

EOBD trouble code table

same for OBD II

Trouble code	Fault location	Probable cause
P0166	Heated oxygen sensor (HO2S) 3, bank 2 – no activity detected	Wiring, HO2S, ECM
	Oxygen sensor (O2S) 3, bank 2 – no activity detected	Wiring, O2S, ECM
P0167	Heated oxygen sensor (HO2S) 3, bank 2, heater control – circuit malfunction	Wiring, HO2S, ECM
P0170	Fuel trim (FT), bank 1 – malfunction	Intake leak, AIR system, fuel pressure/pump, injector(s), EVAP canister purge valve, HO2S
P0171	System too lean, bank 1	Intake/exhaust leak, AIR system, MAF/VAF sensor, fuel pressure/pump, injector(s), HO2S
P0172	System too rich, bank 1	Intake blocked, EVAP canister purge valve, fuel pressure, EGR system, injector(s), HO2S
P0173	Fuel trim (FT), bank 2 – malfunction	Intake leak, AIR system, fuel pressure/pump, injector(s), EVAP canister purge valve, HO2S
P0174	System too lean, bank 2	Intake/exhaust leak, fuel pressure/pump, injector(s), AIR system, hose connection(s)
P0175	System too rich, bank 2	Intake blocked, EVAP canister purge valve, fuel pressure, EGR system, injector(s), HO2S
P0176	Fuel composition sensor – circuit malfunction	Wiring, fuel composition sensor, ECM
P0177	Fuel composition sensor – range/performance problem	Fuel composition sensor
P0178	Fuel composition sensor – low input	Wiring short to earth, fuel composition sensor, ECM
P0179	Fuel composition sensor – high input	Wiring short to positive, fuel composition sensor, ECM
P0180	Fuel temperature sensor A – circuit malfunction	Wiring, fuel temperature sensor, ECM
P0181	Fuel temperature sensor A range/performance problem	Fuel temperature sensor
P0182	Fuel temperature sensor A – low input	Wiring short to earth, fuel temperature sensor, ECM
P0183	Fuel temperature sensor A – high input	Wiring short to positive, fuel temperature sensor, ECM
P0184	Fuel temperature sensor A – circuit intermittent	Wiring, poor connection, fuel temperature sensor, ECM
P0185	Fuel temperature sensor B – circuit malfunction	Wiring, fuel temperature sensor, ECM
P0186	Fuel temperature sensor B – range/performance problem	Fuel temperature sensor
P0187	Fuel temperature sensor B – low input	Wiring short to earth, fuel temperature sensor, ECM
P0188	Fuel temperature sensor B – high input	Wiring short to positive, fuel temperature sensor, ECM
P0189	Fuel temperature sensor B – circuit intermittent	Wiring, poor connection, fuel temperature sensor, ECM
P0190	Fuel rail pressure (FRP) sensor – circuit malfunction	Wiring, fuel rail pressure sensor, ECM
P0191	Fuel rail pressure (FRP) sensor – range/performance problem	Wiring, FRP sensor
P0192	Fuel rail pressure (FRP) sensor – low input	Wiring short to earth, FRP sensor
P0193	Fuel rail pressure (FRP) sensor – high input	Wiring short to positive, FRP sensor
P0194	Fuel rail pressure (FRP) sensor – circuit intermittent	Wiring, poor connection, FRP sensor
P0195	Engine oil temperature (EOT) sensor – circuit malfunction	Wiring, EOT sensor, ECM
P0196	Engine oil temperature (EOT) sensor – range performance problem	EOT sensor
P0197	Engine oil temperature (EOT) sensor – low input	Wiring short to earth, EOT sensor
P0198	Engine oil temperature (EOT) sensor – high input	Wiring short to positive, EOT sensor
P0199	Engine oil temperature (EOT) sensor – circuit intermittent	Wiring, poor connection, EOT sensor, ECM
P0200	Injector – circuit malfunction	Wiring, injector, ECM
P0201	Injector 1 – circuit malfunction	Wiring, injector, ECM
P0202	Injector 2 – circuit malfunction	Wiring, injector, ECM

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Xiang Xie



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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 **Chilton's CCJ. ,1985 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 **Fundamentals of Medium/Heavy Duty Commercial**

Vehicle Systems Gus Wright, Owen C. Duffy, 2019-07-15 Fundamentals of Medium Heavy Duty Commercial Vehicle Systems Second Edition offers comprehensive coverage of basic concepts and fundamentals building up to advanced instruction on the latest technology coming to market for medium and heavy duty trucks and buses This industry leading Second Edition includes six new chapters that reflect state of the art technological innovations such as distributed electronic control systems energy saving technologies and automated driver assistance systems *Vehicle Electronics to Digital Mobility ,2004*

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applications The text s primary focus is on state of the art electronic fuel injection systems such as those being used by such manufacturers as Caterpillar Cummins Detroit Diesel Volvo and Mack A systematic structured organization helps readers learn step by step beginning with engine systems and working logically through intake exhaust cooling lubrication and fuel injection systems highlighting major changes in today s modern engines

Chilton's Commercial Carrier Journal for Professional Fleet Managers ,1997 **Fleet Owner** ,1996 **Encyclopedia of American Industries** ,1994 *Diesel Equipment Superintendent* ,1970 **Direct Marketing List Source** ,1994-04 **Annual Index/abstracts of SAE Technical Papers** ,1991 *F & S Index United States* ,1997 *F&S Index International Annual* ,1997 *F&S Index United States Annual* ,1997 *Chevrolet Onboard Diagnostics* Automotive Training Group,2009 **Heavy Truck Diagnostic Trouble Codes, Includes Medium Trucks** ,2010 **Heavy Truck Diagnostic Trouble Codes, Includes Medium Trucks** ,2013 **Ford Onboard Diagnostics** Automotive Training Group,2009

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