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Preparing the Kit

1. **Verify** kit (Figure 1, Table 1).
2. **Locate** the license plate light and mounting hardware in the maintenance manual kit (Figure 1, Table 1).
3. **Prepare** the 12V light relay kit, if installing it.

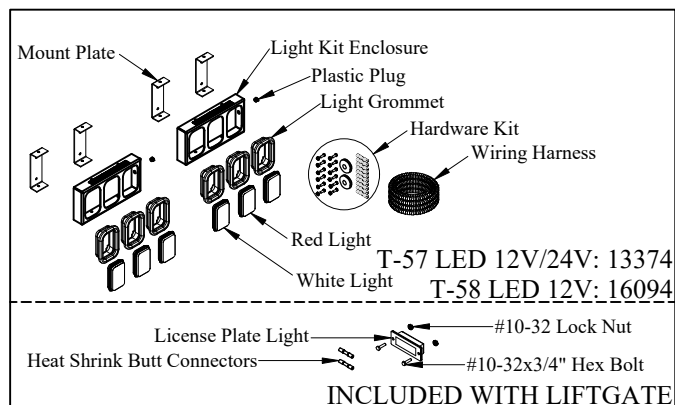


Figure 1: Part Identification.

Table 1: Parts List

QTY.	PART NO.	DESCRIPTION
2	10737	3-Light Kit Enclosure
6	4062	Light Grommet
4	4065 15533	Red Light (LED)
2	4078 15534	White Light (LED)
4	10736	Mount Plate
1	9103	Hardware Kit
1	9143	Wiring Harness
1	3050	License Plate Light
2	9089	Heat Shrink Butt Connector
2	1485	#10-32x3/4" Hex Bolt
2	556	#10-32 Lock Nut
2	3065	1/2" Plastic Plug

Preparing the Liftgate

1. **Lower** the liftgate to the ground.
2. **Disconnect** the power cable from the positive side of the battery or manually **Trip** the circuit breaker (Figure 2).
3. **Remove** the mainframe box cover by removing the three 5/16" hex nuts with a 1/2" wrench or socket (Figure 3).
4. **Remove** two (2) 1 1/4" and four (4) 1/4" hole plugs from access holes (Figure 4).

Note: If the plugged holes are not present in the box cover, drill them as shown (Figure 5).

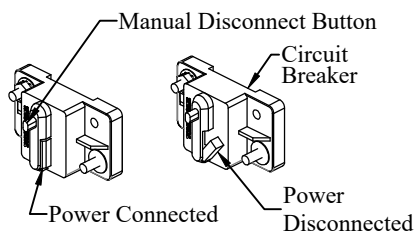


Figure 2: Circuit Breaker

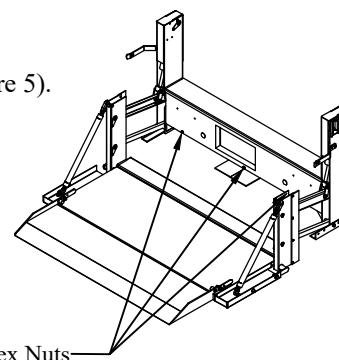


Figure 3: Assembled Liftgate

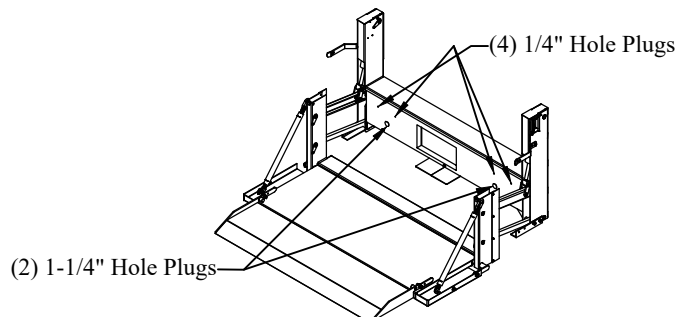


Figure 4: Plugged Mounting Holes

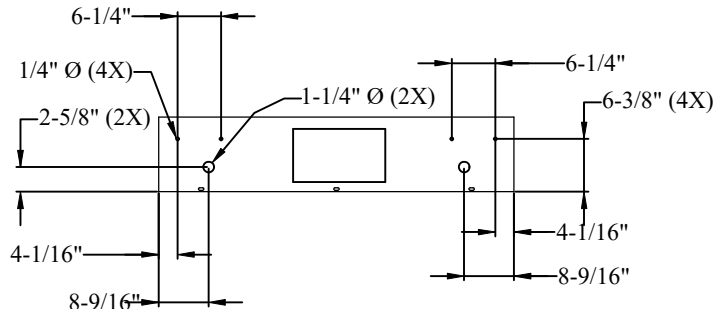


Figure 5: Drilled Hole Locations on Older Liftgates

Assembling the Box Cover

1. **Loosely Attach** two (2) mount plates to the back of each enclosure using two (2) 1/4-20 nuts and bolts per mount plate (Figure 6).
 2. **Loosely Attach** each enclosure to the box cover using one (1) 1/4-20 nut and bolt through the upper hole of each mount plate (Figure 6).
- Note: Ensure the warning stickers are on top.
3. **Tighten** the twelve (12) nuts and bolts attached in steps 1 and 2.
 4. **Ensure** the rubber gasket is in place on the license plate light (Figure 6).
 5. **Mount** the License Plate Light using two (2) #10-32 nuts and bolts (Figure 6).

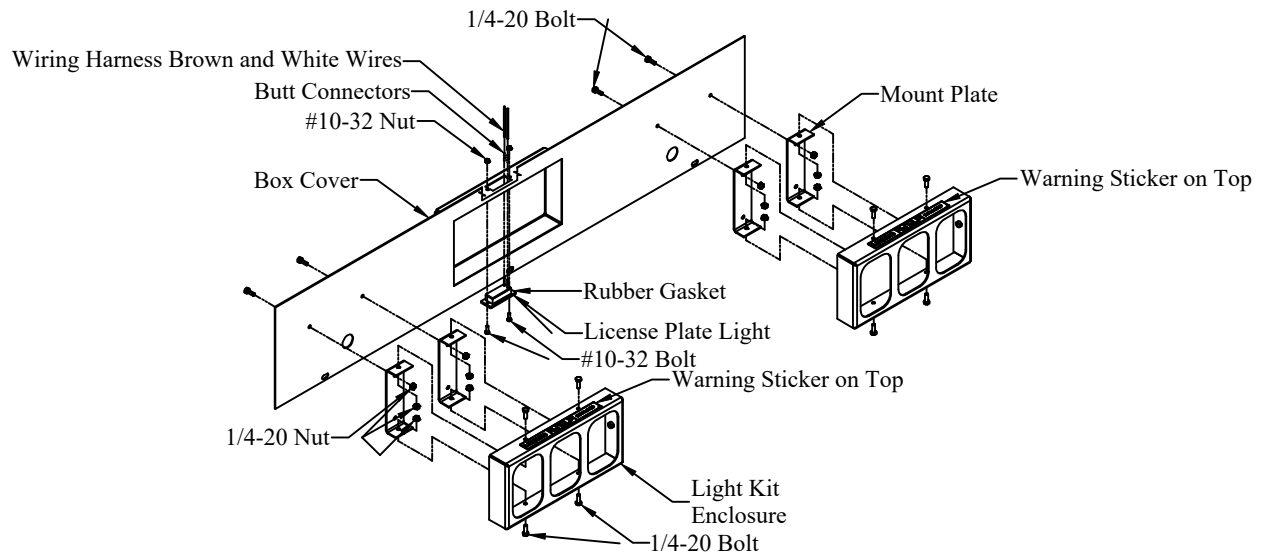


Figure 6: Box Cover Assembly

Running the Wiring

1. **Pull** two (2) 3-prong tail light plugs and a 2-prong tail light plug through each 1-1/4" access hole (Figure 4 or 5).
- Note: Ensure the LT/HAZ/TAIL plug is on the driver's side and the RT/HAZ/TAIL plug is on passenger's side.
2. **Cut** the 1 1/4" rubber grommets from the inner hole out (Figure 7).
 3. **Place** the 1 1/4" rubber grommets around wires (Figure 7)
 4. **Secure** the grommets inside the 1 1/4" holes (Figure 4).
 5. **Splice** the license plate light wires to one pair of the blunt-cut white and brown wires (Figure 6).
 6. **Seal** the remaining white and brown blunt-cut wires as shown (Figure 8).
 7. **Pull** the vehicle end wires, through an unused hole in the back of the liftgate, to the vehicle.

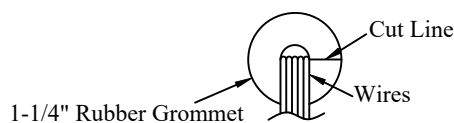


Figure 7: Wire Grommet

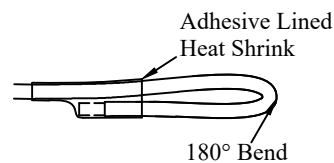


Figure 8: Sealed Wire End

G² dual drive® Light Kit Mounting Instructions

Installing the Lights

1. **Press** the light grommets into the large holes in the enclosures (Figure 9).
2. **Pull** harness plugs through the inserted grommets, matching the proper tail light configuration (Figure 10).
3. **Connect** the plugs to their lights (Figure 10).
4. **Connect** the provided wiring harness to the vehicle's existing wiring. Follow the recommended electrical guidelines when connecting the wiring harness to the vehicle.

Note: If using a relay kit, install it at this time by following the relay kit's installation instructions.

5. **Verify** and **Correct** proper operation of lights.

Note: If using a relay kit, reconnect power to the liftgate to operate the lights.

6. **Firmly Push** lights into installed rubber grommets until they are secured (Figure 9).
7. **Tie** the harness out of the way of moving components and sharp edges, using cable ties.
8. **Reinstall** the box cover on the liftgate and reconnect the liftgate's power.
9. **Verify** proper operation of lights.

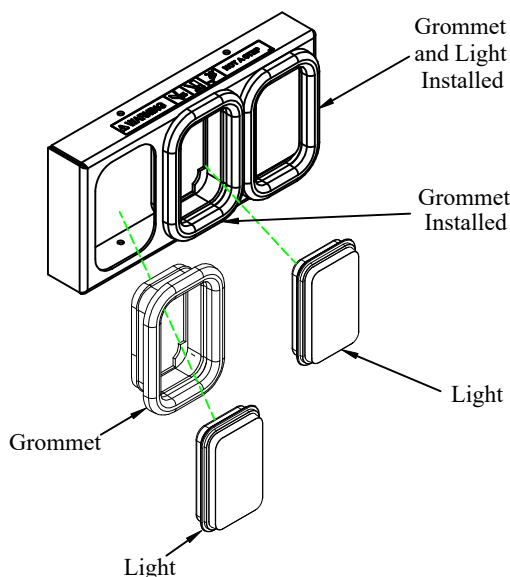


Figure 9: Light Kit Assembly

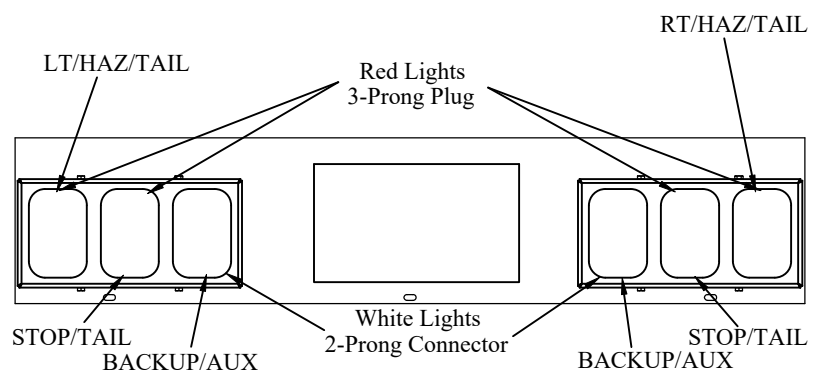


Figure 10: Light Functions and Colors

Electrical Guidelines:

- (1) The installer is responsible for using proper techniques when interfacing with vehicle electrical systems.
- (2) Failure to comply with the OEM guidelines could result in unsafe vehicle operation, failure of OEM wiring, or vehicle fire.
- (3) Never replace OEM fuses and/or circuit breakers with fuses or circuit breakers with a higher rating.
- (4) The total circuit current draw should not exceed 80% of the OEM circuit fuse or circuit breaker.
- (5) When possible, use body builder junction blocks, customer access circuits & connectors rather than extending OEM circuits.
- (6) Incorporate relays when extending the OEM electrical system.
- (7) Use appropriate gauge wire for extending circuits. The wire gauge should be capable of supporting the maximum load to which the added circuit will be exposed.
- (8) OEM electrical wire color coding should be maintained when extending circuits.
- (9) When adding circuits, always incorporate fuse or circuit breaker protection.

Note: ⊗ Symbol indicates usage of heat shrink butt connector.
X Indicates wire is sealed away and not used (Figure 11).

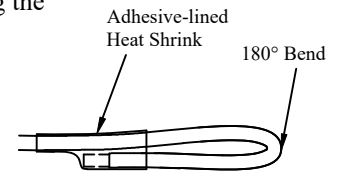
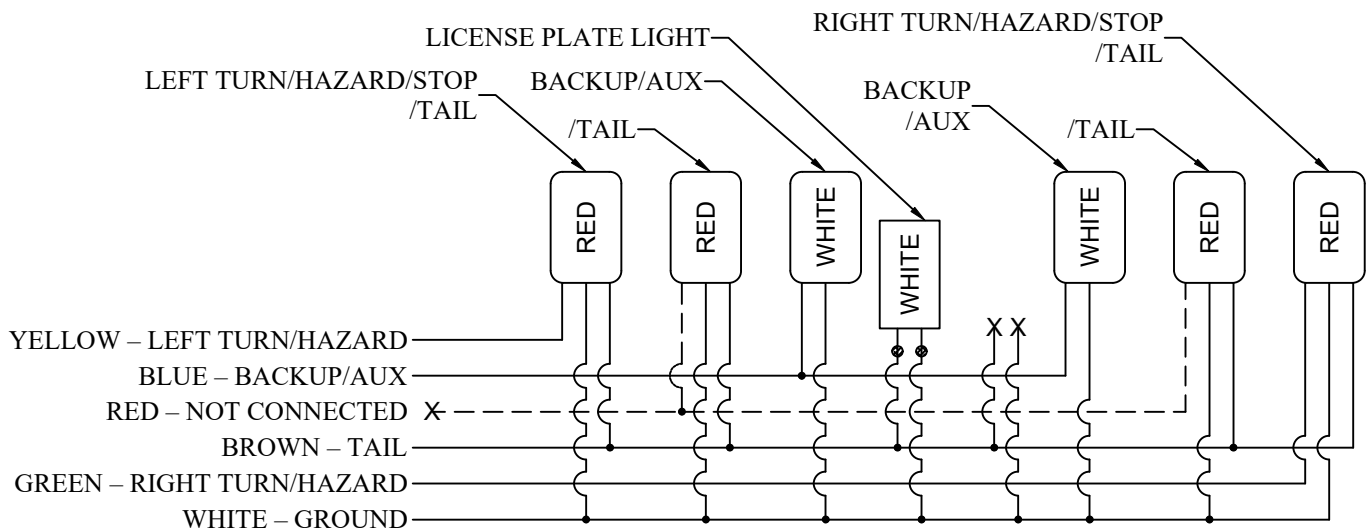
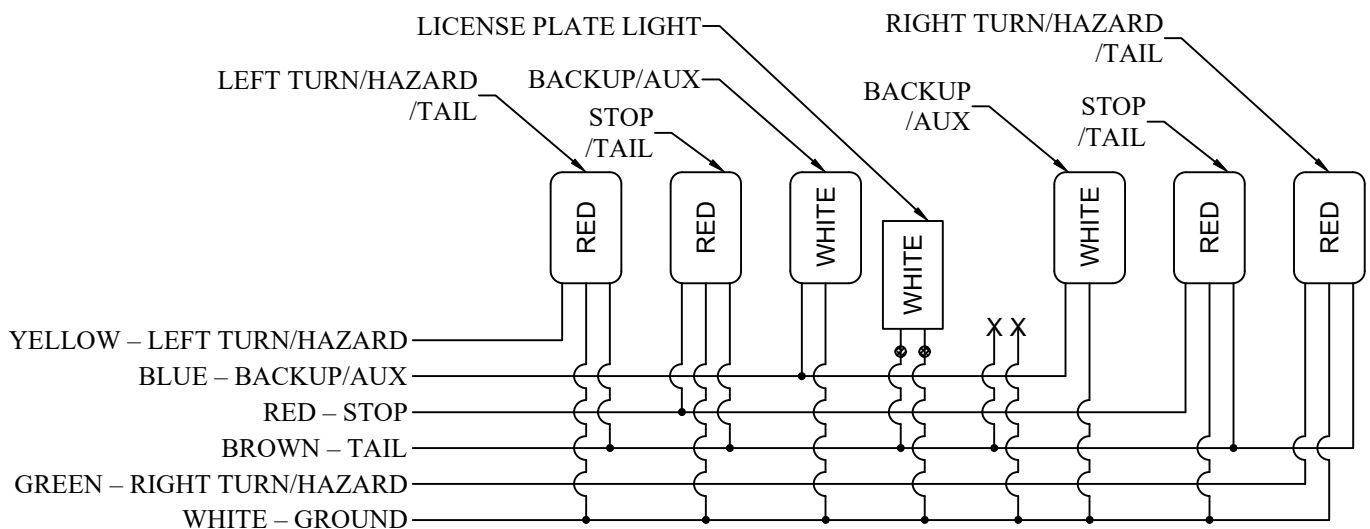


Figure 11: Sealed Wire End

COMBINED STOP/TURN FUNCTION



SEPARATED STOP/TURN FUNCTION



Tommy Gate 12V Light Relay Kit -PN 015863 (Sold Separately)

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If your truck is listed in the table below and has a trailer detection system, use of a light relay kit (PN 15863) is recommended.

Table 2: Recommended Relay Applications

PICKUP MFG	YEAR	MODEL	AVAILABLE TRAILER DETECTION SYSTEM	RECOMMENDED WIRING LOCATION WITH RELAY
CHEVY	2019-2026	1500	ADVANCED TRAILERING SYSTEM	TAIL LIGHT HARNESS
	2020-2026	2500 / 3500		
FORD	2019-2026	RANGER	SMART TRAILER TOW CONNECTOR	TAIL LIGHT HARNESS
	2015-2026	F-150		
	2016-2026	SUPER DUTY SERIES		
GMC	2019-2026	1500	PROGRADE TRAILERING SYSTEM	TAIL LIGHT HARNESS
	2020-2026	2500 / 3500		

Notes:

Compatible with both combined (2-wire) and separated (3-wire) stop/turn vehicle systems

Compatible with 12-volt applications only