



Service Bulletin

Bulletin No.: 18-NA-365

Date: February, 2019

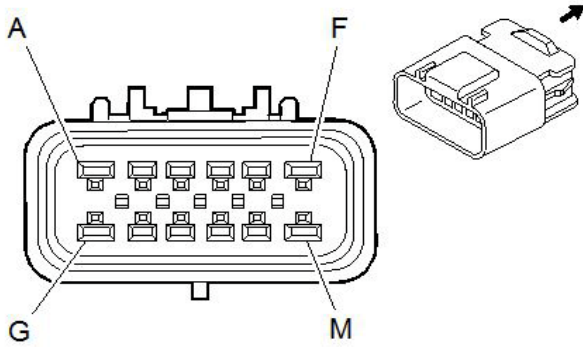
TECHNICAL

Subject: Stalling, Lack of Engine Performance, Fuel Range Displays Low Mileage When Fuel Gauge Displays Adequate Fuel, Malfunction Indicator Light (MIL) Illuminated - DTC P018B, P0461, P0462, P0463, P0464, P2066, P2067, P2068, P2635 Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Enclave	2017	2018			LFY, LGX	
Cadillac	XT5						
Chevrolet	Traverse						
GMC	Acadia						

Involved Region or Country	North America
Additional Options (RPOs)	F48 (AWD)
Condition	<p>Some customers may comment on one or more of the following concerns:</p> <ul style="list-style-type: none"> • Stalling • Lack of engine performance issues • Low Range/Mileage displayed when the fuel gauge is displaying adequate fuel • MIL illuminated <p>Some technicians may find one or more of the following DTC's set in the Engine Control Module (ECM):</p> <ul style="list-style-type: none"> • P018B: Fuel Pressure Sensor Performance • P2635: Fuel Pump Flow Performance • P0461: Fuel Level Sensor 1 Performance • P0462: Fuel Level Sensor 1 Circuit Low Voltage • P0463: Fuel Level Sensor 1 Circuit High Voltage • P0464: Fuel Level Sensor 1 Circuit Intermittent • P2066: Fuel Level Sensor 2 Performance • P2067: Fuel Level Sensor 2 Circuit Low Voltage • P2068: Fuel Level Sensor 2 Circuit High Voltage
Cause	<p>This condition may be caused by the primary in-tank fuel pump module transfer jet manifold partially or completely blocked port.</p> <p>⇒ The blockage of this jet port inhibits the suction to the fuel transfer line leading to inability to transfer fuel from Sub Side on AWD tanks.</p>
Correction	If any of the above conditions are present, refer to the service procedure below to validate the root cause.

Service Procedure



5182955

1. Check fuel level sensor resistance for both fuel level sensors at the x350 connector (Chassis Harness to Fuel Tank Harness). Refer to Document ID: 4733540 in SI.
 - If primary and secondary sensors are both at 250 ohms (Indicates that entire tank is empty and transfer of fuel is occurring), refer to Fuel Gauge Malfunction in SI (AWD).
 - If primary is at 250 ohms, and secondary is less than 250 ohms (indicates primary side empty, secondary side has fuel), proceed with procedure.

Warning: Fuel/gasoline vapors are highly flammable. A fire could occur if an ignition source is present. Never drain or store gasoline or diesel fuel in an open container, due to the possibility of fire or explosion. Have a dry chemical (Class B) fire extinguisher nearby.

2. Using care, lower the fuel tank leaving any remaining fuel on secondary side.
3. Loosen Secondary FLS assembly locking ring, verify transfer hose is connected to secondary sender base and FLS moves freely.

4. Check Primary FLS function and verify it sweeps freely with no interference.
 - ⇒ Both level sensor readings sweep from 40 - 250 ohms.

Important: If the primary fuel pump is found to be the cause of concern. **Only** replace the pump and not the fuel level sending sensor.

5. If there is fuel on the secondary side and there are no other concerns, replace the primary fuel pump module.
6. Confirm fuel level sensor resistance for both fuel level sensors at x350 connector (compare to the initial readings).
7. Install the fuel tank (that should still have fuel on the secondary side).
8. Add 1 gallon of fuel (will go to primary side).
9. Start the engine and run for short time to allow the primary fuel pump module transfer jet to pull the fuel from the secondary side.
10. Measure x350 fuel level sensor resistances.
11. Verify that the secondary fuel level sensor resistance goes to or towards approximately 250 ohms and primary fuel level sensor resistance should go down from 250 ohms toward 40 ohms.

Please provide measured resistances in Verbatim.

Parts Information

Causal Part	Description	Part Number	Qty
X	MODULE KIT, F/ TNK F/PMP (W/O FUEL LVL SEN)	84479081	1

Warranty Information

For vehicles repaired under the Emission coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4086688*	Fuel Pump Replacement	2.7 hr

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

Version	1
Modified	Released February 12, 2019

