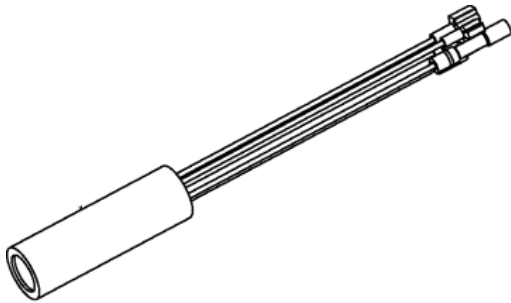
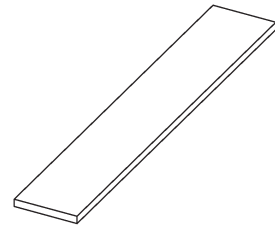


## INSTRUCTION, TIME LOCKOUT KIT FOR DMD LIFTGATES KIT P/N 286688-01



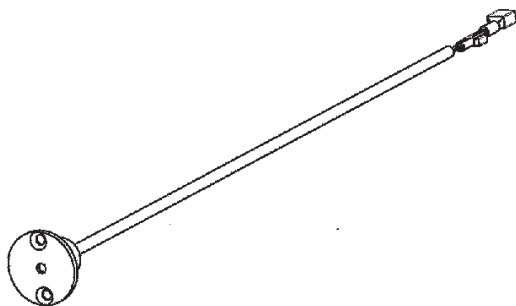
**SECURITY MODULE**  
P/N 286686-01  
QTY. 1



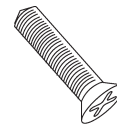
**DOUBLE-SIDED TAPE,**  
1/2" WIDE X 3" LG.  
P/N 908102-10  
QTY. 1



**PLASTIC TIE**  
P/N 205780  
QTY. 5



**LED CABLE ASSEMBLY**  
(WITH 5 MM LED & 50" LG. CABLE)  
P/N 281882-02  
QTY. 1



**SELF-TAPPING SCREW, FLAT**  
HEAD, #10-16 X 3/4" LG.  
P/N 900717-04  
QTY. 2

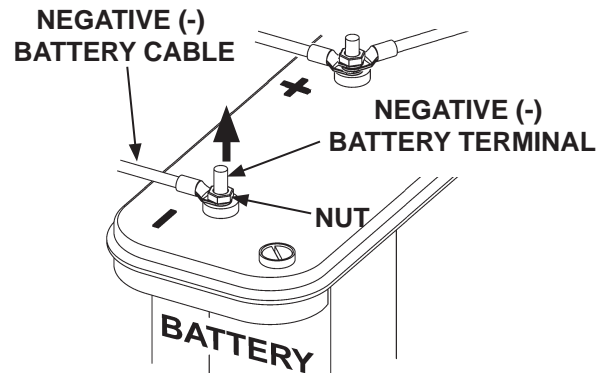
**⚠ WARNING**

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.

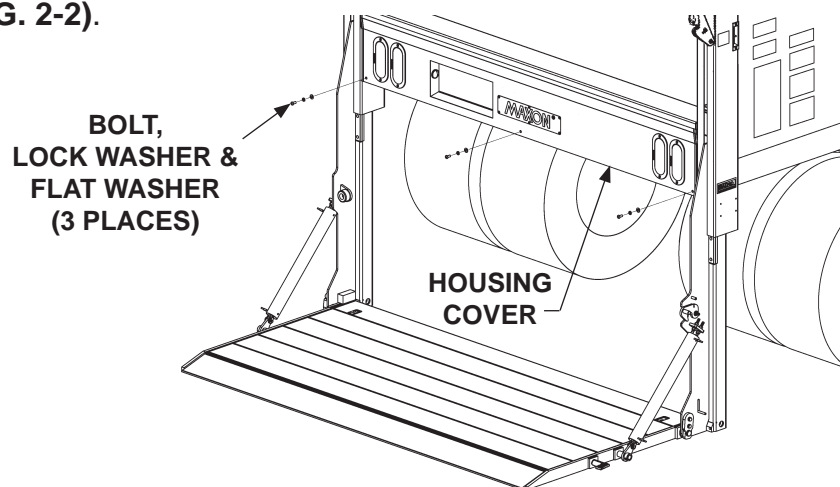
1. Unfold and lower platform to the ground (FIG. 2-2). Refer to DMD **OPERATING INSTRUCTIONS** decal on vehicle and **DMD Operation Manual**.



**DISCONNECTING POWER**  
**FIG. 2-1**

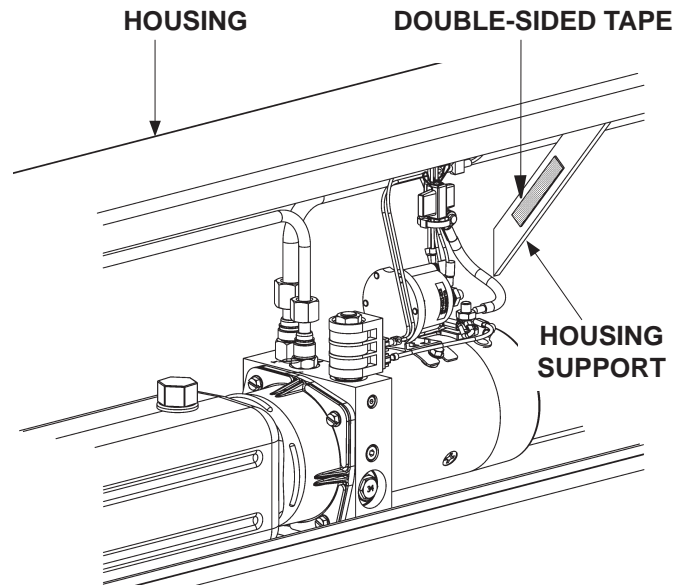
2. Disconnect power from Liftgate by disconnecting negative (-) battery cable from negative (-) battery terminal (FIG. 2-1).

3. Unbolt housing cover and remove from Liftgate for access (FIG. 2-2).



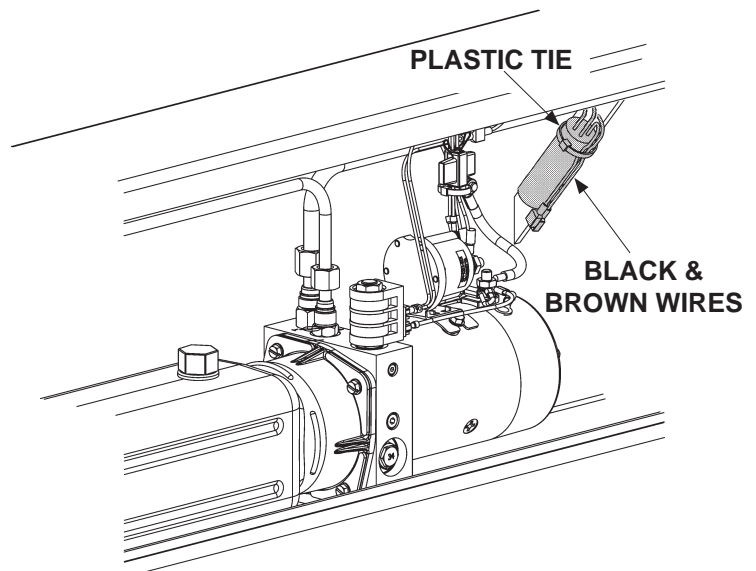
**UNBOLTING COVER FOR REMOVAL**  
**(PLATFORM UNFOLDED ON THE GROUND)**  
**FIG. 2-2**

4. Position double-sided tape on the housing support. Make sure the surface is clean before applying the tape (**FIG. 3-1**).

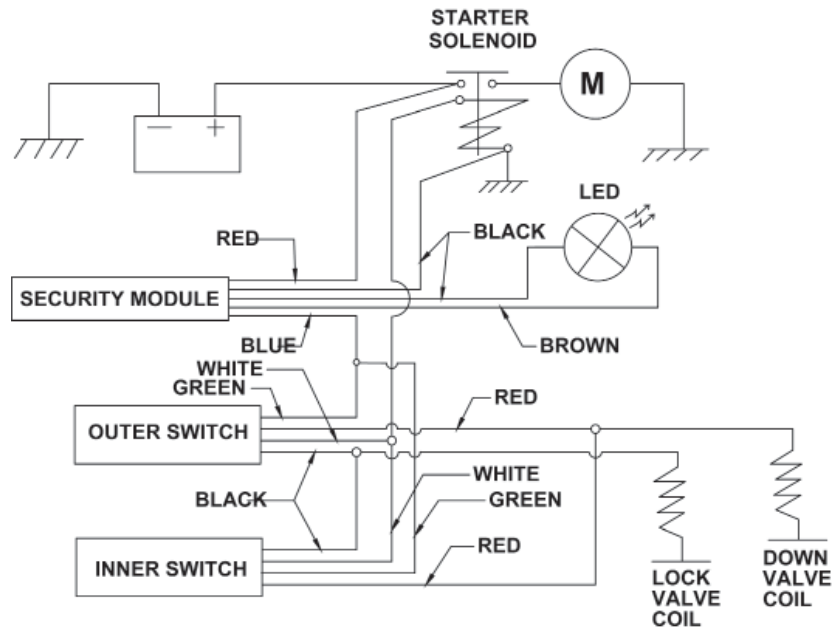


**FASTENING DOUBLE-SIDED TAPE TO PUMP BOX**  
**FIG. 3-1**

5. Use a plastic tie (Kit item) to fasten the **BLACK** and **BROWN** wires and security module to the pump box (**FIG. 3-2**).

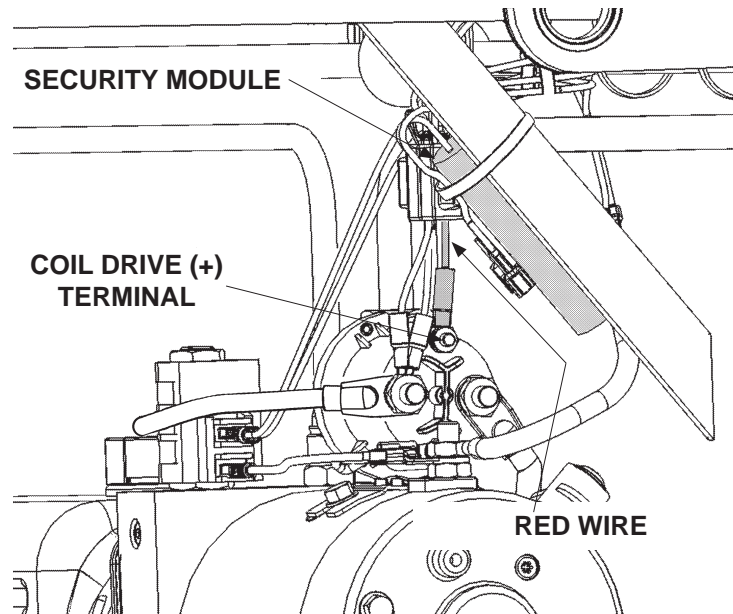


**FASTENING SECURITY MODULE & WIRING TO PUMP BOX**  
**FIG. 3-2**



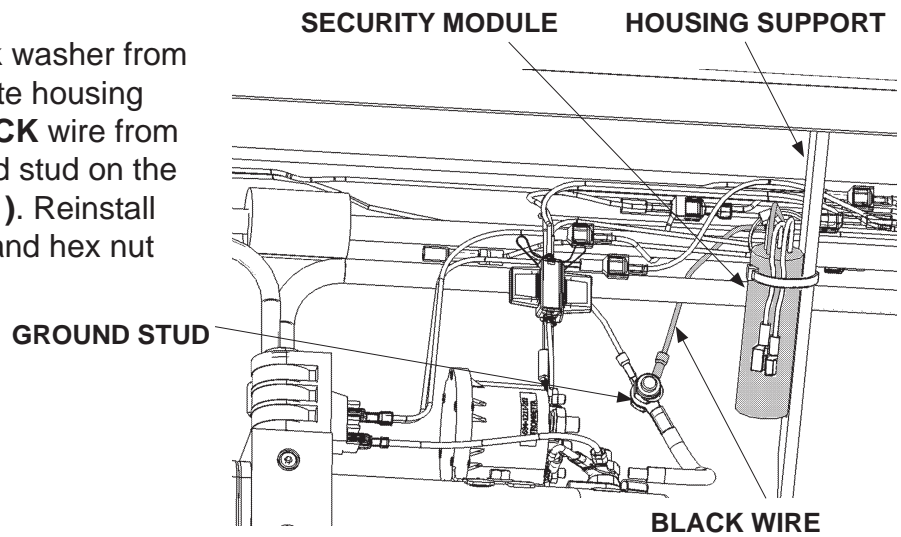
**DMD ELECTRICAL SCHEMATIC WITH  
SECURITY MODULE  
FIG. 4-1**

- Remove hex nut and lock washer from coil drive (+) terminal on starter solenoid (**FIG. 4-2**). Then, connect **RED** wire from security module to coil drive (+) terminal (**FIG. 4-2**). Reinstall and tighten lock washer and hex nut on the coil drive (+) terminal.



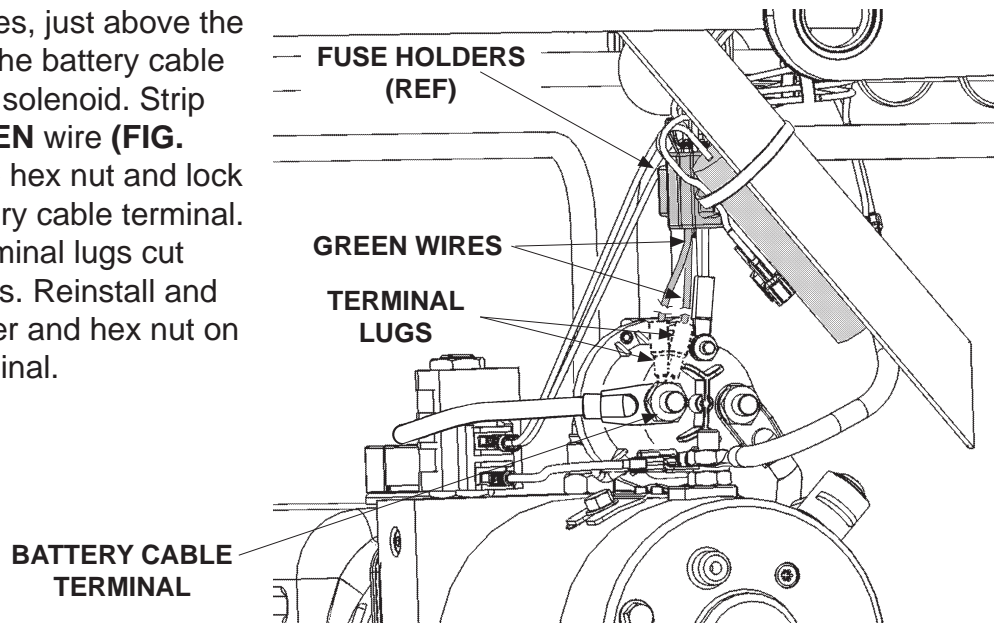
**CONNECTING RED WIRE TO STARTER SOLENOID  
FIG. 4-2**

7. Remove hex nut and lock washer from ground stud on the Liftgate housing (**FIG. 5-1**). Connect **BLACK** wire from security module to ground stud on the Liftgate housing (**FIG. 5-1**). Reinstall and tighten lock washer and hex nut on the ground stud.



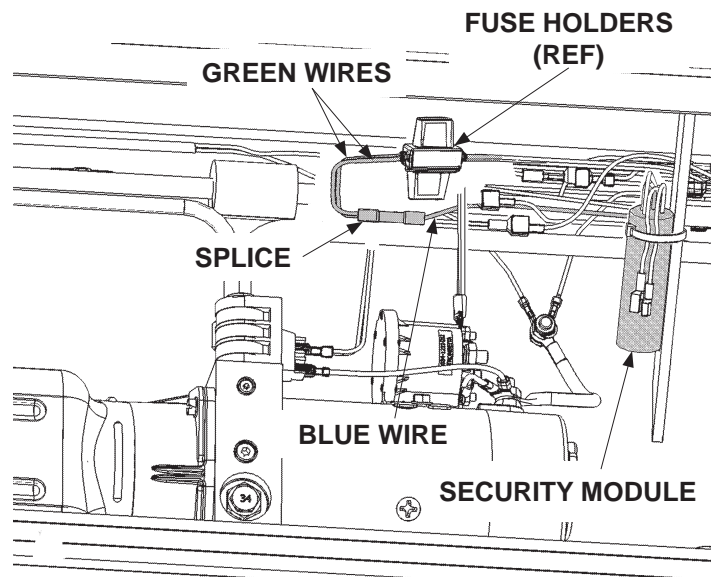
**CONNECTING BLACK WIRE TO GROUND STUD**  
**FIG. 5-1**

8. Cut 2 **GREEN** wires, just above the terminal lugs, on the battery cable terminal of starter solenoid. Strip end of each **GREEN** wire (**FIG. 6-1**). Next remove hex nut and lock washer from battery cable terminal. Then, remove terminal lugs cut from **GREEN** wires. Reinstall and tighten lock washer and hex nut on battery cable terminal.



**CUTTING GREEN WIRES ON FUSE HOLDERS**  
**FIG. 6-1**

9. Strip end of each **GREEN** wire. Then, splice **BLUE** wire from security module to the cut ends of the 2 **GREEN** wires on the fuseholders (**FIG. 6-2**).



**CONNECTING GREEN WIRES WITH BLUE WIRE**  
**FIG. 6-2**

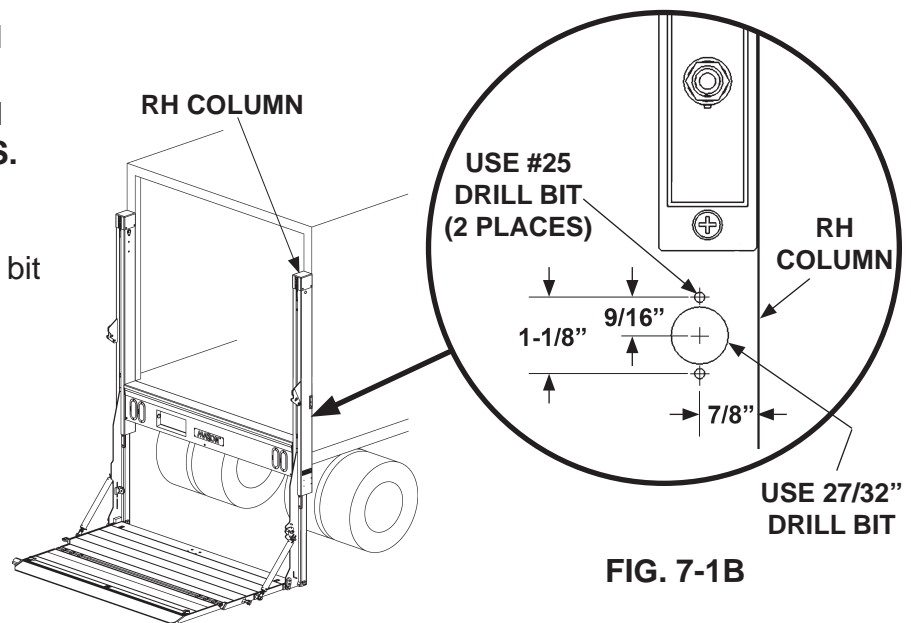
**⚠ CAUTION**

Never route an energized wire. Make sure the battery is disconnected. Route electrical wire clear of contact with moving parts and sharp edges. When drilling into column, be careful not to hit hydraulic hoses or electrical cables inside the column.

**⚠ CAUTION**

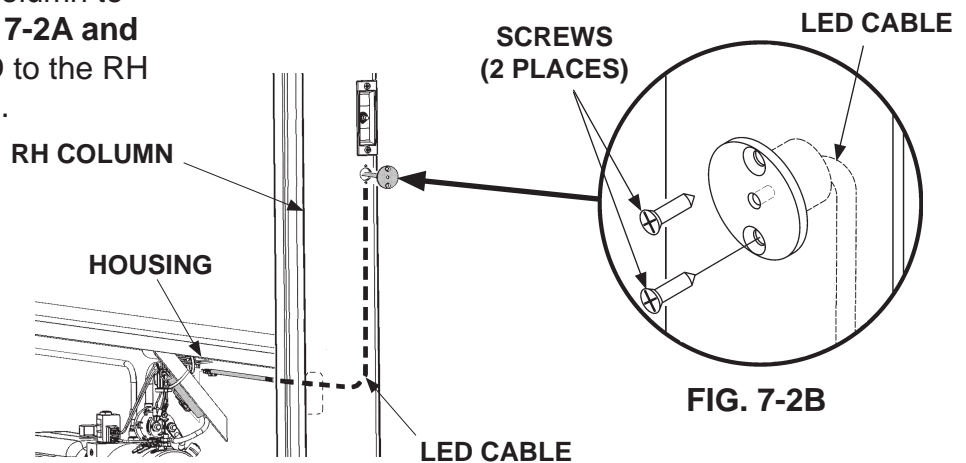
To prevent damage to decals, do not drill holes through decals or cover any part of the decals with the LED. Position the LED near control switch, but not covering decals.

10. Measure, mark, and drill holes for LED light and screws (Kit items) in RH column of Liftgate (FIGS. 7-1A and 7-1B). Use 27/32" drill bit for large hole (LED) and #25 drill bit for screw holes.



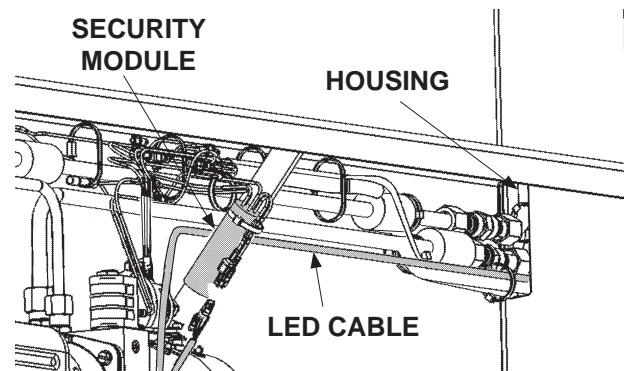
**FIG. 7-1B**

11. Use wire fish to pull LED cable through RH column to the housing (FIGS. 7-2A and 7-2B). Bolt the LED to the RH column (FIG. 7-2B).



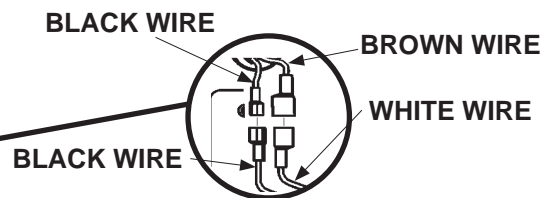
**FIG. 7-2B**

12. Route LED cable through housing on Liftgate and under security module (FIG. 8-1).

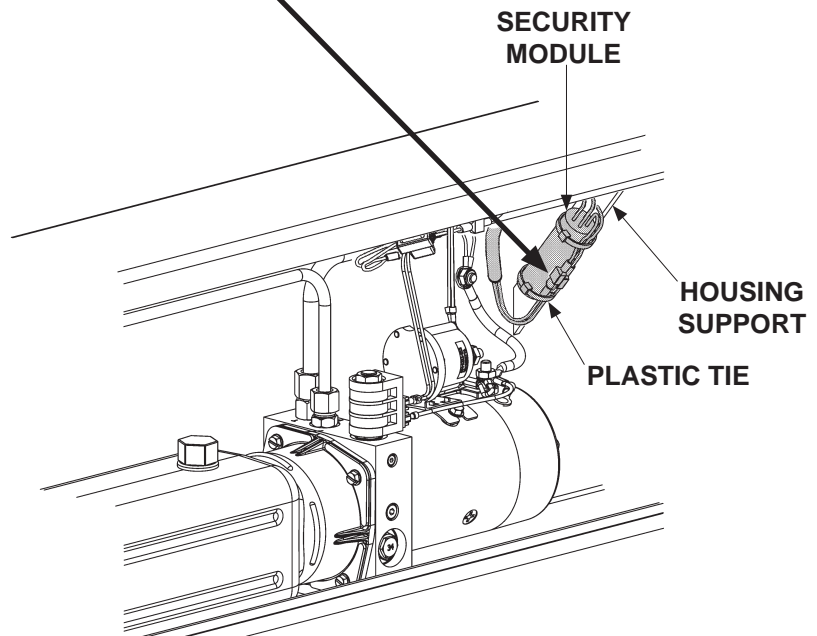


**ROUTING LED CABLE THROUGH HOUSING**  
**FIG. 8-1**

13. Connect **BLACK** wire on LED cable to the **BLACK** wire on the security module. Then connect **WHITE** wire on LED cable to **BROWN** wire on security module (FIGS. 8-2A & 8-2B). Use plastic tie to fasten bottom of security module to housing support, and secure **BLACK** and **WHITE** wires to security module (FIG. 8-2A).



**LED WIRING CONNECTIONS**  
**FIG. 8-2B**

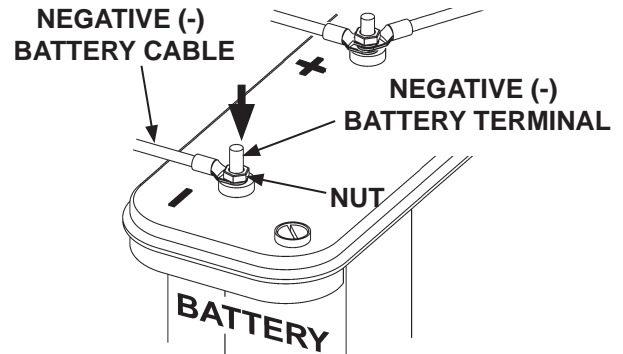


**CONNECTING LED CABLE TO SECURITY MODULE**  
**FIG. 8-2A**



**NOTE:** Security module changes the way Liftgate is initialized for operation. Refer to procedure on next page for **OPERATING LIFTGATE WITH SECURITY MODULE.**

14. Remove nut from negative (-) battery terminal. Reconnect the negative (-) battery cable to negative (-) battery terminal (**FIG. 9-1**). Reinstall and tighten nut.

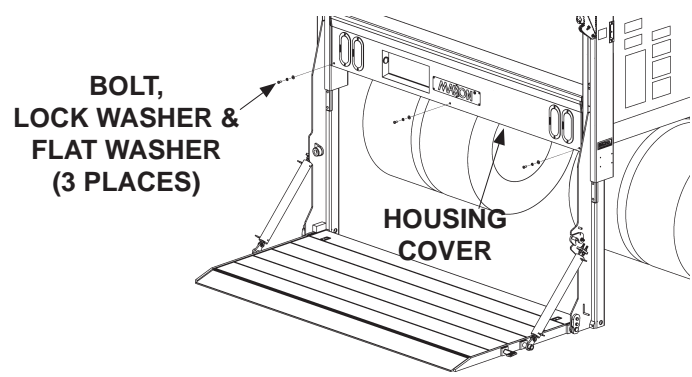


**RECONNECTING POWER**  
**FIG. 9-1**

15. Raise and lower platform to ensure Liftgate operates correctly. Refer to instructions for **OPERATING LIFTGATE WITH SECURITY MODULE**, on the next page, and in **DMD Operation Manual**.

**⚠ CAUTION**

Main housing cover must be correctly secured to prevent it from becoming a hazard.



**BOLTING COVER ON HOUSING**  
**FIG. 9-2**

16. Bolt on the main housing cover as shown in **FIG. 9-2**. Torque the 5/16"-18 cover bolts from **10 to 14 lb-ft**.

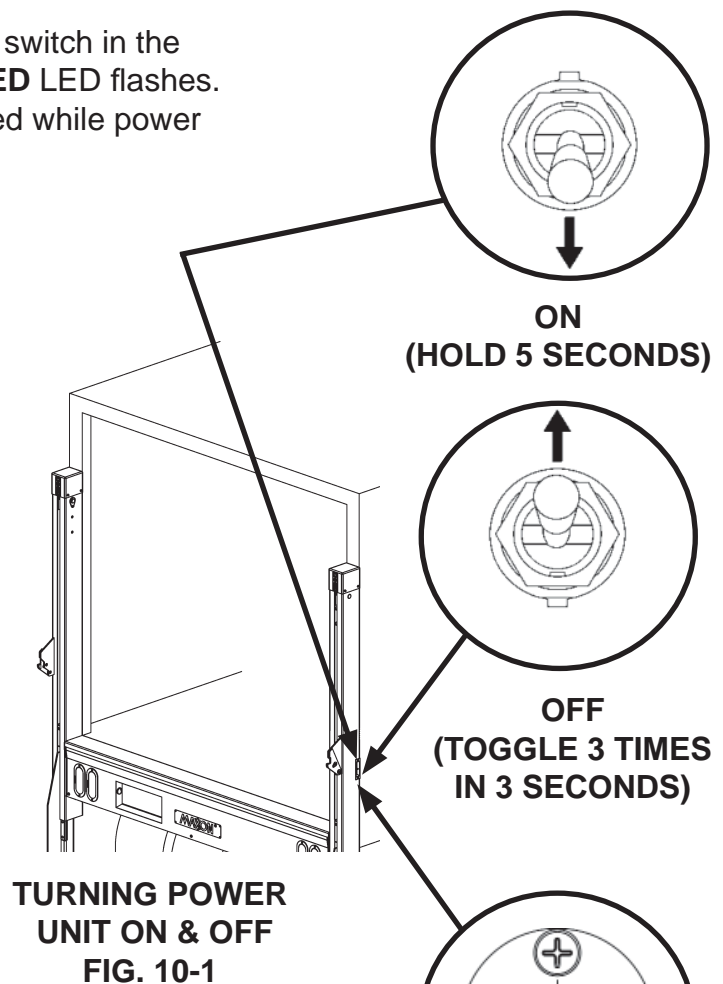
**OPERATING LIFTGATE WITH SECURITY MODULE**

**⚠ WARNING**

While activating the control switch, stay clear of the platform and moving parts on the Liftgate. Platform may suddenly move up or down when the power unit is turned on.

**NOTE:** If the Liftgate is not operated in any way for over 2 minutes, security module will automatically turn off the power unit. Operator may also turn off the power unit with the control switch and prevent unauthorized people from operating the Liftgate.

1. To turn on the power unit, hold control switch in the **DOWN** position for 5 seconds until **RED** LED flashes. **(FIG. 10-1)**. **RED** LED stays illuminated while power is on for the Liftgate.
2. If you leave the Liftgate unattended, make sure platform is stowed. **(See WARNINGS in Operation Manual.)** Then turn off the power unit.
3. To turn off the power unit and prevent operation by unauthorized people, toggle the switch 3 times to **UP** position within 3 seconds **(FIG. 10-1)**. The security module will turn off the output and go into sleep mode. The **RED** LED will turn off.



**NOTE:** The security module will automatically turn off if battery voltage drops below 5.5 volts on a 12-volt system. The **RED** LED will flash for 1-1/2 seconds before security module is turned off. If the security module senses high current, **RED** LED will flash for 3 seconds before security module is turned off.