## GM OBD I DIAGNOSTIC CODES DESCRIPTION

Engine Coolant Temperature (ECT) Sensor Circuit - low temperature

Throttle Position (TP) Sensor Circuit - signal voltage high

Throttle Position (TP) Sensor Circuit - signal voltage low

Intake Air Temperature (IAT) Sensor Circuit - low temperature

Intake Air Temperature (IAT) Sensor Circuit - high temperature

Manifold Absolute Pressure (MAP) Sensor Circuit - signal voltage high

Manifold Absolute Pressure (MAP) Sensor Circuit - signal voltage low

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System Voltage High

Camshaft Position Sensor Circuit Error

Intermittent 7X Reference Signal

Vehicle Speed Sensor (VSS) Circuit

Turbo Wastegate Overboost - 2.0L VIN M

Mass Air Flow Sensor Circuit - high frequency

Mass Air Flow Sensor Circuit - low frequency

Ignition Control (IC) Timing Circuit Error (3100 VIN M)

Ignition Control 24X Signal Circuit Error

Knock Sensor (KS) circuit - spark timing

Exhaust Gas Recirculation (EGR) Valve

Quad - Driver (QDM) Circuit

PRNOL Error

Idle Speed Error

TCC Brake Switch Error

Torque Converter Clutch Circuit

Brake Switch Circuit

1X Reference Circuit

Quad - Driver Module (QDM1) Quad - Driver Module (QDM2)

- DTC
- - Oxygen Sensor (O2s) Circuit open circuit
- Engine Coolant Temperature (ECT) Sensor Circuit high temperature 43 14

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**EPROM Error** 

Battery Voltage Error

Fuel Pump Circuit

Fuel Lean Monitor

Loss of Serial Data

Fuel Injector Circuit - low current

Digital EGR #1 Solenoid Error

Digital EGR #2 Solenoid Error

Digital EGR #2 Solenoid Error

Transaxle Fluid Overtemo

Analog/Digital Error

**EEPROM Error** 

TCC Error

Transaxle Component Error

Trans System Voltage Low

Invalid PCM Program Invalid PCM Program

Ignition Control 3X Signal Error

EPROM Error - faulty or incorrect calibration

- - Ignition Control (IC) Bypass Error (3100 VIN M)
  - Knock Sensor (KS) circuit spark control
  - Oxygen Sensor (O2s) Circuit lean exhaust indicated
  - Oxygen Sensor (O2s) Circuit rich exhaust indicated
  - Power Steering Pressure Switch Circuit

Transaxle Fluid Temperature (TFT) Sensor - high temperature

Transaxle Fluid Temperature (TFT) Sensor - low temperature

Vehicle Speed Sensor (VSS) Circuit - signal error (3100 VIN M)

A/C Refrigerant Pressure Sensor Circuit - low pressure

A/C Refrigerant Pressure Sensor Circuit - high pressure

DESCRIPTION

# **Ford Focus Engine Fault Codes**

**G** Orfield

#### **Ford Focus Engine Fault Codes:**

Automotive Engine Performance Nicholas Goodnight, Kirk Van Gelder, 2019-02-20 Automotive Engine Performance published as part of the CDX Master Automotive Technician Series provides technicians in training with a detailed overview of modern engine technologies and diagnostic strategies Taking a strategy based diagnostic approach it helps students master the skills needed to diagnose and resolve customer concerns correctly on the first attempt Students will gain an understanding of current diagnostic tools and advanced performance systems as they prepare to service the engines of Haynes Ford Focus 2000 and 2001 Jay Storer, John Harold Haynes, 2002 Inside this manual the reader will tomorrow learn to do routine maintenance tune up procedures engine repair along with aspects of your car such as cooling and heating air conditioning fuel and exhaust emissions control ignition brakes suspension and steering electrical systems wiring diagrams Fundamentals of Automotive Technology Kirk VanGelder, Kirk T. VanGelder, 2022-02-23 Fundamentals of Automotive Technology Principles and Practice Third Edition is a comprehensive resource that provides students with the necessary knowledge and skills to successfully master these tasks 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 Chilton's Ford Windstar 1995-98 Repair Manual, 1998 Covers all U S and Canadian models of Ford Windstar Cover Lemon-Aid New Cars and Trucks 2012 Phil Edmonston, 2011-12-03 Offers advice for prospective buyers of cars and trucks reveals information on secret warranties and confidential service bulletins and tells how to complain and get results Motor **Industry Magazine** ,2006 Chilton's Ford ,1998 **Automotive Diagnostic Systems** Keith McCord, 2011 OBD expert tuner and author Keith McCord explains system architecture function and operation He shows you how to use a hand held scanner connect it to the port connector in the car and interpret the data But most importantly he shows you a practical analytical and methodical process for tackling a problem so you can quickly trace its actual source and fix the root cause and not just the symptom from page 4 of cover Motor Industry Management ,2000-02 Car and Driver .2001 Glamour

,2000 **Road and Track** ,2001 **Elle** ,2000 *Popular Science* ,2007-05 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better

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web mar 24 2020 subsoil drain 5 1 this work shall include supply and installation of subsoil drains constructed in accordance with these specifications at locations as shown on the drawing and or as directed by the s o 5 2 minimum gradient of 1 100 shall be provided for the drain to discharge into existing stormwater system open drain creek or

## jkr sandakan urged to come up with sewage system report - Jun 30 2022

web mar 21 2017 although the sewage and drainage system are under the responsibility of jkr tan said that the people here are also responsible to maintain the cleanliness of their toilet bowls manholes and drains *cj technical updates jkr* - May 10 2023

web 5 1 surface drainage all road design must incorporate features or elements to drain water off the road without causing siltation and erosion the road drainage is designed so that it will produce the desired velocity of flow that is high enough to prevent silting and lower the erosion potential low water flow velocity

## section s drainage works jkr malaysia pdf scribd - Sep 02 2022

web 1 1 all drainage works shall be in accordance with the jkr standard specification for drainage works in building projects no 20601 0195 13 or the latest edition published by jkr and the requirements of the msma 1 2 the works shall include the construction of surface drains sumps culverts subsoil

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web f soil drainage f 1 f 6 g roofing work g 1 g 3 h carpentry joinery and ironmongery works h 1 h 14 i structural steel and metal works i 1 i 10 j plastering paving and tiling works j 1 j 10 k water supply plumbing sanitary and