

Verifying the Kit

1. Verify Kit (Figure 1 and Table 1).

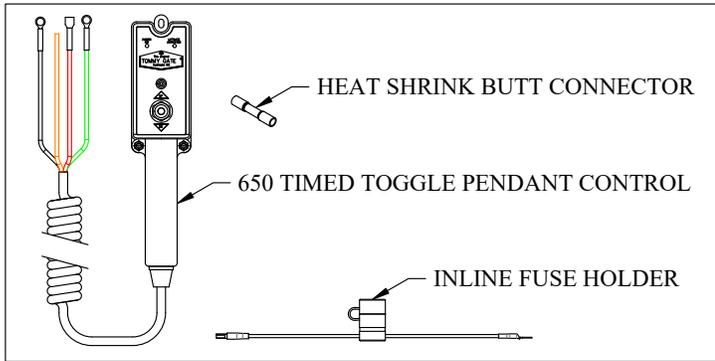


Figure 1: Part Identification.

Table 1: Part List.

QTY.	PART NO.	DESCRIPTION
1	9591	650 Timed Toggle Pendant Control
1	10510	Inline Fuse Holder
1	9089	16-14 Heat Shrink Butt Connector

Replacing the Pendant Control

1. Disconnect the negative battery cable or **Manually Trip** the circuit breaker (Figure 2).

2. **Loosen** the four (4) pump box bolts (Figure 3).
The bolts do not need to be removed.

3. **Remove** the pump box cover (Figure 3).

4. **Remove** the old control and control wiring.

5. **Install** the inline fuse holder if not already present (Figures 5 and 6).

6. **Route** the wires through the pump box the same way as the previous control.

7. **Connect** the wires to the power unit as shown in the Series 650 wiring diagrams (Figures 5 and 6).

8. **Reconnect** the negative battery cable or **Reset** the circuit breaker (Figure 2).

9. **Test** the control operation (Figure 7).

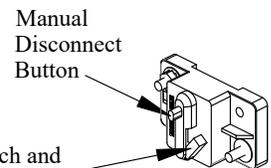


Figure 2: Manually trip circuit breaker.

Caution: Keep the wiring clear of all pinch points and moving parts.

10. **Tighten** the strain relief screws.

11. **Reinstall** the pump box cover.

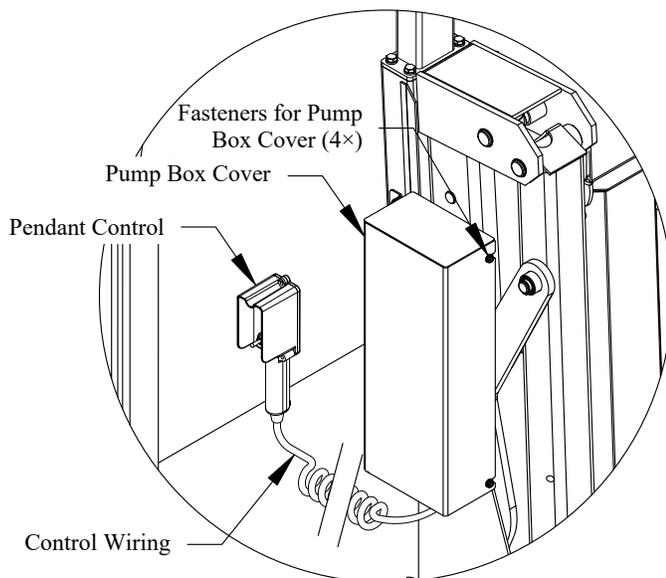


Figure 3: Pump and motor box - closed.

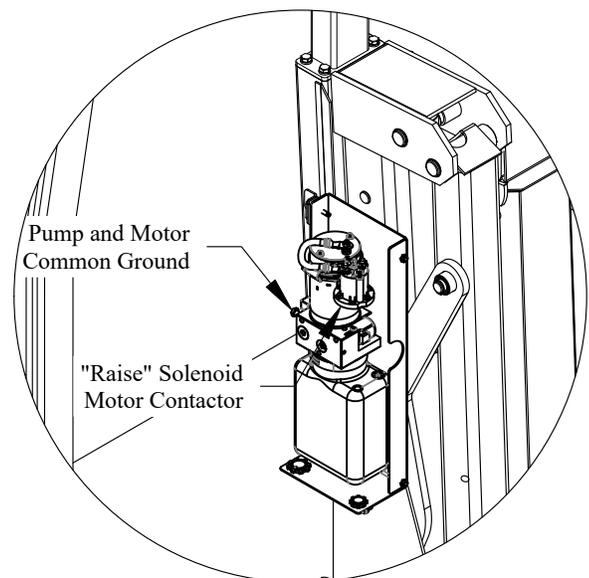


Figure 4: Pump and motor box - open.



ELECTRICAL WIRING DIAGRAM

Standard Pendant Control-Series 650

!!! PLEASE READ AND FOLLOW ALL DIRECTIONS BEFORE PROCEEDING !!!



NOTE !!! IF GATES ARE NOT WIRED IN ACCORDANCE WITH THIS DIAGRAM YOUR WARRANTY WILL BE VOID.



WELDING NOTE !!! DISCONNECT ALL BATTERY CABLES. ALWAYS DISCONNECT THE GROUND CABLE FIRST. ATTACH THE WELDING GROUND TO THE TRUCK RATHER THAN THE LIFTGATE.

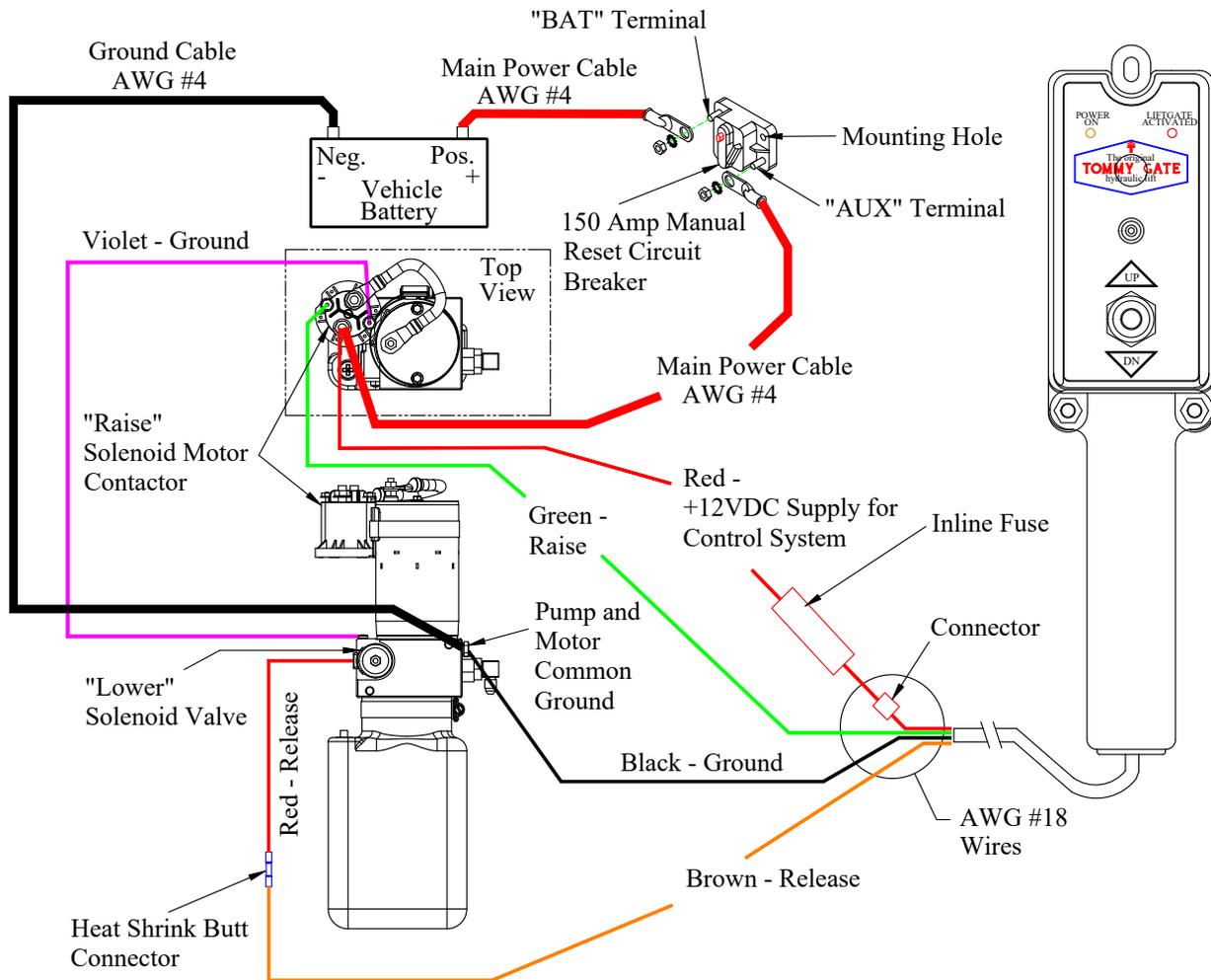


Figure 5: Series 650 wiring diagram.

Legend	
	Circuit Breaker
	Contactor - Normally Open Contacts
	Motor
	Solenoid/Contactor - Coil
	Battery Cable
	Wire
	Grounded through motor chassis.
	Quick Disconnect
	Eyelet Terminal
	Splice
	Fuse

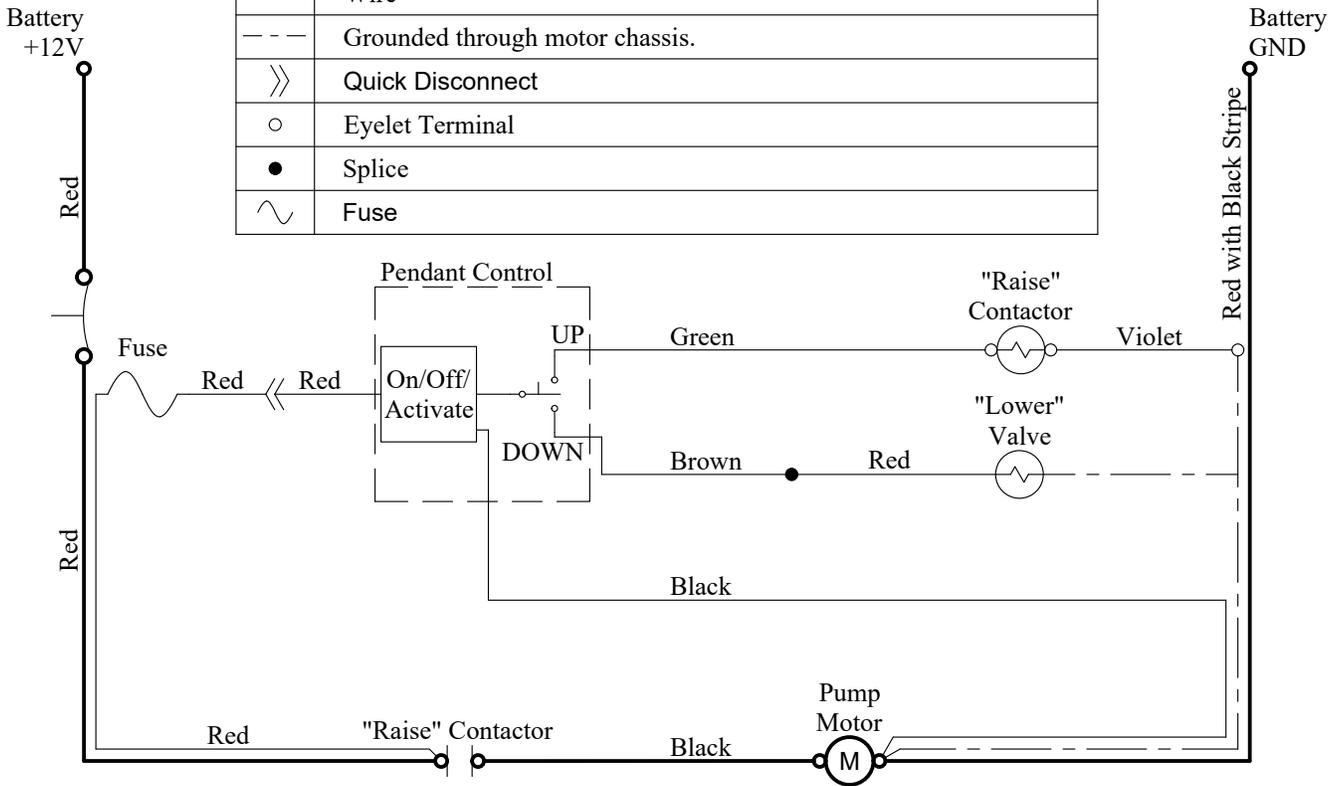


Figure 6: Series 650 ladder logic style wiring diagram.

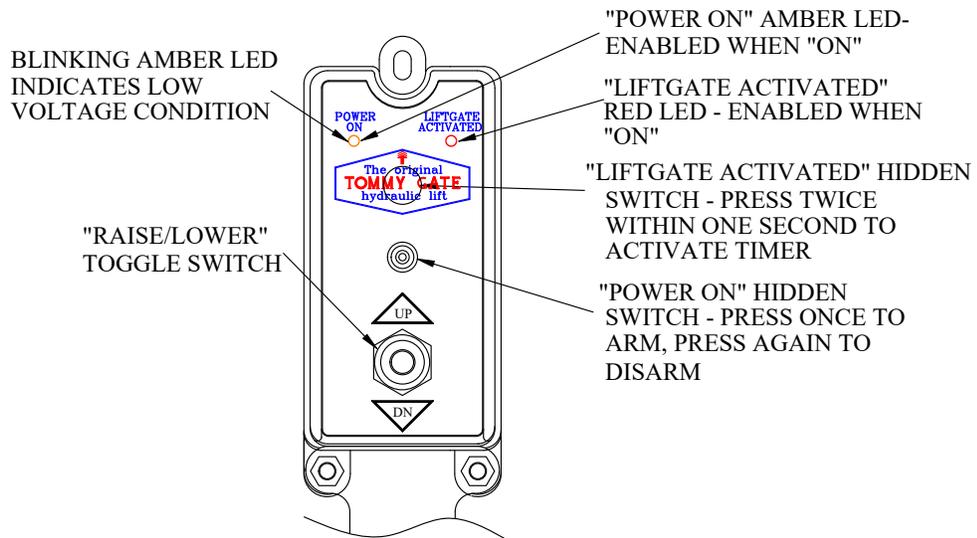


Figure 7: Control operation.