

## ***Download Ebook Isuzu Engine Diagnostic Codes Free Download Pdf***

***OBD-II & Electronic Engine Management Systems Diagnostic Trouble Codes, Engine Management Systems Automotive Diagnostic Fault Codes Techbook Autodata Diagnostic Trouble Codes Chilton's Engine Code Manual Automotive Diagnostic Systems Automotive Computer Controlled Systems OBD2 Automotive Code Encyclopedia and Cross Reference Guide Autodata Diagnostic Trouble Codes Popular Mechanics Automotive Engine Diagnostics, Repairs and Management Technology How To Use Automotive Diagnostic Scanners Code of Federal Regulations Code of Federal Regulations, Title 40, Protection of Environment, Pt. 1000-End, Revised as of July 1 2011 Automotive Computer Controlled Systems Popular Mechanics Mazda MX-5 Miata Fundamentals of Medium/Heavy Duty Diesel Engines Smart Products, Smarter Services Today's Technician: Automotive Electricity and Electronics, Classroom and Shop Manual Pack Automotive Engine Performance Today's Technician: Automotive Brake Systems, Classroom and Shop Manual Prepack How To Use Automotive Diagnostic Scanners Popular Mechanics The Code of Federal Regulations of the United States of America Code of Federal Regulations, Title 40, Protection of Environment, Pt. 1000-End, Revised As of July 1 2012 Diesel Performance Handbook for Pickups and SUVs Today's Technician: Automotive Heating & Air Conditioning Classroom Manual and Shop Manual Today's Technician: Automotive Electricity and Electronics How to Tune and Modify Engine Management Systems Popular Mechanics Engine Management Systems Code of Federal Regulations 40 Protection of Environment Federal Register Automotive Computerized and Electrical Diagnostics Technology Popular Mechanics Heavy Vehicle Event Data Recorder Interpretation Diagnostic Code Reader for All Vehicles LOG Heavy Duty Truck Systems OBDII Diagnostic***

***Popular Mechanics Jan 08 2021 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.***

***Heavy Duty Truck Systems Sep 23 2019 Comprehensive, technically accurate, and up-to-date, HEAVY DUTY TRUCK SYSTEMS, 6E is the best-selling introduction to servicing medium- and heavy-duty trucks. Now in striking full color, the sixth edition helps users develop a strong foundation in electricity and electronics, power train, steering and suspension, brakes, and accessories systems and presents introductory material on servicing, safety, tools, and preventive maintenance. This edition is updated with full coverage of ASE Education Foundation competencies and the latest technology, including 2014 J1939 updates and access tools, Wingman radar, CMS, and Allison TC10 transmissions (introduced in 2013). The book's proven pedagogy is enhanced by extensive sets of review questions and over 1700 full-color photographs and pieces of art that help readers visualize key concepts and servicing procedures. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.***

***Automotive Engine Performance Apr 10 2021 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 tomorrow.***

***OBD-II & Electronic Engine Management Systems Dec 31 2022 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***

***Today's Technician: Automotive Heating & Air Conditioning Classroom Manual and Shop Manual Sep 03 2020 Understand and master the principles, components, diagnosis and repair of modern automotive heating and air conditioning systems with TODAY'S TECHNICIAN: AUTOMOTIVE HEATING & AIR CONDITIONING CLASSROOM MANUAL AND SHOP MANUAL, 7th edition. This integrated, two-book set covers theory and hands-on content in separate Classroom and Shop Manuals, enabling you to learn fundamental climate control theory -- including basic physics related to heat transfer -- before applying your knowledge through practical, hands-on shop work. Cross-references in each manual link related material, making it easy to connect classroom learning to lab and shop activity. Updated to reflect the latest trends, technology and relevant ASE Education Foundation standards, the 7th edition includes new material on refrigerant R-1234yf (HFO-1234yf) as well as a vibrant full-color design that's engaging and reader-friendly. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.***

**Today's Technician: Automotive Electricity and Electronics, Classroom and Shop Manual Pack May 12 2021 Ideal for aspiring and active automotive professionals, TODAY'S TECHNICIAN: AUTOMOTIVE ELECTRICITY & ELECTRONICS, Sixth Edition, equips readers to confidently understand, diagnose, and repair electrical and electronic systems in today's automobiles. Using a unique two-volume approach to optimize learning in both the classroom and the auto shop, the first volume (Classroom Manual) details the theory and application of electricity, electronics, and circuitry in modern**

**automobiles, while the second (Shop Manual) covers real-world symptoms, diagnostics, and repair information. Known for its comprehensive coverage, accurate and up-to-date technical information, and hundreds of detailed illustrations and vibrant photographs, the text is an ideal resource to prepare for success as an automotive technician or pursue ASE certification. Now updated with extensive information on new and emerging technology and techniques—including audio and infotainment systems, LED and adaptive lighting, hybrid and electric vehicles, and accessory systems—the Sixth Edition also aligns with the NATEF 2012 accreditation model, including job sheets correlated to specific AST and MAST tasks. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

**Mazda MX-5 Miata Aug 15 2021 With its arrival in the United States in 1990, the Mazda Miata inspired the return of the open roadster. Though other makes and models followed, the Miata remains the convertible sports car of choice for budget-conscious enthusiasts, as popular in autocross and amateur racing circles as it is among pleasure drivers. This book shows readers how to make the most of any Miata: what to look for in a used model and how to perform common maintenance and repairs, as well as over 15 projects to improve performance and appearance. Focusing on the engine, wheels and tires, suspension, body kits, interior, and more, the projects include full details on required parts, cost, time, tools, and skill necessary for completion. With easy-to-follow directions and clear illustrations, this handy guide is a virtual road map for taking the Miata the full distance.**

**Automotive Computerized and Electrical Diagnostics Technology Jan 26 2020 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 protocol. This book is present a practical approach to automotive diagnostic technology, with step by step analysis. The book also entails the use of various kind of diagnostic**

*tools for various diagnostics operations, the terminology involves in the diagnostic procedure and also the technology behinds it operation. The render step by step procedures of diagnostics operations which is compatible for all kind of diagnostic tool, with necessary advices on how to perform the operations. It also touches all kind 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 TURNING.49. POWERTRAIN CONTROL MODULE (PCM).50. GENERIC DIAGNOSTIC TROUBLE CODES (DTC).51. GENERIC DIAGNOSTIC TROUBLE CODES (DTC) WITH THEIR DESCRIPTION.**

***How To Use Automotive Diagnostic Scanners Feb 06 2021 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!**

**Automotive Diagnostic Fault Codes Techbook Oct 29 2022**

**Diagnostic Trouble Codes, Engine Management Systems Nov 29 2022**

**Smart Products, Smarter Services Jun 12 2021** We are surrounded by products that have minds of their own. Computing power, in the form of microcontrollers, microprocessors, sensors, and data storage chips, has become so cheap that manufacturers are building connectivity and embedded intelligence into all types of consumer goods. These 'smart products' are fundamentally changing both the competitive landscape for business and the daily lives of consumers. This book analyzes the evolution of smart products to help managers understand the impact of embedded product intelligence on corporate strategy, consumer value, and industry competition. It describes four different ecosystem strategies for designing and launching smart products: the control-focused Hegemon, the standards-focused Federator, the high growth and brand-focused Charismatic Leader, and the disruptive industry Transformer. This ecosystem model is then applied to smart products in the automotive, wireless, energy, residential, and health industries. The book concludes with recommendations for successfully managing smart products and services.

**Autodata Diagnostic Trouble Codes Sep 27 2022**

**Fundamentals of Medium/Heavy Duty Diesel Engines Jul 14 2021**

**"Fundamentals of Medium/Heavy Duty Diesel Engines, Second Edition offers comprehensive coverage of every ASE task with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. This edition describes safe and effective diagnostic, repair, and maintenance procedures for today's medium and heavy vehicle diesel engines"--**

**Engine Management Systems Apr 30 2020**

**Code of Federal Regulations, Title 40, Protection of Environment, Pt. 1000-End, Revised As of July 1 2012 Nov 05 2020**

**Code of Federal Regulations Dec 19 2021** Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

**Heavy Vehicle Event Data Recorder Interpretation Nov 25 2019** The last ten years have seen explosive growth in the technology available

**to the collision analyst, changing the way reconstruction is practiced in fundamental ways. The greatest technological advances for the crash reconstruction community have come in the realms of photogrammetry and digital media analysis. The widespread use of scanning technology has facilitated the implementation of powerful new tools to digitize forensic data, create 3D models and visualize and analyze crash vehicles and environments. The introduction of unmanned aerial systems and standardization of crash data recorders to the crash reconstruction community have enhanced the ability of a crash analyst to visualize and model the components of a crash reconstruction. Because of the technological changes occurring in the industry, many SAE papers have been written to address the validation and use of new tools for collision reconstruction. Collision Reconstruction Methodologies Volumes 1-12 bring together seminal SAE technical papers surrounding advancements in the crash reconstruction field. Topics featured in the series include: • Night Vision Study and Photogrammetry • Vehicle Event Data Recorders • Motorcycle, Heavy Vehicle, Bicycle and Pedestrian Accident Reconstruction The goal is to provide the latest technologies and methodologies being introduced into collision reconstruction - appealing to crash analysts, consultants and safety engineers alike.**

**Diesel Performance Handbook for Pickups and SUVs Oct 05 2020**  
**With gas prices rising (always), alternative fuels look like an answer. Hybrids sound good, but what about the batteries? And fuel cells still seem to be pie-in-the-sky. Which leaves us with good old diesel. This book shows how to get the most out of the diesel engine, at a time when its fuel efficiency is almost as important as its massive torque. Although most diesel truck owners probably aren't planning to break any land speed records, advances in diesel technology, such as ultra-low-sulfur fuel, high-pressure common-rail fuel injection, electronic fuel management and variable geometry turbocharging, are bringing diesel engines into the performance arena. And this book is the ideal guide for making your diesel engine perform--adapting intake and exhaust, torque converters, engine electronics, turbochargers, and much more.**

**The Code of Federal Regulations of the United States of America Dec 07 2020 The Code of Federal Regulations is the codification of the**



**general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.**

***Automotive Computer Controlled Systems Oct 17 2021 '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.***

***Federal Register Feb 27 2020***

***Chilton's Engine Code Manual Aug 27 2022 The complete manual for understanding engine codes, troubleshooting, basic maintenance and more.***

***Automotive Computer Controlled Systems Jun 24 2022 This text is designed to explain the fundamental principles of engineering that lie behind the operation of vehicle electronic systems and aims to bring the reader up to the standard required for NVQ level 3.***

***Code of Federal Regulations, Title 40, Protection of Environment, Pt. 1000-End, Revised as of July 1 2011 Nov 17 2021***

***Popular Mechanics Dec 27 2019 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 May 31 2020 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.***

***Code of Federal Regulations 40 Protection of Environment Mar 29 2020 The Code of Federal Regulations is a codification of the general and permanent rules published in the Federal Register by the Executive departments and agencies of the United States Federal Government.***

***Today's Technician: Automotive Brake Systems, Classroom and Shop Manual Prepack Mar 10 2021 The 6th Edition of TODAY'S TECHNICIAN: AUTOMOTIVE BRAKE SYSTEMS is a comprehensive text that equips readers to confidently understand, diagnose, and repair today's brake systems. Using a unique two-volume approach, the first volume (Classroom Manual) details the theory and application of the total brake system, subsystem, and components, while the second (Shop Manual) covers real-world symptoms, diagnostics, and repair information. Known for its comprehensive coverage, accurate and up-to-date details, and abundant illustrations, the text is an ideal resource to prepare for success as an automotive technician or pursue ASE certification. Now updated with extensive information on new and emerging technology and techniques—including hybrid vehicles, brake by wire, and electric brakes—the Sixth Edition also aligns with the NATEF 2012 accreditation model, including job sheets correlated to specific AST and MAST tasks. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.***

***How to Tune and Modify Engine Management Systems Jul 02 2020 Drawing on a wealth of knowledge and experience and a background of more than 1,000 magazine articles on the subject, engine control expert Jeff Hartman explains everything from the basics of engine management to the building of complicated project cars. Hartman has substantially updated the material from his 1993 MBI book Fuel Injection (0-879387-43-2) to address the incredible developments in automotive fuel injection technology from the past decade, including the multitude of import cars that are the subject of so much hot rodding today. Hartman's text is extremely detailed and logically arranged to help readers better understand this complex topic.***

***Automotive Diagnostic Systems Jul 26 2022 Keith McCord recounts the history of automotive onboard diagnostic systems and creation of***

***the rudimentary OBD I systems and the development as well as the evolution of OBD II. Currently, OBD-II (OnBoard Diagnostic II) is the standard of the industry, and this book provides a thorough explanation of this system. It details its main features, capabilities, and characteristics. It shows how to access the port connector on the car, the serial data protocols, and what the serial data means. To understand the diagnostic codes, the numbering system is defined and the table of common DTCs is shown. But most importantly, McCord provides a thorough process for trouble shooting problems, tracing a problem to its root, explaining why DTCs may not lead to the source of the underlying problem, and ultimately resolving the problem.***

***How To Use Automotive Diagnostic Scanners Jan 20 2022 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!***

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***Popular Mechanics Sep 15 2021 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.***

***OBD2 Automotive Code Encyclopedia and Cross Reference Guide  
May 24 2022 "Includes pressure/voltage/current volumes, OBD-2 code definitions & code-setting criteria"--Cover.***

***Autodata Diagnostic Trouble Codes Apr 22 2022***

***Today's Technician: Automotive Electricity and Electronics Aug 03 2020 Unsurpassed in coverage of the theory and procedures for automotive electricity and electronics, the newest edition of this highly successful classroom and shop manual is guaranteed to instill both the knowledge and skills critical to success in the industry.***

***TODAY'S TECHNICIAN: AUTOMOTIVE ELECTRICITY & ELECTRONICS, 5TH EDITION has been updated to offer a more streamlined presentation of diagnostic and service procedures, as well as additional attention to data bus networks, including the CAN, LIN, ISO, and other common systems. The book also features expanded coverage of vehicle accessory systems, including the new multi-stage air bag systems, weight classification systems, side air bag systems, and laser-guided cruise control systems. An all-new chapter on hybrid and high voltage systems rounds out the up-to-date content, ensuring readers gain a strong working knowledge that of the latest industry trends and technologies. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.***

***Automotive Engine Diagnostics, Repairs and Management Technology Feb 18 2022 AUTOMOTIVE ENGINE DIAGNOSTICS, REPAIRS AND MANAGEMENT TECHNOLOGY: The Automobile Engine is the power house of the vehicle; it is responsible for supplying power to every system and component in the vehicle. Proper understanding of its operations is necessary for every mechanic and users. The diagnosis of automobile engines related fault is one of the most difficult and complex job to the automobile mechanic or technician, many make wrong guesses or mistakes. This study is to help eliminate such difficulty faced by auto techs and mechanics.CONTENT:1.AUTOMOBILE ENGINE: DIAGNOSTICS,***

**MANAGEMENT AND REPAIR TECHNOLOGY.2.A CONVERSATION BETWEEN THE AUTO CONSULTANT AND A MECHANIC.3.SOME CLASSIFICATIONS OF AUTOMOBILE ENGINES.4.COMPONENTS AND SYSTEMS ASSOCIATED WITH THE ENGINE.5.COMPONENTS AND SYSTEMS THAT CONTROLS ENGINE PERFORMANCE.6.IGNITION SYSTEM.7.FUEL SYSTEM.8.ECU.9.COOLING SYSTEM.10.EXHAUST SYSTEM.11.ENGINE ELECTRICALS.12.CRANKING OF THE ENGINE.13.WORKING PRINCIPLE OF THE ENGINE.14.LUBRICATION. 15.THE POWERTRAIN.16.TRANSMISSION.17.TYPE OF TRANSMISSION. 18.FAULTS ASSOCIATED WITH THE TRANSMISSION SYSTEM.19.THE ECU AND TRANSMISSION.20.AUTOMOTIVE COMPUTERIZED AND ELECTRICAL DIAGNOSTICS.21.TIPS FOR DIAGNOSING ENGINE RELATED PROBLEMS.22.HOW TO PROLONG YOUR CAR ENGINE LIFE. 23.CHECK ENGINE LIGHT.24.CODE READERS AND DIAGNOSTIC SCANNERS.25.WARNING LIGHTS.26.AUTOMOBILE DIAGNOSTIC TECHNOLOGY IN AFRICA. 27.IMPORTANCE OF EVENT HISTORY IN AUTOMOBILE DIAGNOSTICS TECHNOLOGY. 28.IMPORTANCE OF REGULAR DIAGNOSTICS OPERATION.29.MECHATRONICS IN AUTOMOBILE DIAGNOSTICS TECHNOLOGY.30.ENGINE COMPUTERISED DIAGNOSTICS.31.HOW TO USE A DIAGNOSTIC TOOL/SOFTWARE.32.STEP BY STEP DIAGNOSTIC PROCEDURE.33.POWERTRAIN CONTROL MODULE (PCM).34.GENERIC DIAGNOSTIC TROUBLE CODES (DTC).35.QUIZ.36.GENERIC DIAGNOSTIC TROUBLE CODE (DTC) AND DESCRIPTIONS.**

***OBDII Diagnostic Aug 22 2019 The principles of tuning OBDII vehicles are outlined for do-it-yourself novices and repair professional alike in this introduction to automotive electronic diagnostics. Beginning with basic automotive concepts of engine operation and the powertrain control module, topics span the history of OBDII, anatomy of the scan tool and its components, and the language and protocols that the OBDII uses to communicate faults. Diagnostic tips and detailed fault code descriptions for major domestic automobile manufacturers including General Motors, Ford, and Daimler-Chrysler accompany tips for Asian and European vehicles. The straightforward prose and cooking recipes listed at the end contribute to this comprehensive primer to electronic diagnostics.***

***Diagnostic Code Reader for All Vehicles LOG Oct 24 2019 diagnostic code reader for all vehicles log***

**[oraclechain.io](http://oraclechain.io)**