

DIAGNOSTIC LINK





What is Diagnostic Link?

- It is a maintenance and troubleshooting software program that performs all of the same functions as a hand-held reader;
 - View and Clear Active and Inactive Diagnostic Codes
 - View Fuel injector Response Times, Injector Calibrations and Cylinder Cut-Out Tests
 - View Total Engine Data and Engine Trip Data
- **Diagnostic Link has many additional features that save time & money**
- Current Version
 - Version 6.1: DDEC II/III/IV/V and MBE 900/4000
- Compatible with Windows 98/ME/NT/2000/XP



Calibration Template

The image shows two overlapping software windows used for vehicle calibration. The background window is titled 'valley.CDF' and features a menu bar with options: Speed Limit ^7, Compressor ^8, Econ & ESS ^9, Lockout ^0, Misc ^1, Limits ^2, Vehicle ^1, Shift ^2, Protection ^3, ISD & VSG ^4, Cruise ^5, and VSS ^6. It contains several sections with dropdown menus for setting thresholds and warnings, such as 'Oil' (Oil Pressure: Shutdown, Oil Temperature: Warning, Oil Level: Warning), 'Coolant' (Coolant Pressure: Warning), 'Auxiliary Shutdown' (Auxiliary Shutdown 1: Warning, Auxiliary Shutdown 2: Warning), and 'Misc Shutdown' (Intercooler Temperature: Warning, Crankcase Pressure: Warning). A password field with '****' is visible at the bottom left.

The foreground window is titled 'Outback 240.CDF' and has a similar menu bar: Speed Limit ^7, Compressor ^8, Econ & ESS ^9, Lockout ^0, Misc ^1, Limits ^2, Vehicle ^1, Shift ^2, Protection ^3, ISD & VSG ^4, Cruise ^5, and VSS ^6. It is divided into two main sections: 'Vehicle Speed Limit' and 'PasSmart'.
The 'Vehicle Speed Limit' section includes:
- A checked checkbox for 'Set Speed Limit'.
- A 'Speed Limit (mph)' field with a value of 67 and a range of 10..77.
- An 'Overspeed Limit (mph)' field with a value of 0 and a range of 0..127.
- An 'Overspeed No Fuel (mph)' field with a value of 0 and a range of 0..127.
The 'PasSmart' section includes:
- A 'Duration (min)' field with a value of 0.255.
- A 'Reset Interval (hr)' field with a value of 1.24.
- A 'Speed Increment (mph)' field with a value of 0.20.
At the bottom of the 'Outback 240.CDF' window, there is a 'Password:' field, a 'Restore' button, a 'Reset' button, a 'Transmit' button, and a 'Close' button.

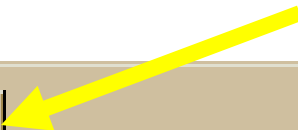
Fault Code Display

Fault Codes - Test1.ddl

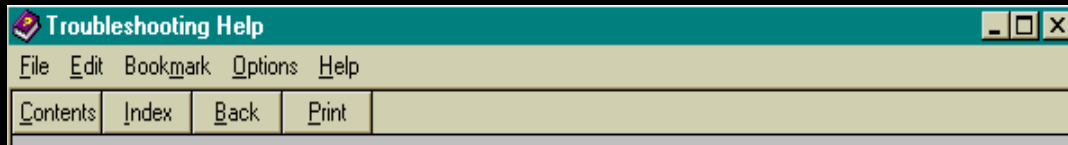
Fault Description	Flash	ECM	ID	FMI	Start	End	Duration	Count
 Fuel temp sensor - input voltage low	24	Mas	P 174	4				
 Fuel temperature high	77	Mas	P 174	0				

Troubleshooting Help Close

Play 00:04:41 Fuel temp sensor - input voltage low ▾



On-Line Troubleshooting Guide



FLASH CODE 23 - FUEL TEMP SENS

DESCRIPTION OF FLASH CODE 23

Flash Code 23 indicates that the engine Fuel Temperature S [Temperature Sensors](#), input to the ECM has exceeded 95% supply voltage.

Note: This code will only be logged during warm engine

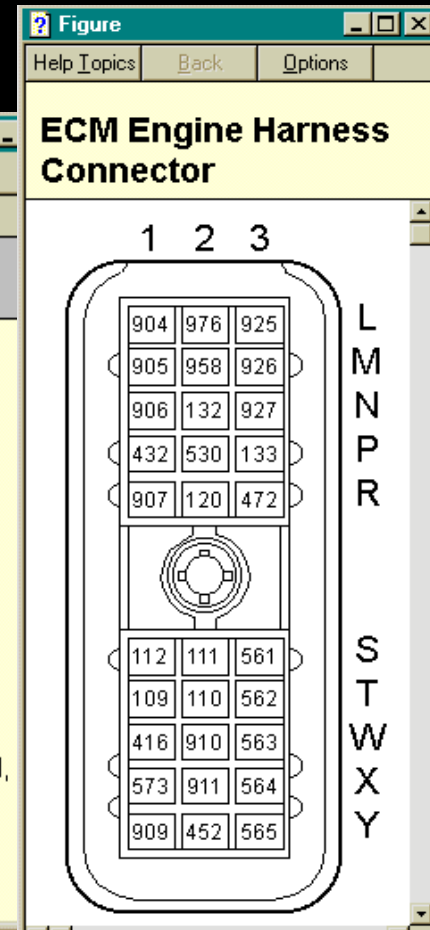
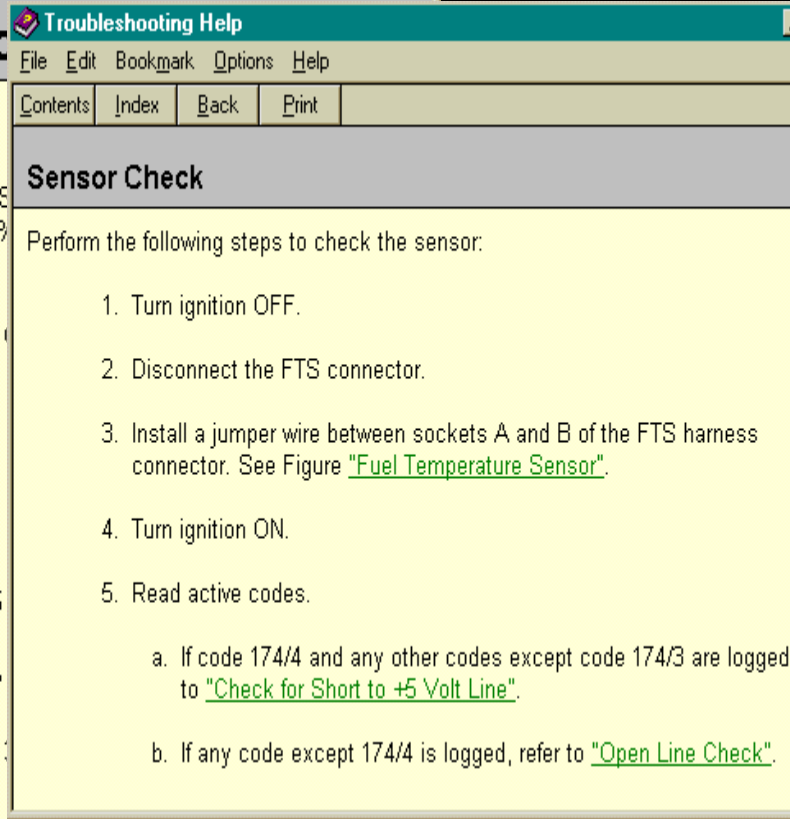
This diagnostic condition is typically:

1. Open sensor signal circuit
2. Open sensor circuit return
3. Sensor signal circuit is shorted to the sensor +5

SAE J1587 EQUIVALENT CODE FOR FLASH

The SAE J1587 equivalent code for Flash Code 23 is p 174

[TROUBLESHOOT FLASH CODE 23](#)



Customize the way you look at data

The image shows a software interface for vehicle instrumentation. The main window displays various engine and vehicle parameters in a grid layout. A dialog box titled "Modify user page" is overlaid on the right side, allowing for customization of the data display.

Instrumentation - egr82902a.ddl Vehicle Unit Number: ECONOVEGAS Engine Serial Number: 06R0573719

Power ^1 | Jake Brake ^2 | Misfire ^3 | Smoke ^4 | EGR ^5 | Nat Gas ^6 | Exh Temps ^7 | Graph ^8 | User ^9

Engine Speed rpm	Turbo Shaft Speed rpm	Barometer psi
1514	81500	14.1
Boost Pressure psi	EGR Delta Pressure "H2O	EGR Delta P Counts
27.1	154.0	265
Accelerator Pedal Pos	Vehicle Speed mph	
0 %	63	
Percent Engine Load	Battery Voltage V	
85 %	13.2	
VGT Vanes Actuator	Pulse Width	
55 %gnd	24.0	
EGR Valve		
90 %gnd		

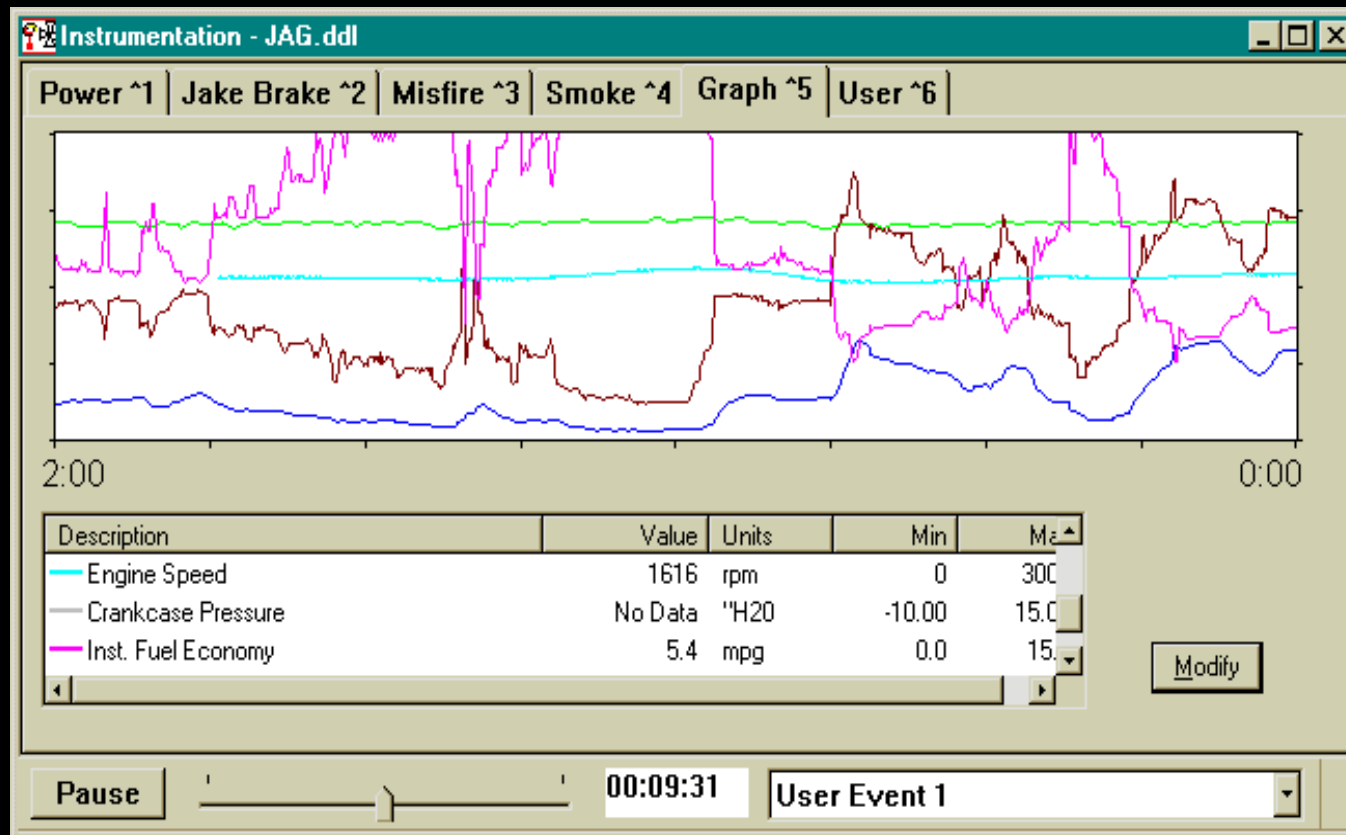
Modify user page

- Meter 1: 0 25 50 75 100 (Engine Oil Temperature)
- Meter 2: 0 25 50 75 100 (Injector Pressure)
- Meter 3: 0 25 50 75 100 (Boost Pressure)
- Meter 4: 0 25 50 75 100 (Output Torque)
- Digital 5: [Red Box] (TPS Counts)

Other parameters in dialog:
Injector Pressure (dropdown)
Inst. Fuel Economy (dropdown)
Intake Air Temp (dropdown)
Knock Volts (dropdown)
Non ESS Shifts (dropdown)
Output RPM (dropdown)
Output Torque (dropdown)
Engine Oil Level (dropdown)
Text 8: No Data (dropdown)
No Data (dropdown)
ol Mode (dropdown)
No Data (dropdown)

Buttons: OK, Cancel

Snapshot is saved for future playback, it can be sent as an email attachment



Summary of DDEC Reports and Diagnostic Link

