GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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	**01**	**0A**	Rich *to* Lean Sensor Threshold Voltage	0.0000 *to* 7.9900 V	0.122 mv / bit
01	**02**	**0A**	Lean *to* Rich Sensor Threshold Voltage	0.0000 *to* 7.9900 V	0.122 mv / bit
01	**03**	**0A**	Low Sensor Voltage for Switch Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
01	**04**	**0A**	High Sensor Voltage for Switch Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
01	**05**	**10**	Rich *to* Lean Sensor Switch Time	0.0000 *to* 65.535 ms	1 ms / bit
01	**06**	**10**	Lean *to* Rich Sensor Switch Time	0.0000 *to* 65.535 ms	1 ms / bit
01	**10**	see footnote 1			
01	**80**	**2B**	Rich *to* Lean Switches Test Results	0 *to* 65535 switches	1 switch / bit
01	**81**	**2B**	Lean *to* Rich Switches Test Results	0 *to* 65535 switches	1 switch / bit
01	**82**	**20**	Rich-Lean Response *to* Lean-Rich Response Ratio	0.000:1 *to* 255.996:1 ratio	0.0039 / bit
01	**83**	**0A**	Low Sensor Voltage for Half Period Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
01	**84**	**0A**	High Sensor Voltage for Half Period Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
01	**85**	**10**	O2 Sensor Rich *to* Lean Half Period Time	0.0000 *to* 65535 ms	1 ms / bit
01	**86**	**10**	O2 Sensor Lean *to* Rich Half Period Time	0.0000 *to* 65535 ms	1 ms / bit
01	**87**	**10**	Sum of O2 Sensor L/R *and* R/L Half Period Times	0.0000 *to* 65535 ms	1 ms / bit
01	**88**	**90** (3)	Difference Between Rich-Lean Response *and* Lean-Rich Response	–32768 *to* +32767 milliseconds	1 ms / bit
01	**89**	**06**	B1S1 WRAF Slow Response	0 to 19.99 raw value	0.000305 / bit
01	**8E**	**B1**	Absolute Average Slope of the O2 Sensor Signal	–65536 *to* +65534 mV/s	2 mV/s per bit
01	**8F**	**B1**	Instantaneous Positive Slope of the O2 Sensor Signal	–65536 *to* +65534 mV/s	2 mV/s per bit
01	**90**	**B1**	Instantaneous Negative Slope of the O2 Sensor Signal	–65536 *to* +65534 mV/s	2 mV/s per bit
		Oxygen Sensor Monitor Bank 1 Sensor 2			
02	**05**	**20**	B1S2 rich-lean switch time in fuel cut-off	0.000:1 *to* 255.99:1 ratio	0.0039 / bit
02	**8A**	**24**	Post Catalyst Sensor Open Test	0 *to* 65535 counts	1 count / bit
02	**8B**	**0A**	Post Catalyst Sensor Rich Test	0.0000 *to* 7.9900 V	0.122 mv / bit
02	**8C**	**0A**	Post Catalyst Sensor Lean Test	0.0000 *to* 7.9900 V	0.122 mv / bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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 3			
03	**8A**	**24**	Post Catalyst Sensor Open Test	0 *to* 65535 counts	1 count / bit
03	**8B**	**0A**	Post Catalyst Sensor Rich Test	0.0000 *to* 7.9900 V	0.122 mv / bit
03	**8C**	**0A**	Post Catalyst Sensor Lean Test	0.0000 *to* 7.9900 V	0.122 mv / bit
		Oxygen Sensor Monitor Bank 2 Sensor 1			
05	**01**	**0A**	Rich *to* Lean Sensor Threshold Voltage	0.0000 *to* 7.9900 V	0.122 mv / bit
05	**02**	**0A**	Lean *to* Rich Sensor Threshold Voltage	0.0000 *to* 7.9900 V	0.122 mv / bit
05	**03**	**0A**	Low Sensor Voltage for Switch Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
05	**04**	**0A**	High Sensor Voltage For Switch Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
05	**05**	**10**	Rich *to* Lean Sensor Switch Time	0.0000 *to* 65535 ms	1 ms / bit
05	**06**	**10**	Lean *to* Rich Sensor Switch Time	0.0000 *to* 65535 ms	1 ms / bit
05	**10**	see footnote 1			
05	**80**	**2B**	Rich *to* Lean Switches Test Results	0 *to* 65535 switches	1 switch / bit
05	**81**	**2B**	Lean *to* Rich Switches Test Results	0 *to* 65535 switches	1 switch / bit
05	**82**	**20**	Rich-Lean Response *to* Lean-Rich Response Ratio	0:1 *to* 255.996:1 ratio	0.0039 / bit
05	**83**	**0A**	Low Sensor Voltage for Half Period Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
05	**84**	**0A**	High Sensor Voltage for Half Period Time Calculation	0.0000 *to* 7.9900 V	0.122 mv / bit
05	**85**	**10**	O2 Sensor Rich *to* Lean Half Period Time	0.0000 *to* 65535 ms	1 ms / bit
05	**86**	**10**	O2 Sensor Lean *to* Rich Half Period Time	0.0000 *to* 65535 ms	1 ms / bit
05	**87**	**10**	Sum of O2 Sensor L/R *and* R/L Half Period Times	0.0000 *to* 65535 ms	1 ms / bit
05	**88**	**90**	Difference Between Rich-Lean Response *and* Lean-Rich Response	–32768 *to* +32767 milliseconds	1 ms / bit
05	**89**	**06**	B2S1 WRAF Slow Response	0 to 19.99 raw value	0.000305 / bit
05	**8E**	**B1**	Absolute Average Slope of the O2 Sensor Signal	–65536 *to* +65534 mV/s	2 mV/s per bit
05	**8F**	**B1**	Instantaneous Positive Slope of the O2 Sensor Signal	–65536 *to* +65534 mV/s	2 mV/s per bit
05	**90**	**B1**	Instantaneous Negative Slope of the O2 Sensor Signal	–65536 *to* +65534 mV/s	2 mV/s per bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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 2 Sensor 2			
06	**05**	**20**	B2S2 rich-lean switch time in fuel cut-off	0.000:1 *to* 255.99:1 ratio	0.0039 / bit
06	**8A**	**24**	Post Catalyst Sensor Open Test	0 *to* 65535 counts	1 count / bit
06	**8B**	**0A**	Post Catalyst Sensor Rich Tests	0.0000 *to* 7.9900 V	0.122 mv / bit
06	**8C**	**0A**	Post Catalyst Sensor Lean Tests	0.0000 *to* 7.9900 V	0.122 mv / bit
		Oxygen Sensor Monitor Bank 2 Sensor 3			
07	**8A**	**24**	Post Catalyst Sensor Open Tests	0 to 65535 counts	1 count / bit
07	**8B**	**0A**	Post Catalyst Sensor Rich Tests	0.0000 *to* 7.9900 V	0.122 mv / bit
07	**8C**	**0A**	Post Catalyst Sensor Lean Tests	0.0000 to 7.9900 V	0.122 mv / bit
		Catalyst Monitor			
21	**A0**	**01**	Catalyst Test Bank 1 (using OSC normalized ratio units)	0 to +65535 unitless	1 per bit
21	**A0**	**05**	Catalyst Test Bank 1 (using OSC normalized ratio units)	0 to 1.999 unitless	0.0000305 / bit
21	**A0**	**90**	Catalyst Test Bank 1 (using OSC compensation units)	–32768 *to* +32767 milliseconds	1 ms / bit
21	**A1**	**01**	Catalyst Test Bank 1 (using Catalyst DFCO Exit Test)	0 to +65535 unitless	1 per bit
22	**A0**	**01**	Catalyst Test Bank 2 (using OSC compensation units)	0 to +65535 unitless	1 per bit
22	**A0**	**05**	Catalyst Test Bank 2 (using OSC normalized ratio units)	0 to 1.999 raw value	0.0000305 / bit
22	**A0**	**90**	Catalyst Test Bank 2 (using OSC compensation units)	–32768 *to* +32767 milliseconds	1 ms / bit
22	**A1**	**01**	Catalyst Test Bank 2 (using Catalyst DFCO Exit Test)	0 to +65535 unitless	1 per bit
		EGR Bank 1			
31	**A8**	**FD**	EGR Flow Decel Service Test	–32.768 *to* +32.767 kPa	0.001 kPa / bit
31	**A9**	**FD** (6)	EGR Flow Quick Test	–32.768 *to* +32.767 kPa	0.001 kPa / bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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
		EVAP Monitor (Cap off/gross Leak, large leak)	**EVPD** = Evap Pressure / Vacuum Decay		
39	**39**	see footnote 1			
39	**3A**	see footnote 1			
39	**3B**	see footnote 2			
39	**B0**	**FE**	Cap Off/gross Leak	-8192 to +8191.75 Pa	0.25 Pa / bit
39	**B1**	**32**	Large leak	0 to 1.999 inch	0.0000305 / bit
		EVAP Monitor (Large)	**EVPD** = Evap Pressure / Vacuum Decay		
3A	**C0**	**31**	EVPD Weak Vacuum Test scaled in liters	0.0 *to* 65.535 liters	0.001 liters / bit
3A	**C0**	**FD**	EVPD Weak Vacuum Test scaled in kPa	–32.768 *to* +32.767 kPa	0.001 kPa / bit
3A	**C1**	**11**	EVPD Weak Vacuum Follow-up Test	0.0 *to* 6553.5 sec	100 milliseconds / bit
		EVAP Monitor 0.040"	**EVPD** = Evap Pressure / Vacuum Decay		
3B	**C2**	**32**	EVPD NV 0.040 Test - scaled in inches	0.000 *to* 1.999 inches	0.0000305 inches / bit
3B	**C2**	**B0**	EVPD NV 0.040 Test - scaled in percentage slope	–100.01 *to* +100.00%	+0.003052 percent / bit
		EVAP Monitor 0.020"	**EVPD** = Evap Pressure / Vacuum Decay **EONV** = Engine Off Natural Vacuum		
3C	**C2**	**B0**	EVPD NV 0.020 Test - scaled in percentage slope	–100.01 *to* +100.00%	+0.003052 percent / bit
3C	**C3**	**B0**	EVPD NV 0.020 Test - scaled in percentage slope	–100.01 *to* +100.00%	+0.003052 percent / bit
3C	**C3**	**32**	EVPD NV 0.020 Test - scaled in inches	0.000 *to* 1.999 inches	0.0000305 inches / bit
3C	**C8**	**20**	EONV NV 0.020 Test	0.000:1 *to* 255.996:1 ratio	0.0039 / bit
3C	**C8**	**FD**	EONV NV 0.020 Test (Note: 1 kPa = 4.0146309 inches H2O)	–32.768 *to* +32.767 kPa	0.001 kPa / bit
3C	**C9**	**20**	EONV Vacuum Rezero Test	0.000:1 *to* 255.996:1 ratio	0.0039 / bit
3C	**C9**	**FE**	Canister Vent Valve 'stuck closed'	-8192 to +8191.75 Pa	0.25 Pa / bit
3C	**CA**	**24**	EONV Fuel Level Rationality Test	0 *to* 65535 counts	1 count / bit
3C	**CB**	**24**	EONV Vacuum Rationality Test	0 *to* 65535 counts	1 count / bit
3C	**CB**	**FE**	Canister Purge Valve 'stuck open'	-8192 to +8191.75 Pa	0.25 Pa / bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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
		Purge Flow Monitor	**EVPD** = Evap Pressure / Vacuum Decay		
3D	**C4**	**11**	EVPD NV Purge Pass Test	0.0 *to* 6553.5 sec	100 milliseconds / bit
3D	**C5**	**FE**	EVPD Purge Vacuum Fail Test Note: 1kPa = 0.0040146309 inches H2O vacuum Note: Min Test Limit is set to $8000 if test complete.	–32.768 *to* +32.767 inches H2O	0.001 inches H2O / bit
3D	**C6**	**11** (5)	EVPD Vent Restriction Test 1	0.0 *to* 6553.5 sec	100 milliseconds / bit
3D	**C7**	**FD**	EVPD Vent Restriction Test 2 - scaled in kPa. Note: 1 kPa = 4.0146309 in H2O	32.768 *to* +32.767 kPa	0.001 kPa / bit
3D	**C7**	**31**	EVPD Vent Restriction Test 2 - scaled in liters	0.0 *to* 65.535 liters	0.001 liters / bit
3D	**C8**	**31**	EVPD Vent Restriction Test2 - scaled in liters	0.0 *to* 65.535 liters	0.001 liters / bit
		Oxygen Sensor Heater Monitor Bank 1 Sensor 1			
41	**D0**	**11**	Time to Activity Monitor	0.0 *to* 6553.5 sec	100 milliseconds / bit
41	**D1**	**0F**	Current Feedback Amps Value Test	0.00 *to* 655.35 amperes	0.01 Amperes / bit
41	**D2**	**24**	Current Feedback X out of Y Samples Test	0 *to* 65535 counts	1 count / bit
41	**D3**	**11**	Sensor Heater Monitor B1S1 'operative readiness time'	0 to 6553.5 seconds	100ms / bit
41	**D4**	**96**	Sensor Heater Monitor B1S1 'tip temperature out of range'	-3276.8 to + 3276.7 degC	0.1 degC / bit
41	**D3**	**84**	Heater Resistance Error Test	–32.768 *to* +32.767 differential ohms	0.001 Ohm/bit
		Oxygen Sensor Heater Monitor Bank 1 Sensor 2			
42	**D0**	**11**	Time to Activity Monitor	0.0 *to* 6553.5 sec	100 milliseconds / bit
42	**D1**	**0F**	Current Feedback Amps Value Test	0.00 *to* 655.35 amperes	0.01 Amperes / bit
42	**D2**	**24**	Current Feedback X out of Y Samples Test	0 *to* 65535 counts	1 count / bit
42	**D5**	**14**	Sensor Heater Monitor B1S2 ' resistance out of range'	0 to 65535 ohms	1 ohm / bit
42	**D3**	**84**	Heater Resistance Error Test	–32.768 *to* +32.767 differential ohms	0.001 Ohm/bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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 3			
43	**D0**	**11**	Time to Activity Monitor	0.0 *to* 6553.5 sec	100 milliseconds / bit
43	**D1**	**0F**	Current Feedback Amps Value Test	0.00 *to* 655.35 amperes	0.01 Amperes / bit
43	**D2**	**24**	Current Feedback X out of Y Samples Test	0 *to* 65535 counts	1 count / bit
43	**D3**	**84**	Heater Resistance Error Test	–32.768 *to* +32.767 differential ohms	0.001 Ohm/bit
		Oxygen Sensor Heater Monitor Bank 2 Sensor 1			
45	**D0**	**11**	Time to Activity Monitor	0.0 *to* 6553.5 sec	100 milliseconds / bit
45	**D1**	**0F**	Current Feedback Amps Value Test	0.00 *to* 655.35 amperes	0.01 Amperes / bit
45	**D2**	**24**	Current Feedback X out of Y Samples Test	0 *to* 65535 counts	1 count / bit
45	**D3**	**11**	Sensor Heater Monitor B2S1 'operative readiness time'	0 to 6553.5 seconds	100ms / bit
45	**D3**	**84**	Heater Resistance Error Test	–32.768 *to* +32.767 differential ohms	0.001 Ohm/bit
45	**D4**	**96**	Sensor Heater Monitor B2S1 'tip temperature out of range'	-3276.8 to + 3276.7 degC	0.1 degC / bit
		Oxygen Sensor Heater Monitor Bank 2 Sensor 2			
46	**D0**	**11**	Time to Activity Monitor	0.0 *to* 6553.5 sec	100 milliseconds / bit
46	**D1**	**0F**	Current Feedback Amps Value Test	0.00 *to* 655.35 amperes	0.01 Amperes / bit
46	**D2**	**24**	Current Feedback X out of Y Samples Test	0 *to* 65535 counts	1 count / bit
46	**D3**	**84**	Heater Resistance Error Test	–32.768 *to* +32.767 differential ohms	0.001 Ohm/bit
46	**D5**	**14**	Sensor Heater Monitor B2S2 ' resistance out of range'	0 to 65535 ohms	1 ohm / bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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 2 Sensor 3			
47	**D0**	**11**	Time to Activity Monitor	0.0 *to* 6553.5 sec	100 milliseconds / bit
47	**D1**	**0F**	Current Feedback Amps Value Test	0.00 *to* 655.35 amperes	0.01 Amperes / bit
47	**D2**	**24**	Current Feedback X out of Y Samples Test	0 *to* 65535 counts	1 count / bit
47	**D3**	**84**	Heater Resistance Error Test	–32.768 *to* +32.767 differential ohms	0.001 Ohm/bit
		Secondary AIR monitor bank 1			
71	**E0**	**24**	AIR - Bank 1 Test	0 *to* 65535 counts	1 count / bit
71	**E1**	**FD**	AIR on - pressure error test	–32.768 *to* +32.767 kPa	0.001 kPa / bit
71	**E2**	**FD**	AIR Valve shut - pressure error test	–32.768 *to* +32.767 kPa	0.001 kPa / bit
71	**E3**	**FD**	AIR Pump off - pressure error test	–32.768 *to* +32.767 kPa	0.001 kPa / bit
		Secondary AIR monitor bank 2			
72	**E0**	**24**	AIR - Bank 2 Test	0 *to* 65535 counts	1 count / bit
72	**E1**	**FD**	AIR on - pressure error test	–32.768 *to* +32.767 kPa	0.001 kPa / bit
72	**E2**	**FD**	AIR Valve shut - pressure error test	–32.768 *to* +32.767 kPa	0.001 kPa / bit
72	**E3**	**FD**	AIR Pump off - pressure error test	–32.768 *to* +32.767 kPa	0.001 kPa / bit
72	**E4**	**FD**	AIR on - pressure differential, *between* bank 1 and bank 2	–32.768 *to* +32.767 kPa	0.001 kPa / bit
		Misfire Cylinder 1 data			
A2	**0B**	**24** (4)	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
A2	**0C**	**24**	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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
		Misfire Cylinder 2 data			
A3	**0B**	**24** (4) (7)	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
A3	**0C**	**24** (7)	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit
		Misfire Cylinder 3 data			
A4	**0B**	**24** (4) (7)	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
A4	**0C**	**24** (7)	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit
		Misfire Cylinder 4 data			
A5	**0B**	**24** (4) (7)	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
A5	**0C**	**24** (7)	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit
		Misfire Cylinder 5 data			
A6	**0B**	**24** (4)	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** (4)	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
		Misfire Cylinder 7 data			
A8	**0B**	**24**	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
A8	**0C**	**24**	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit

GM mode $06 data definitions for GM vehicles using GMLAN diagnostic data link

Some items have footnotes, defined on the last pages.

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
		Misfire Cylinder 8 data			
A9	**0B**	**24**	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
A9	**0C**	**24**	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit
		Misfire Cylinder 9 data			
AA	**0B**	**24**	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
AA	**0C**	**24**	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit
		Misfire Cylinder 10 data			
AB	**0B**	**24**	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
AB	**0C**	**24**	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit
		Misfire Cylinder 11 data			
AC	**A5**	**24**	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
AC	**0C**	**24**	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit
		Misfire Cylinder 12 data			
AD	**0B**	**24**	EWMA (Exponentially Weighted Moving Average) misfire counts for the last 10 driving cycles	0 *to* 65535 counts	1 count / bit
AD	**0C**	**24**	Misfire counts for the last / current driving cycles	0 *to* 65535 counts	1 count / bit

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

FOOTNOTES

1 For the following 2004 model year vehicles:

Cadillac XLR, SRX with 4.6 liter (VIN A) engine

The following OBDMIDs and TIDs may be defined as shown:

OBDMID $01
TID $10 may be replaced with TID $89

OBDMID $05
TID $10 may be replaced with TID $89

OBDMID $39
TID $39 may be replaced with TID $B0
TID $3A may be replaced with TID $B1

2 For the following 2004 model year vehicles:

Cadillac XLR, SRX with 4.6 liter (VIN A) engine

OBDMID $39 TID $3B test limits and value are invalid.

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

FOOTNOTES

3 For the following 2005 model year vehicles:

Chevrolet Equinox with 3.4 liter (VIN F)
Chevrolet Malibu with 3.5 liter (VIN 8)
Pontiac Grand Am with 3.5 liter (VIN 8)

OBDMID $01 TID $88 test limits and value should be divided by 1000.

4 For the following 2005 model year vehicles:

Chevrolet Equinox with 3.4 liter (VIN F)
Chevrolet Malibu with 3.5 liter (VIN 8)
Pontiac Grand Am with 3.5 liter (VIN 8)

OBDMID $A2 through $A7 TID $0B test value should be multiplied by 10.

5 For the following 2007 model year vehicle:

Buick Lucerne with 3.8L (VIN 2) engine

If the test limit for OBDMID $3D TID $6C reads 8.8 seconds (raw Hex value 58), the test value may be invalid.
If the test value is more than the test limit *-and-* P0446 is not set, the data is invalid.
If the test value is less than the test limit *-and-* P0446 is set, the data may be invalid.

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

FOOTNOTES

6 For the following 2006 model year vehicles:

Buick Lucerne with 4.6L (VIN Y) engine
Cadillac DTS with 4.6L (VIN Y *-or-* 9) engine

OBDMID $31 TID $A9 test limits and test value should be multiplied by 4 (limit result to –32.768 *-to-* +32.767 kPa).

7 For the following 2007 model year vehicle:

Pontiac Solstice, Saturn Sky, with 2.0L (VIN X) engine.

The OBDMID $A3, $A4, and $A5 are misaligned with the cylinders.

OBDMID $A3 Test IDs contain misfire data for cylinder #3, (not #2).

OBDMID $A4 Test IDs contain misfire data for cylinder #4, (not #3).

OBDMID $A5 Test IDs contain misfire data for cylinder #2, (not #4).