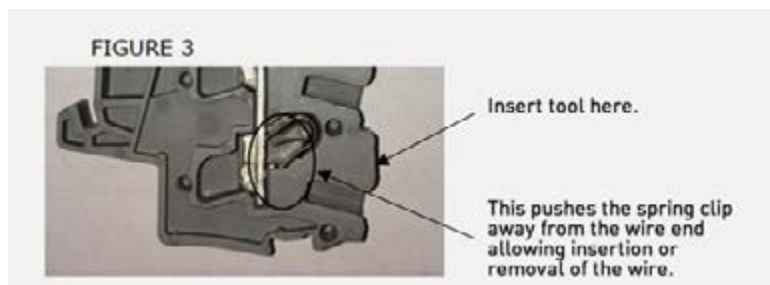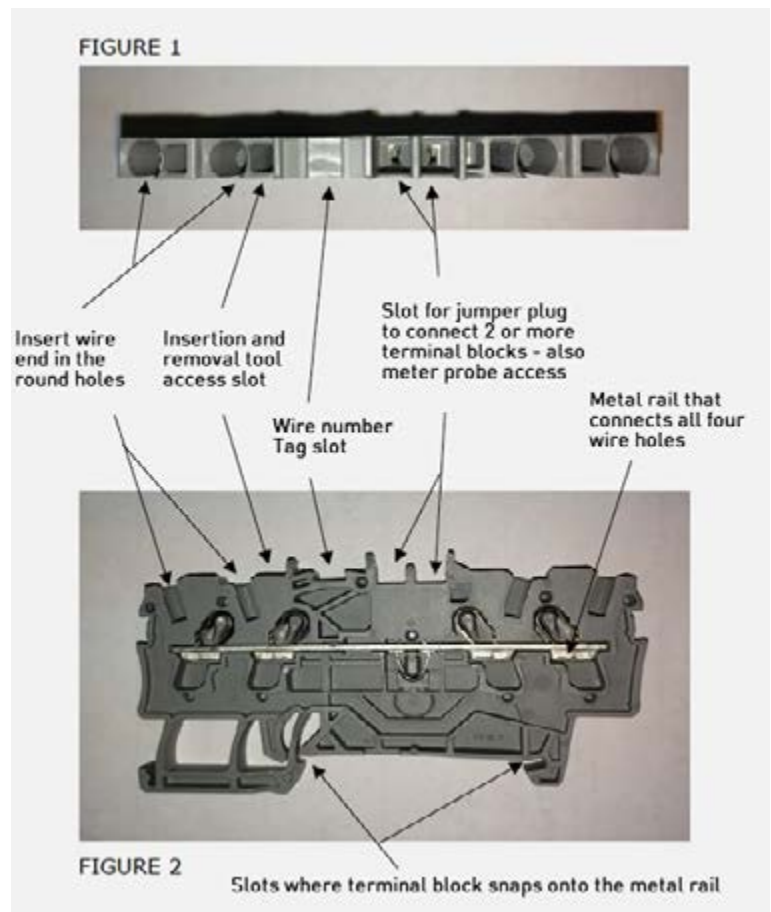# ELECTRICAL – TERMINAL BLOCKS

The electrical circuit terminal blocks used in the Skyjack Aerial Work Platforms are a method to neatly and securely terminate wires of the same circuit at a common point. Each terminal block can hold four conductors of the same circuit. Each block is attached to a metal rail mounted to the panel or control box and are 'stacked' side by side to form one terminal strip assembly.
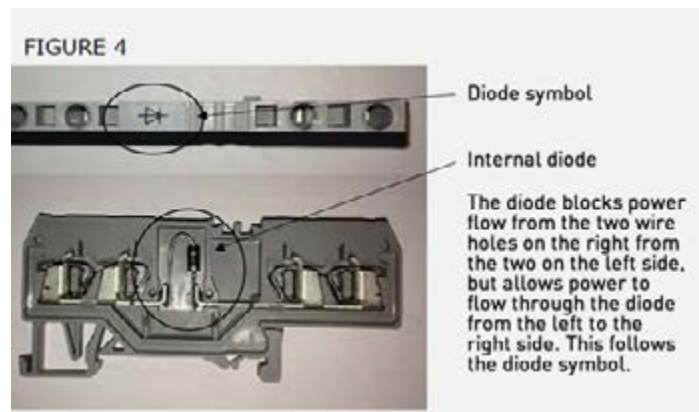
Figure 1 shows a single block from the top as you would see it in a machine. Figure 2 shows the block from the side and you can see the spring clips that secure the wires inside the block and how all four wire holes connect to each other.

To insert or remove a wire from the block, insert a thin blade screwdriver into the slot adjacent to the desired wire location and push in firmly. This pushes the spring metal clip away from the wire end and the wire can be inserted or removed from the round hole. See figure 3.

FIGURE 1

Insert wire end in the round holes

Insertion and removal tool access slot

Slot for jumper plug to connect 2 or more terminal blocks – also meter probe access

Wire number Tag slot

Metal rail that connects all four wire holes

FIGURE 2

Slots where terminal block snaps onto the metal rail

FIGURE 3

Insert tool here.

This pushes the spring clip away from the wire end allowing insertion or removal of the wire.

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To test a circuit at the terminal block with a voltmeter probe, insert the probe into either the insertion tool slot to contact the spring clip, or use the jumper slots next to the wire number tag area.

Some of the terminal blocks are equipped with an internal diode. These blocks have a diode symbol in the middle of the block. The diode separates two round wire holes from the opposite two holes. Figure 4 shows the diode-equipped terminal block.

FIGURE 4

Diode symbol

Internal diode

The diode blocks power flow from the two wire holes on the right from the two on the left side, but allows power to flow through the diode from the left to the right side. This follows the diode symbol.

Knowing how the terminal blocks work will make troubleshooting electrical circuits easier and more accurate.

If you have any questions regarding your Skyjack product, please contact Skyjack Product Support at 1-800-275-9522 or email service@skyjack.com.