

# INSPECTION CHART FOR DIAGNOSIS CODES

| Code No. | Diagnosis item                                                                   | Reference page |
|----------|----------------------------------------------------------------------------------|----------------|
| 11       | Accelerator pedal position sensor (main) system                                  | 13C-8          |
| 12*      | Boost pressure sensor system                                                     | 13C-9          |
| 13       | Barometric pressure sensor (ECU built-in) system                                 | 13C-10         |
| 14       | Fuel temperature sensor system                                                   | 13C-10         |
| 15       | Engine coolant temperature sensor system                                         | 13C-11         |
| 16       | Boost air temperature sensor system                                              | 13C-11         |
| 17       | Vehicle speed sensor system                                                      | 13C-12         |
| 18       | Engine speed sensor (backup) system                                              | 13C-13         |
| 21       | Engine speed sensor system                                                       | 13C-14         |
| 23       | Idle switch (accelerator pedal position sensor built-in) system                  | 13C-15         |
| 25*      | Timer piston position sensor system                                              | 13C-16         |
| 26*      | Control sleeve position sensor system                                            | 13C-17         |
| 27       | Accelerator pedal position sensor (sub) system                                   | 13C-18         |
| 41*      | Main throttle solenoid valve system                                              | 13C-19         |
| 43       | Timing control valve system                                                      | 13C-20         |
| 46       | Injection correction ROM system                                                  | 13C-21         |
| 48*      | GE actuator (in the middle of control sleeve position sensor inoperative) system | 13C-21         |
| 49*      | Over boost (turbocharger waste gate malfunction)                                 | 13C-22         |
| 54       | Immobilizer system                                                               | 13C-22         |

## Caution

If the the above-mentioned diagnosis code number with the asterisks can be displayed along with another code number in parentheses simultaneously, check the other code number before replacing the engine-ECU.

12 (41, 49), 26 (48), 25 (43), 41 (12, 49), 48 (26), 49 (12, 41)

# Toyota Check Engine Light Codes

**Alan Bonnick**



## **Toyota Check Engine Light Codes:**

**Chilton's Toyota Corolla 1970-87 Repair Manual** Chilton Book Company,1995 Total Car Care is the most complete step by step automotive repair manual you ll ever use All repair procedures are supported by detailed specifications exploded views and photographs

**Toyota MR2 Performance HP1553** Terrell Heick,2009-11-03 A complete owner s guide for owners and enthusiasts of Toyota s MR2 one of the most successful mid engined sports cars ever built Includes History sales and model year details OEM Maintenance and Repairs Chassis Brake Engine Bolt On Modifications Racing Your MR2 Safety and staged combinations to build MR2s for any high performance use from mild street to autocrossing and road racing

*Engine Code Manual* Chilton Automotive Books,The Nichols/Chilton,Chilton,1995 The complete manual for understanding engine codes troubleshooting basic maintenance and more

**Automotive Computer Controlled Systems** Alan Bonnick,2007-08-15 Automotive Computer Controlled Systems explains the fundamental principles of engineering that lie behind the operation of vehicle electronic systems Having obtained this knowledge the reader will be able to make full use of the diagnostic equipment which is currently available The book builds on the concepts contained in Vehicle Electronic Systems and Fault Diagnosis and gives clear steps to fault diagnosis and subsequent repair of the vehicle s electronic systems The author discusses electronics only within the context of the vehicle systems under consideration and thus keeps theory to a minimum Allan Bonnick has written articles for several transport vehicle journals and carries out consultancy work for the Institute of Road Transport Engineers In addition he has had many years teaching experience and is ideally placed to write this informative guide

**How To Use Automotive Diagnostic Scanners** Tracy Martin,2015-08-01 From hand held dedicated units to software that turns PCs and Palm Pilots into powerful diagnostic scanners auto enthusiasts today have a variety of methods available to make use of on board diagnostic systems And not only can they be used to diagnose operational faults they can be used as low budget data acquisition systems and dynamometers so you can maximize your vehicle s performance Beginning with why scanners are needed to work effectively on modern cars this book teaches you how to choose the right scanner for your application how to use the tool and what each code means How To Use Automotive Diagnostic Scanners is illustrated with photos and diagrams to help you understand OBD I and OBD II systems including CAN and the scanners that read the information they record Also included is a comprehensive list of codes and what they mean From catalytic converters and O2 sensors to emissions and automotive detective work this is the complete reference for keeping your vehicle EPA compliant and on the road

**Toyota Pick-ups & 4-runner Automotive Repair Manual** John B. Raffa,Larry Warren,John Harold Haynes,1995

**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

**Popular Mechanics Complete Car Care Manual** Popular Mechanics,2008 Vehicle

maintenance      **Automotive Fuel and Emissions Control** Ekaling Jain,2025-01-03 Automotive Fuel and Emissions Control emphasizes the troubleshooting and diagnostic aspects of emissions control systems and automotive fuel We cover all factors related to this field aligning with the latest NATEF tasks This book caters to the educational needs of students worldwide especially those studying automotive fuels and emissions control systems We also focus on meeting the requirements of professional technicians addressing the need for improved training standards Our book aims to equip budding technicians with the necessary skills for effective diagnostics and procedures fulfilling both basic and advanced needs      **Popular Mechanics** ,1985-05 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      *PC Mag* ,2006-09-19 PCMag com is a leading authority on technology delivering Labs based independent reviews of the latest products and services Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology      **The Toyota Camry 1997-2001: An Essential Guide to Owner Maintenance and Repair** Pasquale De Marco,2025-08-12 The Toyota Camry 1997 2001 An Essential Guide to Owner Maintenance and Repair is the essential guide to owner maintenance and repair for your Toyota Camry from 1997 to 2001 With clear instructions and detailed photos The Toyota Camry 1997 2001 An Essential Guide to Owner Maintenance and Repair will help you keep your Camry running in top condition for years to come Whether you re a seasoned mechanic or a complete novice The Toyota Camry 1997 2001 An Essential Guide to Owner Maintenance and Repair has something for you The book is divided into ten chapters each of which covers a different aspect of Camry ownership and maintenance Chapter 1 provides an overview of the Camry including its model year variations engine specifications and transmission options Chapter 2 covers essential maintenance tasks such as checking and replacing fluids tire care and rotation and battery maintenance Chapters 3 through 9 delve into more specific repairs including engine repair transmission repair suspension and steering electrical system heating and air conditioning body and paint and audio and electronics Each chapter is packed with step by step instructions troubleshooting tips and clear photos to help you get the job done right The final chapter Chapter 10 covers troubleshooting and diagnostics It provides an overview of the diagnostic tools and equipment you ll need and it shows you how to interpret diagnostic trouble codes and troubleshoot common problems With The Toyota Camry 1997 2001 An Essential Guide to Owner Maintenance and Repair you ll have everything you need to keep your Toyota Camry running in top condition So what are you waiting for Get your copy today The Toyota Camry 1997 2001 An Essential Guide to Owner Maintenance and Repair covers everything from basic maintenance tasks to more complex repairs making it the perfect choice for Camry owners of all skill levels Whether you re looking to save money on repairs or simply want to keep your Camry in top condition The Toyota Camry 1997 2001 An Essential Guide to Owner Maintenance and Repair has you covered So what are you waiting for Get your copy of The Toyota

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Diagnosing EVAP leaks It doesn't have to be complicated Section 2 Baseline the system includes retrieving FF codes monitor status Freeze Frames information gathering Monitor status flag Code Setting Criteria How and why was the code set Freeze Frame and Code Setting Criteria comparison Dividing the diagnostic process into systems and using the codes to detect system faults First rule of diagnostics Know the system you're working on System by System outlook Which Monitors are Incomplete The need to prove each system without having to run a drive cycle by using the scanner saving time money General Idle PID Snap Shot Section 3 INTRODUCTION OBD 2 Generic PID list OBD I and OBD II and general PID analysis FUEL DELIVERY FAULT DETECTION TEST 1 TEST 2 TEST 3 TEST 4 TEST 5 RUNNING THE MONITORS IN YOUR MIND USING THE SCANNER Section 4 Putting it all together Principles of diagnostics Basic Scope Testing and Bi Directional Control No Start General Diagnostics The correct decision making process to a sound repair Don't assume anything or get caught in a particular mind set Taking all the facts into account Auto Fuel and Emission Control Systems James E. Duffy, Howard Bud Smith, 1992

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