



Service Bulletin

File in Section: -

Bulletin No.: PIP4891D

Date: March, 2012

PRELIMINARY INFORMATION

Subject: (EREV) MIL DTC P0497

Models: 2011 - 2012 Chevrolet Volt

This PI was superseded to update model and model years. Please discard PIP4891C.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern:

Customer may comment of a service engine soon light coming on. During diagnosis technicians may find DTC P0497 stored. This condition may be caused by over filling of the fuel tank, and a large temperature, change 20 degrees (F) or more (11 degrees C) over about a two day time period.

Ask the customer how long between the last refuel event compared to when the MIL appeared to help isolate the cause of the concern.

Recommendation/Instructions:

Follow published SI diagnostics and repair the vehicle as necessary. Check all EVAP components i.e. canister, vacuum pump and solenoids, replace any component that is saturated with liquid fuel. Blow out all EVAP system lines with compressed air to ensure they are dry prior to reassembling the system. Make sure the customer is aware that over filling the fuel tank may lead to a repeat concern. It is advised that after the filling station fuel pump has shut off during filling DO NOT force any more than three more pump "clicks" into the tank. Forcing excessive fuel into the tank can cause concerns with the vehicles EVAP system.

Important: NOTE 1: 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.

Important: NOTE 2: The fuel tank has a 9.3 gallon (35.2 Liter) capacity.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.