

# Sae J2012 Diagnostic Trouble Code Definitions

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### Sae J2012 Diagnostic Trouble Code

#### **By Authority Of - Public.Resource.Org**

By the Authority Vested By Part 5 of the United States Code § 552(a) and Part 1 of the Code of Regulations § 51 the attached document has been duly INCORPORATED BY REFERENCE and shall be considered legally binding upon all citizens and residents of the United States of America

#### **SURFACE REV. J2012 VEHICLE RECOMMENDED PRACTICE**

This document supersedes SAE J2012 APR2002, and is technically equivalent to ISO 15031-6:2005 with the exceptions described in Section 12 This document is intended to define the standardized Diagnostic Trouble Codes (DTC) that On-Board Diagnostic (OBD) systems in vehicles are required to report when malfunctions are detected

#### **Please note: The Department has made every effort to ...**

“Diagnostic Trouble Code” or These codes are defined by SAE J2012 Diagnostic Trouble Code This is a courtesy copy of this rule All of the Department’s rules are compiled in Title 7 of the New Jersey Administrative Code 5 Definitions, (MAR92) Copies of SAE J2012 ...

#### **Please note: The Department has made every effort to ...**

“Diagnostic Trouble Code” or “DTC” means an alphanumeric code stored in the on board diagnostic system of a motor vehicle, which generally indicates the malfunction of a system or component These codes are defined by SAE J2012 Diagnostic Trouble Code Definitions, (MAR92) Copies of SAE J2012 may be obtained from the Society of Automotive

#### **400 Commonwealth Dr. Warrendale, PA ... - SAE International**

• Vehicle E E System Diagnostic Standards Committee » J1699-2 OBD II Related SAE Specification Verification Test » J1978 OBD II Scan Tool Task Force » • J3005 Guidance for Remote OBD Task Force » • J1930 Electrical Electronic Systems Diagnostics Task Force » J2012 Diagnostic Trouble Code Task Force • Data Link Connector Security

**Provläsningsexemplar / Preview INTERNATIONAL ISO ...**

This part of ISO 15031 is based on SAE J2012: MAR99 (Recommended Practice for Diagnostic Trouble Code Definitions) ISO 15031-1 provides an introduction to the series of International Standards Most automobile manufacturers equip at least a portion of their product line with some on-board diagnostic (OBD) capability

**Diagnostic Trouble Codes (SAE-DTC)**

Diagnostic Trouble Codes (SAE-DTC) Trouble codes are composed as shown below Standard codes begins with P0xxx and manufacturer specific codes begins with P1xxx, P2xxx or P3xxx "P" stands for "Powertrain" while "C" is for "Chassis", "B" for "Body" and "U" for "Network" related trouble codes Here are the standard SAE J2012 codes listed

**AUTOMOTIVE PROTOCOLS STANDARDS**

and products to meet SAE standards It is frequently revised to keep up with changes in technology J2012 - Diagnostic Trouble Code Definitions Defines and standardizes the OBD II alphanumeric Diagnostic Trouble Code numbering system In April 2002 it was changed to accomodate ISO 15031-6 J2186 - E/E Data Link Security

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This part of ISO 15031 is based on SAE J2012 (Diagnostic Trouble Code Definitions) This International Standard includes the communication between the vehicle's On-Board Diagnostic (OBD) systems and test equipment implemented across vehicles within the scope of the legislated

**SECTION 5—DIAGNOSTIC TROUBLE CODES (DTC)**

Diagnostic Trouble Codes (DTCs) are logged in a list in TCM memory The DTCs contained in the list have information recorded as shown in Table 5-1 (DTC example) The TCM is capable of displaying all historical and active DTCs The following paragraphs define the different parts of the DTC list A DTC

**UPDATED INFORMATIVE DIGEST**

SAE J2012 "Diagnostic Trouble Code Definitions," March 2013, section 19682(g)(16); 12 SAE J2012-DA "Digital Annex of Diagnostic Trouble Code Definitions and Failure Type Byte Definitions," January 2013, section 19682(g)(161); 13 SAE J1939 "Serial Control and ...

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SAE J2012-DA: this digital annex contains all standardized data items such as DTC definitions and failure type byte (FTB) definitions ISO 27145-2 WWH-OBD common data dictionary SAE J1979-DA digital annex of E/E diagnostic test modes SAE J2012-DA digital annex of diagnostic trouble code definitions SAE J1930-DA digital annex of electrical

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SAE 11979 "E/E Diagnostic Test Modes," February 2012 SAE J 1979-DA "Digital Annex of E/E Diagnostic Test Modes", October 2011 SAE J2012-DA "Digital Annex of Diagnostic Trouble Code Definitions and Failure Type Byte Definitions", July 2010 SAE J2403 "Medium/Heavy-Duty E/E Systems Diagnosis Nomenclature," February 2011 SAE J1 939 consisting of:

**Road vehicles — Communication between vehicle and ...**

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**INTERNATIONAL ISO STANDARD 15031-6**

INTERNATIONAL STANDARD ISO 15031-6 Second edition 2010-08-15 Road vehicles — Communication between vehicle and external equipment for emissions-related diagnostics — Part 6: Diagnostic trouble code definitions Véhicules routiers — Communications entre un véhicule et un équipement externe concernant le diagnostic relatif aux émissions —

### **Just about everythingeverything.. - sae.org**

J2012 Diagnostic Trouble Code Definitions J1979 E/E Diagnostic Test Modes J1930 Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations, and Acronyms - Equivalent to ISO/TR 15031-2 J1978 OBD II Scan Tool - Equivalent to ISO/DIS 15031-4: December 14, 2001 J2819 TP20 Vehicle Diagnostic Protocol J1699/2 OBD II Related SAE

### **PDA-Dyno™ and OBD II Scan Tool Operating Manual**

All generic Diagnostic Trouble Codes are listed in Appendix A: Diagnostic Trouble Codes (SAE J2012) The scan tool connects to the vehicle OBD II connector Once connected, the scan tool communicates with the vehicle's computer to obtain diagnostic information, such as a Diagnostic Trouble Code

### **SURFACE REV. VEHICLE APR2002 RECOMMENDED PRACTICE**

SAE J2012 Revised APR2002-4-1 Scope 11 Purpose—This SAE Recommended Practice supersedes SAE J2012 MAR1999, and is technically equivalent to ISO/DIS 15031-6:April 30, 2002 This document is intended to define the standardized Diagnostic Trouble Codes (DTC) that On-Board

### **CP9125 OBD II PocketScan™ Code Reader**

Diagnostic Trouble Codes (DTCs) This section contains the J2012 Diagnostic Trouble Codes (DTCs) as defined by the Society of Automotive Engineers (SAE) Diagnostic Trouble Codes (DTCs) are recommendations not a requirement Manufacturers may not follow these, but most do Check vehicle's service manual for DTC meaning if the code(s)

### **OBD1000**

diagnostic trouble code may return immediately or may return after vehicle has been driven NOTE: Pressing will read diagnostic trouble codes and data and holding will erase results again Diagnostic Trouble Codes This section contains the J2012 Diagnostic Trouble Codes (DTCs) as defined by the Society of Automotive Engineers (SAE)