Subject: Cruise Control Inoperative, Malfunction Indicator Lamp (MIL) Illuminated - DTCs P0097, P00F4, P0102 and/or P2199 Set

Brand: 
Chevrolet
Silverado 2017 2018
Silverado LD 2019 2019

GMC
Sierra 2017 2018
Sierra Limited 2019 2019

Engine: L83, L86

Involved Region or Country: North America, Middle East, Israel, Thailand and Chile

Condition:
Some customers may comment that:
• MIL is illuminated
• Cruise control inoperative
Some technicians may find one or more of the following DTCs set:
• P0097: Intake Air Temp (IAT) Sensor 2 Circuit Low Voltage in the Engine Control Module (ECM).
• P00F4: Intake Air Humidity Sensor Circuit Low Voltage in the ECM.
• P0102: Mass Air Flow (MAF) Sensor Circuit Low Frequency in the ECM.
• P2199: Intake Air Temp (IAT) Sensor 1-2 Not Plausible in the ECM.
Some technicians may also find fuse #43 open.
This condition may be caused by a short in circuit 5294 near the fuel composition sensor electrical connector.

⇒ Refer to Document ID: 4694347 in SI.
Correction

If the above condition has been validated, inspection of the engine wiring harness must be done at the fuel composition sensor (Flexible Fuel Sensor).

1. Raise the vehicle.
2. With a suitable light, inspect the wiring harness point of contact.
3. Repair the harness as needed.
⇒ Refer to Wire to Wire Repair in SI.
4. Using Woven Polyester Electrical Tape (PET), tape all the contact points of the engine harness ensuring that the tape is applied in a double layer.
⇒ If required, replace the blown fuse in regards to repair performed on the engine harness.

Parts Information
No parts are required for this repair.

Warranty Information
For vehicles repaired under warranty, use:

<table>
<thead>
<tr>
<th>Labor Operation</th>
<th>Description</th>
<th>Labor Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>5430902</td>
<td>Wire-to-Wire Repair</td>
<td>Use the Published Labor Operations Time</td>
</tr>
</tbody>
</table>

Version 2

Modified
Released June 28, 2018
Revised January 10, 2019 - Added 2019 K2’s to Model section.