



# Preliminary Information

PIT5562 (Inspect Ground Bolts) Multiple Electrical Issues Including Stall / Crank No Start / Lighting Issues / Memory And Power Seats / Power Windows Inoperative / Heated Cooled Seats / Trailing / ABS MIL / Stability Message

Product Investigation Review Required

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado	2017	Oct 18, 2016*	Oct 21, 2016*	All	All
GMC	Sierra	2017	Oct 18, 2016*	Oct 21, 2016*	All	All

\* Built at Ft. Wayne Assembly Plant (11th VIN Position "Z")

Involved Region or Country	North America
	<p>On a very small population of vehicles, some body and chassis ground bolts may not have the proper induction hardening completed. A ground bolt without the proper hardening may not properly clamp/secure the ground eyelet, causing a poor ground connection. The following body and chassis ground locations could be affected:</p> <ul style="list-style-type: none"><li>- G101</li><li>- G102</li><li>- G121</li><li>- G141</li><li>- G311</li><li>- G312</li><li>- G380</li><li>- G400</li><li>- Fuel Filler Neck Ground Strap</li></ul> <p>Depending on which ground location is affected, customers and technicians may notice different symptoms/DTC's. Below is a list of the common symptoms and DTC's that may set for each affected ground location.</p> <p><b>NOTE: Depending on the vehicle's options (RPO's) the symptoms and DTC's may vary. Also, depending on the grounds load, (how many components are operated) this may also cause the symptoms/DTC's to occur. Example, If G101 has a poor ground connection, each component on that ground may work properly if cycled on one at a time. If multiple components are cycled on all at the same time, such as the left turn signal, park lights, headlights, horn, etc., the symptoms/DTC's may begin to occur.</b></p> <ul style="list-style-type: none"><li>- G101</li></ul> <p>Windshield washer fluid level low message Left front turn signal malfunction message Left headlight inoperative High beam headlights inoperative Left mirror turn signal indicator stays on Left front turn signal inoperative Left front park lamp and/or daytime running lamps blinking/flickers Left rear turn signal flashing fast Horn inoperative BCM DTC's: B2575, B3948</p> <li>- G102</li> <p>Right front turn signal malfunction message Right headlight inoperative High beam headlights inoperative Right mirror turn signal indicator stays on Right front turn signal inoperative Right front park lamp and/or daytime running lamps blinking/flickers Right rear turn signal flashing fast</p>

Condition

ECM DTC: U1510  
BCM DTC: B2699, B3949

- G121

Service Stabilitrak Message  
ABS lamp on  
No Communication with the EBCM  
Engine stall  
Crank no start  
Reverse lights inoperative  
ECM: P12A6  
TCM: U0121  
BCM: U0121  
Aux Chassis Control Module: U0121, U415  
Power Steering Control Module: U1833, U0415, U0121  
Park Assist Module: U0422  
Front View Camera: U0121, U0100, B1011

- G141

This is the main chassis ground from the battery. Any of the symptoms listed for chassis ground locations G101, G102, G121, and G400 could be caused by a poor connection at this ground.

- G311

Driver's Power Seat inoperative  
Left Power Windows inoperative  
Left Power Folding Mirror inoperative  
Memory Seat functions inoperative  
Left Heated and/or cooled seat inoperative  
Memory Seat Module: B2355, B2365, B2375, B1825, U0140, U0155  
BCM: U1534, U1538, U1548  
IPC: U0140, U0151, U0159, U026A  
Serial Data Gateway Module: U0078  
SDM: U0140  
PPS Module: U0140, U0155, U0151  
Radio: U0140, U0164  
VCIM: U140, U0151  
Park Assist Module: U0186, U0140, U0155, U0184  
Front Camera: U0140, U0151, U0198, U0184, U0155, U0208, B1011

- G312

Passenger Power Seat inoperative  
Right power windows inoperative  
Right Power Folding mirror inoperative  
Right heated and/or cooled seat inoperative  
Bench seat APO/power outlet inoperative  
BCM: U1524

- G380

Rear window defogger inoperative

- G400

Service Trailer Brake Message  
Trailer lighting inoperative  
Trailer brakes inoperative  
Left Rear Turn signal failure message  
No communication with the Aux Chassis Control Module  
Left turn signal fast flashing  
License Plate lights inoperative  
Reverse lights on dim  
When in Reverse, left reverse light is inoperative  
Cargo lights inoperative  
Aux Chassis Control Module:- P0562, C1113, C111B  
EBCM: U0137  
BCM: B3883

- Fuel Filler Neck Ground Strap

None

Cause	Poor ground connection(s) caused by ground bolts not achieving a proper clamp load.
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**Correction:**

Determine the suspect ground by the symptoms/DTC's listed above and inspect the ground by grasping the ground wire(s), near the eyelet, and carefully verify the eyelet does not rotate or is not loose.

- If no issue is found, then torque the ground bolt to 80 lb in (9 Nm).
- If the ground eyelet rotates or is loose on the ground bolt, replace the ground bolt with GM P/N 11588337 and torque to 80 lb in (9 Nm). While the ground bolt is removed, inspect the ground eyelet for any signs of arcing and repair as necessary.

If the applicable ground connection has been verified and the concern remains, please follow normal SI diagnostics for your symptoms/DTC's.

**Parts Information**

Description	Part Number	Qty
Bolt	11588337	As needed

**Warranty Information**

Labor Operation	Description	Labor Time
5430962	Ground Connection Repair	Use Published Time

**Version History**

Version	1
Modified	