INSTRUCTION, GPT LOW VOLTAGE SWITCH (LVS) INSTALLATION KIT
P/N 267494-01

LOW VOLTAGE SWITCH (LVS)
P/N 905291
QTY. 1

GROUND WIRE
(RED WIRE)
P/N 267473-01
QTY. 1

CABLE ASSEMBLY,
#4 GA, 10” LG.
P/N 250926-05
QTY. 1

LVS INSTRUCTION DECAL
P/N 265923-01
QTY. 1

LVS WIRE ASSEMBLY
(WHITE WIRE)
P/N 280547-01
QTY. 1

SHRINK TUBING,
1/4” x 1” LG, BLACK
P/N 250673
QTY. 1

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To prevent personal injury and equipment damage, make sure power is disconnected from Liftgate while installing electrical parts.

1. Remove nut from positive (+) battery terminal connector. Disconnect the Fused Power Cable (FIG. 2-1). Reinstall nut.

2. Open Pump Box Cover (FIG. 2-2) to gain access to wiring connected to Pump and Motor (FIG. 2-2).
3. Disconnect the Green Wire, Fused Power Cable, and White Wire from Starter Solenoid (FIG. 3-1) by removing 2 nuts and 2 lock washers. Also, remove Bus Bar by removing 2 hex nuts and 2 lock washers (FIG. 3-1). Keep all hex nuts and lock washers to reinstall.

4. Unbolt the 2 Solenoid Valve ground wires (FIG. 3-1).
5. Connect 4 Gauge Cable (Kit item) to Starter Solenoid and Motor as shown in FIG. 4-1. Next reconnect Green Wire and Fused Power Cable to Starter Solenoid (FIG. 4-1). Then connect LVS Device (Kit item) to Starter Solenoid as shown in FIG. 4-1. Torque the 4 hex nuts to 40 lbs.-in.

**NOTE:** For the Pump to operate correctly, the LVS & connecting wiring must be connected only as shown in FIG. 4-1. The Green Wire & Fused Power Cable are reconnected to a different Starter Solenoid terminal than the original connections. The 4 Guage Cable, that replaces original Bus Bar, is also connected to a different terminal on the Starter Solenoid.

**CAUTION:** To prevent damage to Motor and Starter Solenoid, torque the hex nuts on the electrical terminals to 40 lbs.-in.
6. Connect Red Wire (Kit item) to GRND terminal on the LVS Device (FIG 5-1). Then bolt the other end of Red Wire and the 2 Solenoid Valve ground wires to the Pump (FIG. 5-1).

7. Disconnect male bullet terminal from White Wire Assembly (FIG. 5-2). Cut off terminal lug from White Wire disconnected in Step 3. Strip 1/4” insulation from disconnected white wire and crimp male bullet terminal on stripped end of White Wire (FIG. 5-3). Slide Shrink Tubing over crimped portion of male bullet terminal as shown in (FIG. 5-4) and use heat gun to shrink it in place. Connect male bullet terminal on White Wire to White Wire Assembly (Kit Item) (FIG. 5-5).
8. Connect the 2 terminals lugs on White Wire Assembly (Kit item) to “SW IN” & “TD IN” terminals on the LVS Device as shown FIG. 6-1.

9. Make sure wiring is connected correctly (FIG. 6-2).
10. Attach decal to pump reservoir (FIG. 7-1).

11. Close Pump Box Cover (FIG. 7-2).

12. Remove nut from positive (+) battery terminal connector. Reconnect the Fused Power Cable to positive (+) battery terminal connector (FIG. 7-3). Reinstall and tighten nut.