



# SERVICE BULLETIN

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Supersedes:Nothing

Form 160.49-M2 (SB19) (698)

File With 160.49-M2

**SUBJ.:** CHECKING THE 5 VOLT SUPPLY

**PROBLEM:** DISPLAY SHOWS NO.'S, LETTERS,  
CHARACTERS, ETC.....

### **SOLUTION:**

THE PROBLEM DESCRIBED ABOVE DEPICTS THAT THE 5 VOLT SUPPLY IS BEING PULLED DOWN.

TO TROUBLE SHOOT THIS PROBLEM, PLACE YOUR METER LEADS ON TPA ( +5V ) AND TPC ( GND. ) TO MONITOR THE 5 VOLT SUPPLY. THESE TEST POINTS ARE LOCATED ON THE MICRO BOARD AT THE BOTTOM CENTER OF THE BOARD.

ONCE YOUR METER IS CONNECTED , START REMOVING ALL THE COMPONENTS ( ONE AT A TIME ) THAT THE 5 VOLT SUPPLY FEEDS ( IE.. TRANSDUCERS, THERMISTORS, ETC.. ).

WHEN YOU REMOVE THE COMPONENT THAT IS PULLING DOWN THE SUPPLY YOUR METER WILL RISE BACK UP TO 5 VOLTS. REPLACE THE DEFECTIVE COMPONENT.