

INSTALLATION INSTRUCTIONS
FOR RPX-4053A
FIELD MODIFICATION KIT

The RPX-4053A Field Modification Kit for the TEK-5E Test Bench Metering Panel makes it possible to reverse the polarity of M-1 and M-2 when the panel is used with equipment requiring this modification, such as the MITREK radios. It consists of a four pole double throw toggle switch (40-80333A85) pre-wired to two four conductor cables, and an identification label (33-80333A70).

The switch may be installed either in the panel location provided for jack TP-1 or in another $\frac{1}{4}$ diameter hole drilled in the front panel in line with and $1\frac{1}{4}$ inches to the left of TP-1. If TP-1 is removed, resistor R-9 and the red-yellow wire between J-2 and TP-1 must also be removed.

Before installing the new switch, the four wires connecting meters M-1 and M-2 to S-5 should be removed. They are colored brown-white, brown, red-blue and red; a note should be made of the termination positions of both ends of these wires. Next, the switch position identification label should be applied to the panel, making sure that the hole in the label is aligned with the $\frac{1}{4}$ inch panel hole to be used for the switch. Finally, the switch should be installed with the alignment notch on the threaded bushing facing down, the hex nut inside the panel and the flat washer and round nut outside the panel.

The wires connected to the switch are tied into two cables, one about $1\frac{1}{2}$ inches longer than the other. These wires are color coded the same as the four wires previously removed and must be connected at the proper locations to the previously identified terminals. The wires in the longer cable should be connected to the meters, those in the shorter cable to S-5.

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