



Service Bulletin

Bulletin No.: 18-NA-161

Date: March, 2022

TECHNICAL

Subject: Steering Jerks Or Kicks Back, Reduced Power Steering Assist, Engine Stall, No Start, Service Stabilitrak, IPC, Radio, HVAC Goes Blank, Various DTCs, Various Functions and Controls Inoperative, Various Lamps/Displays Dimming, Various Service System Messages Displayed, Various Operations Intermittent or Inadvertent

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:				
		from	to	from	to						
Cadillac	Escalade Models	2015	2020								
Chevrolet	Silverado 1500	2014	2014								
	Silverado	2015	2018								
	Silverado LD	2019	2019								
	Silverado 2500/3500	2015	2019								
	Suburban	2015	2020	-	-	-	-				
	Tahoe										
GMC	Sierra 1500	2014	2014								
	Sierra	2015	2018								
	Sierra Limited	2019	2019								
	Sierra 2500/3500	2015	2019								
	Yukon Models	2015	2020								

Involved Region or Country	North America, Europe, Russia, Middle East, Chile, Colombia, Ecuador, Paraguay, Peru, Japan, South Korea, China and Thailand.
Condition	<p>Important: For 2014 Vehicles please check VIN status per Safety recall 17276. Execute denoted action if VIN status is "open".</p> <p>Important: For 2015 Vehicles please check VIN status per Safety recall 18289. Execute denoted action if VIN status is "open".</p>
	<p>Note: If there are steering related complaints related to this bulletin, please review bulletin 17-NA-345, PIT5457 and 20-NA-113.</p> <p>Some customers may comment on one or more of the following conditions:</p> <p>Note: In addition to the Conditions listed, a loose or inoperative cable may present itself as (see below). If these are presented, use bulletin to see if it is either cable, a loose interface or if a cable is intermittently contacting something.</p> <ul style="list-style-type: none"> • Reduced or loss of power steering assist (only LD models equipped with electric power steering) • Steering wheel jerks or kicks back when turning • Service Stabilitrak message with warning chime • Engine stall • No Start • IPC going blank or inoperative • Radio/ICS going blank • HVAC going blank • HVAC setting reset, blows hot or button flicker • Hood ajar message and/or dome lamps flash when shifting into reverse • Alarm sounds when locking doors or door locks cycling

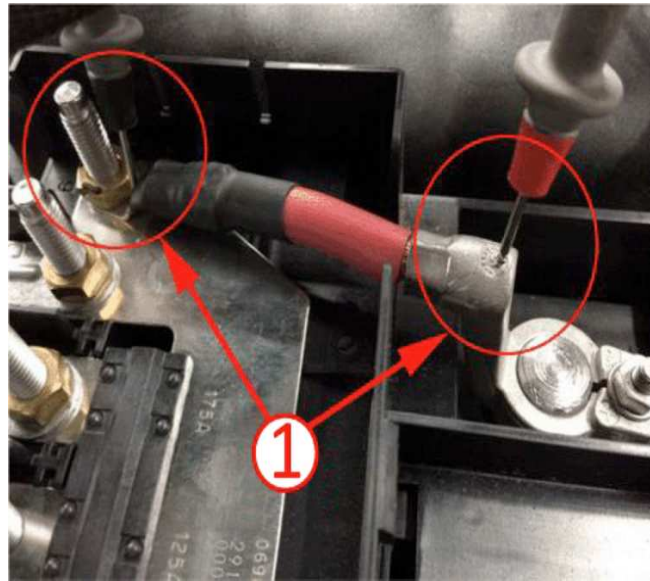
	<ul style="list-style-type: none"> • Wipers continue to run for a short time after turning off and then stop/park in the incorrect location • Horn operation without activation • Heated seats not warming • HUD display dimming • Memory seat loses pre-set • Power rear liftgate intermittent operation • Steering wheel controls inoperative • Interior dome lamp dimming • Outside temperature reading inoperative or inaccurate • Power Running Board intermittent operation • Service park assist message • Cruise or adaptive cruise control drop out or won't set • Window roll up/down message, intermittent operation, lock operation • Headlamp flicker or goes dim • Theft Deterrent DIC • Service trailer brake message • Door lock cycling while driving or locking after key-down • Service front or rear camera message • Service power steering message • Low system voltage or service battery message - not charging <p>Important: Record history and current codes from all modules before clearing to aid in diagnostics.</p> <p>Some technicians may find one or more of the following DTC's set:</p> <ul style="list-style-type: none"> • B1325, B124B, B124C, B127B, B127E, B1517, C0544, C0710, C0800, P0513, P0562, P0826, U0020, U0073, U0077, U0078, U0100, U0101, U0102, U0121, U0126, U0131, U0140, U0155, U0164, U0415, U0422, U0428, U0452, U1509, U150F and/or U15E1
<p>Note: The following causes listed below, may cause the battery to discharge.</p>	
<p>Cause 1</p>	<p>This condition may be caused by battery cables with high resistance and/or loose connections at the:</p> <ul style="list-style-type: none"> • Positive or negative battery cables • Battery fuse block
<p>Cause 2</p>	<p>This condition may be caused by a poor BCM ground at G218.</p>
<p>Cause 3</p>	<p>This condition may be caused by a shorted B+ Battery cable (3) at the Starter Solenoid caused by:</p> <ul style="list-style-type: none"> • A loose starter shield contacting the starter battery cable terminal ring. • A starter cable ring terminal that has been mis-installed and/or rotated when installed on the starter solenoid.
<p>Cause 4</p>	<p>This condition may be caused by a discharged or faulty battery.</p>

Note: If no loss of power component or interface is detected, consider changing out both the negative cable and BDU cable and torque appropriately

Important: The following steps must be completed in order. Grasping or attempting to rotate cables could affect readings and should be done **after** performing the voltage drop measurement.

Note: When checking voltage drop, the voltage drop should be performed with the fuel system disabled (or hold the accelerator WOT) and while cranking the engine. MIN/MAX on the Digital Multi Meter (DMM) should NOT be used. The voltage drop should be monitored at a STEADY crank.

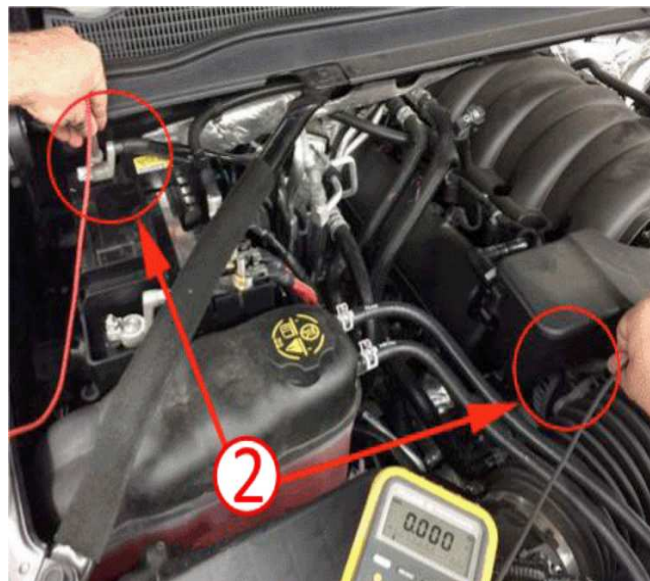
Inspect for any high resistance and/or loose connections at both the battery fuse block and the positive or negative battery cables.



5073675

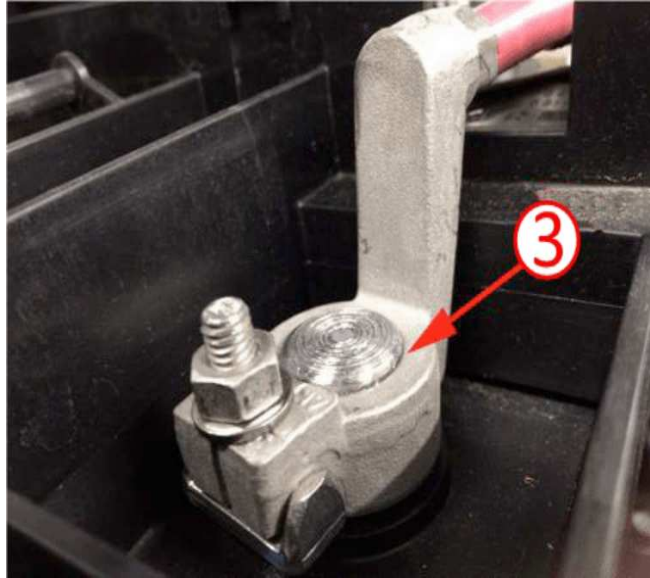
Correction 1

1. Perform a loaded voltage drop test on the short positive battery cable (1).
⇒ Refer to "Measuring Voltage Drop" in SI. If the voltage drop is above 100 mV, replace the affected cable(s).
 - For positive cable parts information, refer to the Parts Information section.



5073678

2. Perform a loaded voltage drop test on the negative battery cable (2).
- ⇒ Refer to “Measuring Voltage Drop” in SI. If the voltage drop is above 200 mV, replace the affected cable.
- For negative cable parts information, refer to the Electronic Parts Catalog (EPC).



5073701

- ⇒ It is imperative that both the positive and negative battery top posts protrude above the battery cable clamps 1-2 mm (0.040 - 0.080 in) to be properly installed, as shown (3).
3. Check both the positive and negative battery cable clamp nuts and make sure they are properly tightened to 7 Nm (62 lb in).
 4. After the positive and negative battery cables are fully installed and tightened to 7 Nm (62 lb in), grasp each battery cable near the battery post and make sure they are secure and that they do not spin on the post. If they spin, replace the battery cable.
 - For positive cable parts information, refer to the Parts Information section.
 - For negative cable parts information, refer to the Electronic Parts Catalog (EPC).
 5. Inspect the battery fuse block cable connections for being loose by grasping each cable near the eyelet and verify they do not rotate on their respective stud. Verify each nut is torqued properly to 15 Nm (11 ft lb).
 6. Inspect the negative battery cable where it connects to the engine block and make sure it is not loose by grasping the cable near the eyelet and verify it does not rotate. Verify the cable nut is torqued properly to 45 Nm (33 ft lb).

Correction 2

Note: If no loss of power component or interface is detected, consider changing out both the negative cable and BDU cable and torque appropriately

Inspect G218 (applies LD Trucks and SUVs built prior to June 2015):



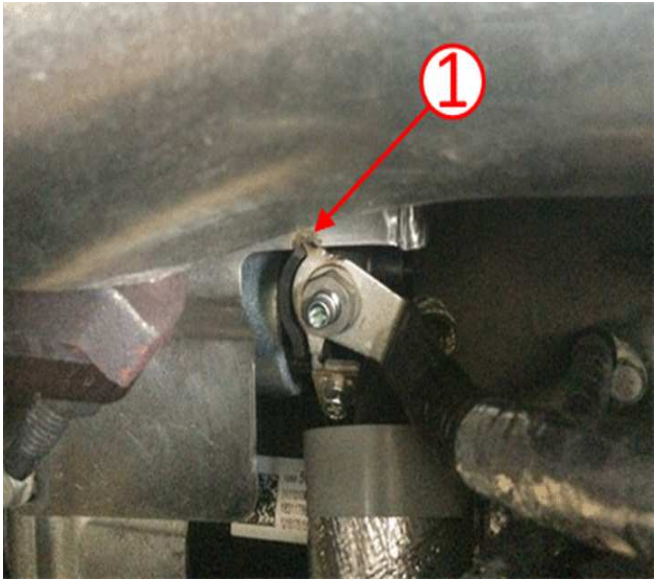
4166130

- Check for the nut being loose or cross threaded (1), repair and tighten as necessary.



4166131

- Check for the front of dash insulator mat (2) being trapped between the ground eyelet and the body/stud as shown.
⇒ If the dash insulator mat is trapped, cut the mat away from the ground stud so it will no longer interfere. Reinstall the ground eyelet, the nut, and retighten.

<p>Correction 3</p>	 <p style="text-align: right;">5073866</p> <p>Inspect the starter solenoid B+ battery cable for possible contact at the starter heat shield (1) or a loose shield resting on terminal.</p> <ul style="list-style-type: none"> ⇒ If the battery cable is shorting out on the starter heat shield, replace the B+ battery cable and starter heat shield. ⇒ After installing the new starter heat shield and B+ battery cable, ensure there is adequate clearance and each fastener is torqued properly so it will no longer short out.
<p>Correction 4</p>	<p>Perform the "Battery Inspection/Test" procedure in SI, using the GR8, and replace the battery if it fails the test.</p> <ul style="list-style-type: none"> ⇒ Technicians must attach the GR8 test print out with a Battery Replace decision, that includes the Warranty Code, to the repair order.

Parts Information

Use the VIN and refer to the GM Electronic Parts Catalog (EPC) to determine the proper part(s) to order for the Negative battery cable, Battery Distribution Unit (BDU) battery positive cable, Positive battery cable, and/or Auxiliary battery cables.

Warranty Information

The correction for this concern may be one of several repairs described above. For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the actual cause and repair.

<p>Version</p>	<p>6</p>
<p>Modified</p>	<p>Released May 17, 2018 Revised October 19, 2018 - Update to 2019 MY and update Correct 1 section. Revised October 11, 2019 - Added 2020 SUV Model Years. Revised September 23, 2020 - Added a NOTE to refer to 17-NA-345 in the Condition section. Revised June 23, 2021- Add two Important statements, Referenced PIT5457 and 20-NA-113 and Added Note for technician to record History and Current Codes in Condition section and Added Note to Replace Both Ground Cables in Correction 1 and 2 sections., Revised March 10, 2022 - Added 2015 – 2018 Model Years for Heavy Duty Pickups, Updated Subject and Condition Section, Removed Parts Table and Added Keywords.</p>

Additional Keywords: Stabilitrack, Stall, No-start or slow start, Loss of steering, Radio Blank, IPC Blank, Light dimming, Low voltage or not charging, B1325, B124B, B124C, B127B, B127E, B1517, C0544, C0710, C0800,

P0513, P0562, P0826, U0020, U0073, U0077, U0078, U0100, U0101, U0102, U0121, U0126, U0131, U0140, U0155, U0164, U0415, U0422, U0428, U0452, U1509, U150F and/or U15E1.

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.



WE SUPPORT VOLUNTARY
 TECHNICIAN
 CERTIFICATION