

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

1995 MAZDA Xedos 6 OEM Service and Repair Workshop Manual

[Go to manual page](#)

DIAGNOSTIC MONITORING TEST RESULTS [PCM (SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION))]

SM2896808

id0102s980140

• The purpose of this test mode is to confirm the result of OBD-II monitor diagnostic test results. The result values stored when particular monitor is completed are displayed. If the monitor is not completed, initial value is displayed.

OBD Monitor ID	Test ID	Description	Related system	Scaling ID	Unit
01	80	A/F sensor lean-to-rich response time (calculated)	A/F sensor, HO2S	20	Ratio
01	81	A/F sensor rich-to-lean response time (calculated)		20	Ratio
01	82	A/F sensor lean-to-rich response time (calculated)		20	Ratio
01	83	A/F sensor rich-to-lean response time (calculated)		20	Ratio
02	03	Low HO2S voltage for switch time calculation (constant)		0A	Voltage
02	04	High HO2S voltage for switch time calculation (constant)		0A	Voltage
02	05	HO2S rich-to-lean response time (calculated)		10	Time
02	06	HO2S lean-to-rich response time (calculated)		10	Time
02	80	HO2S rich-to-lean response time out (calculated)		10	Time *
02	80	HO2S rich-to-lean response time out (calculated)		10	Weight
02	81	HO2S lean-to-rich response time out (calculated)		10	Time *
02	81	HO2S lean-to-rich response time out (calculated)		10	Weight
21	82	Exponentially weighted moving average value of accumulative amount of fuel	Catalyst	36	g
35	80	Over-retarded (electric variable valve timing)	Variable valve timing	9C	deg.CA
35	81	Over-advanced (electric variable valve timing)		9C	deg.CA
35	82	Over-retarded (hydraulic variable valve timing)		9C	deg.CA
35	83	Over-advanced (hydraulic variable valve timing)		9C	deg.CA
35	84	Intake (A) camshaft position timing retard response time		10	Time
35	85	Intake (A) camshaft position timing advance response time		10	Time
3A	80	Phase 0 end pressure result and test limits	EVAP system	FE	Pa
3A	81	Phase 4 vapor generation minimum change in pressure and test limits		FE	Pa
3A	82	Phase 0 end pressure result and test limits		FE	Pa
3B	80	Phase 2 0.040" cruise leak check vacuum bleed-up and test limits		FE	Pa
3C	81	EONV positive pressure test result and limits		FE	Pa
3C	82	EONV negative pressure (vacuum) test result and limits		FE	Pa
3C	83	Normalized average of four EONV tests results and limits		03	Raw Value
3D	80	Blocked EVAP system line-screening test		A9	Pa/s
3D	81	Blocked EVAP system line-fault confirmation test		FE	Pa
41	80	A/F sensor heater test result and limits	A/F sensor, HO2S	14	ohm
42	80	HO2S heater test result and limits		14	ohm

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Mon
P0014:00	ON	OFF	OFF	OFF	OFF	Hydraulic variable valve timing control system: over-advanced	—	2	
P0015:00	ON	OFF	OFF	OFF	OFF	Hydraulic variable valve timing control system: over-retarded	—	2	
P0016:00	ON	OFF	OFF	OFF	OFF	CKP-CMP (intake side) correlation problem	—	2	
P0017:00	ON	OFF	OFF	OFF	OFF	CKP-CMP (exhaust side) correlation problem	—	2	
P0031:00	ON	OFF	OFF	OFF	OFF	A/F sensor heater control circuit low input	×	2	A/F sensor heater control circuit low input
P0032:00	ON	OFF	OFF	OFF	OFF	A/F sensor heater control circuit high input	×	2	A/F sensor heater control circuit high input
P0037:00	ON	OFF	OFF	OFF	OFF	H02S heater control circuit low input	×	2	A/F sensor heater control circuit low input

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Monitor
P0100:00	ON	OFF	OFF	OFF	OFF	Mass air flow sensor circuit performance problem	×	1	
P0101:00	ON	OFF	OFF	OFF	OFF	MAF sensor circuit range/performance problem	—	2	
P0107:00	ON	OFF	OFF	OFF	OFF	MAP sensor circuit low input	×	1	
P0108:00	ON	OFF	OFF	OFF	OFF	MAP sensor circuit high input	×	1	
P0110:00	ON	OFF	OFF	OFF	OFF	IAT sensor No.1 circuit internal malfunction	×	1	
P0116:00	ON	OFF	OFF	OFF	OFF	ECT sensor circuit range/performance problem	—	1	ECT sensor
P0117:00	ON	OFF	OFF	OFF	OFF	ECT sensor No.1 circuit low input	×	1	ECT sensor

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Monitored
P013A:00	ON	OFF	OFF	OFF	OFF	H02S: Slow response (during transition from rich to lean)	–	2	A/F ratio
P013B:00	ON	OFF	OFF	OFF	OFF	H02S: Slow response (during transition from lean to rich)	–	2	A/F ratio
P0140:00	ON	OFF	OFF	OFF	OFF	H02S circuit no activity detected	–	2	A/F ratio
P0171:00	ON	OFF	OFF	OFF	OFF	Fuel trim system too lean	–	2	Fuel trim
P0172:00	ON	OFF	OFF	OFF	OFF	Fuel trim system too rich	–	2	Fuel trim
P0181:00 ^{*7}	OFF	OFF	OFF	OFF	OFF	Fuel temperature sensor circuit range/performance problem	–	1	Oil temperature

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Mon
P025D:00	OFF	OFF	OFF	OFF	OFF	Fuel pump control module result of on-board diagnostic test high input	–	1	
P0300:00	Flash/ON	OFF	OFF	OFF	OFF	Random misfire detected	×	2	M
P0301:00	Flash/ON	OFF	OFF	OFF	OFF	Cylinder No.1 misfire detected	×	2	M
P0302:00	Flash/ON	OFF	OFF	OFF	OFF	Cylinder No.2 misfire detected	×	2	M
P0303:00	Flash/ON	OFF	OFF	OFF	OFF	Cylinder No.3 misfire detected	×	2	M
P0304:00	Flash/ON	OFF	OFF	OFF	OFF	Cylinder No.4 misfire detected	×	2	M
P0324:00	ON	Indication/illumination	OFF	OFF	OFF	Pre-ignition detected	–	1	C
P0327:00	ON	OFF	OFF	OFF	OFF	KS circuit low input	×	1	
P0328:00	ON	OFF	OFF	OFF	OFF	KS circuit high input	×	1	

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Mon
P0453:00	ON	OFF	OFF	OFF	OFF	Fuel tank pressure sensor high input	–	2	
P0454:00	ON	OFF	OFF	OFF	OFF	Fuel tank pressure sensor intermittent malfunction	–	2	
P0455:00	ON	OFF	OFF	OFF	OFF	Evaporative gas leakage (leakage amount: large)	–	2	
P0456:00	ON	OFF	OFF	OFF	OFF	Evaporative gas leakage (leakage amount: extremely low)	–	2	
P0457:00	ON *5	OFF	OFF	OFF	Indication/illumination	Fuel-filler cap installation malfunction	–	2	
P0460:00	ON	OFF	OFF	OFF	OFF	Fuel level sensor circuit malfunction	–	2	

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Monitored
P050B:00	ON	OFF	OFF	OFF	OFF	Cold start ignition timing performance problem	×	2	Co en rec st mo
P0522:00	ON	OFF	OFF	Indication/illumination	OFF	Engine oil pressure sensor circuit low input	×	1	
P0523:00	ON	OFF	OFF	Indication/illumination	OFF	Engine oil pressure sensor circuit high input	×	1	
P0524:00	ON	Indication/illumination	OFF	Indication/illumination	OFF	Engine oil pressure too low	×	1	0
P0532:00	OFF	OFF	OFF	OFF	OFF	Refrigerant pressure sensor No.1 circuit low input	–	1	0
P0533:00	OFF	OFF	OFF	OFF	OFF	Refrigerant pressure sensor No.1 circuit high input	–	1	0
P0555:00 *6	–	–	–	–	–	Power brake unit vacuum sensor circuit problem	×	1	0

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Monitor
P061B:00	ON	OFF	OFF	OFF	OFF	Internal control module torque calculation performance problem	×	1	
P061D:00	ON	OFF	OFF	OFF	OFF	Internal control module engine air mass performance problem	×	1	
P061F:00	OFF	OFF	OFF	OFF	OFF	Internal control module throttle valve actuator controller performance problem	—	1	C
P0628:00	OFF	OFF	OFF	OFF	OFF	Fuel pump control module circuit low input	—	1	
P0629:00	OFF	OFF	OFF	OFF	OFF	Fuel pump control module circuit high input	×	1	
P0638:00	ON	OFF	OFF	OFF	OFF	Throttle valve actuator control range/performance problem	×	1	
P0646:00*7	ON	OFF	OFF	OFF	OFF	A/C compressor magnetic clutch circuit low input	×	1	C

DTC No.	Check engine light	Master warning indication/master warning light	Charging system warning indication/charging system warning light	Engine oil warning indication/engine oil warning light	Check fuel cap warning indication/check fuel cap warning light	Condition	Fail-safe function	Drive cycle	Mon
P117A:00	OFF	OFF	OFF	OFF	OFF	Engine oil temperature is high	×	1	0
P1260:00	OFF	OFF	OFF	OFF	OFF	Immobilizer system problem	–	–	0
P130C:00	ON	Indication/illumination	OFF	OFF	OFF	Pre-ignition detected	–	1	0
P1380:00	OFF	OFF	OFF	OFF	OFF	Electric variable valve timing control circuit problem	×	1	0
P144A:00	ON	OFF	OFF	OFF	OFF	Evaporator system: clogging between fuel tank and fuel tank pressure sensor	–	2	1 S
P1450:00	ON	OFF	OFF	OFF	OFF	Evaporator system: abnormal negative pressure in fuel tank	–	2	1 S