## UTAH COUNTY TECHNICAL BULLETIN
### November, 2013-1

I/M FOR CLEAN AIR
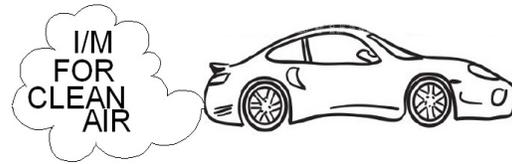
## THE MOST COMMON DTC's

By far, the most common DTC's we see are catalyst efficiency codes. In many cases the vehicle test history indicates the same code is present year after year. These vehicles pass their annual inspection because someone clears the code and "times" the reinspection before the catalyst monitor runs. This is not a proper procedure and obviously doesn't fix the catalytic converter problem.

The catalytic converter is the single most effective post-combustion emission control component on a vehicle. Therefore, replacing the defective catalytic converters on these cars is a very effective strategy for reducing vehicle exhaust emissions. *Read-on to learn how we're dealing with this issue.*

## SOFTWARE VERSION 1.45 RELEASE

ESP is finalizing software version 1.45 which should be released sometime around November 1st. Here are some highlights of the program changes made in this software version:

1. Fall daylight savings time changes will no longer set a lockout for gas calibration.

2. Vehicles that initially failed for a catalyst code (P0420-P0434) must show catalyst monitor readiness during reinspection. The catalyst monitor will not be permitted to be one of the allowable "not-ready" monitors during reinspection. The VIR readiness message will reflect this new requirement.

3. The vehicle model year entry will be validated by the 10th character of the VIN. An error message will be displayed if the model year entered does not match the VIN model year. The test may continue after the technician verifies the correct model year.

4. The GVWR entry will be compared to a previous test on the vehicle (when available). An error message will be displayed if the GVWR entry is different from previous tests. The test may continue after the technician verifies the correct GVWR.

5. The analyzer will return to the main inspection menu when a technician enters their access code and then no further keyboard activity is detected for 180 seconds.

6. On the inspector access code entry screen, the analyzer will indicate if OBDII only testing has been enabled in the station manager menu.

7. OBDII bypass code 201 will no longer be used on 1996 - 2004 CNG vehicles. If the correct "N" fuel type is entered during data entry a * hybrid OBD/TSI test will be performed on the vehicle.

8. 1996-2007 vehicles with GVWR > 8500 and 2008 and newer vehicle s with GVWR > 14,000 will now receive a * hybrid OBD/TSI test.

* Hybrid OBD/TSI tests will consist of a MIL bulb check, MIL command status check and DTC check. Readiness status will be collected but not used in determining overall Pass/Fail results.

## VIR SECOND PAGE

Technicians are required to provide the customer a VIR whenever an official test is requested, and performed. If a vehicle fails the inspection, a second page to the VIR is printed that describes waiver and warranty procedures. This second page **is** part of the VIR and **must** always be given to the motorist.

## PROPER EGR TAMPER INSPECTION

When performing the visual tampering inspection on a vehicle with an EGR valve type system you should be looking for the EGR valve and it's supporting components. This may include vacuum hoses, exhaust gas feed tubes and electrical connections. Some valves may be difficult to see but you are expected to make a "reasonable" effort to inspect the system for completeness. You may need to use your "best judgement" to determine tampering status on engines that have the EGR valve buried under major engine components as well as engines that use VVT for EGR.

## TENTATIVE CLASS SCHEDULE FOR 2014

The following is a tentative schedule for 2014 course dates. Classes will be limited to 10 students and may be canceled if less than 5 students are enrolled. Additional classes may be added if needed.

| | | |
|---|---|---|
| January 6-14 | February 3-11 | March 10-18 |
| April 14-22 | May 12-20 | June 16-24 |
| July 14-22 | August 11-19 | September 15-23 |
| October 13-21 | November 10, 12-19 | December 8-17 |

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### TECH TIP VE0063
#### Driving habit monitors

Most major insurance companies offer driver habit monitoring devices that plug into the OBDII connector. Although these devices do not disable or defeat the OBDII emission monitoring system they do have the ability to pull massive amounts of data from the vehicle and thereby change the priority of the monitoring. For example: If you have an aggressive driver, the device may place high priority on vehicle speed, acceleration rate, braking force, etc. and move catalyst monitoring to a lower priority.

If you notice one of these devices on a vehicle that you're having readiness issues with you may want to remove it and see what happens.

**NOTE:** We have seen first-hand with our PH2 Validator software that aggressive driving, by itself, may prevent emission monitors from running.

**2014 HOLIDAY SCHEDULE** *-office closures-*

The following list includes the 2014 holiday closures for the County office and the ESP call center. Certificates may be purchased online at www.ESP-Global.com 365 days a year.

| Office Closed | Holiday | Date | Day |
|---|---|---|---|
| County/ESP | New Year's Day | January 1 | Wednesday |
| County | Martin Luther King, Jr. Day | January 20 | Monday |
| County | Presidents' Day | February 17 | Monday |
| County/ESP | Memorial Day | May 26 | Monday |
| County/ESP | Independence Day | July 4 | Friday |
| County | Pioneer Day | July 24 | Thursday |
| County/ESP | Labor Day | September 1 | Monday |
| County | Veterans Day | November 11 | Tuesday |
| County/ESP | Thanksgiving Day | November 27 | Thursday |
| County | Day after Thanksgiving | November 28 | Friday |
| County/ESP | Christmas | December 25 | Thursday |

| Inspection Requirements - Gas Vehicles (effective January 1, 2014) | | | | | |
|---|---|---|---|---|---|
| **Renewal for 2013** | | | **Renewal for 2014** | | |
| **Vehicle Model Year** | **Safety Inspection** | **\* Emissions Inspection** | **Vehicle Model Year** | **Safety Inspection** | **\* Emissions Inspection** |
| 2013 | No | No | 2014 | No | No |
| 2012 | No | No | 2013 | No | No |
| 2011 | No | Yes | 2012 | No | Yes |
| 2010 | No | No | 2011 | No | No |
| 2009 | Yes | Yes | 2010 | Yes | Yes |
| 2008 | No | No | 2009 | No | No |
| 2007 | No | Yes | 2008 | No | Yes |
| 2006 | No | Yes | 2007 | No | Yes |
| 2005 | Yes | Yes | 2006 | Yes | Yes |
| 2004 | No | Yes | 2005 | No | Yes |
| 2003 and older | Yes | Yes | 2004 and older | Yes | Yes |

\* Vehicles 1967 and older are exempt from emission inspections.