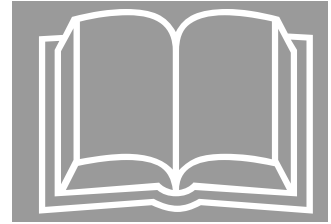


AUGUST 15, 2008

UNITEC®

UT-ID 1.2.2.9-2



UNITEC Replacement for 1Y-6631C Relay Switch

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UNITEC REPLACEMENT FOR 1Y-6631C RELAY SWITCH

Description

The 1Y-6631C electromechanical rotary switch was used in dumbwaiter systems as part of the dispatch and calling circuit.

The 1Y-6631C electromechanical rotary switches have become obsolete; while an electronic replacement is available, it will not fit in the same location as the original switch. A kit AAA21190K2 has been assembled to aid in the installation of this replacement.

The kit contains a wiring harness, ring terminals, AAA21750F1 PCBs on a mounting plate and a copy of this ID.

Table 1: Ordering Information

Description	Part No.	Comments
Replacement for 1Y-6631C	AAA21190K2	Contains PCB, mounting plate, wiring harness, ring terminals, and ID
Box for mounting external to controller	AAA308TB1	Optional, only needed if room not available in the dispatch controller

Required Tools

- Crimping tool (for #18 AWG ring and butt terminals)
- Electrical Insulation Tape
- Power Drill

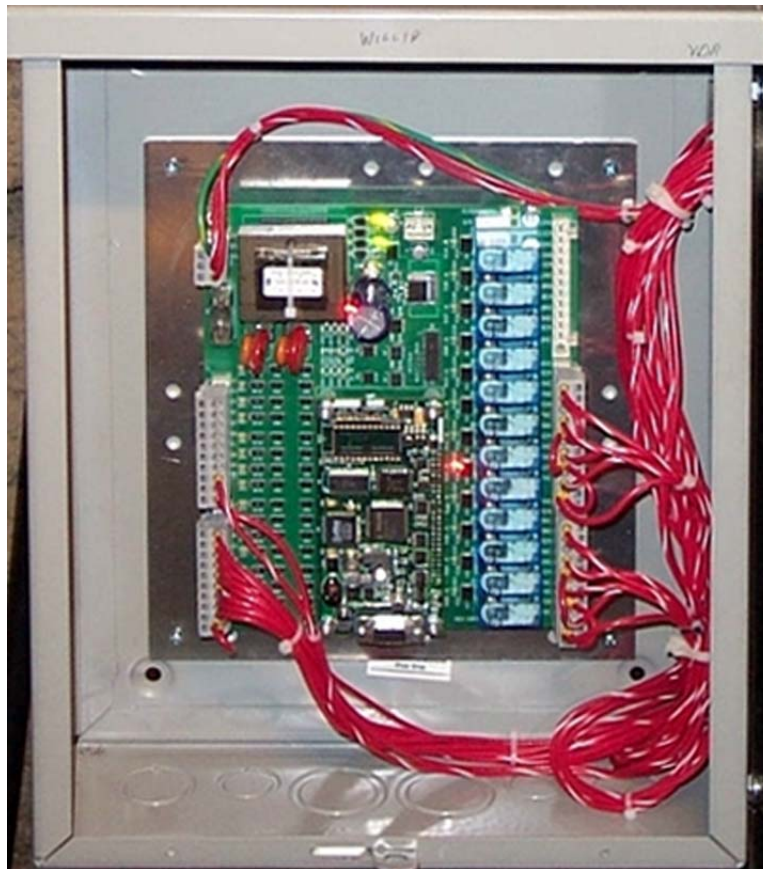


Figure 1: AAA21190K1 Relay I/O PCB Installed in a System

Diagrams of Cables in AAA21190K Kit

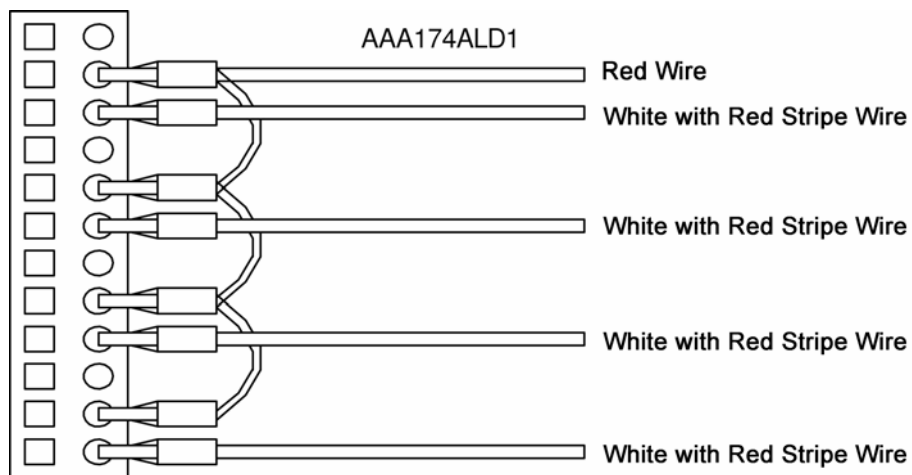


Figure 2: J1, J2 Cable

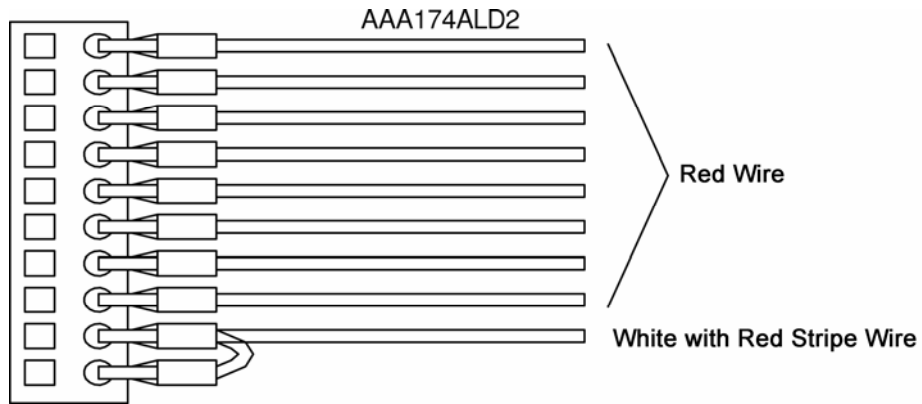


Figure 3: J4 Cable

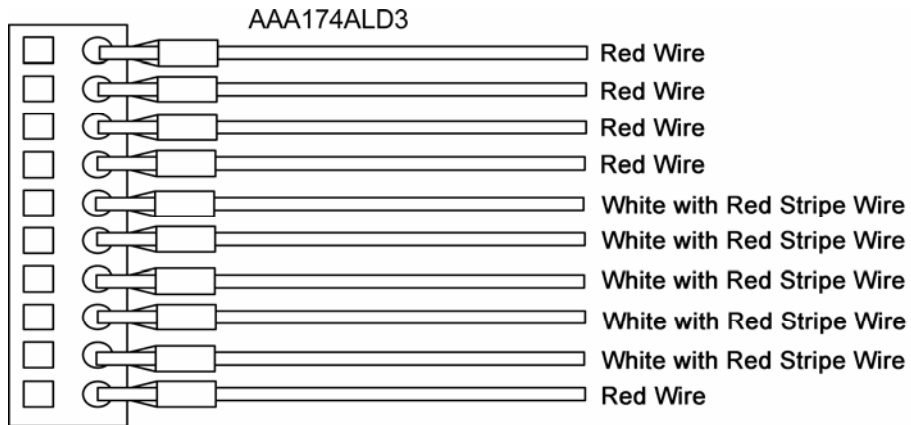


Figure 4: J5 Cable

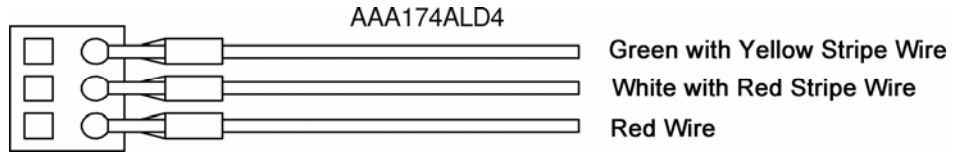


Figure 5: J7 Cable

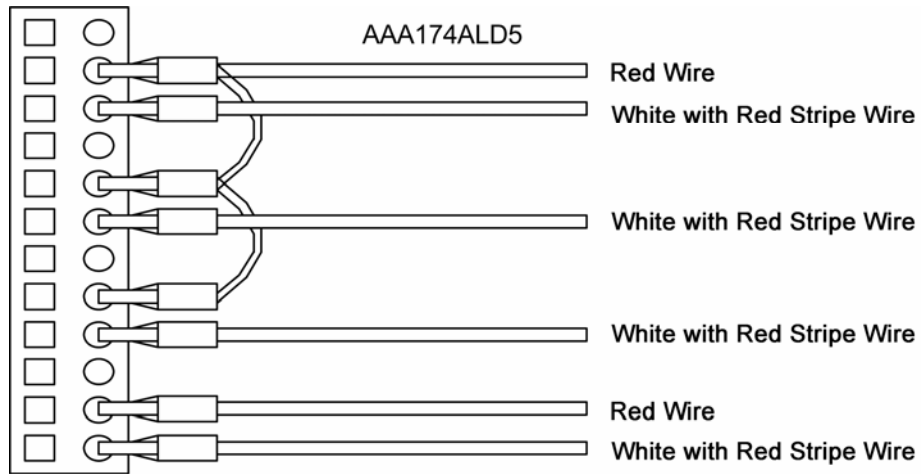


Figure 6: J3 Cable (only used for 1Y-6631C replacement)

Instructions for Replacing the 1Y-6631C Switch

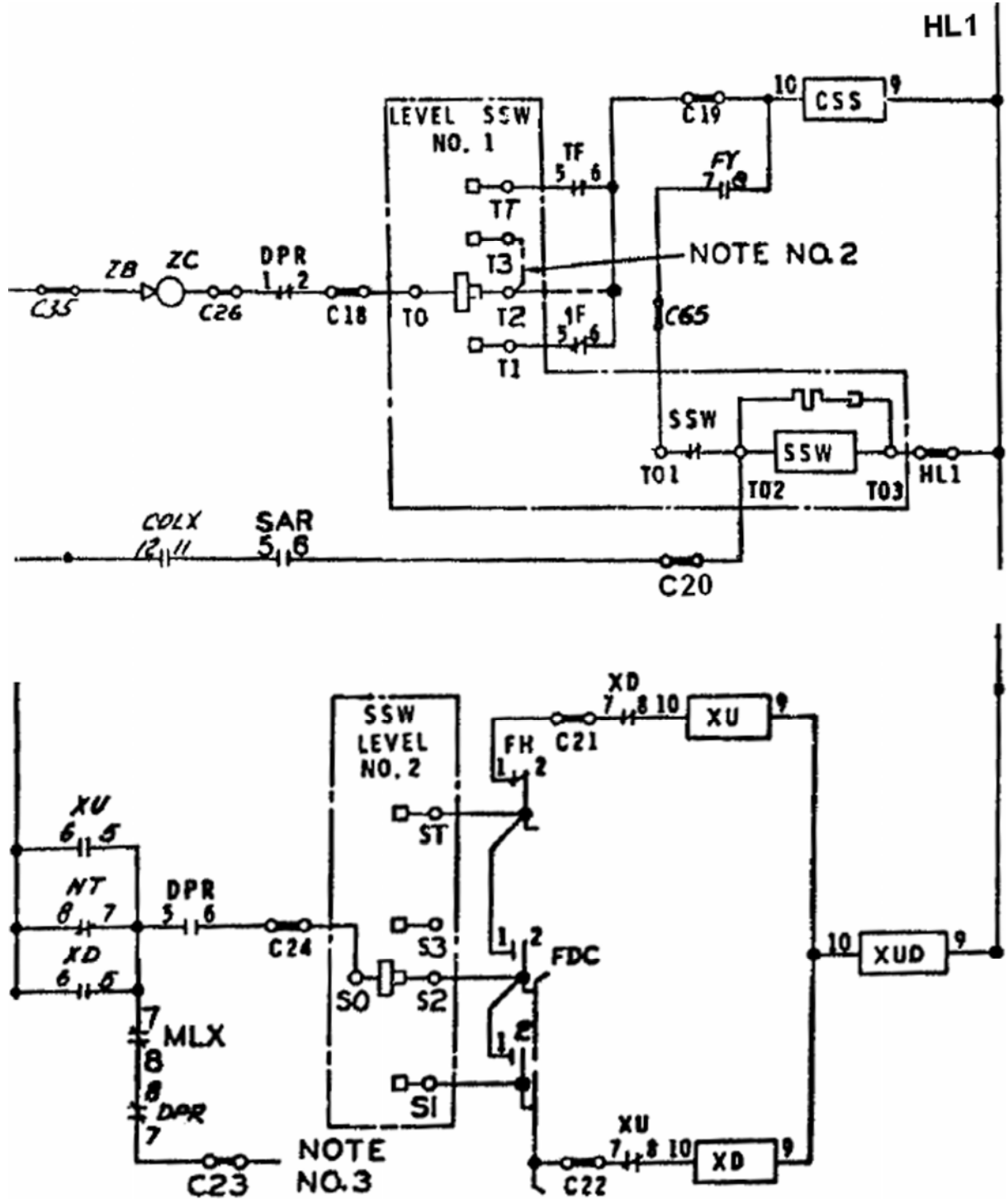


Figure 7: Example of Existing Wiring Diagram

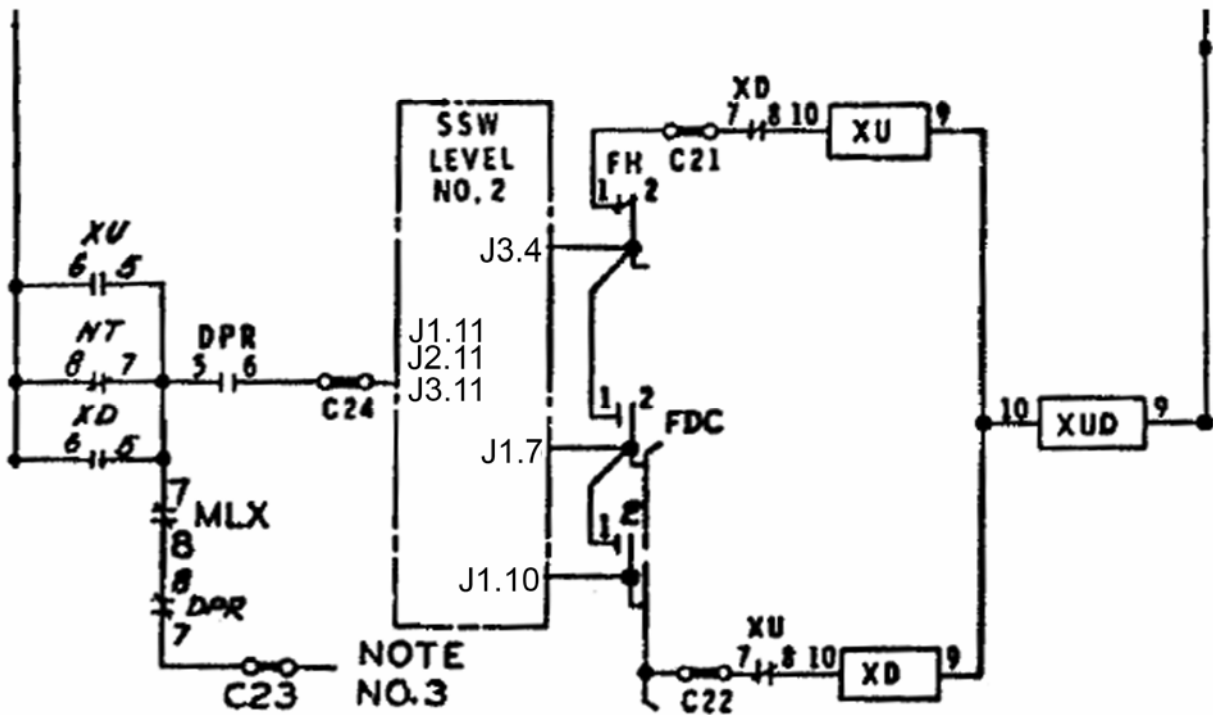
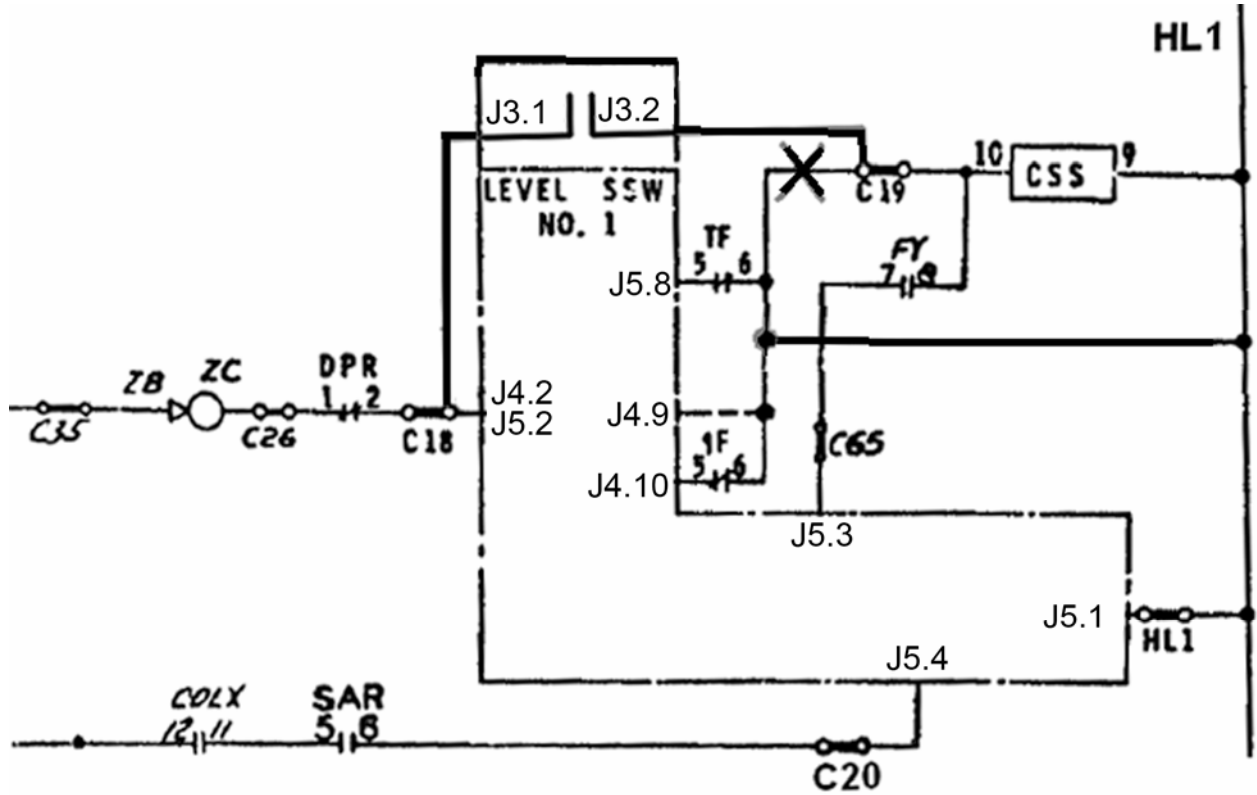


Figure 8: Example of Wiring Diagram with AAA21750F1 Installed

UNITEC REPLACEMENT FOR 1Y-6631C RELAY SWITCH

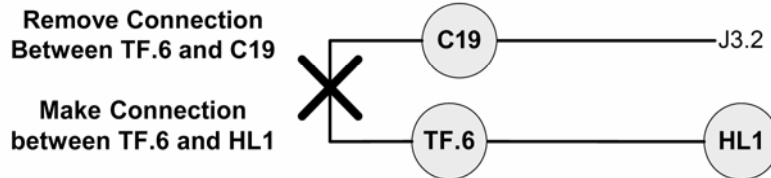
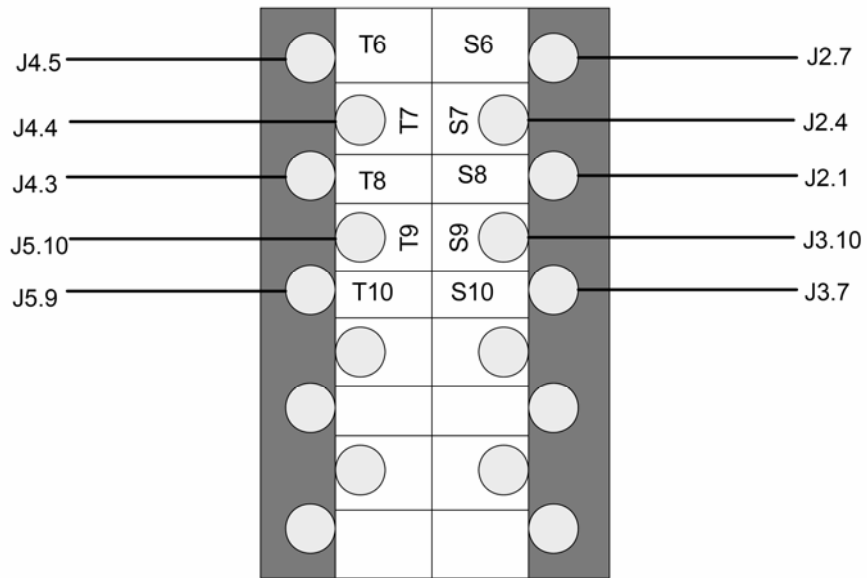
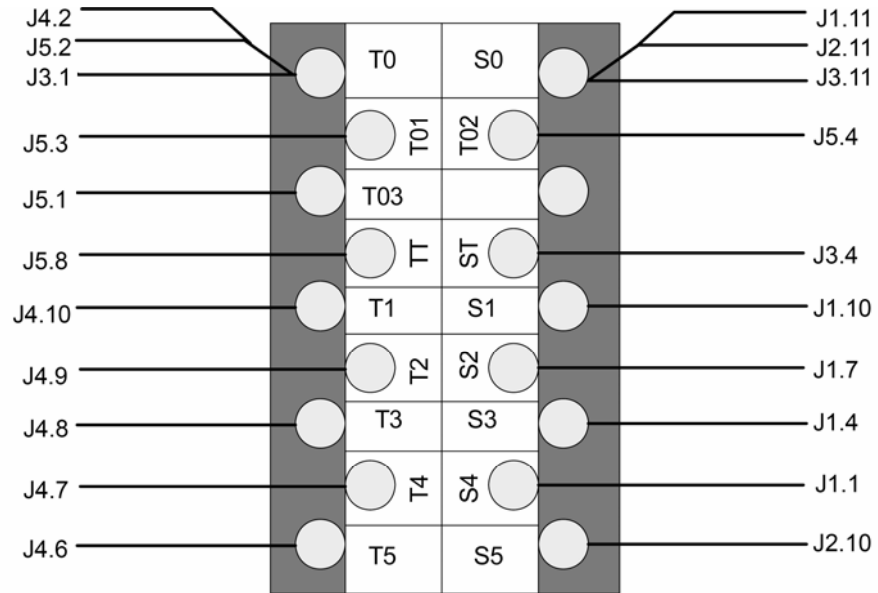


Figure 9: Replacement Wiring to 1Y-6631C Terminal Block

1Y-6631C Wiring Instructions

1. **Lock out and tag out.**
2. Mount the replacement PCB in the controller in a convenient location.
3. On the terminal block for the 1Y-6631C switch remove the wires on T0, T01, T02 and S0 that connect to the 1Y-6631C mechanical components. (This disables the 1Y-6631C from operation without removing it from the controller.) Use electrical tape to insulate these ring terminals.
4. Wire the circuits to the existing 1Y- 6631C terminal block as shown in Figure 9 using the ring terminals included in the kit.
5. Remove the wire between C19 and the floor relays (TF.6, 1F.6...).
6. Make a wire between the floor relays (TF.6, 1F.6 ...) and HL1. You may use the Post T03 for this purpose if it is easier.
7. Wire J7 harness such that the green wire (J7.3) connects to ground, the black wire (J7.1) connects to 120 VAC, and the White/Black wire (J7.2) connects to 120 VAC return.
8. Turn on 120 VAC supply to PCB.
9. Observe two Green LEDs (LED17 and LED18) illuminated near transformer T2. Observe flashing green LED on processor (AAA26800APJ1).
10. Return the car to service and observe operation.