Module 36
Oxygen (O2) Sensor Monitor

Author: Grant Swaim

E-mail: sureseal@nr.infi.net

URL: www.tech2tech.net

Phone: (336) 632-9882

Fax: (336) 632-9688

Postal Address: Tech-2-Tech Website
PO Box 18443
Greensboro, NC 27419

Physical Address: 220-4 Swing Rd
Greensboro, NC 27409

Last Update: April 2000

Tech-2-Tech offers the following training modules in printed manual, CD-ROM, and on-line formats.

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:	1. Start the engine and allow it to warm up 2. Drive the vehicle at 40-55 mph for at least 2 minutes 3. 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