Module 36 Oxygen (O2) Sensor Monitor

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PGMFI Training Modules

- The PGMFI System Overview—Part 1
- The PGMFI System Overview—Part 2
- PGMFI Flash Type DTCs
- Inputs / Outputs—Part 1
- Inputs / Outputs—Part 2
- Engine Control Module
- Air Flow / MAP Sensor—Base Inj Pulse Width
- Fuel Delivery System
- Closed Loop Strategies—Theory
- Closed Loop Strategies—Case Studies
- Thermistor Inputs
- Throttle Position Sensor
- EGR Valve Lift Sensor
- MAP / BARO Sensor
- Ignition Inputs
- Vehicle Speed Sensor
- Oxygen Sensor
- Lean Air Fuel Sensor
- Miscellaneous Input Signals
- Fuel Injectors—Multi-Port Injection
- Fuel Injectors—Dual Point Injection
- Ignition System—Outputs
- Idle Air Control Valve

OBD-II Training Modules

- On Board Diagnostics—General Overview
- Diagnostic Trouble Codes
- MIL / Freeze Frame
- Scan Tool
- Scan Tool—Advanced
- Monitor Tests—Overview
- Comprehensive Component Monitor
- Catalyst Monitor
- EGR Monitor
- Evaporative Monitor
- Fuel System Monitor
- Misfire Monitor
- Oxygen Sensor Monitor
- Oxygen Sensor Heater Monitor
- "P" Codes

Miscellaneous Training Material

Glossary of Terms

36 Oxygen Sensor Monitor

Run:	Once-Per-Trip		
Enable Criteria:	 Start the engine and allow it to warm up Drive the vehicle at 40-55 mph for at least 2 minutes Reduce the speed to 35 mph and maintain this speed until the monitor runs. 		
DTC	A diagnostic trouble codes (DTC) generated from this monitor is stored on the first malfunction. All DTCs set from this monitor are standard priority within the freeze frame writing strategy. A freeze frame written by one of these DTCs can only be over written by a high priority DTC, not another standard priority DTC.		
MIL Info	Illumination The malfunction indicator light (MIL) is illuminated when the first malfunction is recorded. Extinguishing The MIL is extinguished after three trips without a malfunction reoccurring.		
General Info:			

DTCs Generated by the Oxygen Sensor Monitor				
OBD Code	MIL Flash	Trips	Description	
P0131	1	1	Primary HO2S Circuit - Low Voltage	
P0132	1	1	Primary HO2S Circuit - High Voltage	
P0133	61	2	Primary HO2S Circuit - Slow Response	
P1149	61	?	Primary HO2S Circuit - Range / Performance	
P1162	48	1	Primary HO2S Circuit - Malfunction	
P1163	61	2	Primary HO2S Circuit - Slow Response	
P1164	61	2	Primary HO2S Circuit - Range / Performance	
P1165	61	2	Primary HO2S Circuit - Range / Performance	
P1168	48	2	Primary HO2S LABEL - Low Input	
P1169	48	2	Primary HO2S LABEL - High Input	
P0137	63	1	Secondary HO2S Circuit - Low Voltage	
P0138	63	1	Secondary HO2S Circuit - High Voltage	
P0139	63	2	Secondary HO2S Circuit - Slow Response	