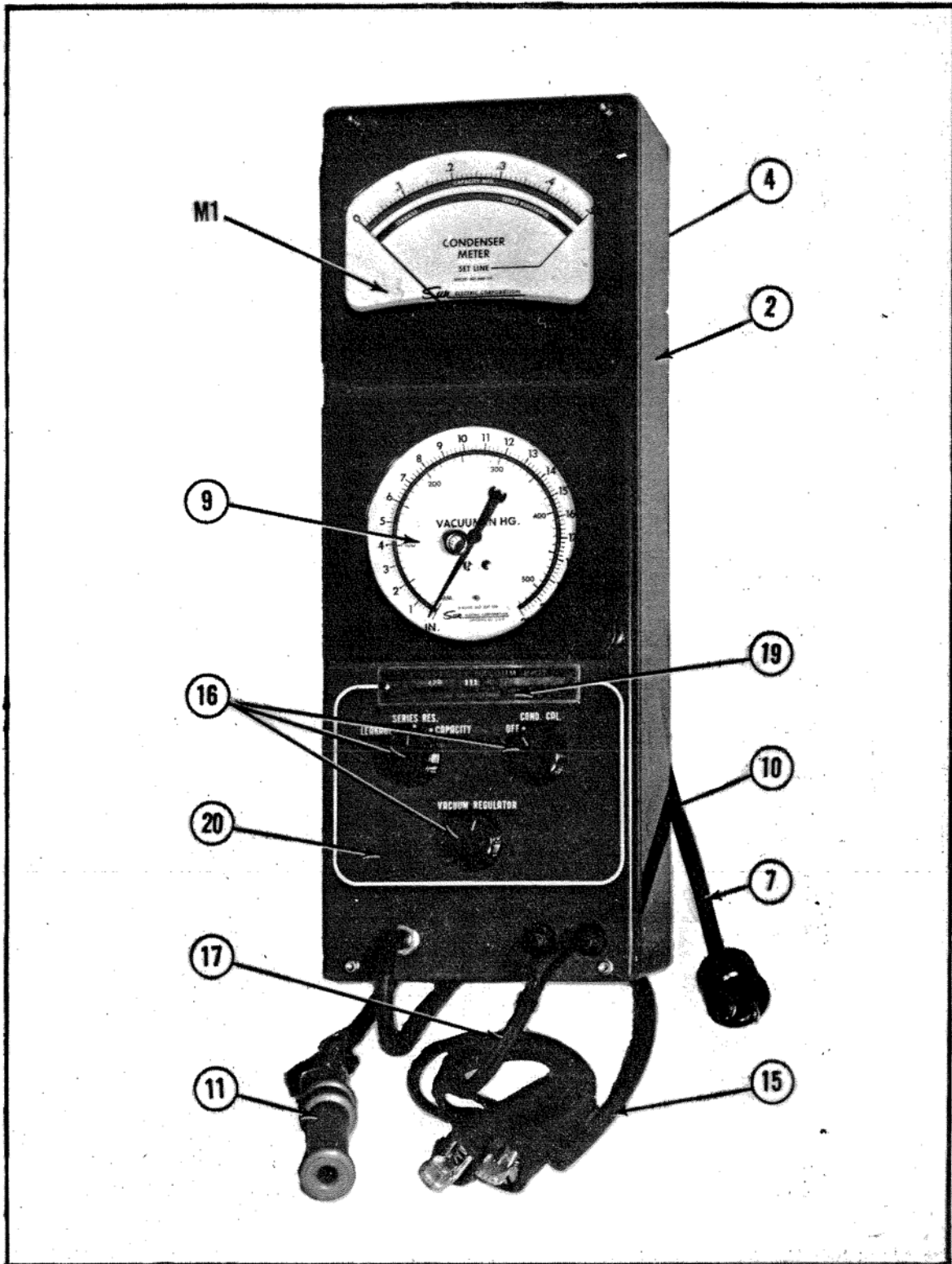
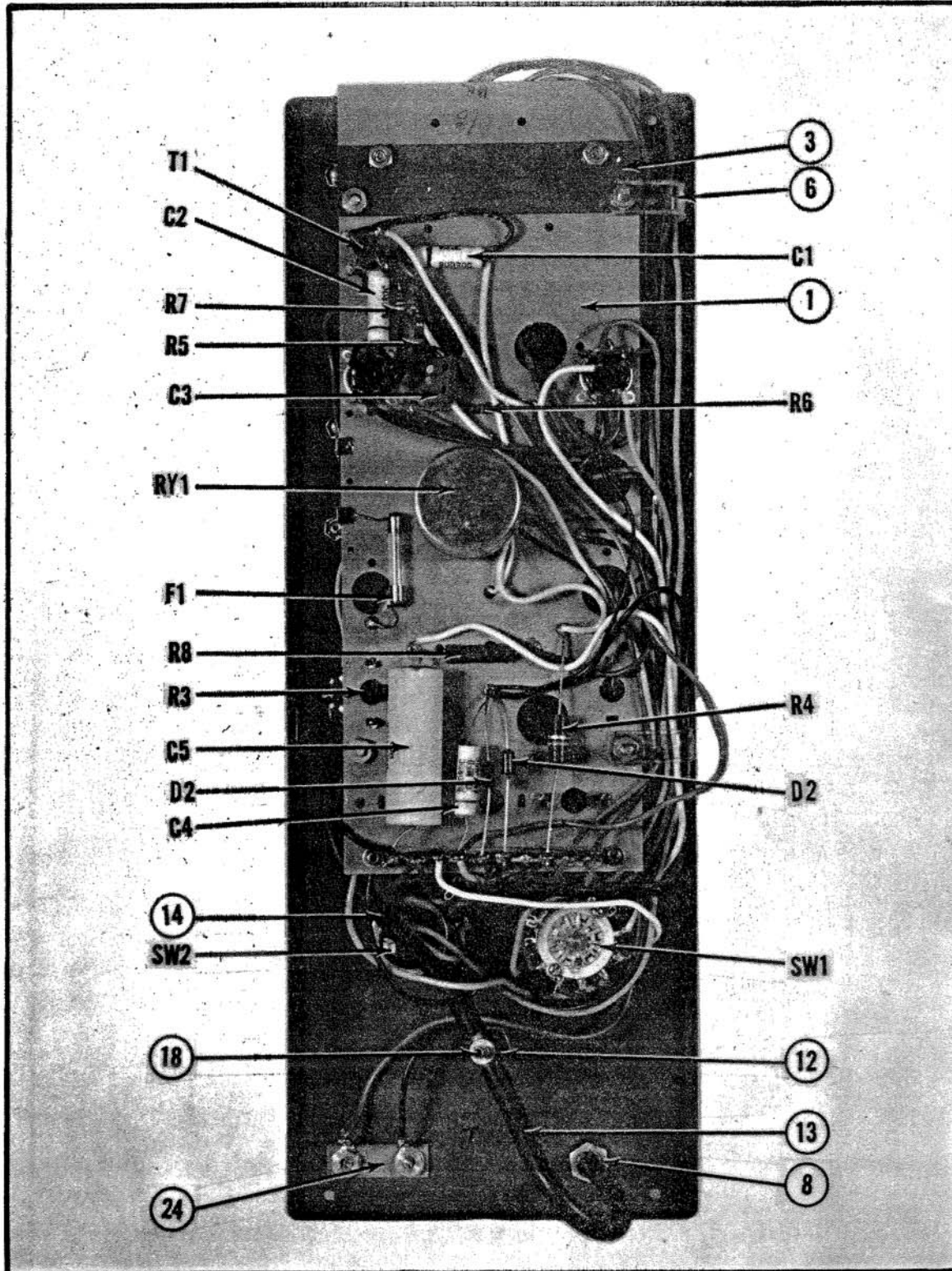
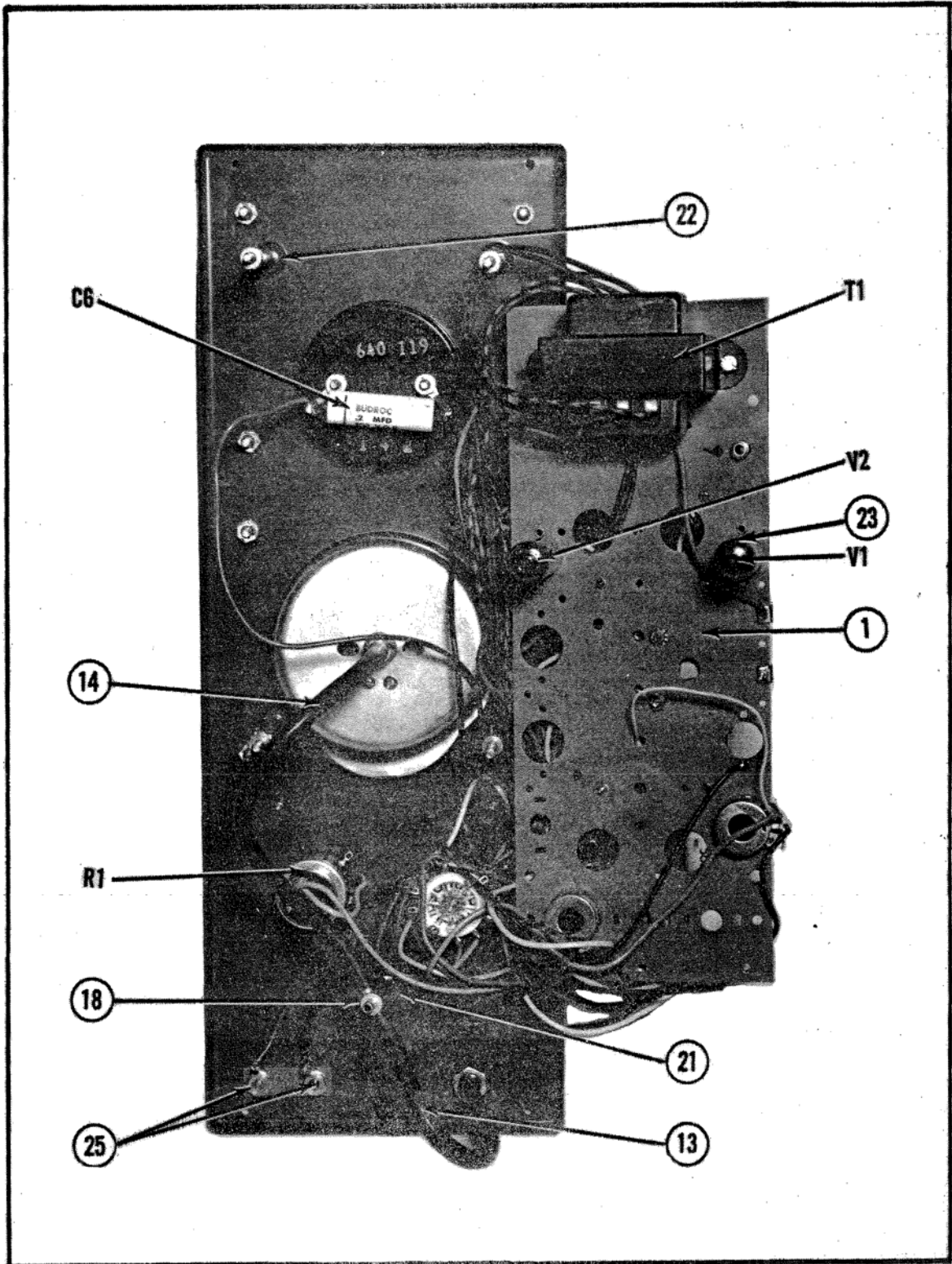


REPAIR MANUAL







REPAIR PARTS

ITEM	DESCRIPTION	QUAN. USED	PART NO.
C1	CAPACITOR, 0.005 MFD - 600V	1	679-122
C2,4	CAPACITOR, .01 MFD - 400V	2	679-123
C3	CAPACITOR, .0005 MFD - 500V	1	860-3
C5	CAPACITOR, .25 MFD - 600V	1	679-124
C6	CAPACITOR, .2 MFD - 200V	1	679-143
D1,2	DIODE, Rectifier (5A2)	2	771-117
F1	FUSE, 1/2 Amp - Pigtail	1	739-12
M1	METER, Condenser	1	640-119
	Case & Glass	1	4-306A
R1	RESISTOR, Variable - 400 Ohm - 4W - w/switch	1	685-106
R2	RESISTOR		NONE
R3	RESISTOR, Variable - 600 Ohm - 1/2 W 30%	1	685-104
R4	RESISTOR, 10K - 2W - 10%	1	680-168
R5	RESISTOR, 3.3K Ohm - 1/2W - 10%	1	680-113
R6	RESISTOR, 680 Ohm - 1/2W - 5%	1	680-67
R7	RESISTOR, 270K Ohm - 1/2W	1	680-63
R8	RESISTOR, 465K - 1W - 1%	1	680-62
RY1	RELAY	1	482-22
S1	SWITCH, Rotary - 3 Pos. - 2 Deck	1	762-61
S2	SWITCH (Part of R1, #685-106)		
T1	TRANSFORMER, R. F.	1	778-190
T2	TRANSFORMER, Power	1	778-127
V1	TUBE, 6AQ5	1	859-8
V2	TUBE, 6X4	1	859-7
1.	Board Assembly, Mounting	1	7008-027
	Socket, Tube	2	1918-5
	Retainer Base, Tube	2	5398-501
	Strip, Terminal.	1	1365-1
2.	Box Assembly	1	7020-188
3.	Bracket, Transformer Mounting	1	5984
4.	Bushing, Heyco - SR-6P1	1	2035
5.	Clamp, Cable	1	718-110
6.	Clamp, Wire Holder - 1/2" I. D.	1	718-108
7.	Cord, A. C. Power.	1	6001-7
	Plug, A. C.	1	825-3
	Cap	1	1828-5

FOR EXPORT MODEL VARIATIONS. . . SEE ATTACHED SHEET

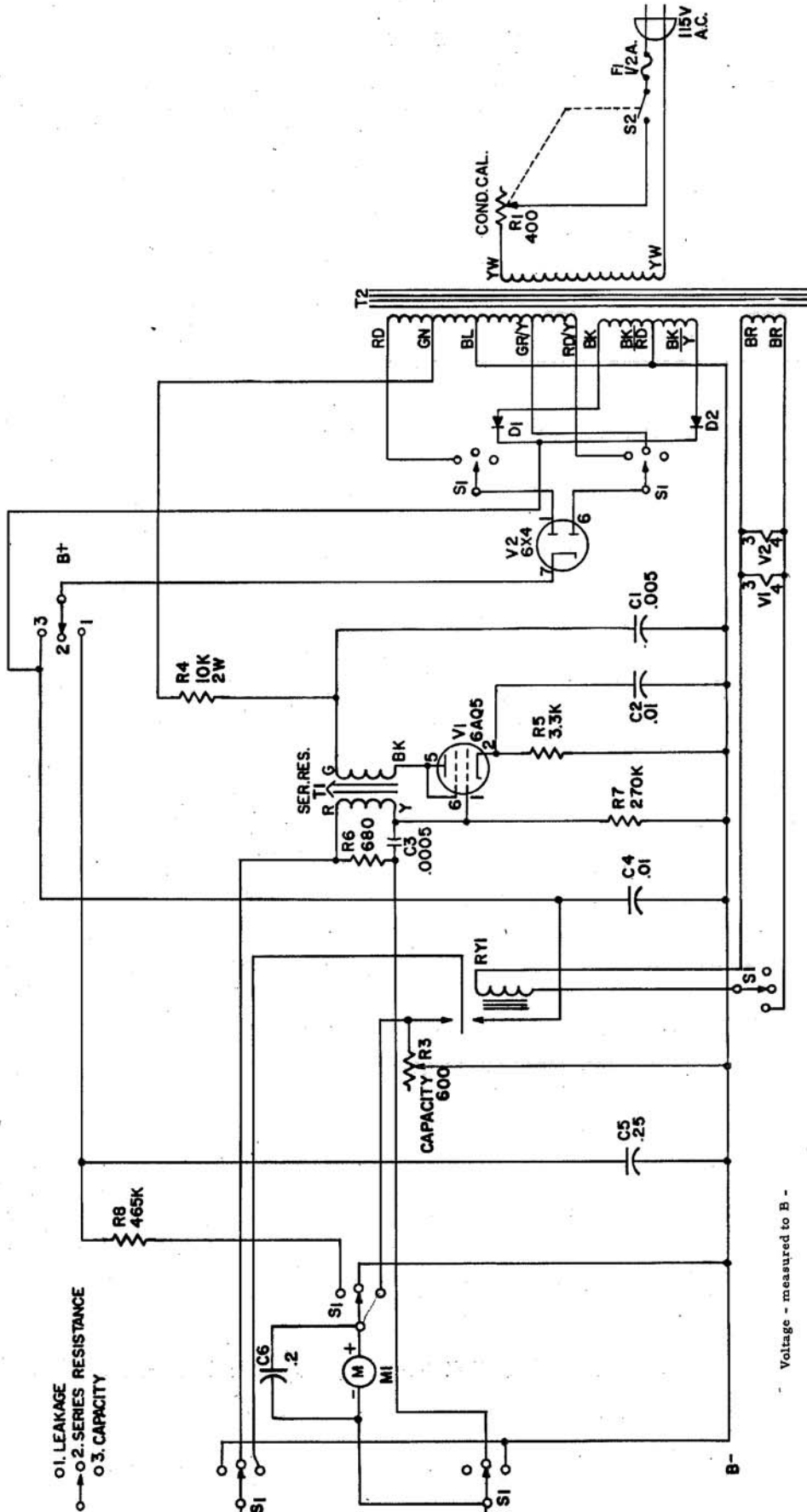
REPAIR PARTS

ITEM	DESCRIPTION	QUAN. USED	PART NO.
8.	Fitting, Vacuum; Panel	1	2209
9.	Gauge, Vacuum	1	337-104
	Case & Glass Ass'y	1	7037-503
	or		
	Gauge, Vacuum	1	337-108
	Case & Glass Ass'y	1	7037-507
10.	Grommet, 3/8" I. D. , 5/8" O. D.	1	501-3
11.	Hose Assembly	1	6006-1
	Nipple	1	201
	Nozzle, Red Rubber	1	564-2
	Clamp, Hose	1	671-217
12.	Hose, Neoprene - 1 1/8"	1	669-504
13.	Hose, Neoprene - 3 1/2" Lg.	1	669-532
14.	Hose, Neoprene - 7"	1	669-533
15.	Hose, Neoprene - 33"	1	669-503
16.	Knob, 1 1/8" O. D. - Black	3	1492-6
17.	Lead Assembly, Condenser Test	1	6004-6
	Insulator, Black.	2	190-1
	Clip, #27	2	672-3
	Collar, Black	2	3854-1
18.	MANIFOLD, Vacuum	1	297-2A
19.	NAMEPLATE	1	1242-28
20.	Panel, Front - Screened	1	4-455-12
21.	Regulator Assembly, Vacuum	1	2-2033
22.	Spacer, Steel - 2 1/2" Lg.	4	401-261
23.	Spring, Tube Retainer	2	5398-506
24.	Strip, Insulating	1	3855
25.	Terminal, Lead	2	3853

CARTONS AND INSERTS

CARTON	1	673-153
INSERT	1	673-153-1
PAD	2	673-153-2

FOR EXPORT MODEL VARIATIONS. . . SEE ATTACHED SHEET



○ 01. LEAKAGE
 ○→○ 02. SERIES RESISTANCE
 ○ 03. CAPACITY

	VI		V2			
Leakage	1	2	5	6	7	
Ser. Res.	0	3.5V. D.C.	145V. A.C.	400V. A.C.	400V. A.C.	530V. D.C.
Capacity	0	- .20D.C.	6.4V. D.C.	140V. A.C.	200V. A.C.	-
	0	3.5V. D.C.	145V. A.C.	-	-	22V. D.C.

Voltage - measured to B -
 Meter
 D. C. 20,000 OHM/VOLT
 A. C. 5,000 OHM/VOLT
 Input - - - 115 Volts, A. C.
 Leads - - - Clips together
 Cond. Cal. Control - Fully Clockwise

CALIBRATION AND ADJUSTMENT PROCEDURE

EQUIPMENT NEEDED

SRT-2 A. C. Power Supply
SRT-13 R. C. Test Box

CALIBRATION PROCEDURE

1. Connect the 52 unit to the SRT-2 adjusted to 115 volts. Allow a two minute warm-up period.
2. Connect unit test clips together.
3. Turn Test Selector switch to Leakage position. Adjust Condenser Calibrator (front panel) until meter reads to the Set Line.

NOTE: Do not move Condenser Calibrator again throughout the remainder of the calibration procedure.

4. Turn Test Selector switch to Series Resistance position. Meter should read to the Set Line. If meter does not read to the Set Line, adjust internal Series Resistance calibrator (T1) to secure this reading.
5. Turn Test Selector switch to Capacity position. Connect unit test clips to R. C. Test Box in Standard Condenser position. Adjust internal Capacity calibrator (R3) until meter reads the correct value of this condenser.

CHECKS

1. Current Draw-----1 amp at 115 volt, 60 cycle, A. C. in any position of Test Selector switch. This ampere reading will vary depending on the setting of the Condenser Calibrator control.

2. Leakage Position of Test Selector switch.

Unit test clips open - no reading on meter.

Unit test clips together - meter to read on the Set Line.

Condenser Calibrator control sweep should regulate meter +3 and -6 divisions from the Set Line.

Unit test clips connected to R. C. Test Box in .5 Meg Ohm Resistor position - meter should read midscale ± 1 division.

CALIBRATION AND ADJUSTMENT PROCEDURE (Cont'd.)

3. Series Resistance Position of Test Selector Switch.

Unit test clips open - no reading on meter.

Unit test clips together - meter to read on the Set Line.

Unit test clips connected to R. C. Test Box in Standard Condenser position - meter to read $.44 \pm 2$ divisions.

4. Capacity Position of Test Selector Switch.

Unit test clips open - no reading on meter.

Unit test clips together - no reading on meter.

Unit test clips connected to R. C. Test Box in Standard Condenser position - meter to read correct value of condenser ± 1 division.

5. Vacuum Gauge.

Tolerances:

1% of Full Scale or 2 Divisions 0"-5"

2% of Full Scale or 2 Divisions 5"-21"

Leakage of Vacuum Gauge.

None.