

REPLACEMENT OUTLET/CONVERSION KIT TO PLUG-IN TRANSFORMER

MODEL K76-36296-1

OVERVIEW

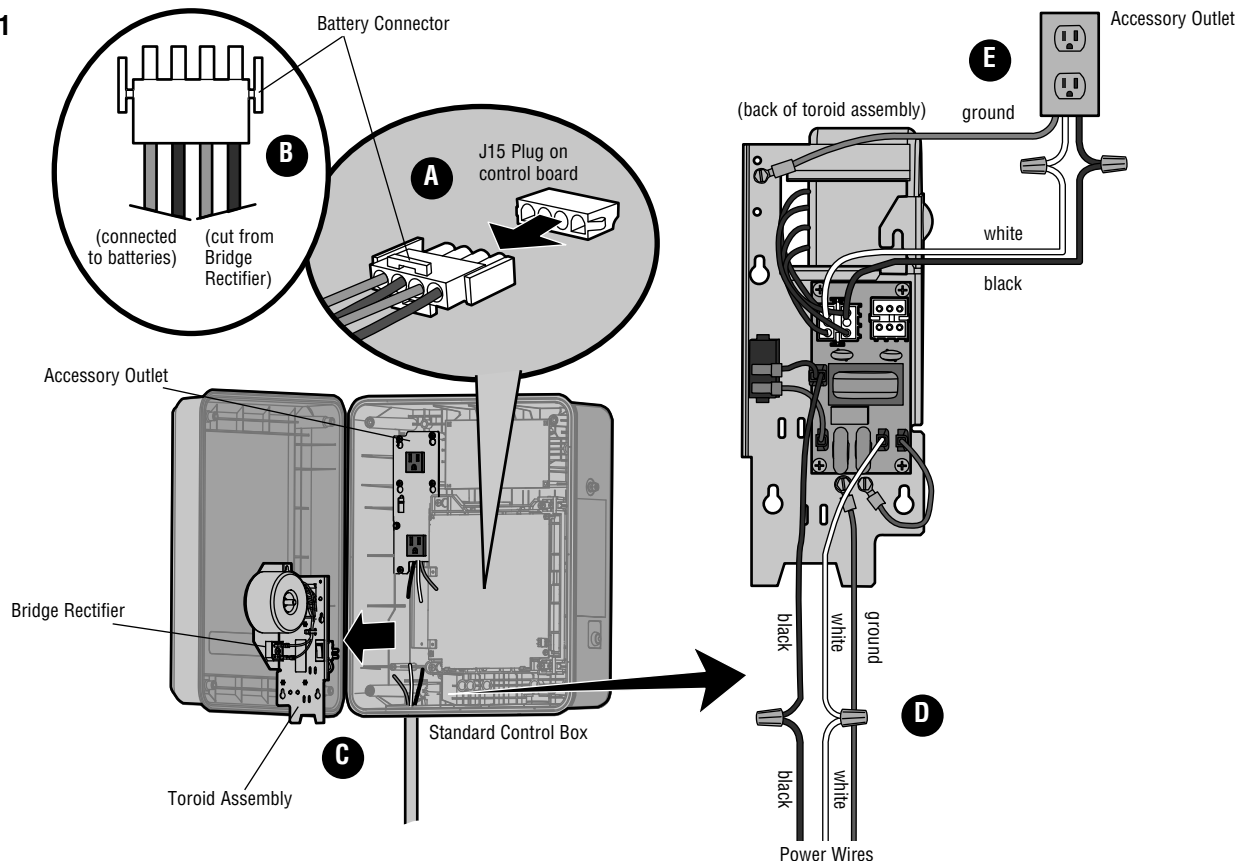
The Replacement Outlet/Conversion Kit is ONLY compatible with 120 Vac LA500 gate operators with a standard control box. The Replacement Outlet/Conversion Kit can replace the current accessory outlet and/or convert to a plug-in transformer system. The kit comes with a replacement accessory outlet and a junction box cover. A plug-in transformer (not provided, Model APOW3) is necessary for the conversion.

NOTE: The replacement accessory outlet may not be used.

REMOVE THE TOROID ASSEMBLY

- 1 Disconnect ALL POWER.**
- Open the control box cover and unplug the battery connector from the J15 plug on the control board (Figure 1-A).
- Cut the red and black wires going from the battery connector to the bridge rectifier on the toroid assembly (Figure 1-B). Cap the wires with wire nuts since they will no longer be used.
- Remove the toroid assembly from the control box by loosening the four screws and lifting the assembly up and out (Figure 1-C).
- Disconnect the incoming power wires from the toroid assembly (Figure 1-D).
- Disconnect the wires from the accessory outlet to the toroid assembly (Figure 1-E).
- Discard the toroid assembly.

FIGURE 1



⚠️ WARNING

To reduce the risk of SEVERE INJURY or DEATH:

- ANY maintenance to the operator or in the area near the operator **MUST NOT** be performed until disconnecting the electrical power (AC or solar and battery) and locking-out the power via the operator power switch. Upon completion of maintenance the area **MUST** be cleared and secured, at that time the unit may be returned to service.
- Disconnect power at the fuse box **BEFORE** proceeding. Operator **MUST** be properly grounded and connected in accordance with national and local electrical codes.
NOTE: The operator should be on a separate fused line of adequate capacity.
- ALL electrical connections **MUST** be made by a qualified individual.
- **DO NOT** install ANY wiring or attempt to run the operator without consulting the wiring diagram. We recommend that you install an edge sensor **BEFORE** proceeding with the control station installation.
- ALL power wiring should be on a dedicated circuit and well protected. The location of the power disconnect should be visible and clearly labeled.
- ALL power and control wiring **MUST** be run in separate conduit.



WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

INSTALL THE TRANSFORMER

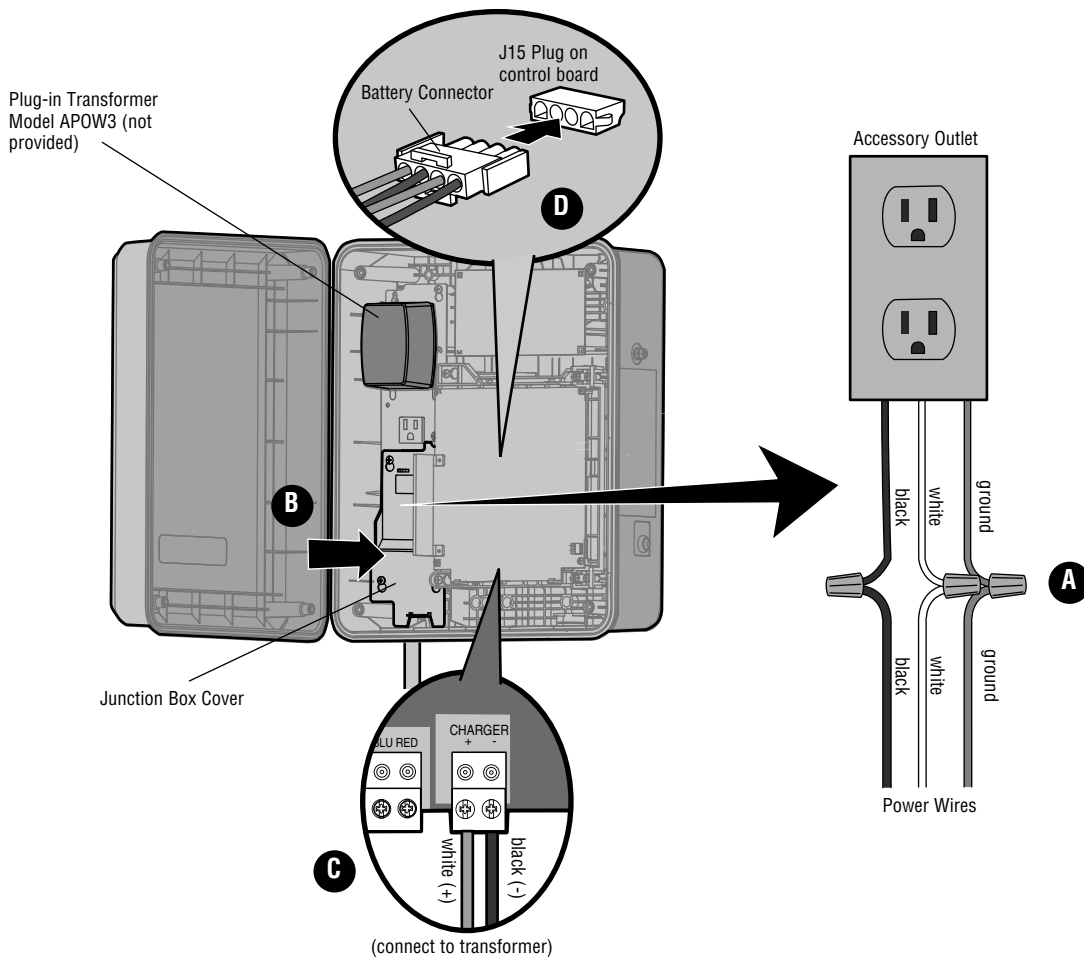
The transformer can be installed inside the control box or it can be connected to an external receptacle. Follow the instructions according to your application.

CONTROL BOX INSTALLATION

- 1 Run the AC power wires to the control box (if applicable).
- 2 Connect the green wire from the accessory outlet to the incoming earth ground rod wire using a wire nut (Figure 2-A).
- 3 Connect the white wire from the accessory outlet to the incoming NEUTRAL (white) power wire using a wire nut (Figure 2-A).
- 4 Connect the black wire from the accessory outlet to the incoming HOT (black) power wire using a wire nut (Figure 2-A).
- 5 Install the junction box cover (Figure 2-B). Ensure the wires are not pinched.
- 6 Wire the transformer (not provided) to the CHARGER input on the control board (positive to positive and negative to negative) (Figure 2-C).

- 7 Plug the transformer into one of the accessory outlets.
- 8 Plug the battery connector to the J15 plug labeled BATT(-)(+) on the control board (Figure 2-D). The control board will power up. **NOTE:** You may see a small spark when plugging the J15 plug into the board.
- 9 Turn ON AC power to the operator.

FIGURE 2



INSTALL THE TRANSFORMER

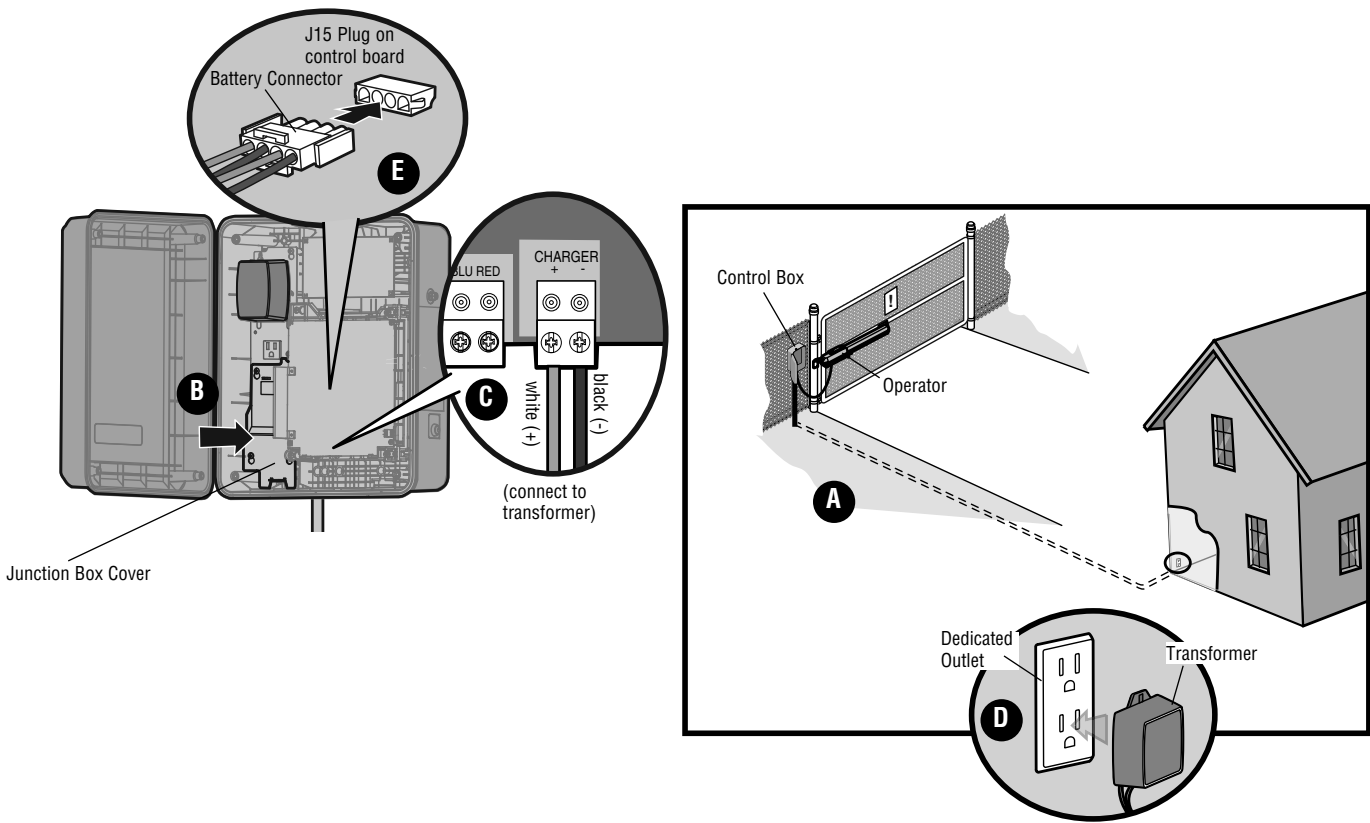
EXTERNAL RECEPTACLE INSTALLATION

- 1 Run low voltage wire between the control box and the external receptacle (Figure 3-A). The transformer must be located in a dry location that is protected from weather conditions, such as inside the house or garage.
- 2 Install the junction box cover (Figure 3-B). Ensure the wires are not pinched.
- 3 Wire the transformer (not provided) to the CHARGER input on the control board (positive to positive and negative to negative) (Figure 3-C).
- 4 Plug the transformer into the external receptacle (Figure 3-D).
- 5 Plug the battery connector to the J15 plug labeled BATT(-)(+) DC(-)(+) on the control board (Figure 2-E). The control board will power up. **NOTE:** You may see a small spark when plugging the J15 plug into the board.

Longer wire runs are susceptible to surges and lightning strikes.

Wire Distance	Wire Gauge
65 feet	18
100 feet	16
165 feet	14
265 feet	12
420 feet	10

FIGURE 3



WIRING DIAGRAM

STANDARD CONTROL BOX

⚡ WARNING

To protect against fire and electrocution:

- DISCONNECT power and battery BEFORE installing or servicing operator.

For continued protection against fire:

- Replace ONLY with fuse of same type and rating.

