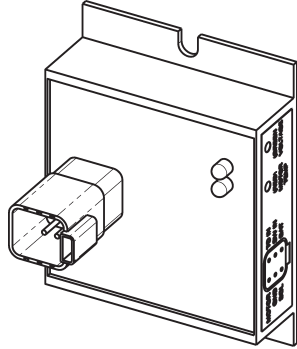
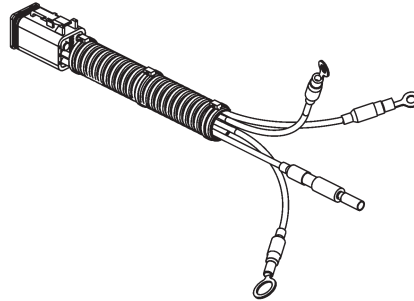


INSTRUCTION, LVTS KIT, GPSLR KIT P/N 286160-01



**LOW VOLTAGE THERMAL SWITCH
(LVTS MODULE)
P/N 906530-01
QTY. 1**



**LOW VOLTAGE THERMAL SWITCH
(LVTS) HARNESS
P/N 267924-01
QTY. 1**

MAXON
**LOW VOLTAGE / THERMAL
SWITCH (LVTS) INSTRUCTIONS**

The LVTS system protection device, located inside the pump box on this liftgate, is designed to stop the liftgate from operating when the temperature of the pump motor is too high or the battery voltage is too low for reliable operation. Please follow the instructions, below, if these conditions occur.

VOLTAGE LIGHT (GREEN)

ON-Liftgate functions are normal.
BLINKING RAPIDLY-Liftgate will shut down shortly.
BLINKING SLOWLY-Liftgate has shut down.
OFF-No power or LVTS is malfunctioning.

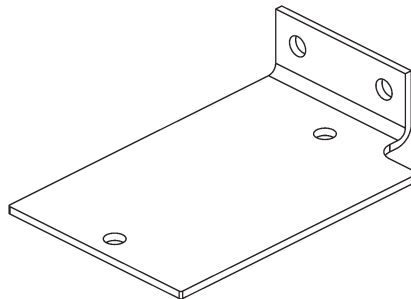
MANUAL OVERRIDE
 Rapidly toggle liftgate control switch to the up position and back to the center position 5 times to override shut down mode. This allows liftgate to operate for an additional cycle.

BATTERY VOLTAGE RESET
 LVTS resets when battery is above 13 volts. Start vehicle engine to recharge battery.

MOTOR TEMPERATURE LIGHT (RED)

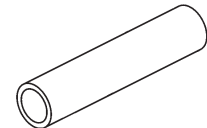
OFF-Motor Temperature is okay.
ON-Motor is overheated and has shut down. Temperature switch will reset automatically and red light will go out when the motor has cooled down.

PIN 264776-02

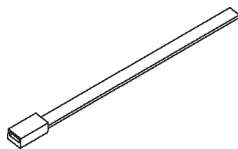


**DECAL, LVTS INSTRUCTION
P/N 264776-02
QTY. 1**

**LVTS MOUNTING BRACKET
P/N 286158-01
QTY. 1**



**HEAT-SHRINK TUBING
1/4" X 2" LG.
P/N 250673-01
QTY. 1**



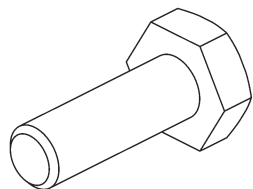
**PLASTIC TIE
7"
P/N 205780
QTY. 2**



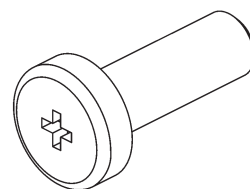
**LOCK NUT, NYLON
1/4"-20
P/N 901000
QTY. 4**



**FLAT WASHER
1/4"
P/N 902013-09
QTY. 4**

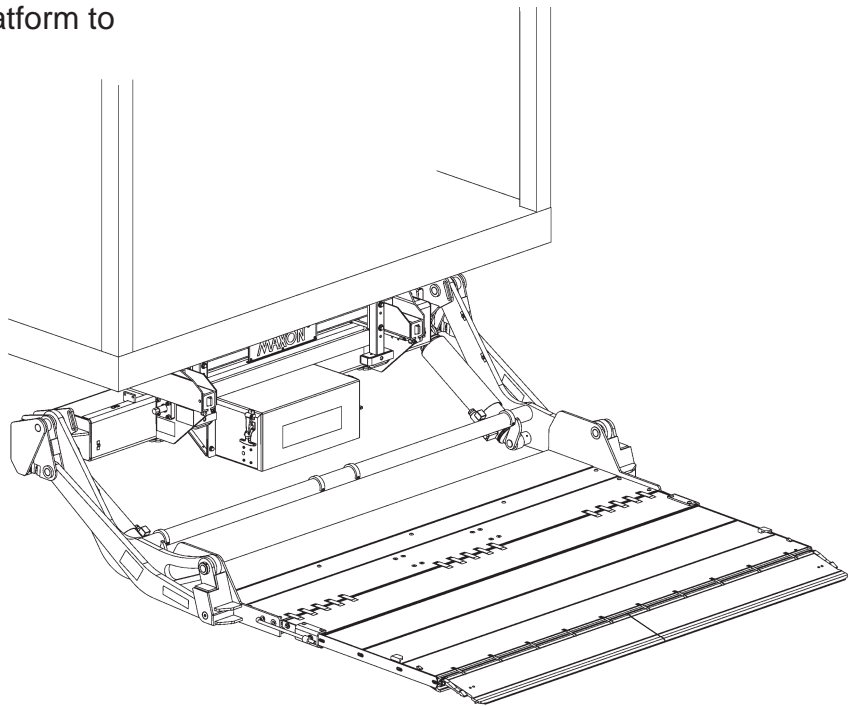


CAP SCREW
1/4"-20 X 3/4" LG, GR8
P/N 900004-2
QTY. 2



PAN HEAD SCREW
1/4"-20 X 3/4" LG.
P/N 900002-1
QTY. 2

1. Unfold platform and lower platform to the ground (**FIG. 3-1**).



PLATFORM AT GROUND LEVEL
FIG. 3-1

⚠ WARNING

Remove all rings, watches and jewelry before doing any electrical work.

⚠ WARNING

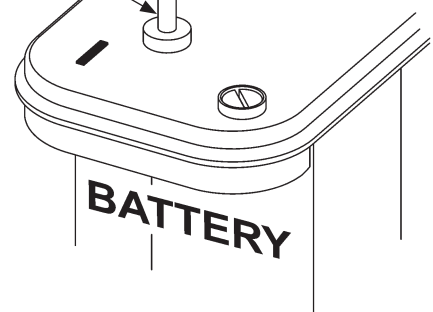
To prevent accidental personal injury and equipment damage, make sure power is disconnected from Liftgate while installing parts.

2. Remove nut from negative (-) stud on the battery (**FIG. 3-2**). Disconnect negative (-) battery cable from negative (-) stud (**FIG. 3-2**).

NEGATIVE (-)
BATTERY CABLE

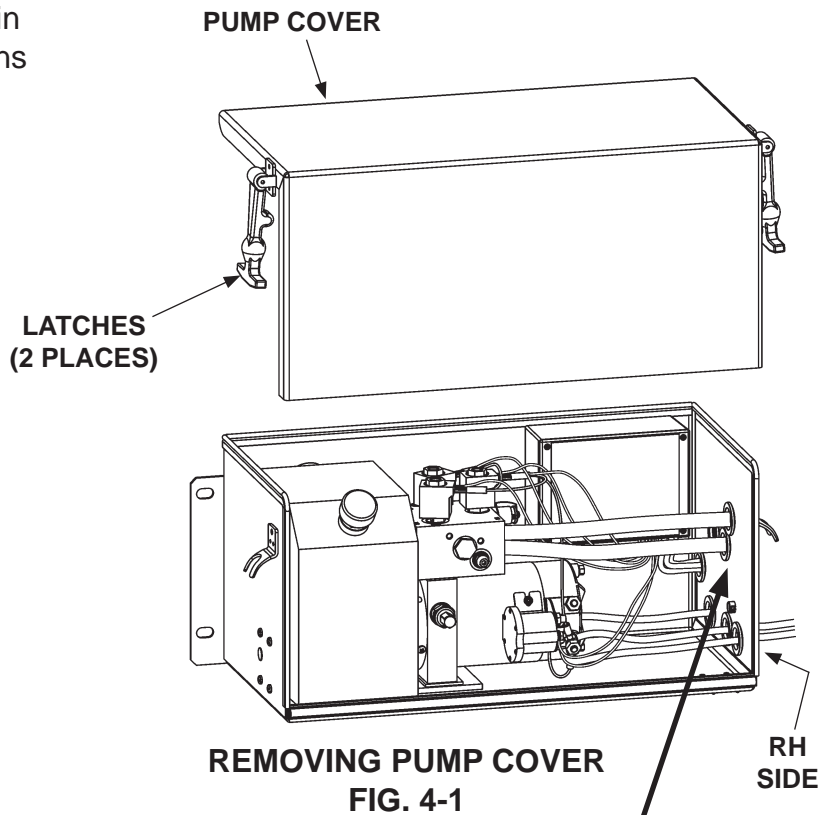
NUT

NEGATIVE (-)
STUD

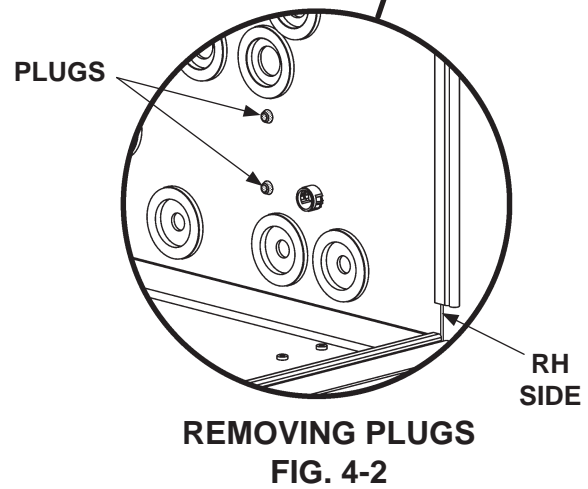


DISCONNECTING BATTERY
FIG. 3-2

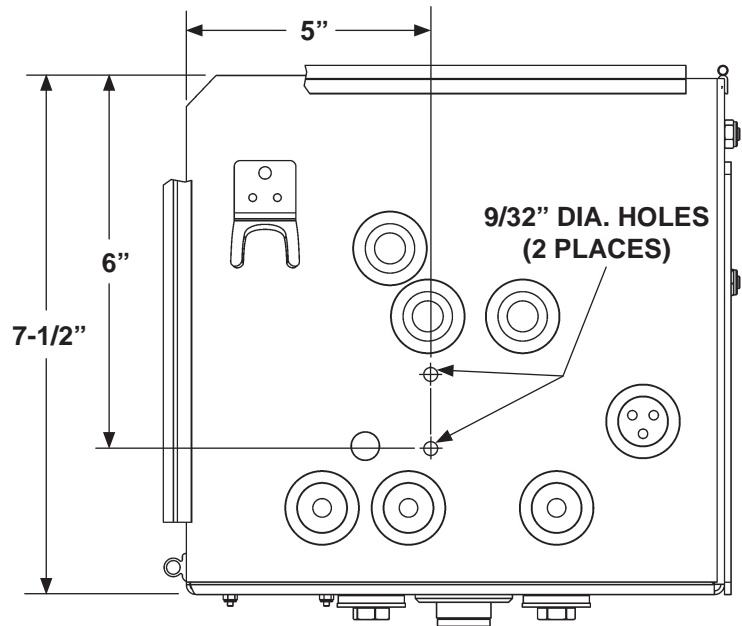
3. Remove pump cover to gain access to wiring connections (**FIG. 4-1**).



4. If equipped, remove plugs from holes (**FIG. 4-2**).

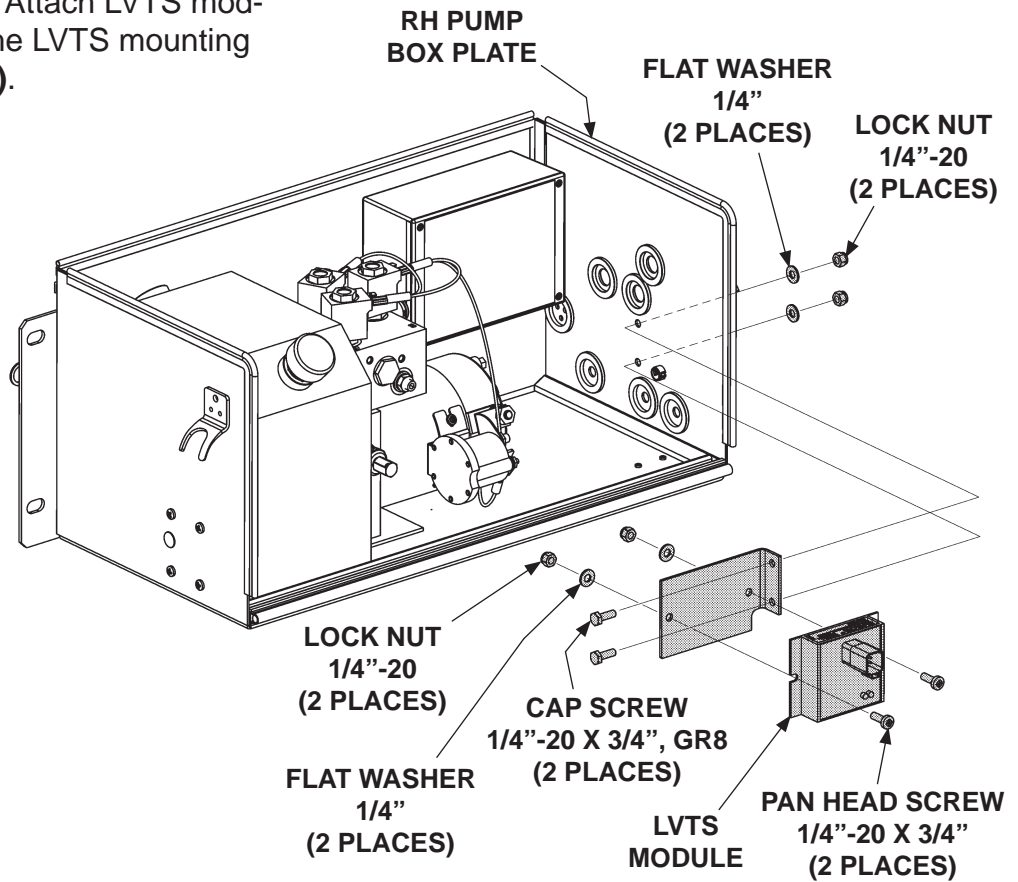


5. If not equipped with plugged holes, measure and mark two holes on pump mounting plate (**FIG. 5-1**). Drill two holes in pump mounting plate to mount the LVTS bracket (**FIG. 5-1**).



**DRILL HOLES IN PUMP BOX
(RH SIDE)
FIG. 5-1**

6. Attach LVTS mounting bracket, (Kit item) to RH pump box plate (FIG. 6-1). Then, Attach LVTS module (Kit item) to the LVTS mounting bracket (FIG. 6-1).



**ATTACH MOUNTING BRACKET AND LVTS
MODULE TO PUMP BOX
FIG. 6-1**

NOTE: MAXON recommends using dielectric grease on all electrical connections.

7. Connect LVTS harness (Kit item) to LVTS module (FIGS. 7-1 and 7-2).

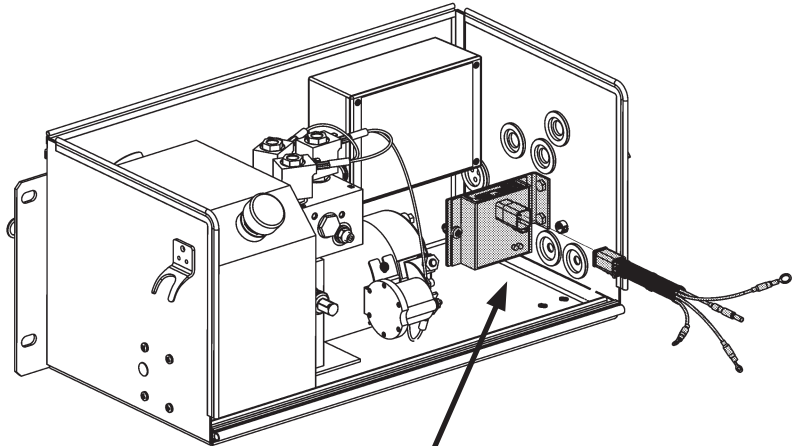
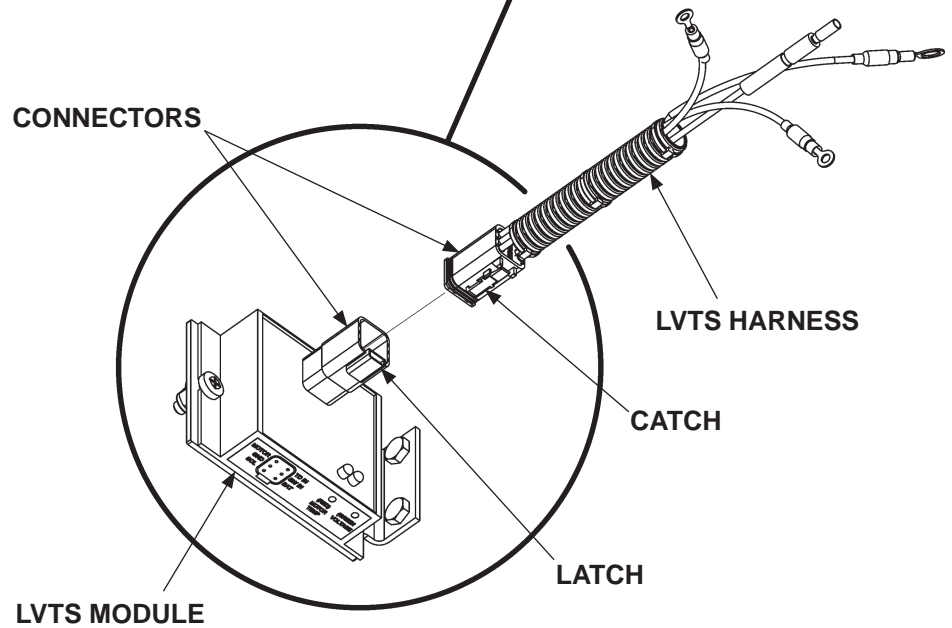


FIG. 7-1

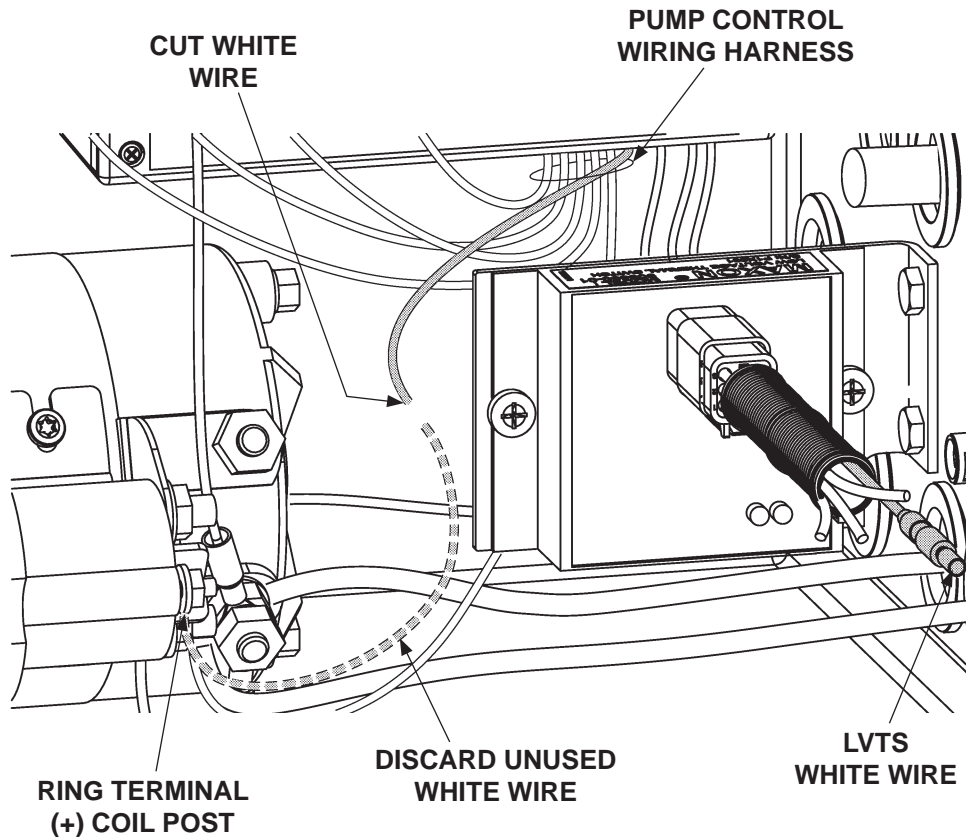


**CONNECTING LVTS HARNESS
TO LVTS MODULE
FIG. 7-2**

⚠ CAUTION

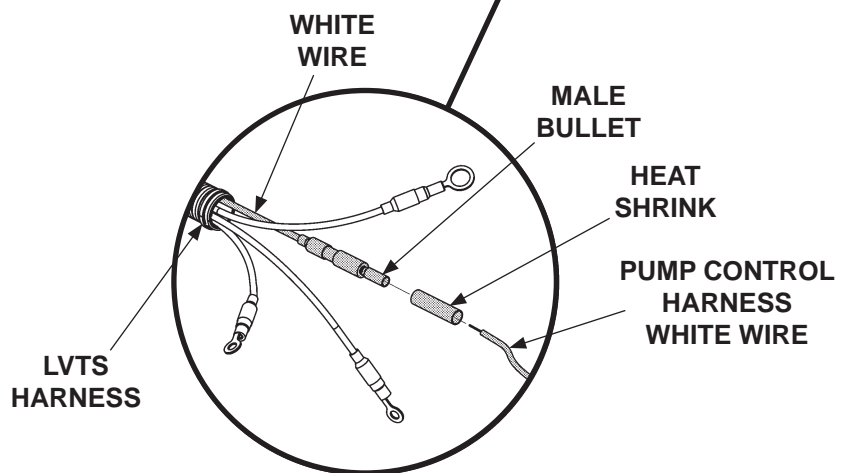
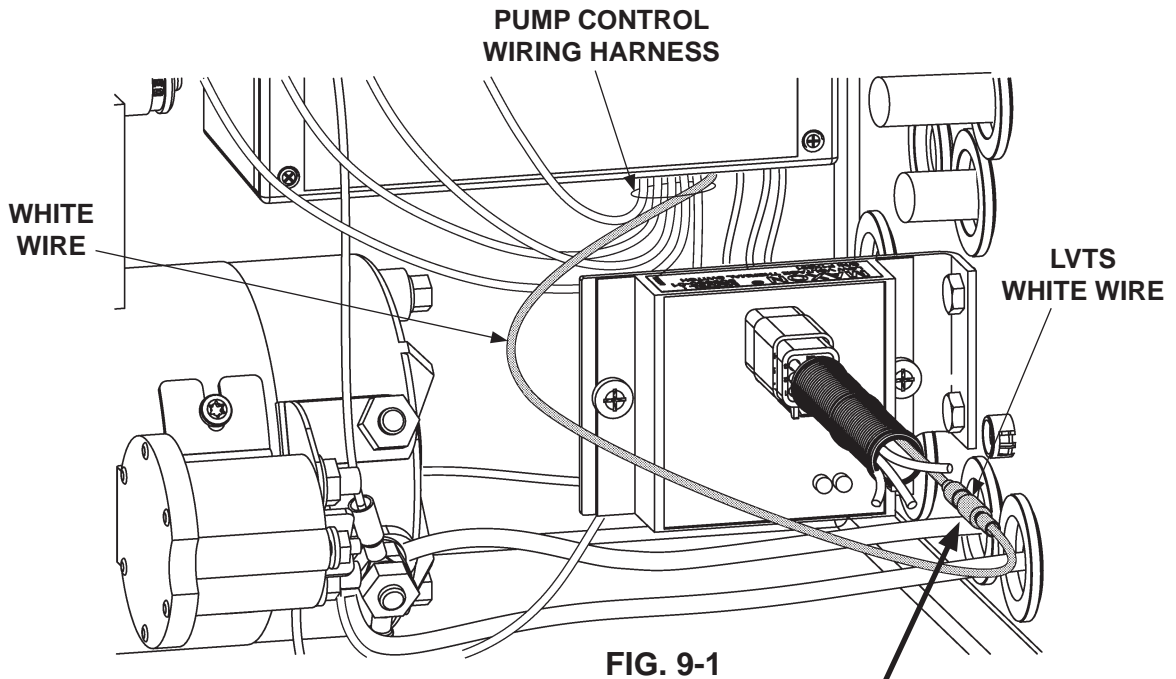
Route electrical wires clear of the pump cover and any sharp edges. Avoid making sharp bends in wiring. Connect wiring only as shown in the instructions that follow.

8. Cut white wire from pump control wiring harness (FIG. 8-1). Then, remove ring terminal and discard unused portion of white wire (FIG. 8-1).



**CUTTING WHITE WIRE
FIG. 8-1**

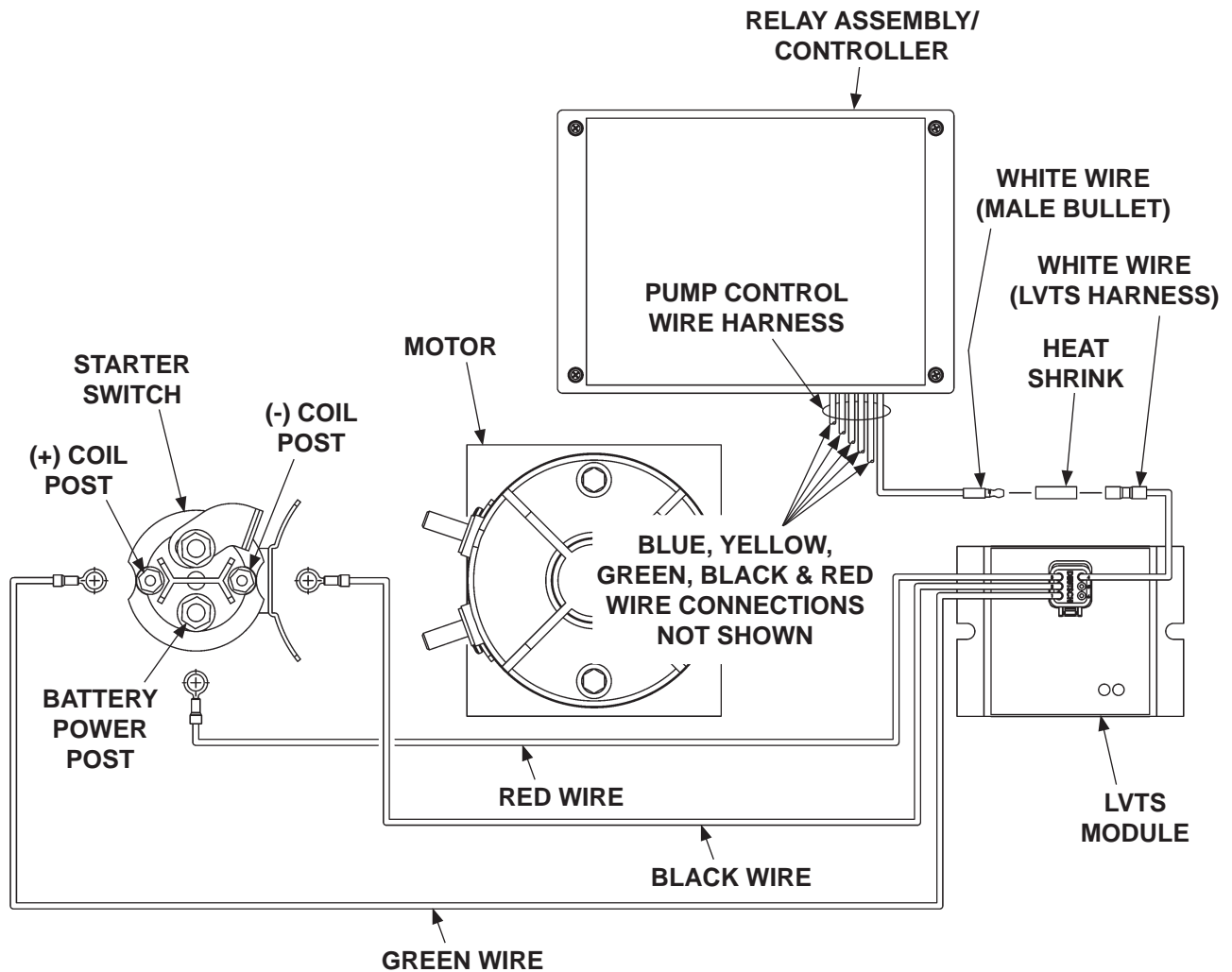
9. Crimp pump control harness white wire to male bullet on LVTS white wire (**FIGS. 9-1, 9-2 and 10-1**). Then, apply heat shrink (kit item) as shown in **FIGS. 9-1, 9-2 and 10-1**.



⚠ CAUTION

To prevent damage to metal case starter solenoid, hold bottom terminal nut securely when loosening and tightening top terminal nut. Do not over-tighten the terminal nuts. For the 5/16" load terminals, torque nuts 40 lbs.-in. Torque the nuts on #10-32 control terminals 15-20 lbs.-in.

10. Connect LVTS **BLACK**, **GREEN** and **RED** wires to starter switch as shown in **FIG. 10-1**.



CONNECTING LVTS HARNESS
FIG. 10-1

! CAUTION

For cover gasket to seal correctly, each LVTS decal must be attached clear of the gasket sealing surface.

NOTE: LVTS instruction decal must be attached to the inside of pump cover & must be readable with cover removed.

11. Attach LVTS instruction decal (**FIG. 11-1**) to inside wall of pump cover (**FIG. 11-2**).

MAXON[®]
LOW VOLTAGE / THERMAL SWITCH (LVTS) INSTRUCTIONS

The LVTS system protection device, located inside the pump box on this liftgate, is designed to stop the liftgate from operating when the temperature of the pump motor is too high or the battery voltage is too low for reliable operation. Please follow the instructions, below, if these conditions occur.

VOLTAGE LIGHT (GREEN)

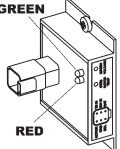
- ON**- Liftgate functions are normal.
- BLINKING RAPIDLY**-Liftgate will shut down shortly.
- BLINKING SLOWLY**-Liftgate has shut down.
- OFF**-No power or LVTS is malfunctioning.

MANUAL OVERRIDE
Rapidly toggle liftgate control switch to the up position and back to the center position 5 times to override shut down mode. This allows liftgate to operate for an additional cycle.

BATTERY VOLTAGE RESET
LVTS resets when battery is above 13 volts. Start vehicle engine to recharge battery.

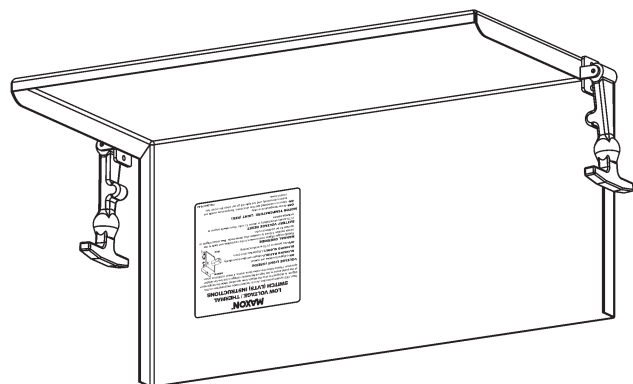
MOTOR TEMPERATURE LIGHT (RED)

- OFF**- Motor Temperature is okay.
- ON**- Motor is overheated and has shut down. Temperature switch will reset automatically and red light will go out when the motor has cooled down.



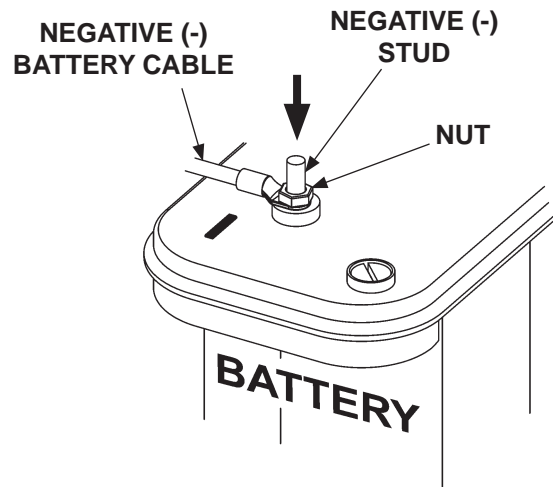
P/N 264776-02

**LVTS INSTRUCTION DECAL
FIG. 11-1**



**DECAL ATTACHED INSIDE PUMP COVER
FIG. 11-2**

12. Connect negative (-) battery cable to negative (-) stud on the battery (FIG. 12-1). Reinstall and tighten nut (FIG. 12-1).



RECONNECTING BATTERY
FIG. 12-1

13. Use the LVTS instruction decal (FIG. 12-2) to ensure LVTS and Liftgate function correctly.

MAXON[®]

LOW VOLTAGE / THERMAL SWITCH (LVTS) INSTRUCTIONS

The LVTS system protection device, located inside the pump box on this liftgate, is designed to stop the liftgate from operating when the temperature of the pump motor is too high or the battery voltage is too low for reliable operation. Please follow the instructions, below, if these conditions occur.

VOLTAGE LIGHT (GREEN)

- ON**- Liftgate functions are normal.
- BLINKING RAPIDLY**-Liftgate will shut down shortly.
- BLINKING SLOWLY**-Liftgate has shut down.
- OFF**-No power or LVTS is malfunctioning.

MANUAL OVERRIDE

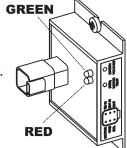
Rapidly toggle liftgate control switch to the up position and back to the center position 5 times to override shut down mode. This allows liftgate to operate for an additional cycle.

BATTERY VOLTAGE RESET

LVTS resets when battery is above 13 volts. Start vehicle engine to recharge battery.

MOTOR TEMPERATURE LIGHT (RED)

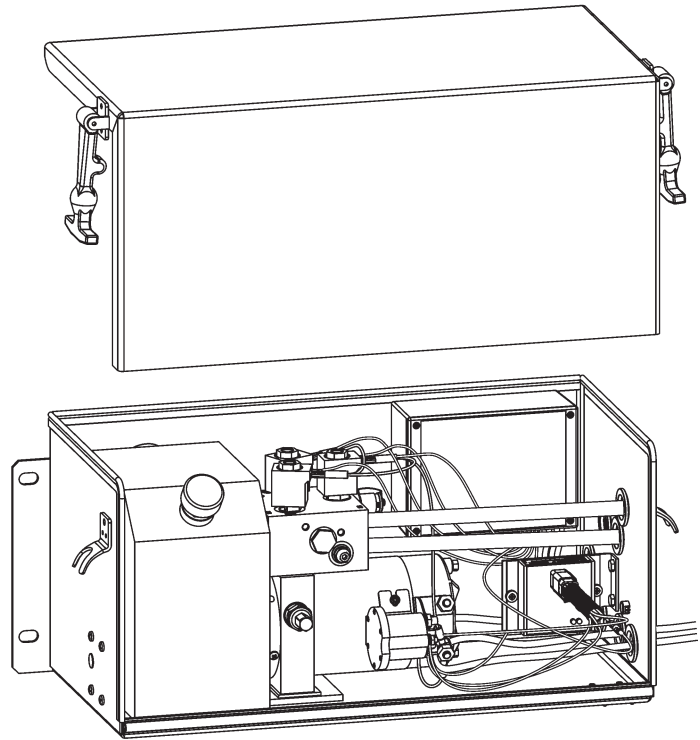
- OFF**-Motor Temperature is okay.
- ON**- Motor is overheated and has shut down. Temperature switch will reset automatically and red light will go out when the motor has cooled down.



P/N 264776-02

LVTS INSTRUCTION DECAL
FIG. 12-2

14. When kit installation and LVTS check are completed, reinstall pump cover (FIG. 13-1).



**REINSTALLING PUMP COVER
FIG. 13-1**