

SERVICE BULLETIN

#352

Sun

VAT-40 QUICK CAL. GUIDE

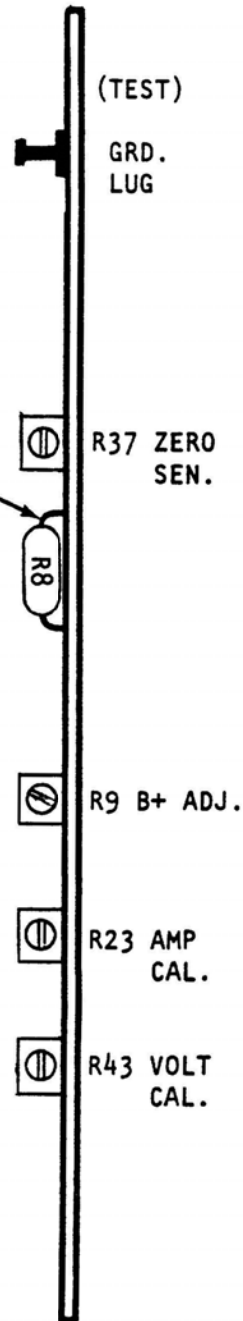
MODEL VAT-40
VOLT-AMP TESTER
QUICK CAL. GUIDE

FOR A " QUICK CAL.CHECK " OF A QUESTIONABLE VAT-40 VOLT-AMP TESTER, USE A KNOWN GOOD VAT AND A GOOD 12V BATTERY AS A STANDARD.

1. CHECK INT. VOLTS CONNECT VAT-40 AND VAT STANDARD TO 12V BATTERY.
 VAT-40 V. METER SHOULD AGREE WITH STANDARD \pm 2% OF FULL SCALE.
 IF NOT, ADJ. R43 (VOLT CAL.) TO AGREE WITH STANDARD.
2. CHECK EXT. VOLTS VAT-40 SHOULD AGREE WITH STEP 1.
3. CHECK VAT-40 B+ V. SHOULD BE 3.25V \pm .05V (AT R8 TO GROUND)
 IF NOT, ADJ. R9 (B+ ADJ.)
4. CHECK FRONT PANEL ZERO ADJ. RANGE SHOULD DEFLECT AMP METER A MIN. OF 0-FS LEFT AND 0-FS RIGHT.
 IF NOT, ADJ. R37 (ZERO SENSITIVITY)
5. CHECK 100 AMP SCALE CAL. SET STANDARD TO APPROX. 80 AMPS.
 WITH AMP CLAMP OF VAT-40 AROUND LOAD LEAD
 VAT-40 AMP METER SHOULD INDICATE SAME AS STANDARD \pm 2% OF FULL SCALE.
 IF NOT, ADJ. R23 (AMP CAL.) TO AGREE WITH STANDARD.
6. CHECK 100/500 AMP METER CORRELATION VAT-40, 500 AMP SCALE (SW.IN #1) SHOULD INDICATE SAME AMPS AS IN STEP 5. \pm 2% OF FULL SCALE.
7. FIELD CIRCUIT CHECK USE 12V TEST LAMP (SUN #6005-0018).
 CONNECT ONE END OF TEST LAMP TO FIELD LEAD.
 CONNECT OTHER END TO —————→

+ POS	- NEG
"A"	"B"

 PRESS FIELD SELECTOR SWITCH TO —————→
 TEST LAMP SHOULD LIGHT.



VAT-40 CKT.BD. #7009-1112

NOTE: REFER TO VAT-40 SERVICE MANUAL IF UNABLE TO "QUICK CAL. VAT-40 TESTER".