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
			Oxygen Sensor Monitor Bank 1 Sensor 1		
01	**83**	**05**	Dynamic Response Performance (Normalized)	0.0 to 1.999	0.0000305 / bit
01	**84**	**85**	Secondary Sensor Lambda Trim Correction of Primary Sensor	-0.999 to 0.999	0.0000305 / bit
			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	**07**	**0A**	Minimum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit
02	**08**	**0A**	Maximum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit
02	**81**	**0A**	Equivalence Ratio (Lambda) - Measured Actual	0.0 to 7.99 V	0.122 mv / bit
02	**82**	**0A**	Equivalence Ratio (Lambda) - Commanded Set Point	0.0 to 7.99 V	0.122 mv / bit
02	**83**	**0A**	Dynamic Response Performance (Normalized)	0.0 to 7.99 V	0.122 mv / bit
			Oxygen Sensor Monitor Bank 2 Sensor 1		
05	**83**	**05**	Dynamic Response Performance (Normalized)	0.0 to 1.999	0.0000305 / bit
05	**84**	**85**	Secondary Sensor Lambda Trim Correction of Primary Sensor	-0.999 to 0.999	0.0000305 / bit
			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	**07**	**0A**	Minimum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit

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06	**08**	**0A**	Maximum Sensor Voltage Achieved	0.0 to 7.99 V	0.122 mv / bit
02	**81**	**0A**	Equivalence Ratio (Lambda) - Measured Actual	0.0 to 7.99 V	0.122 mv / bit
02	**82**	**0A**	Equivalence Ratio (Lambda) - Commanded Set Point	0.0 to 7.99 V	0.122 mv / bit
02	**83**	**0A**	Dynamic Response Performance (Normalized)	0.0 to 7.99 V	0.122 mv / bit
			Catalyst Monitor		
21	**84**	**06**	Catalyst Test Bank 1 (normalized)	0.0 to 19.988	0.000305 / bit
22	**84**	**06**	Catalyst Test bank 2 (normalized)	0.0 to 19.988	0.000305 / bit
			EVAP Monitor (Cap Off)		
39	**80**	**81**	EVPD Weak Vacuum Test - Gross Leak	–32768 to +32767	1.0 / bit
			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
			Purge Flow Monitor		
3D	**88**	**81**	Purge Valve Flow Test - Stuck Open / Leak	–32768 to +32767	1.0 / bit
3D	**8C**	**81**	Canister Vent Valve Test - Stuck Closed / Restricted	–32768 to +32767	1.0 / bit
			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

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
			Oxygen Sensor Heater Monitor Bank 1 Sensor 2		
42	**81**	**14**	Sensor Element Impedance	0 to 65535 Ohms	1 Ohm / bit
			Oxygen Sensor Heater Monitor Bank 2 Sensor 1		
45	**85**	**16**	Heater Temperature	-40 to 6513.5 °C	0.1 °C per bit - 40°C
			Oxygen Sensor Heater Monitor Bank 2 Sensor 2		
46	**81**	**14**	Sensor Element Impedance	0 to 65535 Ohms	1 Ohm / bit
			Fuel System Monitor Bank 1		
81	**80**	**AF**	Additive Fuel (Offset) Correction	–327.68 to +327.67 %	0.01 % / bit
81	**82**	**05**	Multiplicative Fuel (Slope) Correction	0.0 to 1.999	0.0000305 / bit
			Fuel System Monitor Bank 2		
82	**80**	**AF**	Additive Fuel Offset Correction	–327.68 to +327.67 %	0.01 % / bit
82	**82**	**05**	Multiplicative Fuel Slope Correction	0.0 to 1.999	0.0000305 / bit
			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

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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
A2	**0C**	**24**	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit
			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
A3	**0C**	**24**	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit
			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
A4	**0C**	**24**	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit
			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
A5	**0C**	**24**	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit
			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
A6	**0C**	**24**	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit
			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
A7	**0C**	**24**	Misfire counts for the last / current driving cycles	0 to 65535 counts	1 count / bit