



PRODUCTION CHANGE and SERVICE BULLETIN

NOTE: INSERT THIS PAGE IN RELATED SECTION OF SUN REPAIR MANUAL

NOVEMBER 1977

Subject

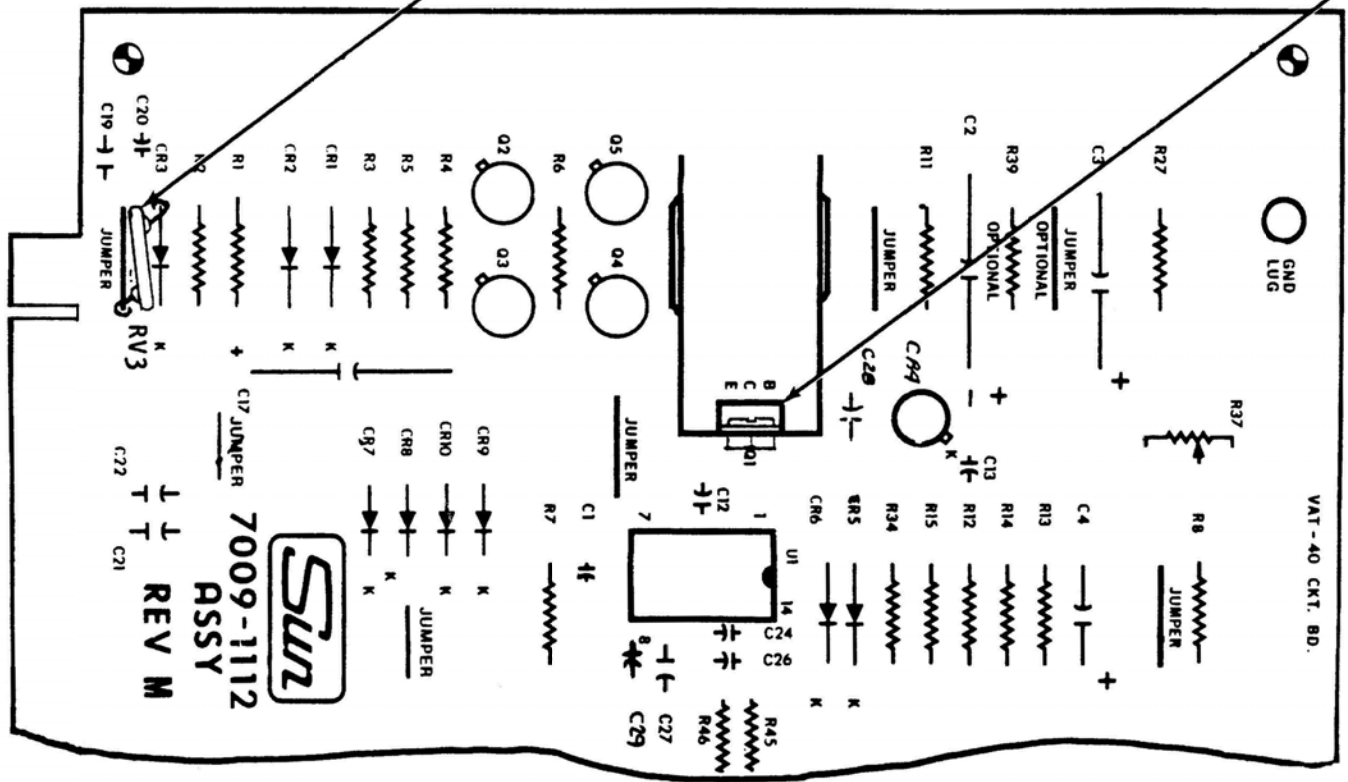
MODIFICATION TO MINIMIZE THE FAILURE RATE OF TRANSISTOR Q1
AND INCREASE THE RELIABILITY OF THE VAT-40 VOLT AMP TESTER.

THE 7009-1112 CIRCUIT BOARD USED IN THE VAT-40 VOLT AMP TESTER HAS BEEN MODIFIED TO DECREASE THE FAILURE RATE OF POWER TRANSISTOR Q1 (PASS REGULATOR). TRANSISTOR Q1 HAS BEEN REPLACED WITH ONE THAT HAS TWICE THE EMITTER-COLLECTOR BREAKDOWN VOLTAGE RATING. VARISTOR RV3 HAS BEEN ADDED ACROSS THE POWER INPUT LEADS (PINS A and B) TO SHUNT ANY VOLTAGE TRANSIENTS ABOVE 68 VOLTS.

TO MINIMIZE THE FAILURE RATE OF Q1 AND INCREASE THE RELIABILITY OF THE VAT-40 VOLT AMP TESTER MAKE THE DESCRIBED MODIFICATIONS LISTED BELOW.

CHANGE TRANSISTOR Q1 FROM ---- 0776-0233 ---- (2N6109) ---- Vceo 50 VOLTS
TO ---- 0776-0253 ---- (2N6476) ---- Vceo 120 VOLTS

ADD VARISTOR RV3 BETWEEN ANODE OF CR3 AND INBOARD END OF ADJACENT JUMPER
0749-0209 ---- 68 VOLTS @ 1 ma D.C. ---- (GE #V68ZA10)



VAT-40 CIRCUIT BOARD 7009-1112 REV "M" OR LATER WILL INCORPORATE THESE CHANGES.