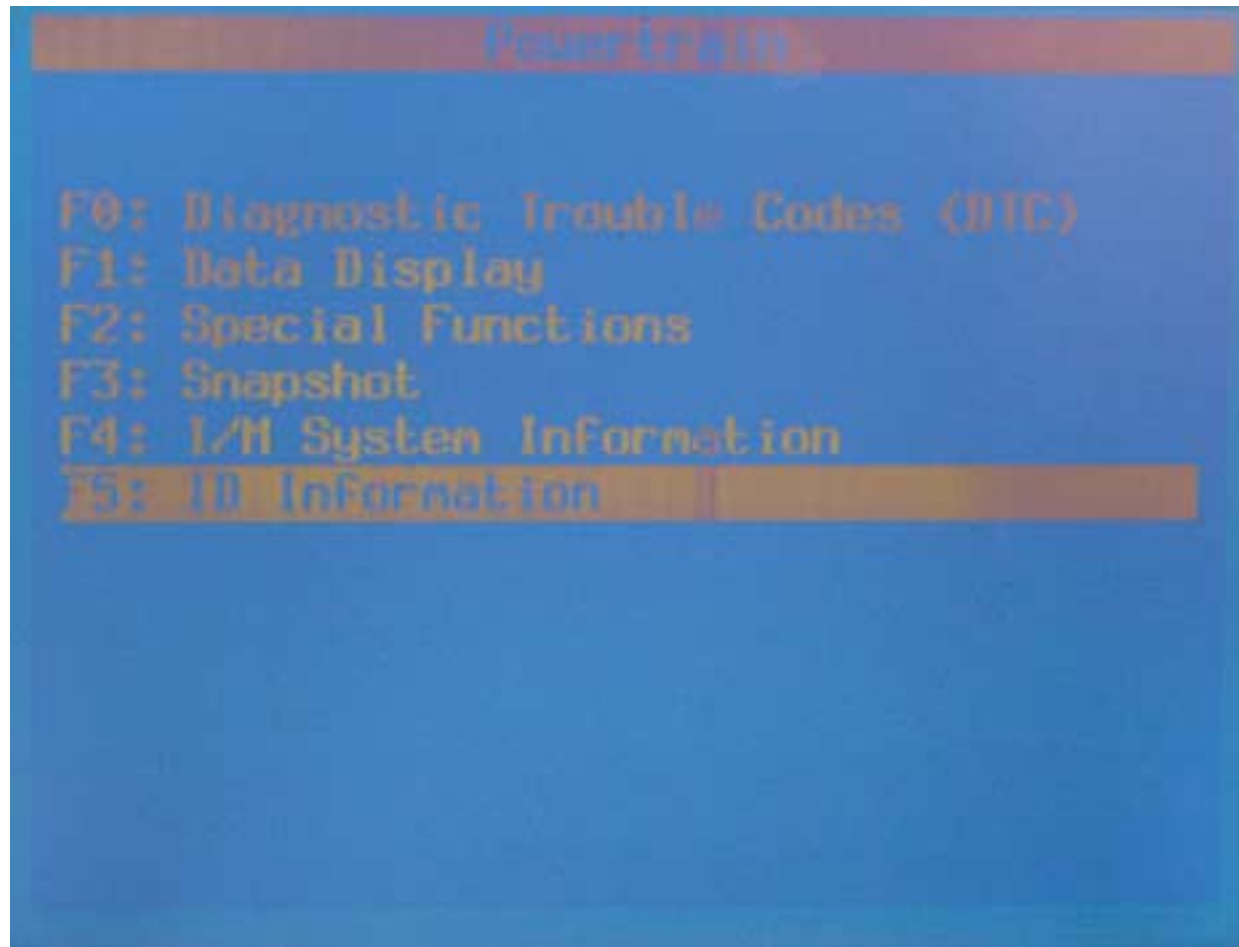
Completed

Misfire Monitoring YES

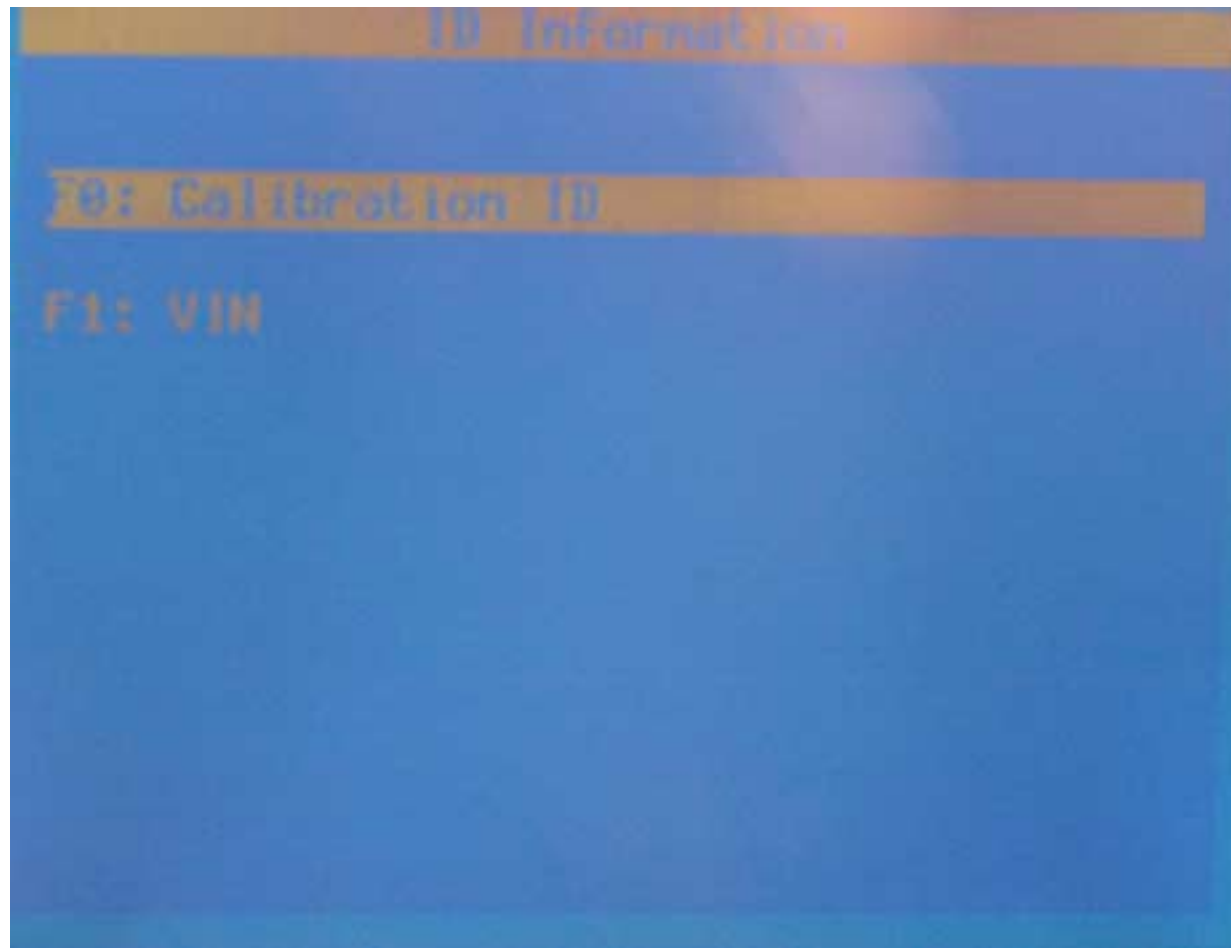
Component Monitoring YES

Main Powertrain Screen

Select F5



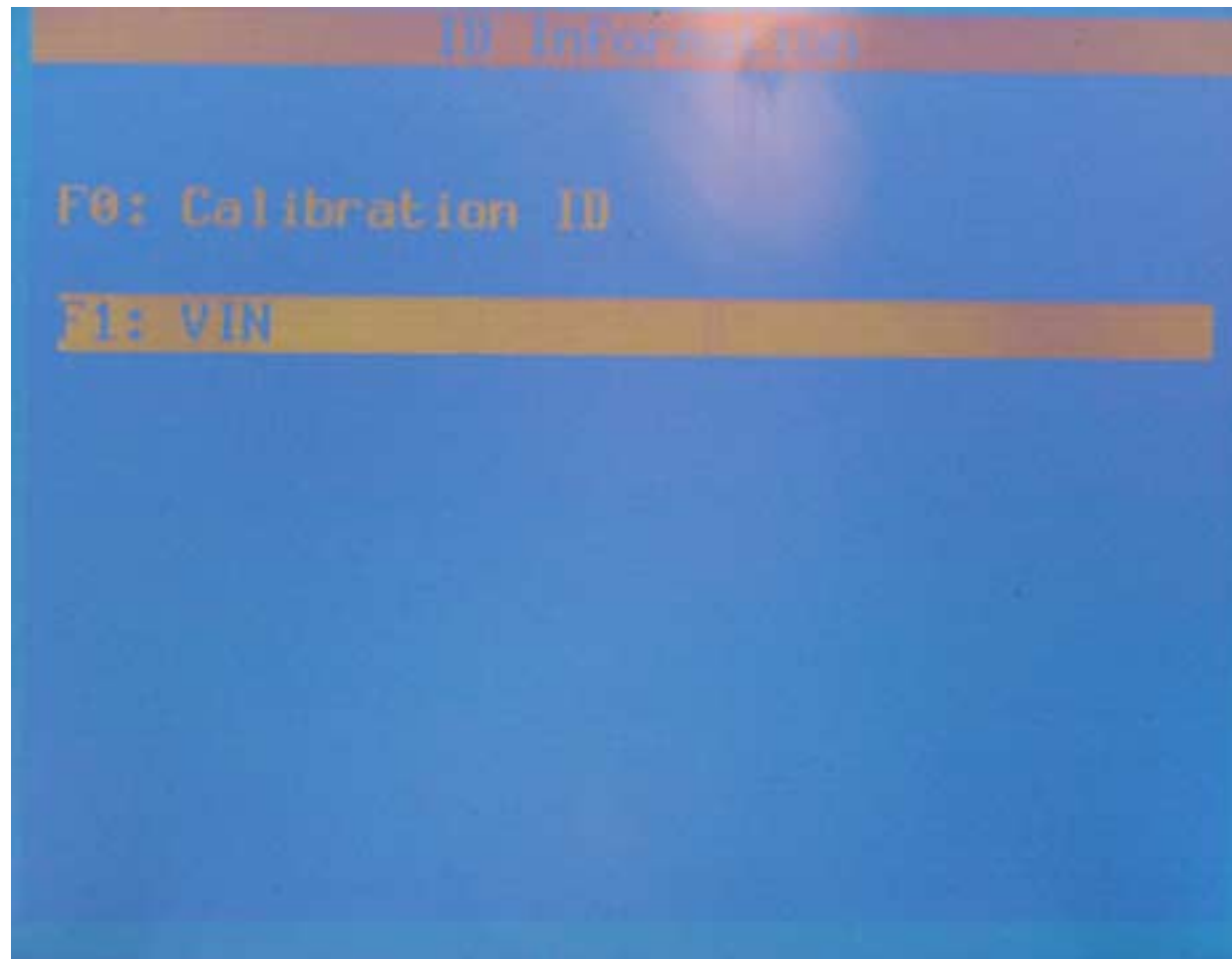
For PCM Software Version ... Select F0



Calibration #1 Question

9394845

For VIN Select F1



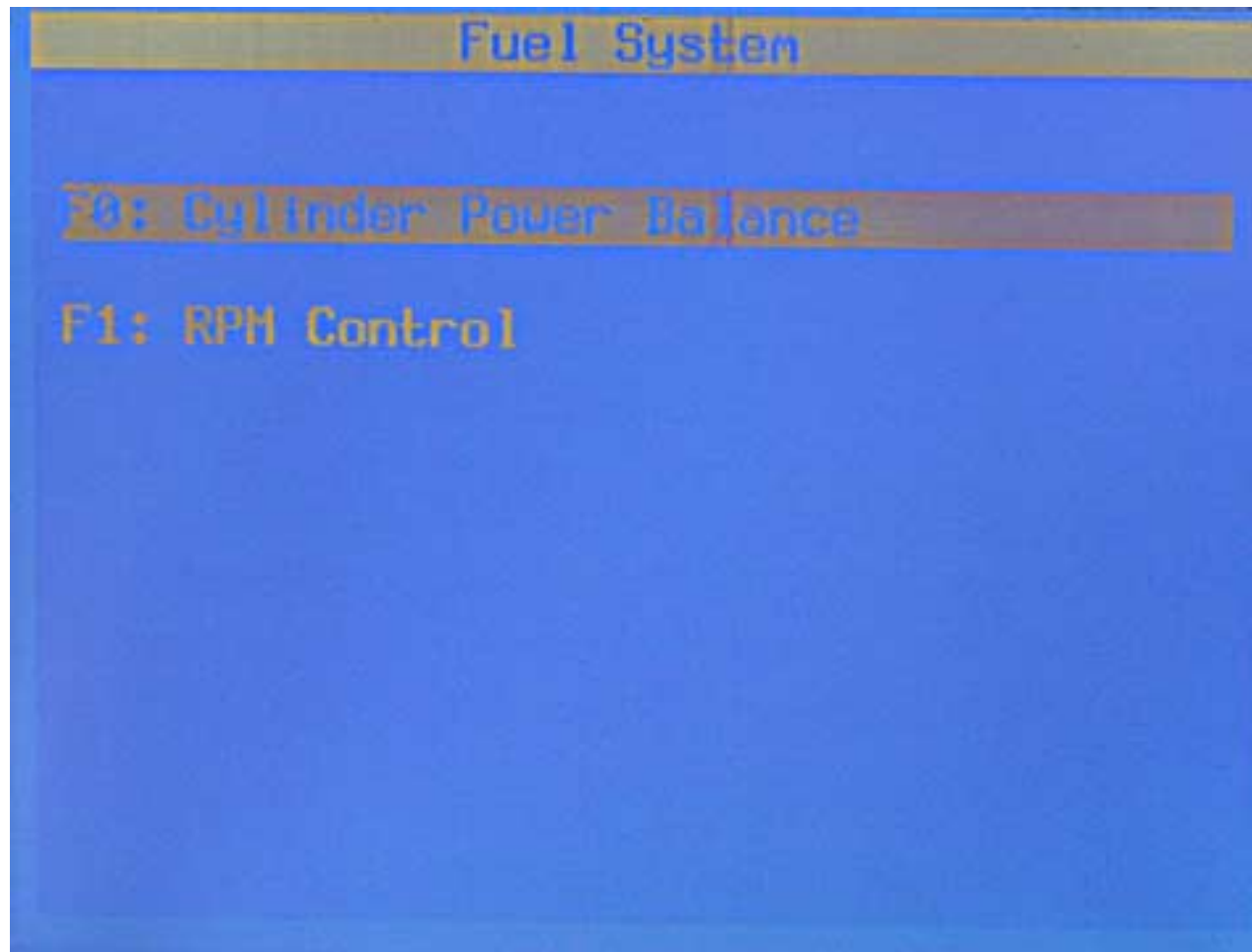
Vehicle Identification Number

137FA90321E195077

For Fuel Special Fxn ... F2



To Turn ON/OFF Injectors ... F0



Cylinder Power Balance

Set parking brake.

Block drive wheels.

Start and idle engine.

Turn A/C OFF.

Press [ENTER] to continue.

Engine Data 1

Selected Injector: **Enabled**

1 2 3 4 5 6 7 8

Engine Speed



Engine Speed	693 RPM
Desired Idle Speed	700 RPM
ECT	118 °F
Start Up ECT	78 °F
	1 / 54

Engine Speed

Select
Injector

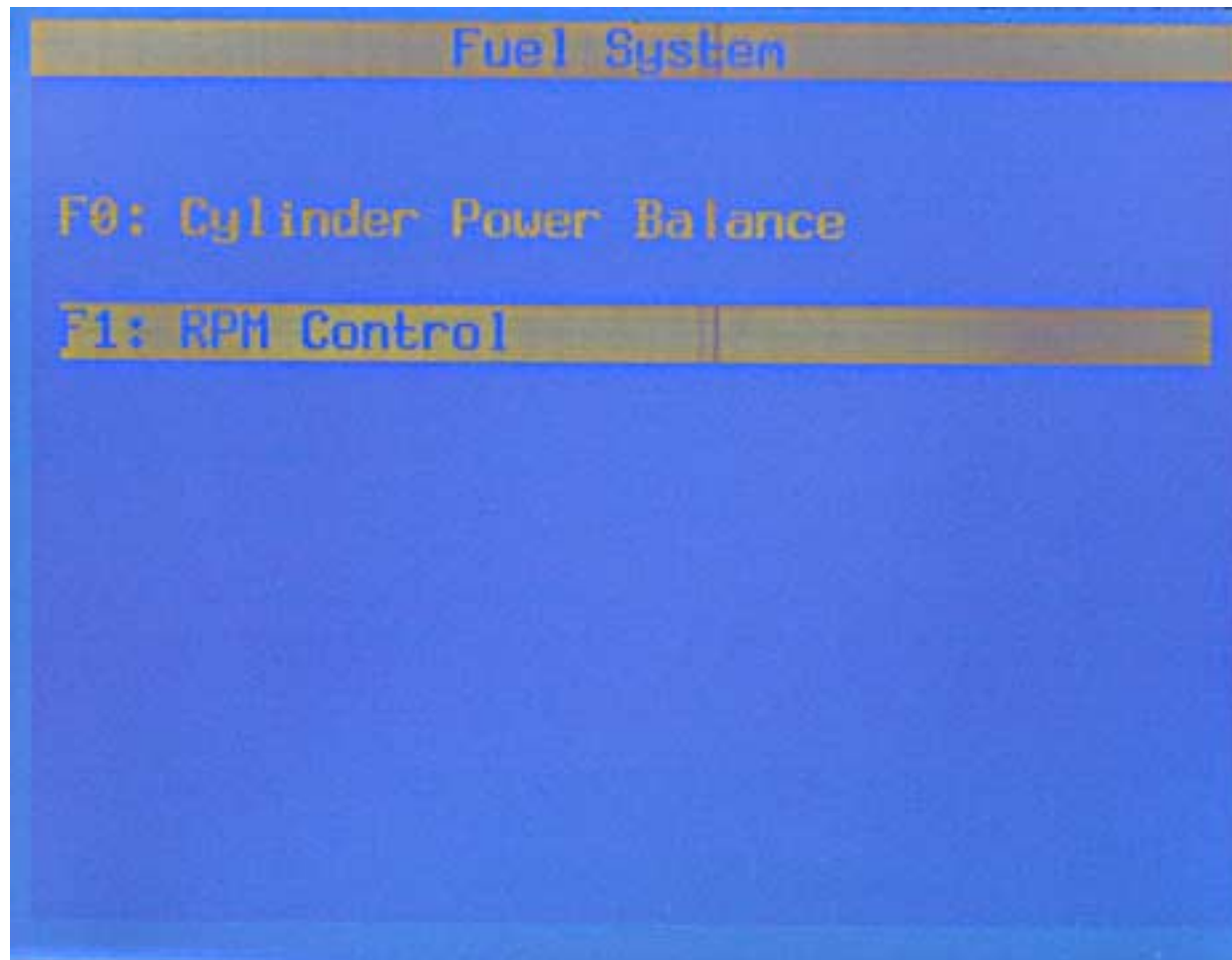
Enable

Disable

More

To Temporarily Adjust Idle ...

F1



RPM Control

Set parking brake.

Block drive wheels.

Start and idle engine.

Press [ENTER] to continue.

RPM Control

Engine Data 1

Commanded RPM: 900

Engine Speed

400  1700

Engine Speed	900 RPM
Desired Idle Speed	900 RPM
ECT	127 °F
Start Up ECT	78 °F
IAT	82 °F

1 / 54

Engine Speed

Set Step
Value

Decrease
25 RPM

Increase
25 RPM

More

Tool Options ... Change Tech 2 Function



Tool Choices



Service Programming System

- Requires GM TIS connection to GM database
- Download current PCM file to Tech 2
- Upload current file to truck's PCM

Main Menu

F0: Diagnostics

F1: Service Programming System

F2: View Captured Data

F3: Tool Options

F4: Getting Started



Tech 2 Must Have Latest Software to Proceed

