

## 1 Scope of this Document

- 1.1 This document is intended **FOR INFORMATIONAL PURPOSES ONLY.**
- 1.2 This informational document is intended to augment the procedure in **TSB #02-06-04-037C.**
- 1.3 This modification was performed on a **2005 Chevrolet Silverado.** The information in this document should apply to all 2003-2007 General Motor Full Size C/K Pick-up trucks.

## 2 Kit and Parts Detail

- 2.1 The new design kit (**AC Delco Part Number 214-2082**) includes a Vent Valve and a Filter Box Assembly (Refer to Figure 2.1-1).



Figure 2.1-1 -The AC Delco Part number 214-2082 Kit

- 2.2 Other Parts needed for this modification:

| Quantity    | Part                  |
|-------------|-----------------------|
| 10-15 ft    | 5/8" Bulk Heater Hose |
| 4           | 5/8" Hose clamps      |
| (As Needed) | 8-12" Tie Wraps       |

### 3 Other notes and information

- 3.1 EVAP Vent Solenoid electrical resistance for the new EVAP Vent Valve solenoid was 21Ω.
- 3.2 AC Delco Part Number 214-2082 is equivalent to GM Part Number 19152349.
- 3.3 The OEM EVAP Vent Valve Solenoid (on this vehicle) failed and caused a P0449 OBD Trouble Code to be set.

### 4 Removing the OEM EVAP Vent Valve

- 4.1 The Vent Valve is located on the fuel Tank (see Figure 4.1-1)

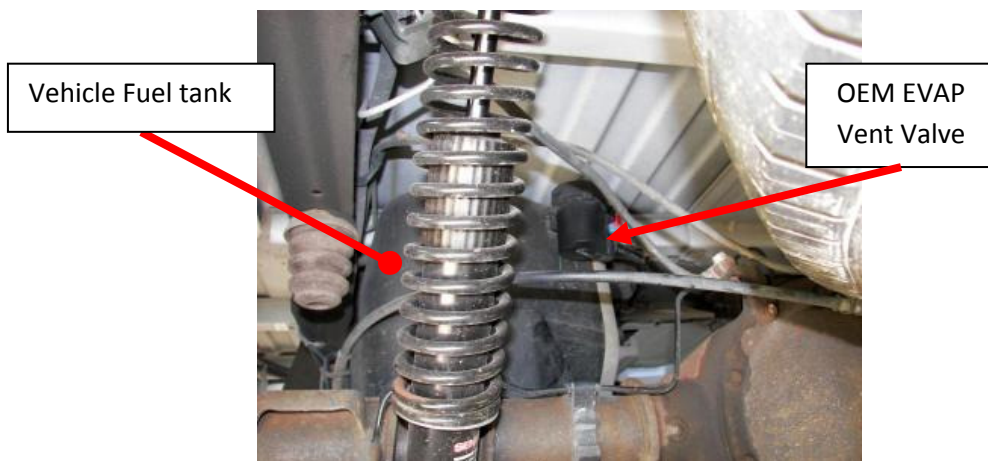


Figure 4.1-1 -OEM Vent Valve Location (Looking forward from the left side of the vehicle)

- 4.2 For clarity, the OEM Vent Valve Solenoid assembly is shown removed from the vehicle in Figure 4.2-1.

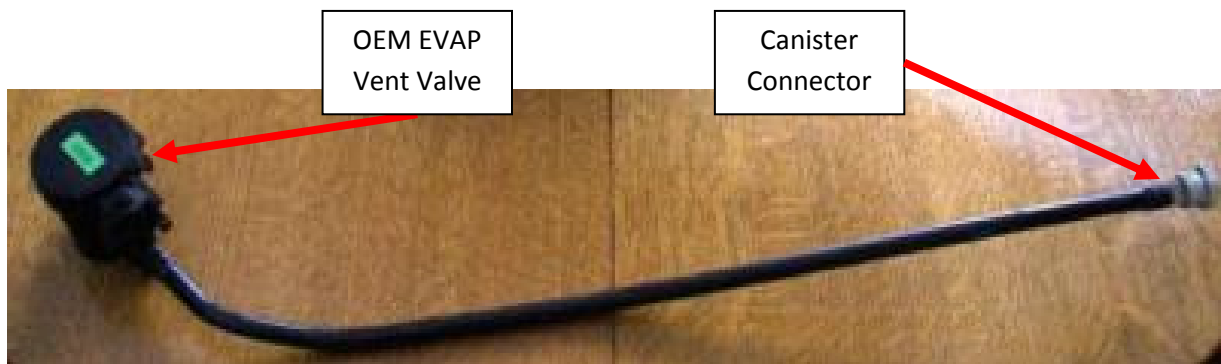


Figure 4.2-1 -OEM Vent Valve and tube assembly removed from vehicle

## 5 Installing the New Design Vent Valve Assembly

5.1 For clarity, the New Designed Vent Valve Solenoid assembly, after modification, is shown in Figure 5.1-1.

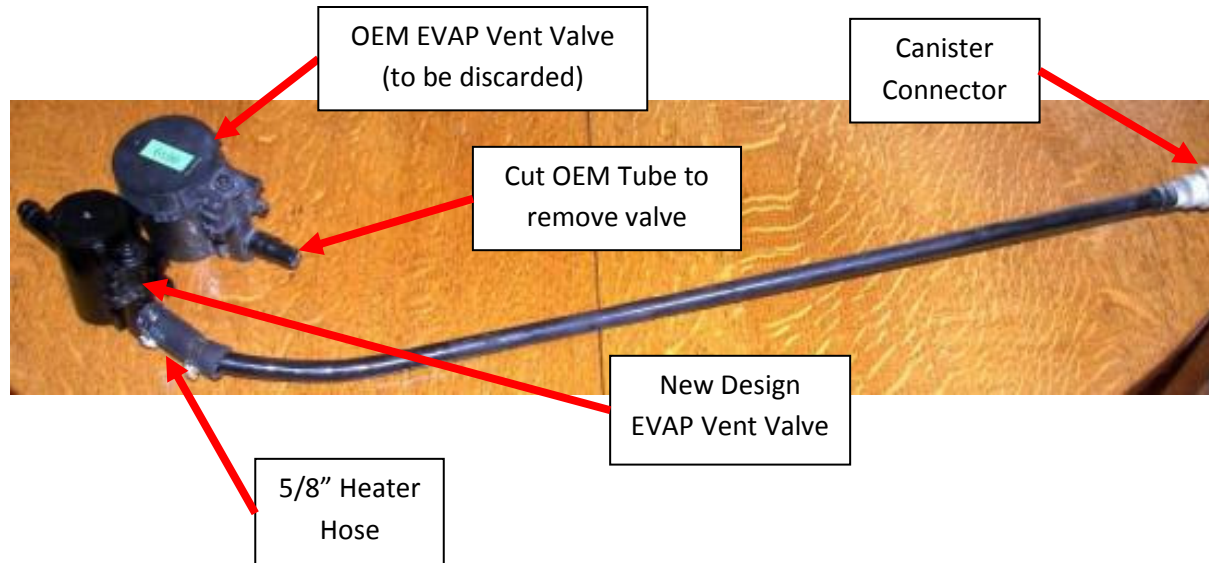


Figure 5.1-1 –New Design Vent Valve and tube assembly after modifications

5.2 The New Designed Vent Valve Solenoid assembly install on the vehicle in Figure 5.2-1.

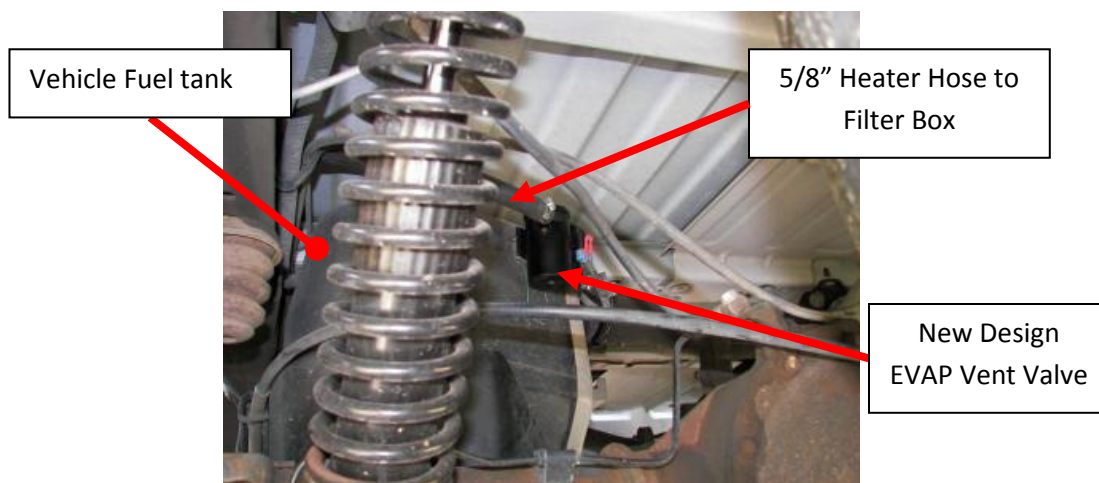


Figure 5.2-1 - New Design Vent Valve Location (Looking forward from the left side of the vehicle)

5.3 The Filter Box is shown install above the transmission in Figure 5.3-1

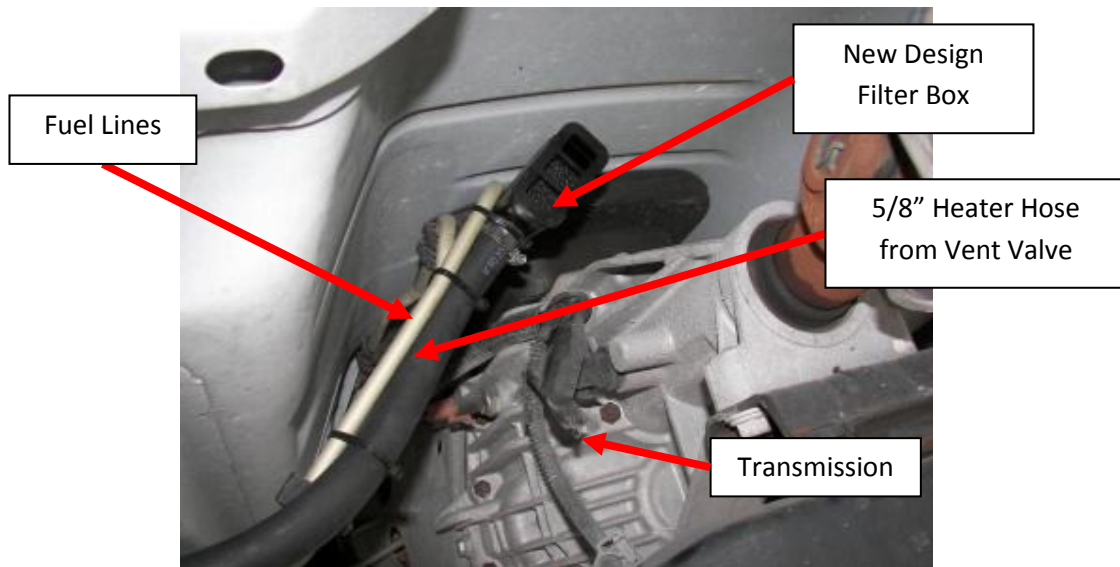


Figure 5.3-1 - New Filter Box Location (Looking forward from the left side of the vehicle)