

9. Fault codes

9.1. Fault codes diagnosis version 209

The background colour  is used to indicate the newly supported or changed fault codes since diagnosis version 207. The background colour  indicates PLD/MR2 fault codes which are received from the PLD/MR2 control unit and are broadcasted by the ADM over J1939.

ADM3 fault code (J1939) SPN / FMI	ADM3 fault code (K-line)	Fault location	Fault description	Remedial action	Pin
51 / 0	-	Engine Throttle Position	Above Measuring Range		LSCAN-MR
51 / 1	-	Engine Throttle Position	Below Measuring Range		LSCAN-MR
51 / 2	-	Engine Throttle Position	Performance, Measuring Range Not Plausible		LSCAN-MR
51 / 3	-	Engine Throttle Position Sensor	Circuit High		LSCAN-MR
51 / 4	-	Engine Throttle Position Sensor	Circuit Low		LSCAN-MR
51 / 7	-	Engine Throttle Position	Defective		LSCAN-MR
51 / 13	-	Engine Throttle Position	Position Not Learned		LSCAN-MR
69 / 9	17309	Two Speed Axle Switch	Abnormal Update Rate		CAN-J1939
69 / 19	17319	Two Speed Axle Switch	Received Network Data in Error		CAN-J1939
70 / 9	17409	Parking Brake Switch	Abnormal Update Rate		CAN-J1939
70 / 19	17419	Parking Brake Switch	Received Network Data in Error		CAN-J1939
84 / 3	10103	Vehicle Speed (C3 or J1939)	Open Circuit	- Check wiring	15/03
84 / 9	10109	Vehicle Speed (C3 or J1939)	Abnormal Update Rate		CAN-J1939
84 / 14	10114	Vehicle Speed (C3 or J1939)	Signal Not Plausible	- Check wiring	15/03
84 / 19	10119	Vehicle Speed (C3 or J1939)	Received Network Data in Error		CAN-J1939
91 / 0	10200	Accelerator Pedal (AFPS or J1939)	Not Adjusted	- Restart accelerator pedal adjustment routine - Check wiring - Limit value idle operation position: 5,0 V - Limit value kickdown position: 4,9 V	21/11
91 / 3	10203	Accelerator Pedal (AFPS or J1939)	Voltage too High	- Pedal unit exchange, if defective - check wiring - Limit value idle operation position: 5,0 V - Limit value kickdown position: 4,9 V	21/11
91 / 4	10204	Accelerator Pedal (AFPS or J1939)	Voltage too Low	- Pedal unit exchange, if defective - Check wiring - Limit value idle operation position: 5,0 V - Limit value kickdown position: 4,9 V	21/11
91 / 9	10209	Accelerator Pedal (AFPS or J1939)	Abnormal Update Rate		CAN-J1939
91 / 19	10219	Accelerator Pedal (AFPS or J1939)	Received Network Data in Error		CAN-J1939

Mercedes Engine Fault Codes

Ying Liu



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Heavy Vehicle Event Data Recorder Interpretation Christopher D Armstrong,2018-11-02 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 *Engine Code Manual* Chilton Automotive Books,The Nichols/Chilton,Chilton,1995 The complete manual for understanding engine codes troubleshooting basic maintenance and more *Fundamentals of Medium/Heavy Duty Diesel Engines* Gus Wright,2021-09-30 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

Automotive Accident Reconstruction Donald E. Struble,John D. Struble,2020-01-24 This fully updated edition presents practices and principles applicable for the reconstruction of automobile and commercial truck crashes Like the First Edition it starts at the very beginning with fundamental principles information sources and data gathering and inspection techniques for accident scenes and vehicles It goes on to show how to analyze photographs and crash test data The book presents tire fundamentals and shows how to use them in spreadsheet based reverse trajectory analysis Such methods are also applied to reconstructing rollover crashes Impacts with narrow fixed objects are discussed Impact mechanics structural dynamics and conservation based reconstruction methods are presented The book contains a comprehensive treatment of crush energy and how to develop structural stiffness properties from crash test data Computer simulations are reviewed and discussed Extensively revised this edition contains new material on side pole impacts It has entirely new chapters devoted to low speed impacts downloading electronic data from vehicles deriving structural stiffness in side impacts and incorporating electronic data into accident reconstructions *Mercedes-Benz E-class Owner's Bible, 1986-1995* Bentley Publishers,2002 This book is

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Diesel Engine and Fuel System Repair John F. Dagel, Robert N. Brady, 1998 One of the only texts of its kind to devote chapters to the intricacies of electrical equipment in diesel engine and fuel system repair this cutting edge manual incorporates the latest in diesel engine technology giving students a solid introduction to the technology operation and overhaul of heavy duty diesel engines and their respective fuel and electronics systems

Popular Mechanics ,1986-05 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

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The Oil Engine Manual ,1950

Bosch Fuel Injection and Engine Management C Probst, 1989-11-27 This Bosch Bible fully explains the theory troubleshooting and service of all Bosch systems from D Jetronic through the latest Motronics Includes high performance tuning secrets and information on the newest KE and LH Motronic systems not available from any other source

Autocar ,2006

Road and Track ,2003

Diesel Engine Manual Perry O. Black, William E. Scahill, 1983

Car and Driver ,2003

Motor Industry Magazine ,2007-02

Motor Industry Management ,2003-02

Reports of Cases Determined in the Courts of Appeal of the State of California ,2004

Gas Engine Manual Edwin P. Anderson, Ted Pipe, 1977 The purpose of this book is to serve as a helpful guide to mechanics and students whose work deals with the operation maintenance and repairs of modern gas engines of various types and sizes The book explains the operating principles of various types of gas engines It then goes on to illustrate the function of the various engine parts and necessary accessories such as carburetors fuel ignition methods cooling and lubricating systems etc It also deals with troubleshooting and modern service operations including engine tune up and emission control procedures The various ignition system items that affect engine performance are fully listed and illustrated Foreword

Catalog of Aeronautical and Allied Technical Documents United States. Army Air Forces. Matériel Command, 1946

Motor Sport William Boddy, 1970

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