MY08 GMX020/023, GMT001, GMX001 LNF SIDI Turbo - Mode $06 data definitions for GM 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	83	05	Dynamic Response Performance (Normalized)	0.0 to 1.999	0.0000305 / bit	P0133
01	84	85	Secondary Sensor Lambda Trim Correction of Primary Sensor	-0.999 to 0.999	0.0000305 / bit	P2096, P2097
			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	Maximum Sensor Voltage for Functional Check	0.0 to 7.99 V	0.122 mv / bit	P2270
02	82	0A	Minimum Sensor Voltage for Functional Check	0.0 to 7.99 V	0.122 mv / bit	P2271
02	86	35	Rich to Lean Sensor Delay (Response) Time	0 to 655350 ms	10.0 ms / bit	P013E
			Catalyst Monitor	**EWMA** = Exponentially Weighted Moving Average		
21	84	05	Catalyst Test Bank 1 (normalized) - EWMA	0.0 to 1.999	0.0000305 / bit	P0420
			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
			Purge Flow Monitor			

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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	85	16	Heater Temperature	-40 to 6513.5 °C	0.1 °C per bit - 40°C	P0135
			Oxygen Sensor Heater Monitor Bank 1 Sensor 2			
42	81	14	Sensor Element Impedance	0 to 65535 Ohms	1 Ohm / bit	P0141
			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
			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

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			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