Harsh 1-2 Decel Downshift, Harsh Downshifts Under Heavy Throttle, AFM Transition and Step In Clunk During Downshift

<table>
<thead>
<tr>
<th>Brand</th>
<th>Model:</th>
<th>Model Year:</th>
<th>VIN:</th>
<th>Engine:</th>
<th>Transmission:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>from</td>
<td>to</td>
<td>from</td>
<td>to</td>
</tr>
<tr>
<td>Cadillac</td>
<td>Escalade Models</td>
<td>2015</td>
<td>2016</td>
<td></td>
<td>L86</td>
</tr>
<tr>
<td>Chevrolet</td>
<td>Silverado</td>
<td>2015</td>
<td>2016</td>
<td></td>
<td>L86</td>
</tr>
<tr>
<td>GMC</td>
<td>Sierra Yukon Models</td>
<td>2015</td>
<td>2016</td>
<td></td>
<td>L86</td>
</tr>
</tbody>
</table>

Involved Region or Country: North America and N.A. Export Regions

Additional Options (RPO): Equipped with 8L90 Automatic Transmission and 6.2L Engine (RPO L86)

Condition:

- Harsh 1-2 upshift (except for the first 1-2 upshift of the day)
- Harsh 3-1 downshift when de-accelerating to a stop
- Harsh downshift under heavy throttle apply
- Active Fuel Management (AFM) V4 to V8 transition harshness
- Coast down downshifts

Correction:

New ECM and TCM software has been developed to improve the conditions described above.

Important: Installation of this new TCM software will require that a Service Fast Learn (SFL) be performed. Performing the SFL will reset all the shift adapts. The transmission may exhibit poor shift quality until the clutch values are learned. Do NOT install the new ECM and TCM software if the customer does not have the symptoms described above.

Important: The new ECM and TCM software will not improve the following conditions and should not be installed for any of the following conditions:

- Shift quality of the first 1-2 shift of the day
- Power-On lift foot upshifts (Heavy throttle application followed by a closed throttle application which results in a transmission up shift)
• Delayed/slow engagement (Refer to Bulletins 16-NA-014 and 16-NA-364)
• TCC Shudder (Refer to PIP5337 and Bulletin 16-NA-175)
• Engine or Chassis induced vibrations
• Fuel Economy

To program an existing K20/K71 Transmission Control Module, perform the following procedure.

1. Install EL-49642 SPS programming support tool.
2. Access the Service Programming System (SPS) and follow the on-screen instructions.
3. Perform one of the following SPS Programming functions:
   - K20/ K71 Engine and Transmission Control Modules and follow the on-screen instructions.
4. Perform the Vehicle Setup, follow the on screen instructions.
5. With a scan tool, clear DTCs from the K20 and K71 Transmission Control Module.
6. Ignition OFF for 2 minutes.
7. Perform Service Fast Learn (SFL) using GDS or SPS through the TIS2Web application.
8. After the installation of the calibration is complete the shift quality of the transmission should be evaluated. If necessary follow Bulletin 16-NA-019: Information on Transmission Adaptive Functions and Correcting Low Mileage Harsh Shifts, Slips, or Flares, to learn the clutches and improve shift quality.

Important: Bulletin 16-NA-019 should be followed for the 2015 and 2016 model years. Due to the installation of the new TCM software, Bulletin 14-07-30-001 should NOT be used on the 2015 model year vehicles as it will not allow for proper clutch learning.

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>8480578*</td>
<td>Sequential ECM / TCM Reprogramming and Transmission Service Fast Learn</td>
<td>2.7 hrs</td>
</tr>
</tbody>
</table>

*This is a unique Labor Operation for Bulletin use only.

Version 2

Modified Jan. 20, 2017 – Updated Warranty Information.

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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