

# Ford Falcon EFI Engine/Automatic Transmission Diagnostic Trouble Code Retrieval

FALCON EBII & ED 4.0L FORD FAIRLANE NC & NCII, LTD DC & DCII 6Cyl EEC-IV

Year range: 1992 to 1994

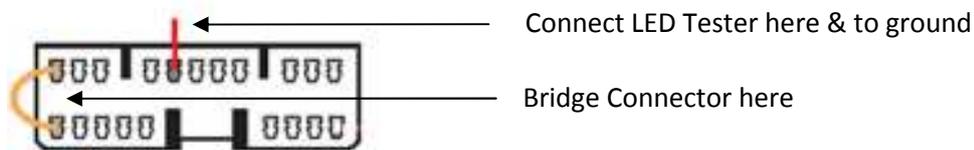
## Self Test Mode

The EEC-IV Diagnostic Connector is located under the dash – driver's side.

The diagnostic trouble codes (DTC's) can be read using an LED connected to the Vehicle's Diagnostic connector. These instructions are for Key On Engine Off Test (KOEO).

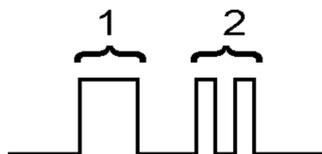
**Note:** LED Testers are available from us – go to the [obd-obdii.com](http://obd-obdii.com) Products page

## Engine Diagnostic Connector Diagram



- 1 Run engine until it reaches operating temperature.
- 2 If you are reading codes for the Automatic Transmission, if possible you should drive the car to get the transmission up to operating temperature.
- 3 Stop the vehicle and turn ignition OFF.
- 4 Link terminals with a wire link, as shown in the diagram.
- 5 Connect an LED tester to the connector pin as shown in the diagram and ground.
- 6 Turn the ignition ON.
- 7 Read codes as described in the Code Format Diagram below.

## Code Format Diagram



## Code Format Description

- The EEC-IV system displays two types of codes, hard codes and memory codes. Hard Codes are present at time of test. Memory Codes previously detected codes.
- Hard Codes are displayed first followed by a single separator flash (with a 6 second pause) then Memory Codes.
- Each fault code is repeated 2 times before next code is displayed.
- Ignore any quick flashes that may occur before both Hard Codes and Memory Codes.

**To Erase Codes:**

Turn the ignition key off for a period of 10 seconds, then on.

Activate the Self Test, as soon as the Diagnostic codes are being displayed, simply remove the bridge to the Self Test Input.

**Ford DTC's (Diagnostic Trouble Codes)**

30 Multipoint SWB (2.92 Axle) Identification

40 Multipoint SWB (3.27 Axle) Identification

50 Multipoint LWB, Wagon, Ute and Van Identification

10 Separator Code

11 System Pass

12 High RPM Idle Check Fail

13 Low RPM Idle Check Fail

14 Unsteady PIP Signal during Idle Test

15 Bad ROM / KAM Data

16 RPM Too Low to run Fuel Test

19 Internal EEC-IV Power too Low

21 ECT Circuit

22 MAP Sensor Circuit

23 TPS Sensor Out Of Range

24 ACT Sensor Circuit

26 Trans Oil Temp Sensor Out Of Range

27 Shift Lever Position Input Fault

36 Shaft Speed Signal Fault (speedo sensor)

41 Oxygen Sensor always Lean

42 Oxygen Sensor always Rich

44 Smartlock Enable Code not present

51 Engine Coolant Temperature Voltage too High

52 Power Steering Switch Open (Ignore on Utes & Vans)

53 Throttle Position Sensor Voltage too High

54 ACT Voltage too High

57 Power / Economy Switch Circuit

61 Engine Coolant Temperature Voltage too Low

63 Throttle Position Sensor Voltage too Low

64 ACT Voltage too Low

67 Air Conditioning Input Fault

72 No Dynamic MAP Change

73 No Dynamic TPS Change

77 Goose Test NOT Performed

78 Transmission Battery Circuit

85 Canister Purge Solenoid Output Check Fail

87 Fuel Pump Output Circuit Fail

95 Solenoid 5 Fault (variable pressure control)

96 PCS Solenoid Fault (pressure control)

98 ON/OFF Solenoid Fault Circuit

99 Throttle Not Learnt