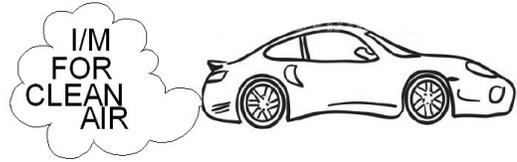


UTAH COUNTY TECHNICAL BULLETIN
October, 2011-4



DIESEL I/M

Although we have the political support to include diesel vehicles in the I/M program, we have encountered several insurmountable difficulties that will prevent us from implementing an effective light duty OBDII diesel segment to our current program. We will be reviewing our options while working with other state agencies to hopefully overcome these obstacles. Until further notice, the implementation of the diesel inspection portion to the Utah County I/M Program has been postponed.

FUTURE SOFTWARE UPDATES

The new ESP contract includes reasonable annual software updates at no cost to the stations. Station owners should not expect to pay for any updates throughout the life of the contract. The only situations where a station may need to pay for an equipment update during the contract period is if there were unforeseen federal or state mandates or vehicle technology changes within the contract period. These are not expected, but always possible.

ESP EQUIPMENT UPGRADE

If you haven't looked at ESP's upgrade website you can find it at www.ESP-Global.com/Utah . For stations wishing to make payments for the upgrade, the sooner you sign up, the lower your payments will be. ESP is offering zero interest for up to 4 months (depending on when you place your order). We plan to beta test the new system at several high volume stations throughout the county during the month of October and start the general rollout for the remaining stations in November.

CERTIFICATE PAPER SURPLUS

We will be allowing stations to return unused certificate paper until October 14, 2011. We will only accept clean, unopened and current format paper during a new certificate purchase. We will discount \$10.00, per package of paper returned, from your new certificate purchase amount. We are unable to give future credit or monetary refunds. Auditors are not allowed to accept certificate paper for return.

If you have excess paper inventory on hand, please estimate your usage through the middle of December. Then adjust your ordering habits accordingly, or make arrangements to return some.

WIRELESS INTERNET CONNECTION

ESP has requested that stations run a CAT5 cable with RJ45 connector to within 10 feet of their analyzer to insure functionality after the update. Quite a few stations have asked about connecting their upgraded analyzer to an existing wireless network rather than installing a hard wired RJ45 jack. This may be accomplished with a wireless ethernet bridge, sometimes referred to as a wireless gaming adapter. These adapters are readily available for less than \$100.00. ESP will be testing several models and we may include a list of known functional models in a future bulletin. There really shouldn't be any analyzer incompatibility issues with any of these devices because they are a stand-alone unit and do not require any drivers to be installed for the operating system.

VIN SEARCH AVAILABLE TO THE PUBLIC

We have recently added a VIN search function to our web page that allows anyone to see the historical test data for any vehicle tested in Utah County. Here is the link URL:

www.utahcountyonline.org/Dept/HealthEnvirAir/vehicleemissions/vinsearch.asp

The search results show the year and make of the vehicle that matches the VIN and the date of all tests on record (this can include tests performed as far back as 2000). Test results are displayed including any waiver the vehicle may have received. No vehicle owner or test station information is displayed.

If you, or someone you know, are considering buying a car it may be beneficial to check the emission test history of the vehicle to see if there have been any pattern emission failures in it's past or if the vehicle has already received a waiver. (once in a lifetime waivers start from 2012 on)

VIN MISMATCH WARNING

Your analyzer has been reading E VIN's for several years now and a report is generated for us indicating any VIN mismatches. When a mismatch occurs a review of the test is conducted and, if necessary, an investigation is initiated. We are happy to report that the vast majority of the reported mismatches are not a result of fraudulent testing. Some vehicles report garbage in the VIN field while other vehicles may have had a used computer install during a previous repair. The remaining mismatch's usually are a result of incorrect data being entered by the technician.

The new software will notify the technician if a VIN mismatch has been detected and both VIN's will be displayed on the screen. If you receive this message, check the VIN on the vehicle with the VIN entered during the test. If the numbers match, continue with the test. If the numbers do not match, abort the test and initiate a new test with the correct VIN. This warning screen will give a technician one last chance to correct a mistake before completing the test and printing an inaccurate certificate.

FYI: A VIN mismatch is not the only thing that sets off a red flag. ECU ID mismatch or incorrect PID counts are also looked at and with the new software all of the mode \$06 and mode \$09 data will be collected during each test.

TECH TIP # VE0055 **2007-8 Jeeps, bogus cat efficiency codes**

Some 2007-8 Jeep Cherokees and Commanders with the 5.7L engine may illuminate the MIL and log DTC P0420 and/or P0430. Jeep says the condition is limited to vehicles built before 1/8/08, and attributes it to electrical interference infiltrating the signal wire of the downstream oxygen sensor. Recalibrating the PCM with updated software is the only reliable fix. The new calibration installs an "electronic filter" that helps the module ignore the noise on the signal wire(s) from the sensor.

Analyzer upgrade # 1 FAQ's (Frequently Asked Questions)

Q. Do I have to get this upgrade done, is it mandatory?

A. If you wish to continue participating in the Utah County I/M program you must have your analyzer upgraded by January 1, 2012. Our current dialer system will be decommissioned and taken offline on January 1. The Utah2000 analyzers, in their current configuration, will be unable to communicate with the new VID system.

Q. Can I get a discount on the price of the upgrade if I keep using my current printer or monitor?

A. ESP is bound by their contractual agreement to provide an upgrade to all Utah County analyzers. This upgrade includes all items listed in the "terms and conditions" document. Stations will receive new printers and monitors included in the upgrade and these items, as well as other components, will be covered by a service agreement during the entire contract period.

Q. If I purchase certificates from the county now will they work in the analyzer after the upgrade has been performed ?

A. Yes, any certificates you have in your inventory before the upgrade will be transferred over and may be used after the upgrade.

Q. Will I be paying \$3.25 per certificate after the analyzer is upgraded?

A. No, the fee increase takes effect on January 1, 2012. Certificates purchased either from the county or ESP prior to that date will cost \$2.25. All certificates purchased after January 1 will be \$3.25 and any certificates that you have in your inventory at 12:01 a.m January 1 will be assessed a \$1.00 fee. This results in any certificate used after January 1 costing the same amount for all stations.

Q. Do I have to use a credit card when purchasing certificates from ESP, or are there other options?

A. In order for the automated 24/7 certificate purchase system to work, electronic payment must be used. However, ESP has indicated there will be an alternative method in place to accept check-by-phone ACH payment. To use this alternative method, you must call the ESP call center during normal business hours and speak to a real person.

Q. Will there be an inventory auto-replenish option for certificates?

A. ESP is working on this functionality but it will not be available until a later date. At that time, stations may choose to have their certificate inventory automatically replenished when it reaches a predetermined minimum level. If this option is chosen, stations will be able to select when and how many certificates are loaded.

Q. With the upgraded analyzer, how soon after ordering certificates can I expect to have them?

A. Either ordering them online or by phone it is expected to take no longer than 15 minutes for the financial control system to process your order and send them to your analyzer.

Q. Will ESP be offering a turn-key ethernet wireless option?

A. No, ESP will be installing an intel Pro 1000 GT PCI network card during the upgrade. Station owners will be responsible for installation, maintenance and repairs of any external wireless adapter.

Q. Will the zero air generator (ZAG) be removed from the analyzer during the upgrade?

A. No, ESP will gut the ZAG cabinet, change the lock and leave new keys. By doing this, it will provide stations additional storage for consumables and maintains the larger work space on top of the analyzer.