

2012 - Mazda6 - Engine

DTC TABLE [MZR 2.5]

×: Applicable—: Not applicable

DTC No.	Condition	MIL	Generator warning light	DC	Monitor item	Self test type ^{*1}	Memory function	Page
P0011:00	CMP timing over-advanced	ON	OFF	2	CCM	C, R	×	(See DTC P0011:00 [MZR 2.5] .)
P0012:00	CMP timing over-retarded	ON	OFF	2	CCM	C, R	×	(See DTC P0012:00 [MZR 2.5] .)
P0016:00 ^{*6}	CKP-CMP correlation	ON	OFF	2	CCM	C	×	(See DTC P0016:00 [MZR 2.5] .)
P0030:00	A/F sensor heater control circuit problem	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0030:00 [MZR 2.5] .)
P0031:00	A/F sensor heater control circuit low input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0031:00 [MZR 2.5] .)
P0032:00	A/F sensor heater control circuit high input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0032:00 [MZR 2.5] .)
P0037:00	HO2S heater control circuit low input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0037:00 [MZR 2.5] .)
P0038:00	HO2S heater control circuit high input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0038:00 [MZR 2.5] .)
P0053:00	A/F sensor heater resistance problem	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0053:00 [MZR 2.5] .)

P0054:00	HO2S heater resistance problem	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0054:00 [MZR 2.5].)
P0069:00	Manifold absolute pressure/atmospheric pressure correlation	ON	OFF	2	CCM	C	×	(See DTC P0069:00 [MZR 2.5].)
P0101:00	MAF sensor circuit range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0101:00 [MZR 2.5].)
P0102:00	MAF sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0102:00 [MZR 2.5].)
P0103:00	MAF sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0103:00 [MZR 2.5].)
P0107:00	MAP sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0107:00 [MZR 2.5].)
P0108:00	MAP sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0108:00 [MZR 2.5].)
P0111:00	IAT sensor circuit range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0111:00 [MZR 2.5].)
P0112:00	IAT sensor circuit low input	ON	ON	1	CCM	C, O, R	×	(See DTC P0112:00 [MZR 2.5].)
P0113:00	IAT sensor circuit high input	ON	ON	1	CCM	C, O, R	×	(See DTC P0113:00 [MZR 2.5].)
P0116:00*6	ECT sensor circuit range/performance problem	ON	OFF	1	Engine cooling system	C	×	(See DTC P0116:00 [MZR 2.5].)
P0117:00	ECT sensor circuit low input	ON	OFF	1	Engine cooling system	C, O, R	×	(See DTC P0117:00 [MZR 2.5].)

P0139:00*6	HO2S circuit slow response	ON	OFF	2	A/F sensor, HO2S	C	×	P0139:00 [MZR 2.5].)
P0140:00	HO2S circuit no activity detected	ON	OFF	2	A/F sensor, HO2S	C, R	×	(See DTC P0140:00 [MZR 2.5].)
P0171:00	Fuel trim system too lean	ON	OFF	2	Fuel system	C, R	×	(See DTC P0171:00 [MZR 2.5].)
P0172:00	Fuel trim system too rich	ON	OFF	2	Fuel system	C, R	×	(See DTC P0172:00 [MZR 2.5].)
P0222:00	TP sensor No.2 circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0222:00 [MZR 2.5].)
P0223:00	TP sensor No.2 circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0223:00 [MZR 2.5].)
P0300:00	Random misfire detected	Flash/ON	OFF	1 or 2	Misfire	C, R	×	(See DTC P0300:00 [MZR 2.5].)
P0301:00	Cylinder No.1 misfire detected	Flash/ON	OFF	1 or 2	Misfire	C, R	×	(See DTC P0301:00, P0302:00, P0303:00, P0304:00 [MZR 2.5].)
P0302:00	Cylinder No.2 misfire detected							
P0303:00	Cylinder No.3 misfire detected							
P0304:00	Cylinder No.4 misfire detected							
P0327:00	KS circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0327:00 [MZR 2.5].)
P0328:00	KS circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0328:00 [MZR 2.5].)
P0335:00	CKP sensor circuit problem	ON	OFF	1	CCM	C, R	×	(See DTC P0335:00 [MZR 2.5].)

								2.5].)
P0340:00	CMP sensor circuit problem	ON	OFF	1	CCM	C, R	×	(See DTC P0340:00 [MZR 2.5].))
P0401:00*6	EGR flow insufficient detected	ON	OFF	2	EGR system	C, R	×	(See DTC P0401:00 [MZR 2.5].))
P0403:00	EGR control circuit problem	ON	OFF	2	CCM	C, O, R	×	(See DTC P0403:00 [MZR 2.5].))
P0421:00*6	Warm up catalyst system efficiency below threshold	ON	OFF	2	Catalyst	C	×	(See DTC P0421:00 [MZR 2.5].))
P0442:00*6	EVAP system leak detected (small leak)	ON	OFF	2	EVAP system	C	×	(See DTC P0442:00, P0455:00, P0456:00 [MZR 2.5].))
P0443:00*6	Purge solenoid valve circuit problem	ON	OFF	2	CCM	C, O, R	×	(See DTC P0443:00 [MZR 2.5].))
P0446:00*6	CV solenoid valve control circuit	ON	OFF	2	CCM	C	×	(See DTC P0446:00 [MZR 2.5].))
P0451:00*6	Fuel tank pressure sensor range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0451:00 [MZR 2.5].))
P0452:00*6	Fuel tank pressure sensor low input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0452:00 [MZR 2.5].))
P0453:00*6	Fuel tank pressure sensor high input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0453:00 [MZR 2.5].))
P0454:00*6	Fuel tank pressure sensor intermittent	ON	OFF	2	CCM	C, R	×	(See DTC P0454:00 [MZR 2.5].))
P0455:00*6	EVAP system leak detected (gross leak/no flow)	ON	OFF	2	EVAP system	C	×	(See DTC

P0456:00 ^{*7}	EVAP system leak detected (very small leak)	ON	OFF	1 or 2	EVAP system	C	×	P0442:00, P0455:00, P0456:00 [MZR 2.5].)
P0457:00 ^{*6}	EVAP system leak detected (fuel cap loose/off)	ON ^{*4}	OFF	2	EVAP system	C	×	(See DTC P0457:00 [MZR 2.5].)
P0460:00 ^{*6}	Fuel level sensor circuit malfunction	ON	OFF	2	CCM	C, R	×	(See DTC P0460:00 [MZR 2.5].)
P0461:00 ^{*6}	Fuel gauge sender unit circuit range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0461:00 [MZR 2.5].)
P0462:00 ^{*6}	Fuel gauge sender unit circuit low input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0462:00 [MZR 2.5].)
P0463:00 ^{*6}	Fuel gauge sender unit circuit high input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0463:00 [MZR 2.5].)
P0480:00	Cooling fan control circuit problem	OFF	OFF	1	Other	C, O, R	×	(See DTC P0480:00 [MZR 2.5].)
P0500:00	VSS circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0500:00 [MZR 2.5].)
P0505:00 ^{*5}	IAC system problem	OFF	OFF	—	Other	R	—	(See DTC P0505:00 [MZR 2.5].)
P0506:00	Idle air control system RPM lower than expected	ON	OFF	2	CCM	C	×	(See DTC P0506:00 [MZR 2.5].)
P0507:00	Idle air control system RPM higher than expected	ON	OFF	2	CCM	C	×	(See DTC P0507:00 [MZR 2.5].)
P050A:00 ^{*6}	Cold start idle air control system performance problem	ON	OFF	2	Cold start emission reduction strategy monitoring	C, R	×	(See DTC P050A:00 [MZR 2.5].)

P050B:00*6	Cold start ignition timing performance problem	ON	OFF	2	Cold start emission reduction strategy monitoring	C, R	×	(See DTC P050B:00 [MZR 2.5].)
P0550:00	PSP switch circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0550:00 [MZR 2.5].)
P0571:00	Brake switch circuit problem	OFF	OFF	1	Other	C	×	(See DTC P0571:00 [MZR 2.5].)
P0579:00	Cruise control multi-function input circuit range/performance problem	OFF	OFF	1	Other	C	×	(See DTC P0579:00 [MZR 2.5].)
P0581:00	Cruise control multi-function input circuit high input	OFF	OFF	1	Other	C	×	(See DTC P0581:00 [MZR 2.5].)
P0600:00	Serial communication link	ON	OFF	1	CCM	C, O, R	×	(See DTC P0600:00 [MZR 2.5].)
P0601:00	PCM memory check sum error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0601:00 [MZR 2.5].)
P0602:00	PCM programming error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0602:00 [MZR 2.5].)
P0604:00	PCM random access memory error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0604:00 [MZR 2.5].)
P0606:00	PCM processor error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0606:00 [MZR 2.5].)
P0607:00	PCM performance problem	OFF	OFF	1	Other	C, O, R	×	(See DTC P0607:00 [MZR 2.5].)
	Internal control module							(See DTC P060A:00,

P060A:00	monitoring processor performance problem	ON	OFF	1	CCM	C, O, R	×	P060C:00, P061D:00 [MZR 2.5].)
P060B:00	Internal control module A/D processing performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P060B:00 [MZR 2.5].)
P060C:00	Internal control module main processor performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P060A:00, P060C:00, P061D:00 [MZR 2.5].)
P0610:00	PCM vehicle configuration error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0610:00 [MZR 2.5].)
P061B:00	Internal control module torque calculation performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P061B:00 [MZR 2.5].)
P061D:00	Internal control module engine air mass performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P060A:00, P060C:00, P061D:00 [MZR 2.5].)
P061F:00	Internal control module throttle valve actuator controller performance problem	OFF	OFF	1	Other	C, O, R	×	(See DTC P061F:00 [MZR 2.5].)
P0638:00	Throttle valve actuator control circuit range/performance problem	ON	OFF	1	CCM	C	×	(See DTC P0638:00 [MZR 2.5].)
P064D:00	Internal control module A/F sensor processor performance problem	ON	OFF	1	A/F sensor, HO2S	C, R	×	(See DTC P064D:00 [MZR 2.5].)
P0661:00	Variable intake air solenoid valve circuit low input	OFF	OFF	1	Other	C, O, R	×	(See DTC P0661:00 [MZR 2.5].)
P0662:00	Variable intake air solenoid valve circuit high input	OFF	OFF	1	Other	C, O, R	×	(See DTC P0662:00 [MZR 2.5].)

P0685:00*6	Main relay control circuit open	ON	OFF	2	CCM	C	×	(See DTC P0685:00 [MZR 2.5] .)
P06B8:00*6	Internal control module non-volatile random access memory error	ON	OFF	1	CCM	C, O	×	(See DTC P06B8:00 [MZR 2.5] .)
P0703:00	Brake switch input circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0703:00 [MZR 2.5] .)
P0704:00*3	CPP switch input circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0704:00 [MZR 2.5] .)
P0850:00*3	Neutral switch input circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0850:00 [MZR 2.5] .)
P1260:00	Immobilizer system problem	OFF	OFF	—	Other	C, O	—	(See DTC P1260:00 [MZR 2.5] .)
P144A:00*6	EVAP system purge vapor line restricted/blocked	ON	OFF	2	EVAP system	C	×	(See DTC P144A:00 [MZR 2.5] .)
P1450:00*6	Unable to bleed up fuel tank vacuum	ON	OFF	2	EVAP system	C	×	(See DTC P1450:00 [MZR 2.5] .)
P1674:00	Control module software corrupted	ON	OFF	1	CCM	C, O, R	×	(See DTC P1674:00 [MZR 2.5] .)
P2004:00*6	Variable tumble shutter valve stuck open	ON	OFF	2	CCM	C, R	×	(See DTC P2004:00 [MZR 2.5] .)
P2006:00*6	Variable tumble shutter valve stuck closed	ON	OFF	2	CCM	C, R	×	(See DTC P2006:00 [MZR 2.5] .)
P2009:00	Variable tumble solenoid valve circuit low input	ON	OFF	2	CCM	C, O, R	×	(See DTC P2009:00 [MZR 2.5] .)
P2010:00	Variable tumble solenoid	ON	OFF	2	CCM	C, O,	×	(See DTC P2010:00 [MZR

	valve circuit high input					R		2.5].)
P2016:00*6	Variable tumble shutter valve position sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2016:00 [MZR 2.5].)
P2017:00*6	Variable tumble shutter valve position sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2017:00 [MZR 2.5].)
P2088:00	OCV circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2088:00 [MZR 2.5].)
P2089:00	OCV circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2089:00 [MZR 2.5].)
P2096:00	Target A/F feedback system too lean	ON	OFF	2	Fuel system	C	×	(See DTC P2096:00 [MZR 2.5].)
P2097:00	Target A/F feedback system too rich	ON	OFF	2	Fuel system	C	×	(See DTC P2097:00 [MZR 2.5].)
P2100:00	Throttle valve actuator circuit open	ON	OFF	1	CCM	C, O, R	×	(See DTC P2100:00 [MZR 2.5].)
P2101:00	Throttle valve actuator circuit range/performance problem	ON	OFF	1	CCM	C, R	×	(See DTC P2101:00 [MZR 2.5].)
P2105:00	Throttle valve actuator control system-forced engine shutdown	ON	OFF	1	CCM	C, R	×	(See DTC P2105:00 [MZR 2.5].)
P2107:00	Throttle valve actuator control module processor error	ON	OFF	1	CCM	C, R	×	(See DTC P2107:00 [MZR 2.5].)
P2108:00	Throttle valve actuator control module performance error	ON	OFF	1	CCM	C, R	×	(See DTC P2108:00 [MZR 2.5].)
P2110:00	Throttle valve actuator control system-forced limited RPM	ON	OFF	1	CCM	C, R	×	(See DTC P2110:00 [MZR 2.5].)

P2119:00	Throttle valve actuator control throttle body range/performance problem	ON	OFF	1	CCM	C, R	×	(See DTC P2119:00 [MZR 2.5].)
P2122:00	APP sensor No.1 circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2122:00 [MZR 2.5].)
P2123:00	APP sensor No.1 circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2123:00 [MZR 2.5].)
P2127:00	APP sensor No.2 circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2127:00 [MZR 2.5].)
P2128:00	APP sensor No.2 circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2128:00 [MZR 2.5].)
P2135:00	TP sensor No.1/No.2 voltage correlation problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P2135:00 [MZR 2.5].)
P2138:00	APP sensor No.1/No.2 voltage correlation problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P2138:00 [MZR 2.5].)
P2228:00	BARO sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2228:00 [MZR 2.5].)
P2229:00	BARO sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2229:00 [MZR 2.5].)
P2237:00	A/F sensor positive current control circuit open	ON	OFF	2	A/F sensor, HO2S	C, O, R	×	(See DTC P2237:00 [MZR 2.5].)
P2243:00	A/F sensor reference voltage circuit open	ON	OFF	2	A/F sensor, HO2S	C, O, R	×	(See DTC P2243:00 [MZR 2.5].)
P2251:00	A/F sensor negative current control circuit open	ON	OFF	2	A/F sensor, HO2S	C, O, R	×	(See DTC P2251:00 [MZR 2.5].)

P2299:00	Accelerator pedal: spring back malfunction	OFF	OFF	1	Other	C, R	×	(See DTC P2299:00 [MZR 2.5].)
P2502:00	Charging system voltage problem	OFF	ON	1	Other	C, R	×	(See DTC P2502:00 [MZR 2.5].)
P2503:00	Charging system voltage low	OFF	ON	1	Other	C, R	×	(See DTC P2503:00 [MZR 2.5].)
P2504:00	Charging system voltage high	OFF	ON	1	Other	C, R	×	(See DTC P2504:00 [MZR 2.5].)
P2507:00	PCM battery voltage low	ON	OFF	1	CCM	C, O, R	×	(See DTC P2507:00 [MZR 2.5].)
P260F:00*6	EVAP system monitoring processor performance problem	ON	OFF	2	CCM	C, O, R	×	(See DTC P260F:00 [MZR 2.5].)
P2610:00*6	PCM internal engine off timer performance problem	ON	OFF	2	CCM	C	×	(See DTC P2610:00 [MZR 2.5].)
U0073:00	CAN system communication error	OFF	OFF	1	Other	C, O, R	×	(See FOREWORD [MULTI PLEX COMMUNICATION SYSTEM].)
U0101:00*2	Communication error to TCM	ON	OFF	1	Other	C, O, R	×	
U0121:00	Communication error to DSC HU/CM	ON	OFF	1	Other	C, O, R	×	
U0140:00	Communication error to BCM	OFF	OFF	1	Other	C, O, R	×	
U0151:00	Communication error to SAS control module	OFF	OFF	1	Other	C, O, R	×	
U0155:00	Communication error to instrument cluster	ON, OFF*8	OFF	1	Other	C, O, R	×	
U3000:41	PCM processor error	OFF	OFF	—	Other	C, O	—	(See DTC U3000:41 [MZR 2.5].)

*1

C: CMDTC self test, O: KOEO self test, R: KOER self test

*2

ATX

*3

MTX

*4

The fuel cap warning light illuminates

*5

KOER self test only

*6

If equipped

*7

California emission regulation applicable model

*8

Arab Gulf Cooperation Council

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DTC TABLE [MZR 2.5]

×: Applicable—: Not applicable

DTC No.	Condition	MIL	Generator warning light	DC	Monitor item	Self test type ^{*1}	Memory function	Page
P0011:00	CMP timing over-advanced	ON	OFF	2	CCM	C, R	×	(See DTC P0011:00 [MZR 2.5] .)
P0012:00	CMP timing over-retarded	ON	OFF	2	CCM	C, R	×	(See DTC P0012:00 [MZR 2.5] .)
P0016:00 ^{*6}	CKP-CMP correlation	ON	OFF	2	CCM	C	×	(See DTC P0016:00 [MZR 2.5] .)
P0030:00	A/F sensor heater control circuit problem	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0030:00 [MZR 2.5] .)
P0031:00	A/F sensor heater control circuit low input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0031:00 [MZR 2.5] .)
P0032:00	A/F sensor heater control circuit high input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0032:00 [MZR 2.5] .)
P0037:00	HO2S heater control circuit low input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0037:00 [MZR 2.5] .)
P0038:00	HO2S heater control circuit high input	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0038:00 [MZR 2.5] .)
P0053:00	A/F sensor heater resistance problem	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0053:00 [MZR 2.5] .)

P0054:00	HO2S heater resistance problem	ON	OFF	2	A/F sensor heater, HO2S heater	C, O, R	×	(See DTC P0054:00 [MZR 2.5].)
P0069:00	Manifold absolute pressure/atmospheric pressure correlation	ON	OFF	2	CCM	C	×	(See DTC P0069:00 [MZR 2.5].)
P0101:00	MAF sensor circuit range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0101:00 [MZR 2.5].)
P0102:00	MAF sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0102:00 [MZR 2.5].)
P0103:00	MAF sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0103:00 [MZR 2.5].)
P0107:00	MAP sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0107:00 [MZR 2.5].)
P0108:00	MAP sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0108:00 [MZR 2.5].)
P0111:00	IAT sensor circuit range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0111:00 [MZR 2.5].)
P0112:00	IAT sensor circuit low input	ON	ON	1	CCM	C, O, R	×	(See DTC P0112:00 [MZR 2.5].)
P0113:00	IAT sensor circuit high input	ON	ON	1	CCM	C, O, R	×	(See DTC P0113:00 [MZR 2.5].)
P0116:00*6	ECT sensor circuit range/performance problem	ON	OFF	1	Engine cooling system	C	×	(See DTC P0116:00 [MZR 2.5].)
P0117:00	ECT sensor circuit low input	ON	OFF	1	Engine cooling system	C, O, R	×	(See DTC P0117:00 [MZR 2.5].)

P0139:00*6	HO2S circuit slow response	ON	OFF	2	A/F sensor, HO2S	C	×	P0139:00 [MZR 2.5].)
P0140:00	HO2S circuit no activity detected	ON	OFF	2	A/F sensor, HO2S	C, R	×	(See DTC P0140:00 [MZR 2.5].)
P0171:00	Fuel trim system too lean	ON	OFF	2	Fuel system	C, R	×	(See DTC P0171:00 [MZR 2.5].)
P0172:00	Fuel trim system too rich	ON	OFF	2	Fuel system	C, R	×	(See DTC P0172:00 [MZR 2.5].)
P0222:00	TP sensor No.2 circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0222:00 [MZR 2.5].)
P0223:00	TP sensor No.2 circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0223:00 [MZR 2.5].)
P0300:00	Random misfire detected	Flash/ON	OFF	1 or 2	Misfire	C, R	×	(See DTC P0300:00 [MZR 2.5].)
P0301:00	Cylinder No.1 misfire detected	Flash/ON	OFF	1 or 2	Misfire	C, R	×	(See DTC P0301:00, P0302:00, P0303:00, P0304:00 [MZR 2.5].)
P0302:00	Cylinder No.2 misfire detected							
P0303:00	Cylinder No.3 misfire detected							
P0304:00	Cylinder No.4 misfire detected							
P0327:00	KS circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0327:00 [MZR 2.5].)
P0328:00	KS circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P0328:00 [MZR 2.5].)
P0335:00	CKP sensor circuit problem	ON	OFF	1	CCM	C, R	×	(See DTC P0335:00 [MZR 2.5].)

								2.5].)
P0340:00	CMP sensor circuit problem	ON	OFF	1	CCM	C, R	×	(See DTC P0340:00 [MZR 2.5].))
P0401:00 *6	EGR flow insufficient detected	ON	OFF	2	EGR system	C, R	×	(See DTC P0401:00 [MZR 2.5].))
P0403:00	EGR control circuit problem	ON	OFF	2	CCM	C, O, R	×	(See DTC P0403:00 [MZR 2.5].))
P0421:00 *6	Warm up catalyst system efficiency below threshold	ON	OFF	2	Catalyst	C	×	(See DTC P0421:00 [MZR 2.5].))
P0442:00 *6	EVAP system leak detected (small leak)	ON	OFF	2	EVAP system	C	×	(See DTC P0442:00, P0455:00, P0456:00 [MZR 2.5].))
P0443:00 *6	Purge solenoid valve circuit problem	ON	OFF	2	CCM	C, O, R	×	(See DTC P0443:00 [MZR 2.5].))
P0446:00 *6	CV solenoid valve control circuit	ON	OFF	2	CCM	C	×	(See DTC P0446:00 [MZR 2.5].))
P0451:00 *6	Fuel tank pressure sensor range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0451:00 [MZR 2.5].))
P0452:00 *6	Fuel tank pressure sensor low input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0452:00 [MZR 2.5].))
P0453:00 *6	Fuel tank pressure sensor high input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0453:00 [MZR 2.5].))
P0454:00 *6	Fuel tank pressure sensor intermittent	ON	OFF	2	CCM	C, R	×	(See DTC P0454:00 [MZR 2.5].))
P0455:00 *6	EVAP system leak detected (gross leak/no flow)	ON	OFF	2	EVAP system	C	×	(See DTC

P0456:00 ^{*7}	EVAP system leak detected (very small leak)	ON	OFF	1 or 2	EVAP system	C	×	P0442:00, P0455:00, P0456:00 [MZR 2.5].)
P0457:00 ^{*6}	EVAP system leak detected (fuel cap loose/off)	ON ^{*4}	OFF	2	EVAP system	C	×	(See DTC P0457:00 [MZR 2.5].)
P0460:00 ^{*6}	Fuel level sensor circuit malfunction	ON	OFF	2	CCM	C, R	×	(See DTC P0460:00 [MZR 2.5].)
P0461:00 ^{*6}	Fuel gauge sender unit circuit range/performance problem	ON	OFF	2	CCM	C	×	(See DTC P0461:00 [MZR 2.5].)
P0462:00 ^{*6}	Fuel gauge sender unit circuit low input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0462:00 [MZR 2.5].)
P0463:00 ^{*6}	Fuel gauge sender unit circuit high input	ON	OFF	2	CCM	C, O, R	×	(See DTC P0463:00 [MZR 2.5].)
P0480:00	Cooling fan control circuit problem	OFF	OFF	1	Other	C, O, R	×	(See DTC P0480:00 [MZR 2.5].)
P0500:00	VSS circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0500:00 [MZR 2.5].)
P0505:00 ^{*5}	IAC system problem	OFF	OFF	—	Other	R	—	(See DTC P0505:00 [MZR 2.5].)
P0506:00	Idle air control system RPM lower than expected	ON	OFF	2	CCM	C	×	(See DTC P0506:00 [MZR 2.5].)
P0507:00	Idle air control system RPM higher than expected	ON	OFF	2	CCM	C	×	(See DTC P0507:00 [MZR 2.5].)
P050A:00 ^{*6}	Cold start idle air control system performance problem	ON	OFF	2	Cold start emission reduction strategy monitoring	C, R	×	(See DTC P050A:00 [MZR 2.5].)

P050B:00*6	Cold start ignition timing performance problem	ON	OFF	2	Cold start emission reduction strategy monitoring	C, R	×	(See DTC P050B:00 [MZR 2.5].)
P0550:00	PSP switch circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0550:00 [MZR 2.5].)
P0571:00	Brake switch circuit problem	OFF	OFF	1	Other	C	×	(See DTC P0571:00 [MZR 2.5].)
P0579:00	Cruise control multi-function input circuit range/performance problem	OFF	OFF	1	Other	C	×	(See DTC P0579:00 [MZR 2.5].)
P0581:00	Cruise control multi-function input circuit high input	OFF	OFF	1	Other	C	×	(See DTC P0581:00 [MZR 2.5].)
P0600:00	Serial communication link	ON	OFF	1	CCM	C, O, R	×	(See DTC P0600:00 [MZR 2.5].)
P0601:00	PCM memory check sum error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0601:00 [MZR 2.5].)
P0602:00	PCM programming error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0602:00 [MZR 2.5].)
P0604:00	PCM random access memory error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0604:00 [MZR 2.5].)
P0606:00	PCM processor error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0606:00 [MZR 2.5].)
P0607:00	PCM performance problem	OFF	OFF	1	Other	C, O, R	×	(See DTC P0607:00 [MZR 2.5].)
	Internal control module							(See DTC P060A:00,

P060A:00	monitoring processor performance problem	ON	OFF	1	CCM	C, O, R	×	P060C:00, P061D:00 [MZR 2.5].)
P060B:00	Internal control module A/D processing performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P060B:00 [MZR 2.5].)
P060C:00	Internal control module main processor performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P060A:00, P060C:00, P061D:00 [MZR 2.5].)
P0610:00	PCM vehicle configuration error	ON	OFF	1	CCM	C, O, R	×	(See DTC P0610:00 [MZR 2.5].)
P061B:00	Internal control module torque calculation performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P061B:00 [MZR 2.5].)
P061D:00	Internal control module engine air mass performance problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P060A:00, P060C:00, P061D:00 [MZR 2.5].)
P061F:00	Internal control module throttle valve actuator controller performance problem	OFF	OFF	1	Other	C, O, R	×	(See DTC P061F:00 [MZR 2.5].)
P0638:00	Throttle valve actuator control circuit range/performance problem	ON	OFF	1	CCM	C	×	(See DTC P0638:00 [MZR 2.5].)
P064D:00	Internal control module A/F sensor processor performance problem	ON	OFF	1	A/F sensor, HO2S	C, R	×	(See DTC P064D:00 [MZR 2.5].)
P0661:00	Variable intake air solenoid valve circuit low input	OFF	OFF	1	Other	C, O, R	×	(See DTC P0661:00 [MZR 2.5].)
P0662:00	Variable intake air solenoid valve circuit high input	OFF	OFF	1	Other	C, O, R	×	(See DTC P0662:00 [MZR 2.5].)

P0685:00*6	Main relay control circuit open	ON	OFF	2	CCM	C	×	(See DTC P0685:00 [MZR 2.5] .)
P06B8:00*6	Internal control module non-volatile random access memory error	ON	OFF	1	CCM	C, O	×	(See DTC P06B8:00 [MZR 2.5] .)
P0703:00	Brake switch input circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0703:00 [MZR 2.5] .)
P0704:00*3	CPP switch input circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0704:00 [MZR 2.5] .)
P0850:00*3	Neutral switch input circuit problem	ON	OFF	2	CCM	C	×	(See DTC P0850:00 [MZR 2.5] .)
P1260:00	Immobilizer system problem	OFF	OFF	—	Other	C, O	—	(See DTC P1260:00 [MZR 2.5] .)
P144A:00*6	EVAP system purge vapor line restricted/blocked	ON	OFF	2	EVAP system	C	×	(See DTC P144A:00 [MZR 2.5] .)
P1450:00*6	Unable to bleed up fuel tank vacuum	ON	OFF	2	EVAP system	C	×	(See DTC P1450:00 [MZR 2.5] .)
P1674:00	Control module software corrupted	ON	OFF	1	CCM	C, O, R	×	(See DTC P1674:00 [MZR 2.5] .)
P2004:00*6	Variable tumble shutter valve stuck open	ON	OFF	2	CCM	C, R	×	(See DTC P2004:00 [MZR 2.5] .)
P2006:00*6	Variable tumble shutter valve stuck closed	ON	OFF	2	CCM	C, R	×	(See DTC P2006:00 [MZR 2.5] .)
P2009:00	Variable tumble solenoid valve circuit low input	ON	OFF	2	CCM	C, O, R	×	(See DTC P2009:00 [MZR 2.5] .)
P2010:00	Variable tumble solenoid	ON	OFF	2	CCM	C, O,	×	(See DTC P2010:00 [MZR

	valve circuit high input					R		2.5].)
P2016:00*6	Variable tumble shutter valve position sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2016:00 [MZR 2.5].)
P2017:00*6	Variable tumble shutter valve position sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2017:00 [MZR 2.5].)
P2088:00	OCV circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2088:00 [MZR 2.5].)
P2089:00	OCV circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2089:00 [MZR 2.5].)
P2096:00	Target A/F feedback system too lean	ON	OFF	2	Fuel system	C	×	(See DTC P2096:00 [MZR 2.5].)
P2097:00	Target A/F feedback system too rich	ON	OFF	2	Fuel system	C	×	(See DTC P2097:00 [MZR 2.5].)
P2100:00	Throttle valve actuator circuit open	ON	OFF	1	CCM	C, O, R	×	(See DTC P2100:00 [MZR 2.5].)
P2101:00	Throttle valve actuator circuit range/performance problem	ON	OFF	1	CCM	C, R	×	(See DTC P2101:00 [MZR 2.5].)
P2105:00	Throttle valve actuator control system-forced engine shutdown	ON	OFF	1	CCM	C, R	×	(See DTC P2105:00 [MZR 2.5].)
P2107:00	Throttle valve actuator control module processor error	ON	OFF	1	CCM	C, R	×	(See DTC P2107:00 [MZR 2.5].)
P2108:00	Throttle valve actuator control module performance error	ON	OFF	1	CCM	C, R	×	(See DTC P2108:00 [MZR 2.5].)
P2110:00	Throttle valve actuator control system-forced limited RPM	ON	OFF	1	CCM	C, R	×	(See DTC P2110:00 [MZR 2.5].)

P2119:00	Throttle valve actuator control throttle body range/performance problem	ON	OFF	1	CCM	C, R	×	(See DTC P2119:00 [MZR 2.5] .)
P2122:00	APP sensor No.1 circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2122:00 [MZR 2.5] .)
P2123:00	APP sensor No.1 circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2123:00 [MZR 2.5] .)
P2127:00	APP sensor No.2 circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2127:00 [MZR 2.5] .)
P2128:00	APP sensor No.2 circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2128:00 [MZR 2.5] .)
P2135:00	TP sensor No.1/No.2 voltage correlation problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P2135:00 [MZR 2.5] .)
P2138:00	APP sensor No.1/No.2 voltage correlation problem	ON	OFF	1	CCM	C, O, R	×	(See DTC P2138:00 [MZR 2.5] .)
P2228:00	BARO sensor circuit low input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2228:00 [MZR 2.5] .)
P2229:00	BARO sensor circuit high input	ON	OFF	1	CCM	C, O, R	×	(See DTC P2229:00 [MZR 2.5] .)
P2237:00	A/F sensor positive current control circuit open	ON	OFF	2	A/F sensor, HO2S	C, O, R	×	(See DTC P2237:00 [MZR 2.5] .)
P2243:00	A/F sensor reference voltage circuit open	ON	OFF	2	A/F sensor, HO2S	C, O, R	×	(See DTC P2243:00 [MZR 2.5] .)
P2251:00	A/F sensor negative current control circuit open	ON	OFF	2	A/F sensor, HO2S	C, O, R	×	(See DTC P2251:00 [MZR 2.5] .)

P2299:00	Accelerator pedal: spring back malfunction	OFF	OFF	1	Other	C, R	×	(See DTC P2299:00 [MZR 2.5].)
P2502:00	Charging system voltage problem	OFF	ON	1	Other	C, R	×	(See DTC P2502:00 [MZR 2.5].)
P2503:00	Charging system voltage low	OFF	ON	1	Other	C, R	×	(See DTC P2503:00 [MZR 2.5].)
P2504:00	Charging system voltage high	OFF	ON	1	Other	C, R	×	(See DTC P2504:00 [MZR 2.5].)
P2507:00	PCM battery voltage low	ON	OFF	1	CCM	C, O, R	×	(See DTC P2507:00 [MZR 2.5].)
P260F:00 ^{*6}	EVAP system monitoring processor performance problem	ON	OFF	2	CCM	C, O, R	×	(See DTC P260F:00 [MZR 2.5].)
P2610:00 ^{*6}	PCM internal engine off timer performance problem	ON	OFF	2	CCM	C	×	(See DTC P2610:00 [MZR 2.5].)
U0073:00	CAN system communication error	OFF	OFF	1	Other	C, O, R	×	(See FOREWORD [MULTI PLEX COMMUNICATION SYSTEM].)
U0101:00 ^{*2}	Communication error to TCM	ON	OFF	1	Other	C, O, R	×	
U0121:00	Communication error to DSC HU/CM	ON	OFF	1	Other	C, O, R	×	
U0140:00	Communication error to BCM	OFF	OFF	1	Other	C, O, R	×	
U0151:00	Communication error to SAS control module	OFF	OFF	1	Other	C, O, R	×	
U0155:00	Communication error to instrument cluster	ON, OFF ^{*8}	OFF	1	Other	C, O, R	×	
U3000:41	PCM processor error	OFF	OFF	—	Other	C, O	—	(See DTC U3000:41 [MZR 2.5].)

*1

C: CMDTC self test, O: KOEO self test, R: KOER self test

*2

ATX

*3

MTX

*4

The fuel cap warning light illuminates

*5

KOER self test only

*6

If equipped

*7

California emission regulation applicable model

*8

Arab Gulf Cooperation Council

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