

OBD-II / EOBD / JOBD

Version: 2013.11 Date: Dec., 2013

⌘ VEHICLES:

Vehicle Powertrain systems adopt :

ISO 9141
ISO 14230 / KWP-2000
SAE 1850 VPW / PWM
ISO 15765 CAN

⌘ AVAILABLE TESTS:

1. Data Stream

Pid Status (OBD-II Mode 1)
Parameter Identification (PID) information
Status and Readiness of PID's
Live PID information
Read Live Data

2. Read DTC

Read Diagnostic Trouble Codes (DTC's) (OBD-II Mode 3 & 7)
Read Pending DTC(OBD-II Mode 7)

3. Freeze Frame

Freeze Frame data for Diagnostic Trouble Codes (DTC). (OBD-II Mode 2)

4. Clear DTC

Clear Diagnostic Trouble Codes (DTC's) (OBD-II Mode 4)
Reset DTC's and Freeze Frame data (OBD-II Mode 4)

5. O₂S Monitoring

Oxygen Sensor operation and testing. (OBD-II Mode 5 for NON-CAN & mode 6 for CAN)

6. Data Scan / Waveform

RPM signal / O₂ sensor signal / Mass air flow sensor signal / Ignition timing / TPS signal /MAP sensor signal

7. Readiness Status

Monitoring function operating status. (OBD-II Mode 1)

8. MONITORING TEST RESULT(OBD-II MODE 6) (note)

9. READ VIN NUMBER / CALIBRATION ID (OBDII MODE 9)

NOTE

Monitoring Test Result (MODE-6) function list

NON-CAN PROTOCOLS

TID 01 ~ FF: manufacture specified tests

CAN-Protocol

MID 01: Oxygen Sensor Monitor Bank 1 - Sensor 1
MID 02: Oxygen Sensor Monitor Bank 1 - Sensor 2
MID 03: Oxygen Sensor Monitor Bank 1 - Sensor 3
MID 04: Oxygen Sensor Monitor Bank 1 - Sensor 4
MID 05: Oxygen Sensor Monitor Bank 2 - Sensor 1
MID 06: Oxygen Sensor Monitor Bank 2 - Sensor 2
MID 07: Oxygen Sensor Monitor Bank 2 - Sensor 3
MID 08: Oxygen Sensor Monitor Bank 2 - Sensor 4
MID 09: Oxygen Sensor Monitor Bank 3 - Sensor 1
MID 0A: Oxygen Sensor Monitor Bank 3 - Sensor 2
MID 0B: Oxygen Sensor Monitor Bank 3 - Sensor 3
MID 0C: Oxygen Sensor Monitor Bank 3 - Sensor 4
MID 0D: Oxygen Sensor Monitor Bank 4 - Sensor 1
MID 0E: Oxygen Sensor Monitor Bank 4 - Sensor 2
MID 0F: Oxygen Sensor Monitor Bank 4 - Sensor 3
MID 10: Oxygen Sensor Monitor Bank 4 - Sensor 4
MID 21: Catalyst Monitor Bank 1
MID 22: Catalyst Monitor Bank 2
MID 23: Catalyst Monitor Bank 3
MID 24: Catalyst Monitor Bank 4
MID 31: EGR Monitor Bank 1
MID 32: EGR Monitor Bank 2
MID 33: EGR Monitor Bank 3
MID 34: EGR Monitor Bank 4
MID 39: EVAP Monitor (Cap Off)
MID 3A: EVAP Monitor (0.090)
MID 3B: EVAP Monitor (0.040)
MID 3C: EVAP Monitor (0.020)
MID 3D: Purge Flow Monitor

MID 41: Oxygen Sensor Heater Monitor Bank 1 - Sensor 1
MID 42: Oxygen Sensor Heater Monitor Bank 1 - Sensor 2
MID 43: Oxygen Sensor Heater Monitor Bank 1 - Sensor 3
MID 44: Oxygen Sensor Heater Monitor Bank 1 - Sensor 4
MID 45: Oxygen Sensor Heater Monitor Bank 2 - Sensor 1
MID 46: Oxygen Sensor Heater Monitor Bank 2 - Sensor 2
MID 47: Oxygen Sensor Heater Monitor Bank 2 - Sensor 3
MID 48: Oxygen Sensor Heater Monitor Bank 2 - Sensor 4
MID 49: Oxygen Sensor Heater Monitor Bank 3 - Sensor 1
MID 4A: Oxygen Sensor Heater Monitor Bank 3 - Sensor 2
MID 4B: Oxygen Sensor Heater Monitor Bank 3 - Sensor 3
MID 4C: Oxygen Sensor Heater Monitor Bank 3 - Sensor 4
MID 4D: Oxygen Sensor Heater Monitor Bank 4 - Sensor 1
MID 4E: Oxygen Sensor Heater Monitor Bank 4 - Sensor 2
MID 4F: Oxygen Sensor Heater Monitor Bank 4 - Sensor 3
MID 50: Oxygen Sensor Heater Monitor Bank 4 - Sensor 4
MID 61: Heated Catalyst Monitor Bank 1
MID 62: Heated Catalyst Monitor Bank 2
MID 63: Heated Catalyst Monitor Bank 3
MID 64: Heated Catalyst Monitor Bank 4
MID 71: Secondary Air Monitor 1
MID 72: Secondary Air Monitor 2
MID 73: Secondary Air Monitor 3
MID 74: Secondary Air Monitor 4
MID 81: Fuel System Monitor Bank 1
MID 82: Fuel System Monitor Bank 2
MID 83: Fuel System Monitor Bank 3
MID 84: Fuel System Monitor Bank 4
MID AE~FF: manufacture specified tests