

Trouble Code Identification Chart

NOTE: Always ground the test lead/terminal AFTER the engine is running

Trouble Code	Applicable System	Possible Problem Area
12	C-4, CCC	No reference pulses to the ECM. This is not stored in the memory and will only flash when the fault is present (not to be confused with the Code 12 discussed earlier).
13	C-4, CCC	Oxygen sensor circuit. The engine must run for at least 5 min. (18 min. on the C-4 equipped 231 V6) at part throttle before this code will show.
13 & 14 (at same time)	C-4	See code 43.
13 & 14 (at same time)	C-4	See code 43.
14	C-4, CCC	Shorted coolant sensor circuit. The engine must run 2–5 min. before this code will show.
15	C-4, CCC	Open coolant sensor circuit. The engine must run for at least 5 min. (18 min. on the C-4 equipped 231 V6) before this code will show.
21	C-4 C-4, CCC	Shorted wide open throttle switch and/or open closed-throttle switch circuit (when used). Throttle position sensor circuit. The engine must run for at least 10 sec. (25 sec.—CCC) below 800 rpm before this code will show.
21 & 22 (at same time)	C-4	Grounded wide open throttle switch circuit (231 V6).
22	C-4	Grounded closed throttle or wide open throttle switch circuit (231 V6).
23	C-4, CCC	Open or grounded carburetor mixture control (M/C) solenoid circuit.
24	CCC	Vehicle speed sensor circuit. The engine must run for at least 5 min. at normal speed before this code will show.
32	C-4, CCC	Barometric pressure sensor (BARO) circuit output is low.
32 & 55 (at same time)	C-4	Grounded +8V terminal or V(REF) terminal for BARO sensor, or a faulty ECM.
34	C-4 CCC	Manifold absolute pressure sensor (MAP) output is high. The engine must run for at least 10 sec. below 800 rpm before this code will show. Manifold absolute pressure sensor (MAP) circuit or vacuum sensor circuit. The engine must run for at least 5 min. below 800 rpm before this code will show.
35	CCC	Idle speed control circuit shorted. The engine must run for at least 2 sec. above ½ throttle before this code will show.
42	CCC	Electronic spark timing (EST) bypass circuit grounded.

Ford F150 Fault Codes

A Gutmann



Ford F150 Fault Codes:

Popular Mechanics, 1992-11 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle *Advanced Automotive Engine Performance* Michael Klyde, CDX Automotive, 2020-04-17 Advanced Automotive Engine Performance is designed to prepare novice technicians for the challenge of diagnosing today s highly technical electronic engine controls Using this curriculum learners will gain familiarity with the operation and variations of emissions systems and associated onboard monitors The curriculum especially focuses on applying diagnostic strategy to and performing service procedures for emissions systems faults Learners will also develop an understanding of IM testing and an ability to interpret IM test reports to aid in diagnosis This objective based curriculum will prepare learners for the challenges of servicing engine management systems in the shop today This is a complete curriculum solution for Advanced Automotive Engine Performance Online courseware is available and is rich in video and animation to support understanding of complex systems This solution is available in print plus digital or digital only offerings providing eBook and online course pairing with mobile friendly adaptability Complete tests tasksheets and instructor resources make this curriculum easy to adopt and integrate into any automotive program **How to Tune and Modify Ford Fuel Injection** Ben Watson, Ford Onboard Diagnostics

Automotive Training Group, 2009 *Heavy Truck Diagnostic Trouble Codes, Includes Medium Trucks*, 2010 **Heavy Truck Diagnostic Trouble Codes, Includes Medium Trucks**, 2013 **1997 Ford F-150** Ford Motor Company, 1995

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contract and released the funds back to your account often due to issues with the delivery by the supplier

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web 2 justify the reason s why you want to release refund the guarantee 3 request from the bank to cancel release return receive or discharge the funds 4 request for of funds to available for dispatch or transfer 5 optionally request that closure

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