

TECHNICAL BULLETIN



TB0061 Introduction of Printed Circuit Board (PCB) to SMARTlift

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We have upgraded the wiring of the SMARTlift control system to a Printed Circuit Board (PCB) Design. The circuit design and functionality remains unchanged.

Description:

The internals of most junction boxes have been replaced with PCBs. All internal interconnects are now on the PCB. Wires leading out of the junction boxes are connected to junction blocks, which are labeled as an aid to assembly and diagnosis.

Models:

Model	Internals of which Junction Boxes replaced with PCB's
SB361, SB401	F, R, E and B
SB330	E and B

Spare Parts:

The part number printed on the board itself is not a spare part number. For the assembled board spare part number, refer below:

SMARTlift All models B-Box PCB Assembly = EL-37677

SMARTlift All models E-Box PCB Assembly = EL-37675

SMARTlift SB361-401 Right Hand Module Junction Box PCB Assembly = EL-37676

SMARTlift SB361-401 Left Hand Module Junction Box PCB Assembly = EL-37748

Backward Compatibility:

The PCB design is backwards compatible with the previous design. i.e. Any older style junction box can be swapped with a corresponding PCB design without problems.

Use Instructions:

This system uses LEDs to aid circuit diagnosis:

Red LEDs are located adjacent to fuses. An illuminated red LED indicates a blown fuse.

Green LEDs are located adjacent to relays. An illuminated green LED indicates an energized relay.

Benefits and Advantages to Change:

The PCB design decreases the possibility of incorrect wiring, and reduces the possibility of connections working loose in the field due to vibration.

The red and green LEDs help with system diagnostics.