MY08 HFV6 GMX322 / GMT265 - Mode $06 data definitions for vehicles using CAN (GMLAN) diagnostic data link

OBD Monitor ID (OBDMID)	Test ID (TID)	Units and Scaling ID (UASID)	Description	Range For Information ONLY. Source information is ISO-15031-5 document	Resolution For Information ONLY. Source information is ISO-15031-5 document	Associated DTC
			Oxygen Sensor Monitor **Bank 1 Sensor 1**			
01	01	0A	Rich to Lean Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
01	02	0A	Lean to Rich Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
01	07	0A	Minimum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0131
01	08	0A	Maximum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0132
01	09	10	Time between Sensor Transitions (Calculated)	0 to 65535 ms	1.0 ms / bit	P0130
01	0A	10	Sensor Period (Calculated)	0 to 65535 ms	1.0 ms / bit	P0133
			Oxygen Sensor Monitor **Bank 1 Sensor 2**			
02	01	0A	Rich to Lean Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
02	02	0A	Lean to Rich Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
02	05	10	Rich to Lean Sensor Transient (Gradient) Time	0 to 65535 ms	1.0 ms / bit	P013A
02	07	0A	Minimum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0137
02	08	0A	Maximum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0138
02	81	0A	Sensor Voltage Achieved for below Commaded Target Voltage Functional Check	0.0 to 7.99 V	0.122 mv / bit	P2270
02	82	0A	Sensor Voltage Achieved for above Commanded Target Voltage Functional Check	0.0 to 7.99 V	0.122 mv / bit	P2271
02	86	10	Rich to Lean Sensor Delay (Response) Time	0 to 65535 ms	1.0 ms / bit	P013E
			Oxygen Sensor Monitor **Bank 2 Sensor 1**			
05	01	0A	Rich to Lean Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
05	02	0A	Lean to Rich Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
05	07	0A	Minimum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0151
05	08	0A	Maximum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0152
05	09	10	Time between Sensor Transitions (Calculated)	0 to 65535 ms	1.0 ms / bit	P0150

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05	0A	10	Sensor Period (Calculated)	0 to 65535 ms	1.0 ms / bit	P0153
			Oxygen Sensor Monitor **Bank 2 Sensor 2**			
06	01	0A	Rich to Lean Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
06	02	0A	Lean to Rich Sensor Threshold Voltage	0.0 to 7.99 V	0.122 mv / bit	-
06	05	10	Rich to Lean Sensor Transient (Gradient) Time	0 to 65535 ms	1.0 ms / bit	P013C
06	07	0A	Minimum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0157
06	08	0A	Maximum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit	P0158
06	81	0A	Maximum Sensor Voltage for Functional Check	0.0 to 7.99 V	0.122 mv / bit	P2272
06	82	0A	Minimum Sensor Voltage for Functional Check	0.0 to 7.99 V	0.122 mv / bit	P2273
06	86	10	Rich to Lean Sensor Delay (Response) Time	0 to 65535 ms	1.0 ms / bit	P014A
			Catalyst Monitor Bank 1	**EWMA** = Exponentially Weighted Moving Average		
21	84	05	Catalyst Test Bank 1 (normalized) - EWMA	0.0 to 1.999	0.0000305 / bit	P0420
			Catalyst Monitor Bank 2	**EWMA** = Exponentially Weighted Moving Average		
22	84	05	Catalyst Test Bank 2 (normalized) - EWMA	0.0 to 1.999	0.0000305 / bit	P0430
			EVAP Monitor (Cap Off)			
39	80	81	EVAP Tank Gross Leak	−32768 to +32767	1.0 / bit	P0455
			EVAP Monitor 0.020"	**EWMA** = Exponentially Weighted Moving Average **EONV** = Engine Off Natural Vacuum		
3C	80	05	EONV NV 0.020 Test - EWMA	0.0 to 1.999	0.0000305 / bit	P0442

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			Purge Flow Monitor			
3D	88	81	Purge Valve Flow Test - Stuck Open / Leak	−32768 to +32767	1.0 / bit	P0496
3D	8C	81	Canister Vent Valve Test - Stuck Closed / Restricted	−32768 to +32767	1.0 / bit	P0446
			Oxygen Sensor Heater Monitor Bank 1 Sensor 1			
41	81	14	Sensor Element Impedance	0 to 65535 Ohms	1 Ohm / bit	P0135
			Oxygen Sensor Heater Monitor Bank 1 Sensor 2			
42	81	14	Sensor Element Impedance	0 to 65535 Ohms	1 Ohm / bit	P0141
			Oxygen Sensor Heater Monitor Bank 2 Sensor 1			
45	81	14	Sensor Element Impedance	0 to 65535 Ohms	1 Ohm / bit	P0155
			Oxygen Sensor Heater Monitor Bank 2 Sensor 2			
46	81	14	Sensor Element Impedance	0 to 65535 Ohms	1 Ohm / bit	P0161
			Fuel System Monitor Bank 1			
81	80	AF	Additive Fuel (Offset) Correction	−327.68 to +327.67 %	0.01 % / bit	P2187, P2188
81	82	05	Multiplicative Fuel (Slope) Correction	0.0 to 1.999	0.0000305 / bit	P2177, P2178
			Fuel System Monitor Bank 2			
82	80	AF	Additive Fuel (Offset) Correction	−327.68 to +327.67 %	0.01 % / bit	P2189, P2190
82	82	05	Multiplicative Fuel (Slope) Correction	0.0 to 1.999	0.0000305 / bit	P2179, P2180

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			Misfire Cylinder 1 data			
A2	0B	24	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 to 65535 counts	1 count / bit	P0301
A2	0C	24	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit	P0301
			Misfire Cylinder 2 data			
A3	0B	24	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 to 65535 counts	1 count / bit	P0302
A3	0C	24	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit	P0302
			Misfire Cylinder 3 data			
A4	0B	24	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 to 65535 counts	1 count / bit	P0303
A4	0C	24	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit	P0303
			Misfire Cylinder 4 data			
A5	0B	24	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 to 65535 counts	1 count / bit	P0304
A5	0C	24	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit	P0304
			Misfire Cylinder 5 data			
A6	0B	24	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 to 65535 counts	1 count / bit	P0305
A6	0C	24	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit	P0305
			Misfire Cylinder 6 data			
A7	0B	24	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 to 65535 counts	1 count / bit	P0306

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A7	0C	24	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit	P0306