

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 <i>For Information ONLY.</i> Source information is ISO-15031-5 document	Resolution <i>For Information ONLY.</i> 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 Commdated 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