**Section 240.172 Evaporative System Integrity Test Standards**

Vehicles subject to evaporative system integrity testing shall fail the evaporative system integrity test if one of the following occurs:

a) Fuel Cap Pressure Decay Standards – While tested using the fuel cap pressure decay tester, the pressure decays by 6 inches of water or more during a 10 second period after being pressurized to 28 ±1 inches of water column;

b) Fuel Cap Leak Flow Test Standards – While tested using the fuel cap leak flow tester, the fuel cap leak flow rate exceeds 60 cc/min at a pressure of 30 ±1 inches of water column. Determination will be made by comparing the fuel cap's measured leak flow rate with the flow rate obtained from a calibrated master orifice with a National Institute of Standards and Technology traceable flow rate which will result in a pass/fail flow rate threshold of 60 cc/min of air at 30 ±1 inches of water column;

c) Visual Functional Test Standards – While tested using the visual functional test, an inspection of the fuel cap reveals one or more of the following:

1) a missing fuel cap;

2) a missing or damaged o-ring, gasket, or seal;

3) missing or damaged threads, flanges, prongs, or other parts used to secure the fuel cap to the fuel tank filler neck; and/or

4) cracks, holes, or other visible forms of tampering or damage.

(Source: Amended at 22 Ill. Reg. 13723, effective July 13, 1998)