

2012 - Mazda6 - Engine

DIAGNOSTIC MONITORING TEST RESULTS [MZR 2.5]

- 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	80	HO2S response time out (calculated)		10	Time
21	80	A/F sensor and HO2S switching time ratio	Catalyst	20	Ratio
31	83	EGR pressure variation	EGR	17	Pressure
35	80	Over-retarded	OCV	9C	deg.CA
	81	Over-advanced		9C	deg.CA
3A	80	Phase 0 initial tank vacuum and minimum vacuum		FE	Pa
	81	Phase 4 vapor generation minimum change in pressure and minimum vacuum limit		FE	Pa

	82	Phase 0 initial tank vacuum and gross leak maximum vacuum limit	EVAP	FE	Pa
3B	80	Phase 2 0.040" cruise leak check vacuum bleed-up and maximum vacuum limit		FE	Pa
3C	81* ¹	EONV positive pressure test result and limits		FE	Pa
	82* ¹	EONV negative pressure (vacuum) test result and limits		FE	Pa
	83* ¹	Normalized average of four EONV tests results and limits		03	Raw Value
3D	80	Blocked EVAP system line-screening test		A9	Pa/s
	81	Blocked EVAP system line-fault confirmation test		FE	Pa
41	80* ²	A/F sensor heater test result and limits	A/F sensor, HO2S	14	kohm
42	80* ²	HO2S heater test result and limits		14	kohm
A2	0B	Cylinder No.1 average misfire counts for last 10 DC	Misfire	24	Counts
A2	0C	Cylinder No.1 misfire counts for last/current DC		24	Counts
A3	0B	Cylinder No.2 average misfire counts for last 10 DC		24	Counts
A3	0C	Cylinder No.2 misfire counts for last/current DC		24	Counts
A4	0B	Cylinder No.3 average misfire counts for last 10 DC		24	Counts
A4	0C	Cylinder No.3 misfire counts for last/current DC		24	Counts
A5	0B	Cylinder No.4 average misfire counts for last 10 DC		24	Counts
A5	0C	Cylinder No.4 misfire counts for last/current DC		24	Counts

*1

California emission regulation applicable model

*2

If equipped

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A4	0C	Cylinder No.3 misfire counts for last/current DC		24	Counts
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