

1995-97 DIAGNOSTIC TROUBLE CODE (DTC) APPLICATIONS

MIL Code	Scan Tool Code	DRB Scan Tool Display
11 ①	P1390	Timing belt skipped 1 tooth or more
11 ①	P1391	Intermittent loss of CMP or CKP
12 ②		Battery disconnect
13 ①	P1297	No change in MAP from from start to run
14 ①	P0107	MAP sensor voltage too low
14 ①	P0108	MAP sensor voltage too high
15 ①	P0500	No vehicle speed sensor signal
17 ①	P0125	Closed loop temperature not reached
21 ①	P0131	Upstream O2S shorted to ground
21 ①	P0132	Upstream O2S shorted to voltage
21 ①	P0133	Upstream O2S response
21 ①	P0134	Upstream O2S stays at center
21 ①	P0135	Upstream O2S heater failure
21 ①	P0137	Downstream O2S shorted to ground
21 ①	P0138	Downstream O2S shorted to voltage
21 ①	P0139	Downstream O2S response
21 ①	P0141	Downstream O2S heater failure
22 ③	P0117	ECT sensor voltage too low
22 ③	P0118	ECT sensor voltage too high
23 ③	P0112	Intake air temperature voltage low
23 ③	P0113	Intake air temperature voltage high
24 ③	P0121	TPS voltage does not agree with MAP
24 ③	P0122	Throttle position sensor voltage low
24 ③	P0123	Throttle position sensor voltage high
25 ③	P0505	Idle air control motor circuits
25 ③	P1294	Target idle not reached
25 ③	P1299	Vacuum leak found (IAC fully seated)
27 ③	P0201	Injector #1 control circuit
27 ③	P0202	Injector #2 control circuit
27 ③	P0203	Injector #3 control circuit
27 ③	P0204	Injector #4 control circuit
31 ①	P0441	Evap purge flow monitor failure
31 ①	P0443	EVAP solenoid circuit
32 ①	P0401	EGR system failure
32 ①	P0403	EGR solenoid circuit
33 ②		A/C clutch relay circuit
34 ②		Speed control solenoid circuits
35 ②		High speed fan relay circuit check
35 ②		Low speed fan relay circuit check
35 ②	P1491	Radiator fan control relay circuit
37 ①	P0740	Torque converter clutch no rpm drop at lockup
37 ①	P0743	Torque converter clutch solenoid circuit
37 ①	P1899	Park/Neutral switch failure
41 ③		Generator field not switching properly
42 ②		Fuel pump relay control circuit
43 ①	P0300	Multiple cylinder misfire
43 ①	P0301	Cylinder #1 misfire
43 ①	P0302	Cylinder #2 misfire

Obd0 Check Engine Codes

Bob Henderson, John Haynes

A red circular graphic with a gradient, appearing as a stylized arrow or a light effect, positioned to the right of the authors' names.

Obd0 Check Engine Codes:

OBD-II & Electronic Engine Management Systems Bob Henderson, John Haynes, 2006-11-01 This manual takes the mystery out of Second Generation On Board Diagnostic Systems allowing you to understand your vehicles OBD II system plus what to do when the Check Engine light comes on from reading the code to diagnosing and fixing the problem Includes a comprehensive list of computer codes Computer controlled car repair made easy For all car and light truck models manufactured since 1996 Understand your vehicle's On Board Diagnostic system How to deal with that Check Engine light from reading the code to diagnosing and fixing the problem Comprehensive computer codes list Diagnostic tools Powertrain management fundamentals OBD II monitors explained Generic trouble codes that cover all models Manufacturer specific trouble codes for GM Ford Chrysler Toyota Lexus and Honda Acura vehicles Let your car's computer help you find the problem Component replacement procedures Glossary and acronym list Fully illustrated with over 250 photographs and drawings

OBD-II & Sistemas de Control Electronico del Motor Bob Henderson, John Haynes, 2011-07-11 This manual takes the mystery out of Second Generation On Board Diagnostic Systems allowing you to understand your vehicles OBD II system plus what to do when the Check Engine light comes on from reading the code to diagnosing and fixing the problem Includes a comprehensive list of computer codes Computer controlled car repair made easy For all car and light truck models manufactured since 1996 Understand your vehicle's On Board Diagnostic system How to deal with that Check Engine light from reading the code to diagnosing and fixing the problem Comprehensive computer codes list Diagnostic tools Powertrain management fundamentals OBD II monitors explained Generic trouble codes that cover all models Manufacturer specific trouble codes for GM Ford Chrysler Toyota Lexus and Honda Acura vehicles Let your car's computer help you find the problem Component replacement procedures Glossary and acronym list Fully illustrated with over 250 photographs and drawings

Chevrolet Onboard Diagnostics Automotive Training Group, 2009 *CAN OBD 2 Code Reader*,

Automotive Diagnostic Scanners KYTHORN. WYNDEL, 2025-04-08 Are you tired of expensive auto repair bills and not knowing how to troubleshoot your car's issues Want to take control of your vehicle's health and perform your own diagnostics like a pro Automotive Diagnostic Scanners is the ultimate guide for beginners showing you step by step how to use OBD II scanner tools to identify problems and save money on car repairs Whether you're a DIY mechanic or simply want to understand what's going on under the hood this book will empower you to take charge of your car's maintenance In this easy to follow guide you'll discover how to Use an OBD2 scanner to read and clear engine codes understanding exactly what they mean and how to fix them Troubleshoot your car like a professional using scan tools to identify everything from engine misfires to check engine light issues Unlock the power of OBD II technology to monitor vehicle systems such as transmission brakes and emissions Learn how to spot potential problems before they become major issues saving you time and money on auto repairs Use freeze frame data to dig deeper into diagnostic results making sure no problem goes unnoticed Make sense

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How To Use Automotive Diagnostic Scanners Tracy Martin,2015-08-01 Scan your own codes to save money fix problems or get the best performance out of your ride Scanning the code to determine why your check engine light has come on is frequently more costly than the repair itself Scanning automotive systems at home can save you money and only requires the ability to plug a phone or tablet into an easily accessible port on the car With the right dock it is possible to perform diagnostic checks in your very own garage From handheld dedicated units to software that turns PCs and portable devices into powerful diagnostic scanners today s auto enthusiasts can access and analyze their vehicle s on board diagnostic systems This is great news and not just for repairs With the right information these scanners can be used as low budget data acquisition systems and dynamometers to maximize your vehicle s performance How to Use Automotive Diagnostic Scanners teaches you how to choose the right scanner for your application and how to use it with a comprehensive list of what each code means Photos and diagrams help you understand OBD I and OBD II systems including CAN and the scanners that read the information they record 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 Car Doctor SREEKUMAR V T,2025-01-16 Car Doctor A Step by Step Guide to Diagnosing Car Engine Problems is the ultimate manual for car owners and enthusiasts who want to take control of their vehicle s health This comprehensive guide empowers you to diagnose understand and resolve common engine issues helping you save time money and the stress of frequent visits to the mechanic Designed to be accessible for beginners while detailed enough for experienced DIYers Car Doctor provides you with the knowledge and confidence to tackle engine problems head on With each chapter dedicated to specific issues such as starting problems strange vibrations overheating power loss and more you ll learn exactly what to look and listen for Troubleshooting guides maintenance tips and detailed explanations of crucial systems like fuel delivery ignition cooling and exhaust allow you to keep your engine running smoothly Additionally you ll find step by step instructions on using essential diagnostic tools reading OBD II codes and performing preventive maintenance to avoid future problems Whether you re facing a mysterious check engine light poor fuel economy or a car that simply won t start Car Doctor is your trusted resource for diagnosing and resolving engine issues with confidence Written in a clear straightforward style it s the guide every car owner needs to keep their vehicle in top shape and on the road OBD-I & OBD-II Greg Branish,2023-06-09 Onboard diagnostics OBD systems

have been an integral part of vehicle design for decades as OBD II became mandatory in 1996 for all cars manufactured in the United States. Almost every aspect of the diagnostics system evolved from emissions requirements that were placed on the automotive industry. Manufacturers responded with increasing complexity in the electronic controls and reporting of errors. Fortunately, some commonization followed in the industry which made the job of a repair technician or do it yourself enthusiast slightly easier when working on these challenging systems. Passing emissions testing has become critically important to manufacturers of high performance parts and installation shops. Both the US Environmental Protection Agency (EPA) and California Air Resources Board (CARB) have assessed massive fines for violations of the Clean Air Act based on information that is available from the vehicle's OBD system. Many states now require vehicles to pass an OBD check to renew the registration, making proper operation even more important to consumers. OBD I OBD II A Complete Guide to Diagnosis Repair Emissions Compliance is an insider's guide to modern original equipment manufacturer (OEM) diagnostics systems. As a former diagnostics and performance calibration engineer, Greg Banish guides you through critical electronic control unit (ECU) functions that ultimately lead to why the check engine light on the dash is lit. Strategies are provided for how to begin looking for a solution when problems are detected. Listing every imaginable repair is impossible, but this book provides a solid foundation from which to work by explaining the electronic control unit (ECU)'s logic in plain English. Practical examples from the author's experience highlight important lessons that will save hours of frustration and confusion. In addition to repair tips, sound advice is given for those looking to modify their vehicles while maintaining the full functionality of the emissions and diagnostics systems. Modern diagnostics systems can be a blessing or a curse depending on your level of understanding. This book helps you harness the power of the diagnostics inside the ECU to improve the ability to find and make the right repair the first time. This book shows that by using commonly available electronic tools, the consumer has the power to access a wealth of information about his or her vehicle. It also helps those who are looking to improve performance do so without compromise to the environment or enforcement agencies. Whether you want to repair the vehicle yourself or simply want to possess an understanding of how these systems work while dealing with service professionals, this is the guide you need.

Automotive Computerized and Electrical Diagnostics Technology Asoro Osasumwen, 2020-06-03. AUTOMOTIVE COMPUTERIZED AND ELECTRICAL DIAGNOSTICS TECHNOLOGY is a book that deals with the technology behind computerized and electrical diagnosis of systems and components in the vehicle. This book provides theories of the operations of the On Board Diagnostic (OBD) protocol, which include the OBD I and OBD II protocols. This book presents a practical approach to automotive diagnostic technology with step-by-step analysis. The book also entails the use of various kinds of diagnostic tools for various diagnostics operations; the terminology involved in the diagnostic procedure; and also the technology behind its operation. The reader is given step-by-step procedures of diagnostics operations which is compatible for all kinds of diagnostic tools, with necessary advice on how to perform the operations. It also touches all kinds of diagnostic tools and

diagnostics operation available in the automotive technology industry This book also cover aspect such as Electronic Control Unit ECU reprogramming and repairs it involves reprogramming of various systems and components in the vehicle Some key topics in this book involves 1 AUTOMOTIVE DIAGNOSTICS TECHNOLOGY 2 THE ON BOARD DIAGNOSTICS OBD I SYSTEM PROTOCOL 3 HOW TO DIAGNOSE USING OBD I PROTOCOL 4 ON BOARD DIAGNOSTIC OBD II SYSTEM PROTOCOL 5 DIAGNOSTIC TOOLS SCANNERS 6 ELM327 7 LIMITATIONS OF ELM327 8 ELECTRONIC CONTROL UNIT ECU AND SENSORS 9 CONTROLLER AREA NETWORK CAN 10 CHECK ENGINE LIGHT 11 CODE READERS VERSUS DIAGNOSTIC SCANNERS 12 CURRENT AND STORED FAULTS CODES 13 SOFTWARE APPLICATIONS FOR DIAGNOSTICS TOOLS 14 CRACKED SOFTWARE VERSION AND CLONED SCAN TOOLS 15 IMMOBILIZERS 16 VIN VEHICLE IDENTIFICATION NUMBER 17 SCN SOFTWARE CALIBRATION NUMBER coding 18 MULTIPLEXING 19 WARNING LIGHTS 20 SENSORS AND APPLICATIONS 21 APPLICATION OF SENSORS IN BRAKING AND STABILITY SYSTEM OF VEHICLES 22 AUTOMOBILE DIAGNOSTIC TECHNOLOGY IN AFRICA TAKING NIGERIA AS A CASE STUDY 23 IMPORTANCE OF EVENT HISTORY RECORDS IN AUTO DIAGNOSTICS TECHNOLOGY 24 IMPORTANCE OF REGULAR DIAGNOSTICS OPERATION 25 MECHATRONICS IN AUTOMOBILE DIAGNOSTICS TECHNOLOGY 26 ELECTRIC VEHICLES 27 CLASSIFICATION AND FEATURES OF DIAGNOSTIC TOOLS SCANNERS 28 GENERIC FAULT CODES 29 CHOOSING A DIAGNOSTIC TOOL SCANNER 30 HOW TO USE A DIAGNOSTIC TOOL SOFTWARE 31 STEP BY STEP DIAGNOSTIC PROCEDURE 32 REPROGRAMMING OF SYSTEMS AND COMPONENTS IN THE VEHICLE 33 STEPS TO REPROGRAM THE AIRBAG SYSTEM 34 IMMOBILIZER AND ECU REPROGRAMMING 35 PIN GENERATION FOR REPROGRAMMING 36 HOW TO REPROGRAM KEY TO THE IMMOBILIZER AND ECU 37 HOW TO GENERATE PASSCODE OR PIN FROM THE MANUFACTURER OR SERVICE PROVIDER 38 HOW DOES THE IMMOBILIZER SYSTEM WORKS 39 HOW TO DETECT AND DEAL WITH FAULTS IN THE IMMOBILIZER SYSTEM 40 VARIOUS FAULTS IN THE IMMOBILIZER SYSTEM AND SOLUTION 41 LIMITATIONS OF SOME DIAGNOSTIC TOOLS ON SCANNING AND REPROGRAMMING THE IMMOBILIZER SYSTEM 42 HOW TO REPROGRAM THE IMMOBILIZER SYSTEM 43 HOW TO KNOW AN IMMOBILIZER UNIT IS FAULTY 44 HOW TO KNOW A FAULTY ECU 45 DIAGNOSTIC TOOL SOFTWARE FOR ECU IMMOBILIZER REPROGRAMMING 46 ELECTRICAL ERASABLE PROGRAMMABLE READ ONLY MEMORY EEPROM 47 ECU MAPPING 48 ECU TUNING 49 POWERTRAIN CONTROL MODULE PCM 50 GENERIC DIAGNOSTIC TROUBLE CODES DTC 51 GENERIC DIAGNOSTIC TROUBLE CODES DTC WITH THEIR DESCRIPTION **Vehicle OBD II Compliance Test Cases** Vehicle E E System Diagnostic Standards

Committee, 2012 The main purpose of this Recommended Practice is to verify that vehicles are capable of communicating a minimum subset of information in accordance with the diagnostic test services specified in SAE J1979 E E Diagnostic Test Modes or the equivalent document ISO 15031 5 Communication Between Vehicle and External Equipment for Emissions Related Diagnostics Part 5 Emissions related diagnostic services Any software meeting these specifications will utilize the

vehicle interface that is defined in SAE J2534 Recommended Practice for Pass Thru Vehicle Programming Corrections have been made to this document in order to keep pace with and agree with changes made to the California Air Resources Board legislation Title 13 California Code Regulations Section 1968.2 Malfunction and Diagnostic System Requirements for 2004 and Subsequent Model Year Passenger Cars Light Duty Trucks and Medium Duty Vehicles and Engines OBD II particularly with regards to permanent DTCs and new diesel engine requirements Many functional enhancements have also been included in this document

OBD II R. Bosch,1999 *OBD Communications Compliance Test Cases for Heavy Duty Components and Vehicles* Truck Bus Control and Communications Network Committee,2012 The purpose of this Recommended Practice is to verify that vehicles and or components are capable of communicating a required set of information in accordance with the diagnostic test messages specified in SAE J1939 73 to fulfill the off board diagnostic tool interface requirements contained in the government regulations cited below This document describes the tests test methods and results for verifying diagnostics communication from an off board diagnostic tool i e scan tool to a vehicle and or component SAE members have generated this document to serve as a guide for testing vehicles for compliance with ARB and other requirements for emissions related on board diagnostic OBD functions for heavy duty engines used in medium and heavy duty vehicles The development of HD OBD regulations by US EPA and California's Air Resources Board ARB require that diagnostic message services are exercised to evaluate diagnostic communication standardization requirements on production vehicles The December 2008 publication of J1939 84 described a test process for EURO IV and EURO V engine emissions and diagnostics regulations The December 2010 version of the document added a test plan and procedures for ARB and US EPA HD OBD requirements with emphasis on 13 CCR 1971.11.1 Verification of Standardized Requirements The user should reference the summary provided by SAE J1939 73 Table 1 and Table 2 for OBD compliance support This version provides for the observation of the MIL_On to MIL_Off transition for a single trip CCM fault and reformats tables in section 6 to improve ease of use

OBD II Scan Tool Vehicle E E System Diagnostic Standards Committee,1998 This SAE Recommended Practice defines the requirements of OBD II scan tools i e test equipment that will interface with vehicle modules in support of the OBD II diagnostic requirements It covers the required capabilities of and conformance criteria for OBD II scan tools

OBD Traceability Matrix Truck Bus Control and Communications Network Committee,2022 This Information Report is intended to supplement the J1939 documents by offering the application of SAE RP J1939 to OBD data communications in a form that can be sorted and searched for easier use It is NOT intended as a substitute for the actual regulations and standards documents and any discrepancies between this document and the published documents must be resolved in favor of the published documents This spreadsheet outlines elements in ARB OBD II and HD OBD requirements and identifies which J1939 SPNs and messages may be used to satisfy the datastream readiness in use ratio and test results requirements Both the HD OBD regulation and the California OBD II were updated The official publication date for both the

OBD II regulation and HD OBD regulation updates is October 3 2019

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