



I/M Update

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Pennsylvania Emissions Inspection Publication

GAS CAP & VISUAL TESTING ON 1975-1983 VEHICLES

Effective January 1, 2009, all 1975-1983 model year subject vehicles registered in the 4-county Pittsburgh and 5-county Philadelphia regions will require the visual and gas cap test.

REMINDER: *The software in the TSI & ASM equipment will incorrectly direct the inspector to perform a tailpipe test. The gas cap and visual test can only be performed on OBD II or visual equipment.*

2008 AND NEWER VEHICLES WITHOUT GAS CAPS

Ford Motor Company has introduced a capless fuel filler system called “Easy Fuel™” on certain 2008 model year vehicles. This system does not have a traditional gas cap.

To avoid confusion while conducting emissions inspections on these vehicles, PennDOT has released the following guideline. The gas cap testing section of all emissions inspections proceeds through a series of questions. Below are the answers that should be given for those questions when testing a vehicle equipped with the “Easy Fuel™” system.

- **Is the Gas Cap present? Answer: Yes**
- **Is the Gas Cap accessible? Answer: Yes**
- **Can the Gas Cap be removed? Answer: Yes**

Note: Since the design of the “gas cap” is all encompassing, the expected response would be NA (Non-Applicable). Because NA is not a choice the software supports, the technician should select Yes.

- **Does it fit a standard adapter? Answer: No**

The above responses will allow the vehicle to pass the Gas Cap portion of the emissions inspection. Any variance from these responses will result in a fail.

Additionally, Ford is releasing an optional locking fuel filler “plug”. This plug is not a cap, and you should not attempt to test it. However, it will need to be removed to confirm that the vehicle is equipped with the “Easy Fuel™” filler system.



**Call the Station
Operator Hot Line:
1-888-265-5909**

For answers or help with:

- Enrollment into the Emissions Program
- Network Connections & Operations
- Analyzer problems, user ID, password & system access
- VIID application problems
- VIID database problems
- Readiness Issues

**You or your customers
may call the Customer Hot
Line: 1-800-265-0921**

For answers or help with:

- Waivers
- Exemptions
- Complaints
- General program information

Drive Clean Website:

Visit us on the web at
www.drivecleanpa.state.pa.us



GAS CAP ADAPTERS

There are several new gas cap adapters available. Stations are required to have the most appropriate available adapter for any vehicle presented to them for testing.

Stations should contact their EM or any other retailer carrying the Stant / Waekon adapters or go to the Stant / Waekon websites for a complete listing.

READINESS

Stations need to make every effort to make a vehicle ready for testing. Stations must meet the following criteria before escalating a readiness issue to the station operator hotline:

- 1. Test the Vehicle as presented**
 - Do not “test” the vehicle with a scan tool or in the “training mode” of the analyzer. The vehicle must be tested in the official test mode for the result to be recorded.
- 2. Drive the Vehicle through specific Drive Cycles.**
 - Drive cycles are those driving conditions as specified by drive cycle manuals, drive cycle applications on the emissions analyzer or those obtained through the manufacturer.
 - It is recommended that stations complete the drive cycle, not the customer. Stations should be better able to verify that the drive cycles have been done completely and correctly.
 - It may be necessary to complete the specific drive cycle several times.
 - Driving a vehicle through everyday driving conditions may not be considered a specific drive cycle nor are the sample drive cycles in the Emissions Inspection and Recertification manuals.
- 3. Prior to an OBD test, avoid clearing codes and resetting readiness monitors using a scan tool or disconnecting the battery.**

REGISTRATION CARD MIX UP DURING TESTING

It is important for technicians to be sure they are using the correct registration card for the vehicle that they are testing. Questions regarding a registration card mix up during testing should be immediately reported to the Station Operator Hotline at: 1-888-265-5909 for an escalation. You will then be contacted by a member of the Pennsylvania Emissions Team for further instructions.

MV-427's / MV-516's / MV-443's

Keep MV-427's (Station Appointment Certificate), MV-516 (Emission technician list) and MV-443 (Safety technician list) up to date and posted in a prominent place where the public can see them. Forms should not contain any personally identifiable numbers (driver's license, etc). You may download an electronic version of the MV-443 & MV-516 by going to the links below:

- http://www.dot4.state.pa.us/pdotforms/mv_forms/mv-443.pdf
- http://www.dot4.state.pa.us/pdotforms/mv_forms/mv-516.pdf

ADDING & DELETING TECHNICIANS FROM THE ANALYZER

When adding inspectors to your emissions analyzer, you must fax the following documents to your regional office:

1. A cover sheet clearly indicating:
 - Your station name
 - Your station number
 - Your contact name
 - Your contact number
2. A photocopy of the Certified Emissions Inspector's License for each inspector being added.
3. A photocopy of the Certified Inspector's Driver's License for each inspector being added.
4. A photocopy of the updated emission technician list or MV-516 that lists all Certified Inspector(s).

When deleting inspectors from your emissions analyzer, you must fax a photocopy of the updated emission technician list or MV-516 and clearly note which inspector is to be removed.

Once you have completed these steps, wait until the end of the day and perform a Data File Refresh (DFR) on your analyzer. This will update your inspectors.

Philadelphia Regional Office Fax #: 215-793-1061

Counties: Lehigh, Northampton, Bucks, Chester, Delaware, Montgomery, Philadelphia

Harrisburg Regional Office Fax #: 717-565-7570

Counties: Cambria, Blair, Centre, Lycoming, Luzerne, Lackawanna, Berks, Cumberland, Dauphin, Lancaster, Lebanon, York

Pittsburgh Regional Office Fax #: 724-742-9555

Counties: Erie, Mercer, Allegheny, Beaver, Washington, Westmoreland

REPLACEMENT STICKERS

When issuing a replacement sticker, stations are required by regulations (both Safety & Emissions) to write "replacement" on the back of the sticker. We often receive questions about what mileage and/or date should be written on the sticker, in the MV-431/480/e-SAFETY application, or in the emissions analyzer. Below are the answers to those questions...

For Safety and Emission replacement stickers, write the original sticker's mileage and the original sticker's date on the back of the replacement sticker along with the word "replacement" (as indicated above).

In the MV-431/480 and e-SAFETY application, record the original sticker's mileage as the "old" odometer reading. Record the current odometer reading and current date for the day you are issuing the replacement sticker.

Note:

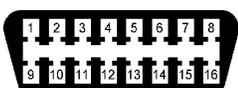
- **If using the e-SAFETY application, the current date will be automatically entered.**
- **If using the emissions analyzer, enter the current odometer reading for the day you are issuing the replacement sticker. The current date will be automatically entered by the analyzer.**

VEHICLE COMMUNICATION TIPS

The new OBD software is expected to communicate with 98% of the vehicles you test. This means there ought to be no more than 1 to 2 non-communicating vehicles out of every 100 tests.

Follow the Tips below to solve those Data Link Connector (DLC) no-comms:

- Verify your DLC cable is not damaged – clean or replace as necessary
- Verify the DLC Pins on the cable and vehicle connector are not bent, broken, or spread apart
- Verify you have a sufficient ground (Pins 4 & 5) and battery voltage (Pin 16) at the vehicles DLC



Remember, every time you connect to a vehicle's DLC, the analyzer will use up to five pins; two grounds (Pins 4 & 5), one battery voltage (Pin 16) and two additional pins used for communication (i.e.: Pins 6 & 14 are used for all Controller Area Network – CAN-equipped vehicles). So make sure the pins, on both the cable and vehicle, are not bent, broken, loose, or spread apart.



Pennsylvania Emissions Team
Regional Office
401 Commerce Park Drive
Cranberry Township, PA 16066

Routing Slip

Circulate to:

- Shop Foreman
- Service Manager
- Service Advisor
- Emissions Inspector
- Technician

STOP HANDWRITING YOUR MV-431 & MV-480 INSPECTION REPORTS TODAY!



**ENROLL IN PENNDOT'S e-SAFETY PROGRAM AND START ENTERING YOUR
MV-431 & MV-480 SAFETY INSPECTION DATA TODAY!**

**FOR MORE INFO ON THE BENEFITS OF e-SAFETY
OR TO ENROLL VISIT e-SAFETY:**

<https://esafety.appsolgrp.com>
