



Service Bulletin

PRELIMINARY INFORMATION

Subject: Malfunction Indicator Lamp (MIL) Illuminated, DTC P0455 Set

Models: 2013 Cadillac XTS

Condition/Concern

Some customers may comment that the malfunction indicator lamp is illuminated. During diagnosis, technicians may find DTC P0455 set. This condition may be caused by over filling (topping off) the fuel tank or by filling the fuel tank using a damaged service station fuel fill nozzle.

Recommendation/Instructions

Use the following steps to diagnose and repair the condition.

Important: If Special Tool CH-44284-2 Fuel Flapper Door Holder is not available at your repair facility, it should be procured. Meanwhile, DO NOT use a screwdriver or other such tool as a substitute, as the fuel flapper doors or seals may be damaged. The capless funnel adapter (provided with the vehicle and located under the carpet in the trunk) may be used as a substitute.

1. Follow published SI diagnostics for DTC 0455 thoroughly, completing all steps required until the cause is found, and repair the vehicle as necessary.
2. If the purge solenoid is found to be sticking, replace the purge solenoid and the evaporative emission canister.

Important: It is extremely important to blow out ALL EVAP system related lines including the line running between the purge solenoid and EVAP canister. Failure to clean out ALL lines may result in the DTC resetting or returning with a repeat concern. Blow out all EVAP system lines with compressed air (Max 34 kPa (5 psi) pressure) to ensure they are dry, prior to reassembling the system.

3. Blow out all EVAP system lines with compressed air (Max 34 kPa (5 psi) pressure) to ensure they are dry, prior to reassembling the system.
4. Replace the canister purge solenoid valve. Refer to Evaporative Emission Canister Purge Solenoid Valve Replacement in SI.
5. Replace the evaporative emission canister. Refer to Evaporative Emission Canister Replacement in SI.

Parts Information

Part Number	Description
12610560	Valve Asm - Evaporative Emission Canister Purge
23116138	Canister Asm – Evaporative Emission

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
L9733*	Diagnose, Install Evaporative Emission Canister Purge Solenoid Valve, Purge Emission Lines and Inspect/Replace Evaporative Emission Canister	2.1 hrs
Add	For All Wheel Drive	0.4 hr

*This is a unique labor operation for bulletin use only. It will not be published in the Labor Time Guide.

Customer Information

Please communicate to the customer that over filling the fuel tank may lead to a repeat concern. The filling nozzle must be fully inserted into the fill pipe and latched on the fill nozzle "spring" prior to starting fuel flow. After initial shutoff, DO NOT partially remove the nozzle to add more fuel, as this can result in fuel spillage and can cause concerns with the vehicle's EVAP system.

Please share this information with the customer, including giving the customer a copy of this message.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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