



Service Bulletin

TECHNICAL

Subject: Engine Runs Rough, Hesitates, Hard to Start, Stalls and/or DTCs P0010, P0013, P0011, P0014 Present

| Brand: | Model: | Model Year: | | VIN: | | Engine: | Transmission: |
|-----------|---------|-------------|------|------|----|------------|---------------|
| | | from | to | from | to | | |
| Chevrolet | Equinox | 2010 | 2012 | | | LAF or LEA | All |
| GMC | Terrain | 2010 | 2012 | | | | All |

| | |
|-----------------------------------|---|
| Involved Region or Country | North America and U.A.E |
| Additional Options (RPOs) | Equipped with 4 Cylinder Engine (LAF or LEA) |
| Condition | Some customers may comment that the engine runs rough, hesitates, hard to start, and or stalls. During diagnosis a technician may find DTCs P0010, P0013, P0011, P0014 set or stored. |
| Cause | This may be due to camshaft position actuator failure. |
| Correction | Replace both camshaft position actuator solenoid valves. Verify the ECM has the most up-to-date software and calibrations installed. |

Parts Information

| Description | Part Number | Qty |
|------------------------------------|-------------|-----|
| VALVE ASM-CM/SHF POSN ACTR INT SOL | 12655420 | 1 |
| VALVE ASM-CM/SHF POSN ACTR EXH SOL | 12655421 | 1 |

Warranty Information

For vehicles repaired under warranty, use:

| Labor Operation | Description | Labor Time |
|-----------------|---|------------------------------------|
| 4020140 | Camshaft Position Actuator Solenoid Valve Replacement | Use Published Labor Operation Time |

Service Procedure

If you encounter a vehicle with the above concern, replace both the intake and exhaust camshaft position actuators. Refer to *Camshaft Position Actuator*

Solenoid Valve Replacement in SI.

Important: Once complete, verify the ECM has the most up-to-date software and calibrations installed.

| | |
|-----------------|---|
| Version | 1 |
| Modified | |

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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