

# Setup

- Plug Tech 2 into DLC connector
- Start truck
- Power ON Tech 2

# Main Screen ... Select F0 for Routine Diagnostics

F0: Diagnostics

F1: Service Programming System

F2: View Captured Data

F3: Tool Options

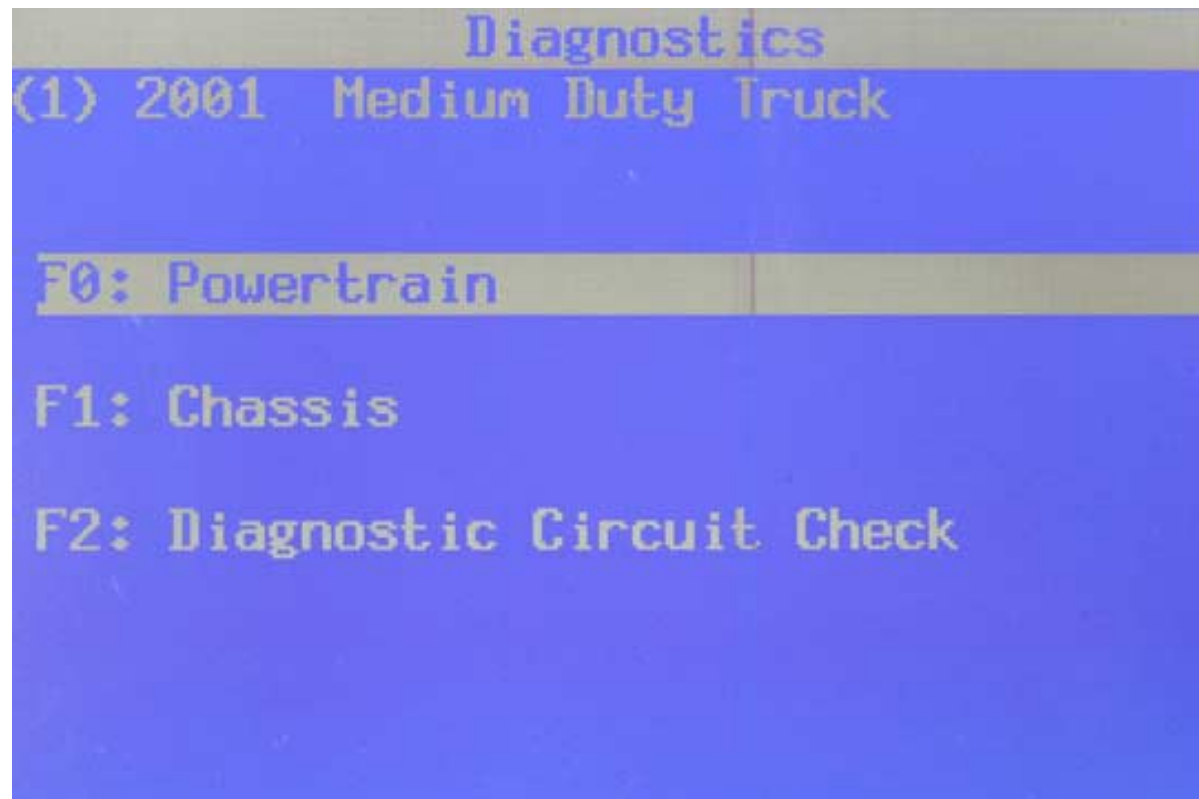
F4: Getting Started

# Choose Settings ... Diagnostics

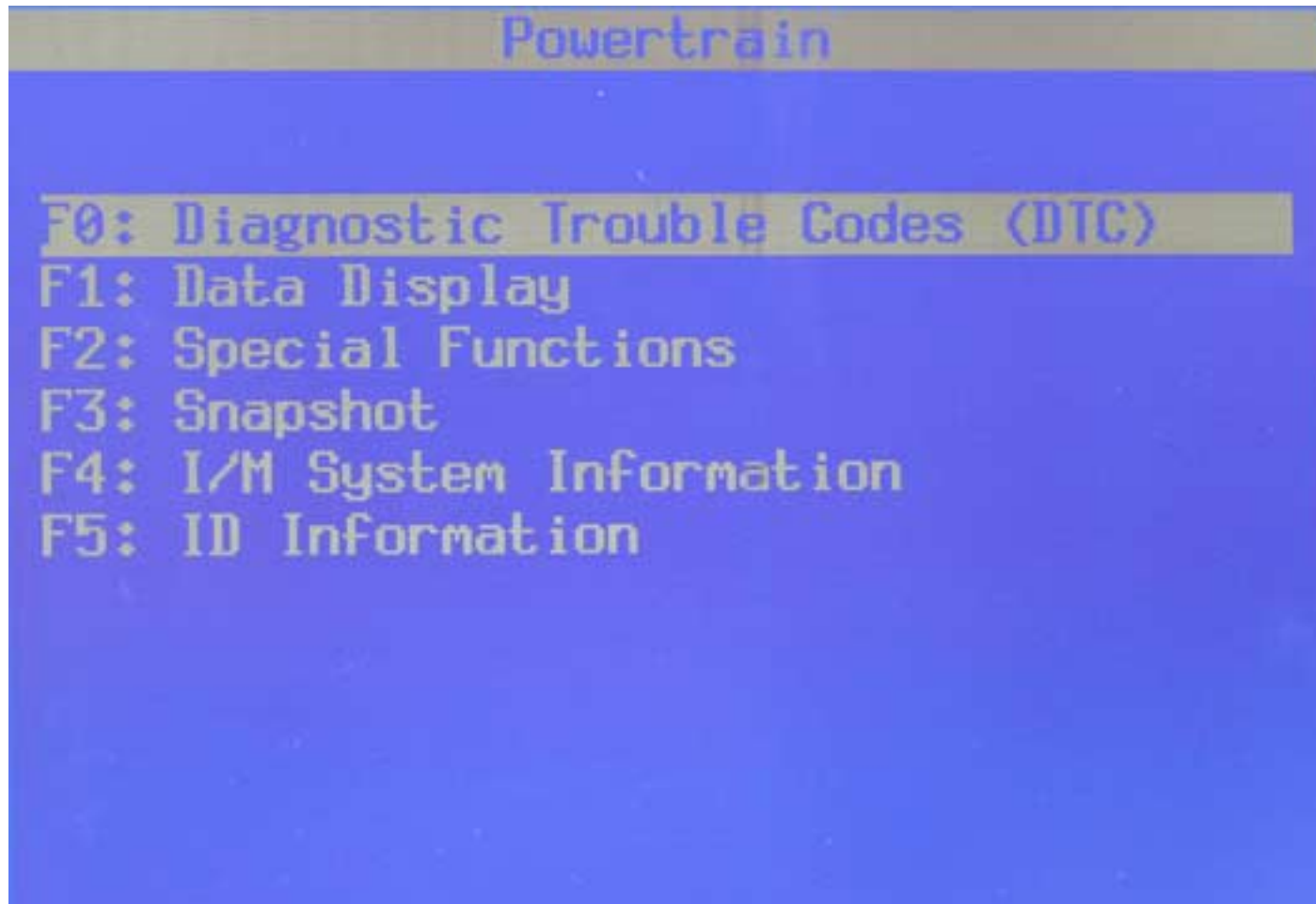
## ... F0, Then, Screens to:

- Select Year Screen .... 2001
- Select Vehicle Screen ... Medium Duty Truck
- Select Powertrain or Transmission
- Select Engine .... 6.5L V8 L65

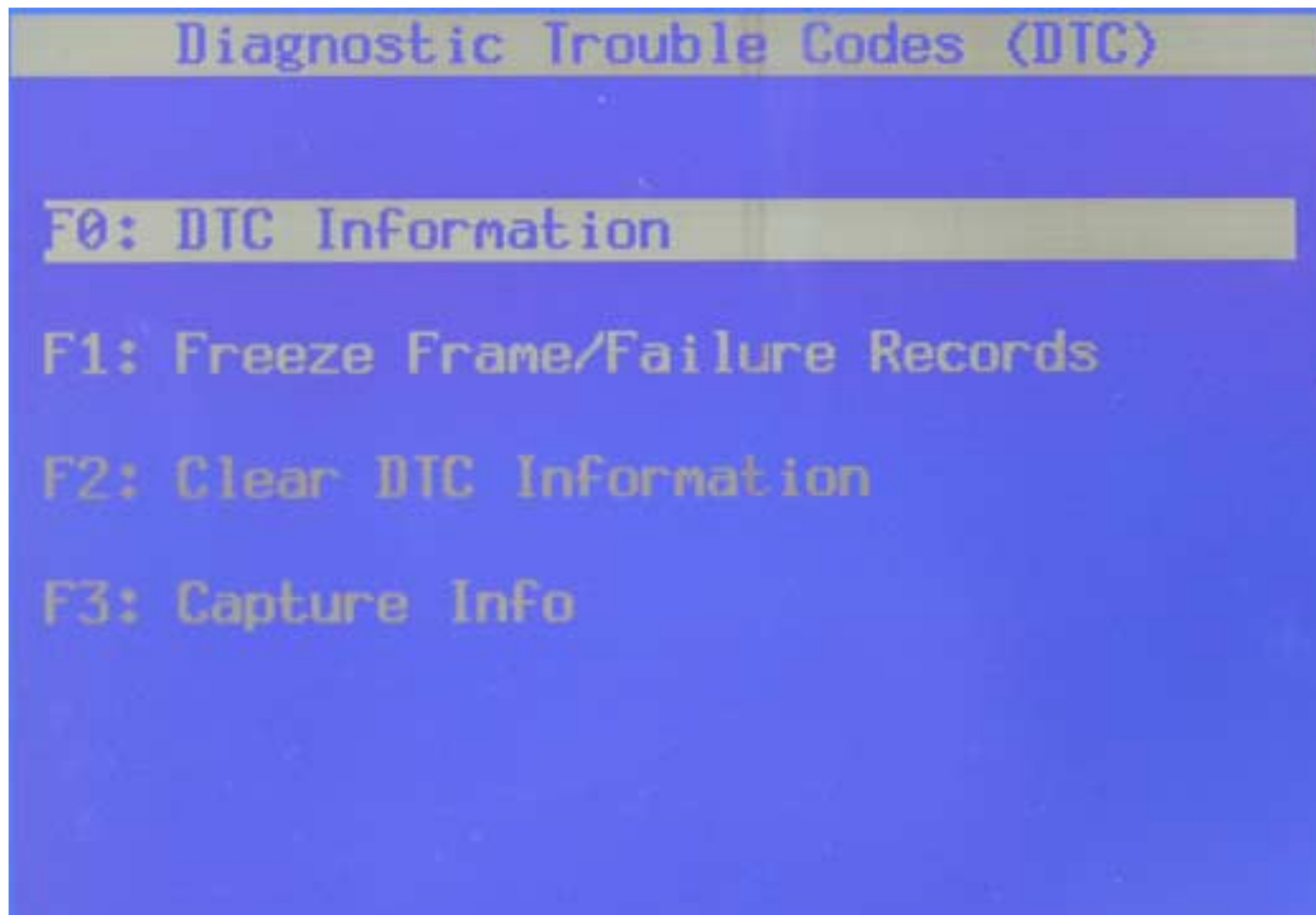
# Diagnostic Screen ... Select F0



# Powertrain Selections ..Select F0



# DTC Choices .... Select F0



# DTC Information ... Select F0



# DTC Information

No Diagnostic Trouble Codes.



# DTC Information ... Select F1



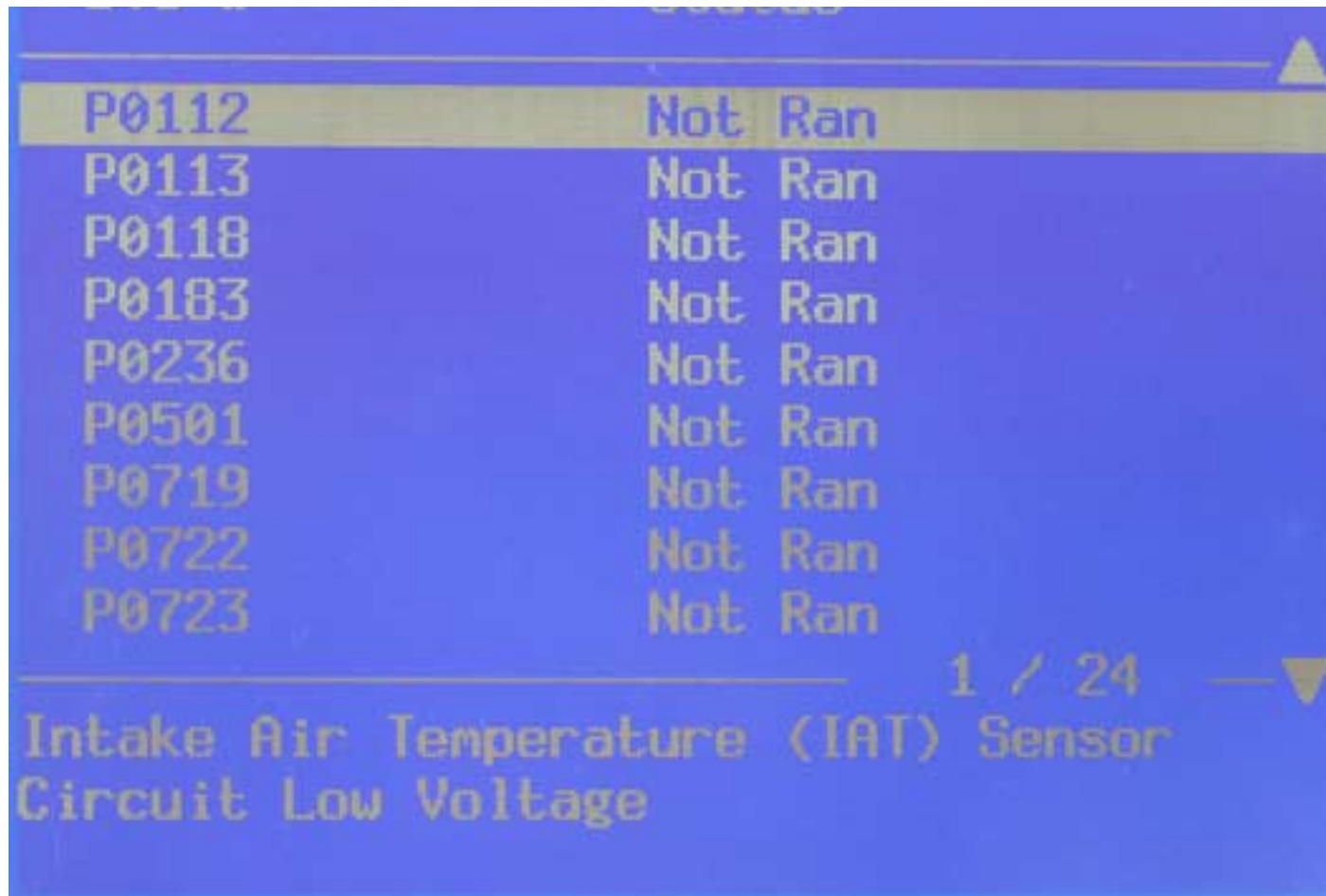
# Specific DTC Choice ...F1



# DTC Information ... Select F2



# DTC Information ... Select F2

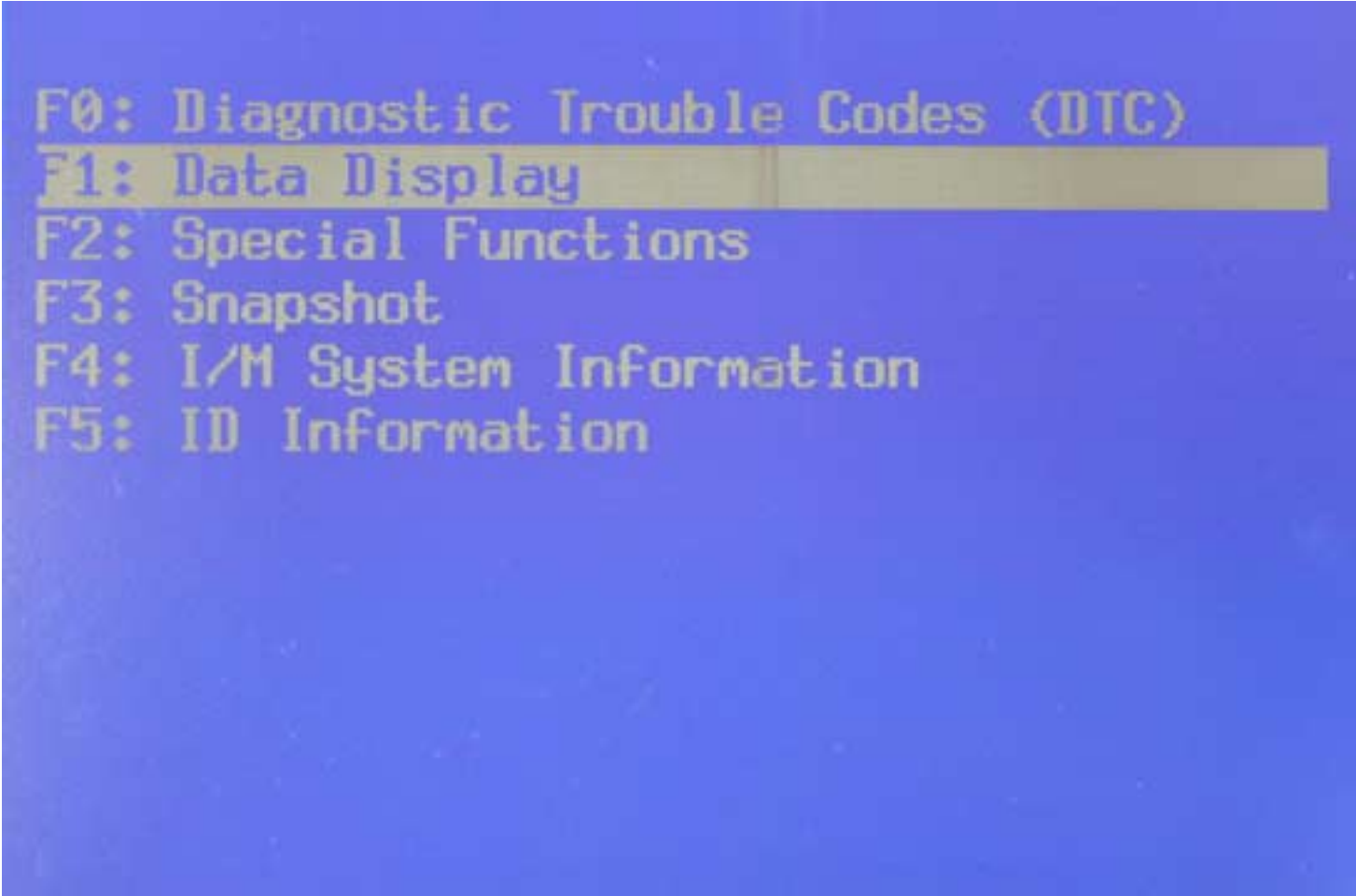


P0112	Not Ran
P0113	Not Ran
P0118	Not Ran
P0183	Not Ran
P0236	Not Ran
P0501	Not Ran
P0719	Not Ran
P0722	Not Ran
P0723	Not Ran

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Intake Air Temperature (IAT) Sensor  
Circuit Low Voltage

# Go Back to Main Diagnostics Screen ... Select F1



A screenshot of a diagnostic menu displayed on a blue background. The menu items are listed vertically, with the second item, 'F1: Data Display', highlighted by a horizontal yellow bar. The other items are 'F0: Diagnostic Trouble Codes (DTC)', 'F2: Special Functions', 'F3: Snapshot', 'F4: I/M System Information', and 'F5: ID Information'.

```
F0: Diagnostic Trouble Codes (DTC)
F1: Data Display
F2: Special Functions
F3: Snapshot
F4: I/M System Information
F5: ID Information
```

# Choose Powertrain Data ... F0 Engine Cold and Idling

F0: Engine Data Display

F1: Transmission Data Display

# Engine Data 1

Engine Speed	598 RPM
Desired Idle Speed	600 RPM
ECT	165 °F
Start Up ECT	116 °F
IAT	105 °F
ECT Sensor	2.63 Volts
BARO	98 kPa
Engine Shutoff Solenoid On	
Wastegate Solenoid	70 %

Engine Speed

Select  
Items

DTC

Quick  
Snapshot

More

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Wastegate Solenoid 70 %  
Boost Pressure Sensor 14 psi  
Vehicle Speed 0 mph  
Fuel Temperature 102 °F  
Fuel Rate 10 mm³  
Glow Plug 1.1 Volts  
Glow Plug System Disabled  
Glow Plug System Type California  
Desired Injection Pump 13.0 °

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Desired Injection Pump Timing

Select  
Items

DTC

Quick  
Snapshot

More



Desired Injection Pump	13.0 °
Actual Inj. Pump Timing	13.0 °
APP Angle	0 %
Accelerator Pedal Pos.1	0.61 Volts
Accelerator Pedal Pos.2	4.41 Volts
Accelerator Pedal Pos.3	4.02 Volts
Inj. Pump Sol. Closure	1.88 ns
TDC Offset	-0.62 °
Ignition Voltage	13.60 Volts

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Ignition Voltage

Select  
Items

DTC

Quick  
Snapshot

More

Ignition Voltage 13.60 Volts  
Brake Switch Open  
Cruise Brake Switch Closed  
Cruise Active Off  
Cruise Switch Off  
Set Switch Off  
Resume Switch Off  
Transmission Range Park/Neutral

Crank Reference Missed 0 Counts

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Crank Reference Missed

Select  
Items

DTC

Quick  
Snapshot

More

Crank Reference Missed 0 Counts  
Inj. Pump CAM Ref. Miss 0 Counts  
Lift Pump 15.5 Volts  
Lift Pump System Enabled  
Engine Load 6 %  
Engine Torque 12 ft-lbs  
Number of DTC(s) 0  
DTC Set This Ignition No  
VTD Fuel Disable Inactive

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VTD Fuel Disable

Select  
Items

DTC

Quick  
Snapshot

More

VTD Fuel Disable Inactive  
VTD Auto. Learn Timer Inactive  
PCM / VCM in VTD Fail E No  
VTD Fuel Disable Until No  
Trans. Fluid Temp. 95 °F  
Calc. A/C Load 0 Counts  
A/C Request No  
A/C Compressor Disengaged  
A/C Relay Off

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A/C Relay

Select  
Items

DTC

Quick  
Snapshot

More

VTD Fuel Disable Until	No	
Trans. Fluid Temp.		96 °F
Calc. A/C Load		0 Counts
A/C Request	No	
A/C Compressor	Disengaged	
A/C Relay	OFF	
MIL	OFF	
Service Throttle Soon L	OFF	
1-2 Sol.	On	

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VTD Fuel Disable Until Ign. Off

Select  
Items

DTC

Quick  
Snapshot

More

1-2 Sol. On  
2-3 Sol. OFF  
Engine Run Time 00:11:42  
Engine Speed 591 RPM  
Desired Idle Speed 600 RPM  
ECT 179 °F  
Start Up ECT 116 °F  
IAT 109 °F  
ECT Sensor 2.31 Volts

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ECT Sensor

Select  
Items

DTC

Quick  
Snapshot

More

BARO 98 kPa

Engine Shutoff Solenoid On

Wastegate Solenoid 70 %

Boost Pressure Sensor 14 psi

Vehicle Speed 0 mph

Fuel Temperature 102 °F

Fuel Rate 10 mm<sup>3</sup>

Glow Plug 1.1 Volts

Glow Plug System Disabled

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Glow Plug

Select  
Items

DTC

Quick  
Snapshot

More

Glow Plug System	Disabled
Glow Plug System Type	California
Desired Injection Pump	13.0 °
Actual Inj. Pump Timing	13.1 °
APP Angle	0 %
Accelerator Pedal Pos.1	0.61 Volts
Accelerator Pedal Pos.2	4.41 Volts
Accelerator Pedal Pos.3	4.02 Volts
Inj. Pump Sol. Closure	1.88 ms

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### Glow Plug System

- Select Items
- DTC
- Quick Snapshot
- More



Accelerator Pedal Pos.2	4.41 Volts
Accelerator Pedal Pos.3	4.02 Volts
Inj. Pump Sol. Closure	1.88 ns
TDC Offset	-0.62 °
Ignition Voltage	13.60 Volts
Brake Switch	Open
Cruise Brake Switch	Closed
Cruise Active	Off
Cruise Switch	Off

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Cruise Switch

Select  
Items

DTC

Quick  
Snapshot

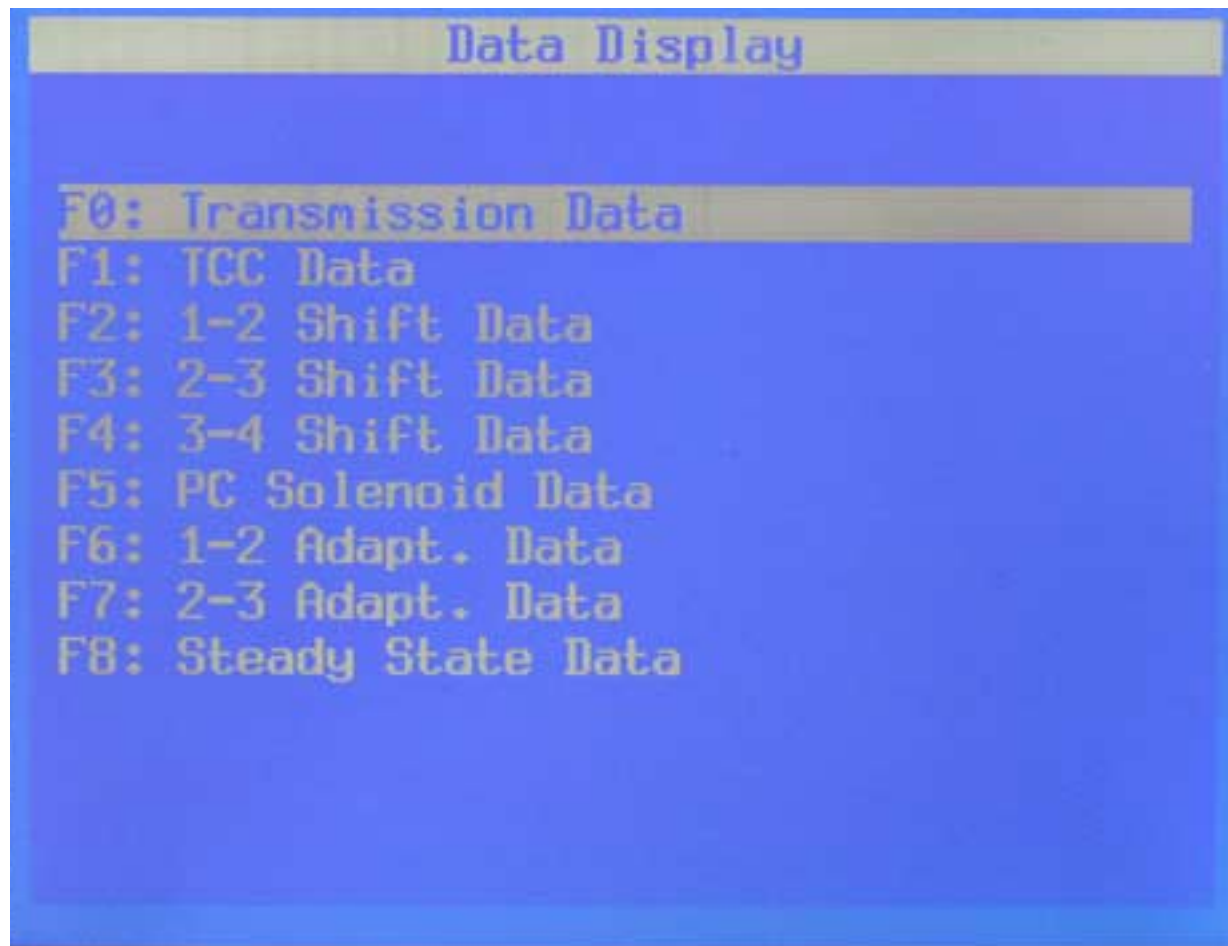
More

# Choose Transmission Data ... F1 Engine Was Cold/Off



# Main Page for Transmission ...

## Select F0



## Transmission Data

Engine Torque	2	ft-lbs
APP Angle	0	%
Engine Speed	0	RPM
Transmission ISS	0	RPM
Turbine Speed	0	RPM
Transmission OSS	0	RPM
Vehicle Speed	0	mph
Current Gear	2	
1-2 Sol.	OFF	

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Engine Torque

Select  
Items

DTC

Quick  
Snapshot

More

# Transmission Data

1-2 Sol. OFF  
2-3 Sol. OFF  
Gear Ratio 8.00 : 1  
Speed Ratio 8.00 : 1  
1-2 Sol. Open/Short to No  
1-2 Sol. Short to Volts No  
2-3 Sol. Open/Short to No  
2-3 Sol. Short to Volts No

TFP Sw. A/B/C OFF OFF OFF

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TFP Sw. A/B/C

Select  
Items

DTC

Quick  
Snapshot

More

## Transmission Data

TFP Sw. A/B/C	OFF	OFF	OFF
ECT	145	°F	
Trans. Fluid Temp.	96	°F	
TFT Sensor	1.48	Volts	
PC Sol. Actual Current	0.00	amps	
PC Sol. Ref. Current	0.00	amps	
PC Sol. Duty Cycle	0	%	
TCC Brake Switch	Open		
TCC Duty Cycle	0	%	

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TCC Duty Cycle

Select  
Items

DTC

Quick  
Snapshot

More