Mode $06 data definitions for this GM vehicle: Epica

Mode $06

Test ID (hex)	Type of Test Limit *(see footnote on last page)* and Comp ID (hex)	Description	Decimal Range	Hex Range
Test ID	**Comp ID**	**Catalst Monitoring**	**Decimal Range**	**Hex Range**
81	00	Downsteam sensor activity, Bank1	0.00 - 1.98	00 - 7F
81	01	Downsteam sensor activity, Bank2	0.00 - 1.98	00 - 7F
Test ID	**Comp ID**	**O2 Sensor Diagnosis**	**Decimal Range**	**Hex Range**
82	02	Ratio between measured and max allowed switching times from rich to lean, Bank1 Sensor 1	0.00 - 1.98	00 - 7F
82	03	Ratio between measured and max allowed switching times from lean to rich, Bank1 Sensor 1	0.00 - 1.98	00 - 7F
82	04	Total ratio between measured and max allowed lean time, Bank1 Sensor 1	0.00 - 1.98	00 - 7F
82	05	Total ratio between measured and max allowed rich time, Bank1 Sensor 1	0.00 - 1.98	00 - 7F
82	0A	Ratio between the monitor sensor switching time and the threshold value, Bank1 Sensor 2	0.00 - 1.99	00 - FF
82	0B	The monitoring sensor signal level after leaving fuel cut-off and the threshold value, Bank1 Sensor 2	0.00 - 1.99	00 - FF
82	12	Ratio between measured and max allowed switching times from rich to lean, Bank2 Sensor 1	0.00 - 1.98	00 - 7F
82	13	Ratio between measured and max allowed switching times from lean to rich, Bank2 Sensor 1	0.00 - 1.98	00 - 7F
82	14	Total ratio between measured and max allowed lean time, Bank2 Sensor 1	0.00 - 1.98	00 - 7F
82	15	Total ratio between measured and max allowed rich time, Bank2 Sensor 1	0.00 - 1.98	00 - 7F
82	1A	Ratio between the monitor sensor switching time and the threshold value, Bank2 Sensor 2	0.00 - 1.99	00 - FF
82	1B	The monitoring sensor signal level after leaving fuel cut-off and the threshold value, Bank2 Sensor 2	0.00 - 1.99	00 - FF

Mode $06 data definitions for this GM vehicle: Epica

Test ID	Comp ID	Evap Emission Diagnosis	Decimal Range	Hex Range
85	00	Large Leak	-40.96 - 40.96 hPa	8000 - 7FFF
85	01	Small Leak, 0.040"	0.00 - 4.13 mm	00 - FF
85	02	Small Leak, 0.020"	0.00 - 4.13 mm	00 - FF
85	03	Purge Solenoid stuck open	-40.96 - 40.96 hPa	8000 - 7FFF

Test ID	Comp ID	Thermostat Monitor	Decimal Range	Hex Range
89	00	Thermostat monitpring	-48 - 142.50 degrees C	00 - FE

Test ID	Comp ID	O2 Sensor Heater Monitor	Decimal Range	Hex Range
8B	01	Oxygen sensor heater resistance, Bank1 sensor 1	0.00 - 60.00 ohm	00 - FF
8B	02	Oxygen sensor heater resistance, Bank 2 sensor 1	0.00 - 60.00 ohm	00 - FF
8C	01	Oxygen sensor heater resistance, Bank1 sensor 2	0.00 - 60.00 ohm	00 - FF
8C	02	Oxygen sensor heater resistance, Bank 2 sensor 2	0.00 - 60.00 ohm	00 - FF

Test ID	Comp ID	TCO - sensor plausibility Diagnosis	Decimal Range	Hex Range
8D	00	Time after start to activate the lambda control	0.00 - 6553.50 sec	0000 - FFFF

Test ID	Comp ID	EGR system monitoring	Decimal Range	Hex Range
91	00	EGR Flow	0.00 - 4.00	0000 - FFFF
91	01	Permanent EGR flow	0.00 - 5434.00 mbar	0000 - FFFF
91	02	EGR leakage	0.00 - 5434.00 mbar	0000 - FFFF
91	03	EGR leakage	0.00 - 4.00	0000 - FFFF

FOOTNOTES

bit 7:

Most significant bit indicates type of test limit, where:

0 - test limit is maximum value - test fails if test value is greater than this value

1 - test limit is minimum value - test fails if test value is less than this value

If the test result should be within a range of values, two messages will be returned, one maximum value and one minimum value.

bit 6 - bit 0 Component ID - manufacturer defined

Necessary when multiple components or systems are present on the vehicle and have the same definition of test ID.