

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN
DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

**TUBE TEST DATA CARDS FOR USE
WITH TUBE TESTERS
I-177, I-177-A, I-177-B, AND WITH TUBE
SOCKET ADAPTER KIT MX-949/U**

Ref: TM 11-2627

Departments of the Army and the Air Force

16 October 1952

*This bulletin supersedes TB 11-2627-2, 11 June 1951,
including C 1, 31 January 1952*

1. GENERAL. *a.* These tube test data cards contain accurate and latest settings for the tubes most commonly used on Signal Corps equipment and are issued to replace cards in the ring binder on the cover of Tube Testers I-177, I-177-A, and I-177-B. These cards correct errors and omissions in cards previously issued with the tube testers. These cards are complete and no other technical bulletins need to be checked to determine the proper settings.

b. This technical bulletin also covers the use of the Tube Socket Adapter Kit MX-949/U used with Tube Testers I-177, I-177-A, and I-177-B and lists the tube types (table III) that can be tested by means of the adapter kit. The purpose of the tube socket adapter kit (figs. 1 and 2) is to adapt the tube testers so that they can accommodate additional types of tubes. Tubes that have prongs which cannot fit into the tube sockets of the tube testers can be tested by means of Tube Socket Adapter Kit MX-949/U. The adapter kit replaces all improvised adapters.

c. Table I is a cross-index of Army VT numbers and commercial numbers. Table II contains tube test data for use with Tube Testers I-177, I-177-A, and I-177-B. Table III lists the various tubes which can be tested when Tube Socket Adapter Kit MX-949/U is used with the tube tester.

2. INSTRUCTIONS. *a.* Remove and destroy test data cards in the ring binder on the cover of the tube tester; replace them with these test data cards. Each card is provided with two eyelets for mounting in the ring binder.

b. When using these test data, follow the procedure given in pertinent paragraphs of TM 11-2627, except when testing for *shorts* as described in paragraph 4*k* of the manual. Paragraph 4*k* applies to all tubes, except the 1.4-volt and 2.8-volt filamentary type and other types having close-spaced elements. A list of such tube types is given in note E preceding tables II and III. Reference is made to note E, when applicable, in the *notations* column of tables II and III as part of the test data. This technical bulletin contains tube test data sufficient for the quality test and not for measuring mutual conductance.

3. TEST PROCEDURE USING TUBE SOCKET ADAPTER KIT MX-949/U (fig. 1). *a.* Adjustment of tube tester.

- (1) Set selector switch A to 4.
- (2) Set selector switch B to 2.
- (3) Set all other switches to OFF or safety positions as described in paragraph 3, TM 11-2627.

- (4) Plug the power cable assembly into a suitable a-c (alternating-current) power outlet (105 to 125 volts, 60 cycles); set the power switch on the ON position.
 - (5) Depress line test button and turn the LINE ADJUSTMENT control until the meter needle points to LINE TEST or to the line test value indicated in *notations* column (table III) for the tube type under test.
- b. Adjustments on Tube Socket Adapter Kit MX-949/U.
- (1) Disconnect all plugs from receptacles.
 - (2) Insert the 8-prong plug into socket E of the tube tester.
 - (3) Determine the type number in the column headed *tube type* (table III).
 - (4) Set selector switch FIL of tube tester to the number in the column headed FIL volts.
 - (5) Make the patch cord connections indicated for the type to be tested.
 - (6) Insert the tube in the socket indicated in the column headed *socket number* (table III).
- c. Test.
- (1) Test for shorts by *slowly* rotating the SHORTS test switch from TUBE TEST position to position 1 and then back to TUBE TEST position.
 - (2) Set potentiometer L of the tube tester to the number indicated in the *pot.* column (table III).
 - (3) Set potentiometer R of the tube tester to the number indicated in the *pot.* column (table III).
 - (4) Set the MICROMHOS range switch of the tube tester at 3,000 except as otherwise indicated in the *notations* column.
 - (5) Press the tube tester button indicated in the *press* column (table III).
 - (6) Good tubes will give a meter indication in the green sector, except as indicated in the *notations* column. The readings on tubes designated as "OK over _____" will be read on the 3,000 scale independent of the setting of the MICROMHOS switch.

Note. The LINE TEST adjustment should be repeated immediately before making either the SHORTS test or the QUALITY test. This means that the tube has already been placed in the proper socket and that all the proper settings and/or connections have been made.

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NG: Same as Active Army except one copy to each unit.

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For explanation of distribution formula. see SR 310-90-1.

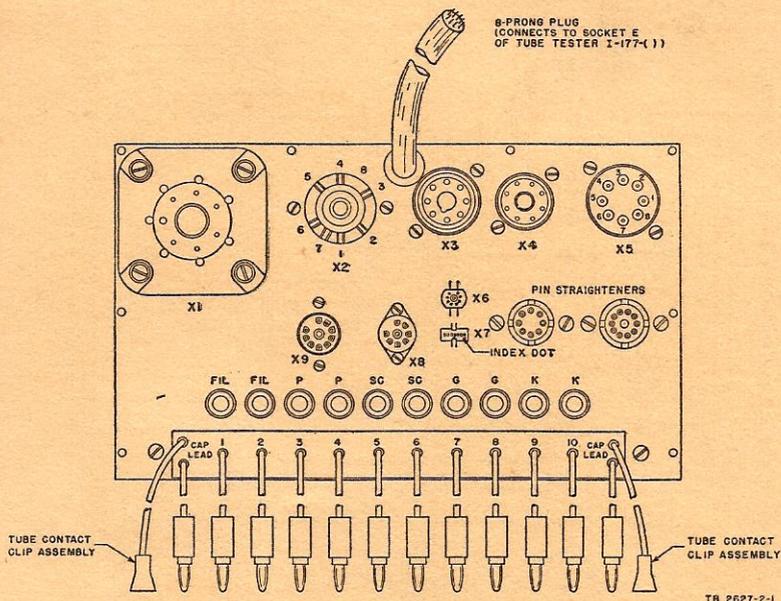


Figure 1. Tube Socket Adapter Kit MX-949/U, panel diagram.

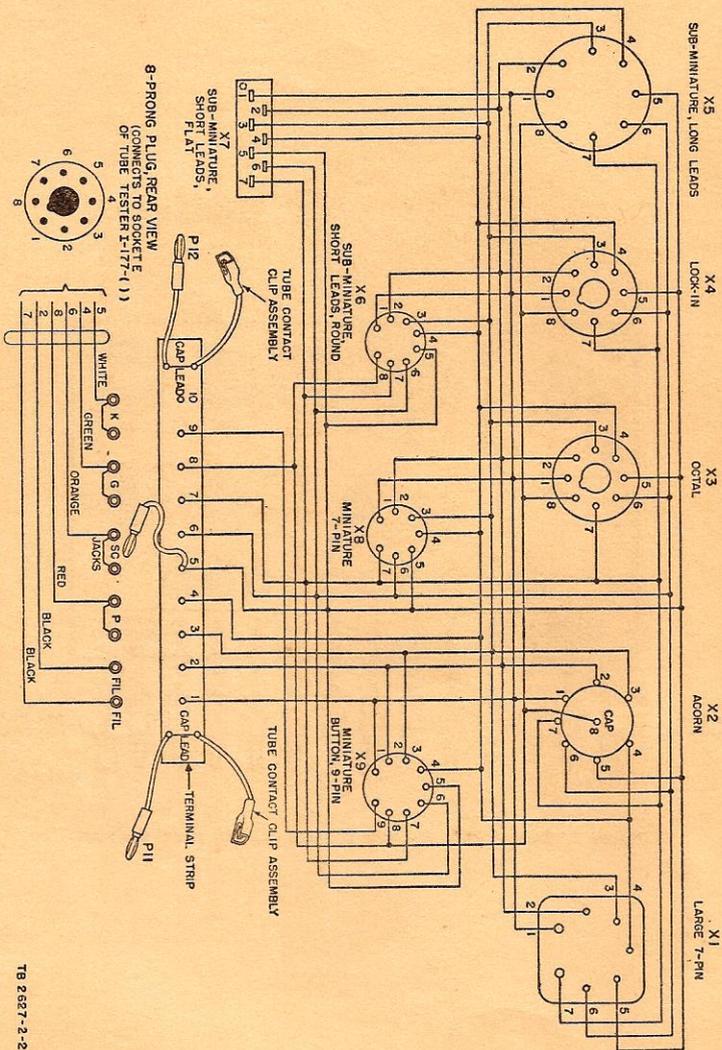


Figure 2. Tube Socket Adapter Kit MX-949/U, wiring diagram.

TABLE I. CROSS-INDEX OF ARMY VT NUMBERS AND COMMERCIAL NUMBERS

(Listing by VT Numbers)

VT No. Coml No.	VT No. Coml No.	VT No. Coml No.	VT No. Coml No.	VT No. Coml No.
VT-1....WE-203A (obsolete)	VT-56...55	VT-107B.6V6G	VT-155...Special tube	VT-210...184
VT-2....WE-205B	VT-57...57	VT-108...450TH	VT-156...Special tube	VT-211...68G7
VT-3....Obsolete	VT-58...58	VT-109...2051	VT-157...Special tube	VT-212...958
VT-4A...Obsolete	VT-60...850	VT-111...5BP4/- 1802P4	VT-158...Special tube	VT-213A.6L5G
VT-4B...Coml 211	VT-62...801, 801A	VT-112...6AC7/- 1852	VT-159...Special tube	VT-214...12H6
VT-4C...JAN 211	VT-63...495	VT-114...5T4	VT-160...Special tube	VT-215...6E5
VT-5....WE-216A	VT-64...800	VT-115...6L6	VT-161...128A7	VT-216...816
VT-6....212A (obsolete)	VT-65...6C5G	VT-116...6F6	VT-162...128J7	VT-217...811
VT-7....WX-12 (obsolete)	VT-66...6F6	VT-117...68K7	VT-163...6C8G	VT-218...100TH
VT-8....UV-204 (obsolete)	VT-67...30 special	VT-118...68J7	VT-164...1619	VT-219...Canceled
VT-10...Obsolete	VT-68...687	VT-119...2X2/879	VT-165...1624	VT-220...250TH
VT-11...Obsolete	VT-69...6D6	VT-120...954	VT-166...371A	VT-221...3Q5GT
VT-12...Obsolete	VT-70...6E7	VT-121...955	VT-167...6K3	VT-222...884
VT-13...Obsolete	VT-72...842	VT-122...530	VT-168A.6V6G	VT-223...1H5GT
VT-14...Obsolete	VT-73...843	VT-123...RCA A-5586 (super- seded by VT-128)	VT-169...12C8	VT-224...RK34
VT-15...Obsolete	VT-74...524	VT-124...1A5GT	VT-170...1E5-GP	VT-225...300P1
VT-16...Obsolete	VT-75...75	VT-125...1C5GT	VT-171...1R5	VT-226...2EP1/- 1806P1
VT-17...860	VT-76...76	VT-126...6X5	VT-172...185	VT-227...7184
VT-18...Obsolete	VT-77...77	VT-127...Special tube	VT-173...174	VT-228...956
VT-19...861	VT-78...78	VT-128...1630 (A-5588)	VT-174...354	VT-229...1E3
VT-20...Obsolete	VT-79...80	VT-129...304TL	VT-175...9B13	VT-240...710A
VT-21...Obsolete	VT-80...80	VT-130...250TL	VT-176...6AB7/- 1853	VT-241...7E5/1201
VT-22...204A	VT-81...81	VT-131...128K7	VT-177...11H4	VT-242...7C4/- 1208A
VT-23...Obsolete	VT-82...82	VT-132...12K8 special	VT-178...11C6	VT-243...5U4G
VT-24...864	VT-83...83	VT-133...128R7	VT-179...11N5	VT-244...2050
VT-25...10	VT-84...84/6Z4	VT-134...12A8	VT-180a...3LR4	VT-245...918
VT-25A...10 special	VT-85...6R7G	VT-135...12J5GT	VT-181...724	VT-246...918
VT-26...22	VT-86...6K7	VT-136...1255G	VT-182...3B7/1291	VT-247...6AG7
VT-27...30	VT-86A.6K7G	VT-137...1626	VT-183...1R4/1294	VT-248...1808P1
VT-28...24, 24A	VT-86B.6K7GT	VT-138...1629	VT-184...VR90-30	VT-249...1006
VT-29...27	VT-87...6L7	VT-139...VR150-30	VT-185...3D6/1299	VT-250...EF50
VT-30...01-A	VT-87A.6L7G	VT-140a.1628	VT-186...Special tube	VT-251...441
VT-31...31	VT-88...6B8	VT-141...531	VT-187...575A	VT-252...923
VT-32...Obsolete	VT-88A.6B8G	VT-142...WE- 98DY1	VT-188...7E6	VT-254...304TH
VT-33...33	VT-89...6B7G	VT-143...806	VT-189...7F7	VT-255...705A
VT-34...207	VT-90A.6B6GT	VT-144...813	VT-190...7H7	VT-256...ZP486
VT-35...35/51	VT-91...637	VT-145...823	VT-191...316A	VT-257...K-7
VT-36...36	VT-91A.637GT	VT-146...1N5GT	VT-192...744	VT-258...829
VT-37...37	VT-92...6Q7	VT-147...1A7GT	VT-193...7C7	VT-260...VR75-30
VT-38...38	VT-92Aa.6Q7G	VT-148...1D8GT	VT-194...737	VT-261...1616
VT-39...869	VT-93...6B8	VT-149...3ASGT	VT-195...1005	VT-262...578
VT-39A.869A	VT-93A.6B8G	VT-150...89A7	VT-196...6W6G	VT-268...128C7
VT-40...40	VT-94A.6J5G	VT-150A.6SA7GT	VT-197...6AG7/G	VT-269...717A
VT-41...851	VT-94B.6J5 selection	VT-151...6A8G	VT-198A.6C6G	VT-277...417
VT-42...872	VT-94C.6J5G special	VT-152...6K6GT	VT-199...6887	VT-279...GY-2
VT-42A.872A (specialfl)	VT-94D.6J5GT special	VT-152A.6K6G	VT-200...VR-105-30	VT-280a.C7063
VT-43...845	VT-95...2A3	VT-153...12C3 special	VT-201...25L6	VT-281...HY-
VT-44...82	VT-96...6N7	VT-154...814	VT-202...9002	VT-282...ZC489
VT-45...45	VT-96B.6N7 special		VT-203...9003	VT-283a.QF-206
VT-46...866	VT-97...5W4 selection		VT-204...HK24G	VT-284...QF-197
VT-46A.866A	VT-97...5W4		VT-205...68T7	VT-285a.QF-200C
VT-47...47	VT-98...6U5/6G5		VT-206A.5V4G	VT-286...832A
VT-48...41	VT-99...6F8G		VT-207...12AH7GT	VT-287...815
VT-49...39/44	VT-100...807		VT-208...7B4	VT-288...128J7
VT-50...50	VT-100A.807 modified		VT-209...12SG7	VT-289...128L7GT
VT-51...841	VT-101...837			
VT-52...45 special	VT-102...Canceled			
VT-53...Canceled (super- seded by VT-42 -A)	VT-103...68Q7			
	VT-104...128Q7			
	VT-105...68C7			
VT-54...34	VT-107...6V6			
VT-55...865	VT-107A.6V6GT			

*Indicates VT number has been canceled.

Note A. The plate cap of the tube under test should be connected to the upper left contact of the 6-pin (C) socket. A 12-inch lead with clip and banana plug is provided for this purpose.

Note B. Connect the plate cap (nearest the operator) to the upper left contact of the 6-pin (C) socket; use the lead provided. Connect the grid lead to the remaining cap on the tube.

Note C. Set the MICROMHOS switch at 6000 when testing this section if the tube tester bears either Order No. 27613-Phila-44-52 or 52346-Phila-45-10 on the nomenclature plate.

Note D. This test is only a partial indication of a good tube. A complete test is possible only when using equipment.

Note E. The tubes listed below should not be tapped when testing for shorts because damage to the tube may result:

1A5GT	1LB4	1S4/VT-210	3A6GT/VT-149
1A7GT	1LD5	1S5/VT-172	3B7/1291-VT-182
1C5GT	1LE3	1T4/VT-173	3D6/1299-VT-185
1G4GT	1LH4/VT-177	1T5GT	3LF4
1G8GT	1LN5/VT-179	1U4	3Q4
1H5GT	1P5GT	1U5	3Q5GT
1L4	1Q5GT	3A4	3S4/VT-174
1LA4	1R5/VT-171	3A5	3V4
1LA6			

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-777, I-777-A, AND I-777-B

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
OOA	2	10	5.0	23	27	A	AMPL	
OA2	4	4	OFF	0	0	H	GAS No. 1	OK, over 200. Shorts on 4 and 5. See note D.
OA3/VR75	7	1	OFF	50	0	G	GAS No. 1	Shorts on 4 and 5. See note D.
OA4G	10	2	OFF	15	0	E	DIODE	Meter indication is obtained when FIL control is switched to 75. See note D.
OB2	4	4	OFF	30	0	H	GAS No. 1	OK, over 200. Shorts on 4 and 5. See note D.
OB3/VR90	7	1	OFF	55	0	G	GAS No. 1	Shorts on 4 and 5. See note D.
OC3/VR105	7	1	OFF	30	0	G	GAS No. 1	Shorts on 4 and 5. See note D.
OD3/VR150	7	1	OFF	30	0	G	GAS No. 1	Shorts on 4 and 5. See note D.

**TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued**

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
OZ4	4	8	OFF	0	0	E	-----	Check for shorts.
OZ4	2	9	OFF	60	0	E	OZ4	
OZ4	10	2	OFF	60	0	E	OZ4	
OZ4A/1003	4	8	OFF	0	0	E	-----	Check for shorts. See note D.
OZ4A/1003	2	9	OFF	60	0	E	OZ4	
OZ4A/1003	10	2	OFF	60	0	E	OZ4	See note D.
OZ4G	4	8	OFF	0	0	E	-----	Check for shorts. See note D.
OZ4G	2	9	OFF	64	0	E	OZ4	
OZ4G	10	2	OFF	64	0	E	OZ4	See note D.
OIA	2	10	5.0	26	39	A	AMPL	
IA3	10	5	1.5	0	0	H	DIODE, also rectifier 117N7	May show shorts on 2, 3, 4, and 5.
1A4P	2	5	2.0	27	24	A	AMPL	
1A5GT/G	8	5	1.5	32	35	E	AMPL	See note E.
1A6	1	5	2.0	0	29	C	AMPL	
1A6	9	7	2.0	60	29	C	AMPL	OK. over 120.
1A7GT/G	7	7	1.5	32	20	E	AMPL	
1A7GT/G	12	7	1.5	60	38	E	AMPL	OK. over 240. See note E.
1AB5	6	2	1.1	28	20	F	AMPL	Shorts on 1.
1AD4	--	--	---	--	--	--	-----	See table III.
1AE4	--	--	---	--	--	--	-----	See table III.
1AH4	--	--	---	--	--	--	-----	See table III.
1B3GT	7	1	1.1	0	0	E	RECTI- FIER STD.	Shorts on 3, 4, and 5. See note A. OK. over 300. See note D.
1B3GT/8016	7	1	1.1	0	0	E	RECTI- FIER STD.	OK. over 300. See note D.
1B4P	2	5	2.0	18	29	A	AMPL	
1B5	7	8	2.0	60	23	C	AMPL	OK. over 380
1B5	10	8	2.0	0	0	C	DIODE	
1B5	12	3	2.0	0	0	C	DIODE	
1B5/25S	7	8	2.0	60	23	C	AMPL	OK. over 380.
1B5/25S	10	8	2.0	0	0	C	DIODE	
1B5/25S	12	3	2.0	0	0	C	DIODE	
1B7G	7	7	1.5	32	20	E	AMPL	
1B7G	12	7	1.5	60	38	E	AMPL	
1C5GT/G	8	5	1.5	55	36	E	AMPL	See note E.
1C6	1	5	2.0	20	24	C	AMPL	
1C6	9	7	2.0	60	41	C	AMPL	OK. over 240.
1C7G	2	5	2.0	20	25	E	AMPL	
1C7G	12	7	2.0	60	41	E	AMPL	OK. over 240.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, Y-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
1C8	--	--	---	--	--	--	---	See table III.
1C21	10	2	OFF	0	0	E	DIODE	Meter indication is obtained when FIL control is switched to 50. See note D.
1D5GP	2	5	2.0	27	24	E	AMPL	
1D7G	2	5	2.0	0	29	E	AMPL	
1D7G	12	7	2.0	60	35	E	AMPL	OK. over 160.
1D8GT	8	5	1.5	35	41	E	AMPL	
1D8GT	11	5	1.5	11	9	E	AMPL	
1D8GT	5	1	1.5	0	0	E	DIODE	
1E4G	7	5	1.5	32	30	E	AMPL	
1E5GP	2	5	2.0	35	29	E	AMPL	
1E7G	8	8	2.0	45	17	E	AMPL	
1E7G	11	6	2.0	45	17	E	AMPL	
1F4	1	5	2.0	51	19	B	AMPL	
1F5G	8	5	2.0	51	19	E	AMPL	
1F6	1	7	2.0	20	21	C	AMPL	
1F6	11	1	2.0	0	0	C	DIODE	OK. over 500.
1F6	5	5	2.0	0	0	C	DIODE	OK. over 500.
1F7G	1	5	2.0	20	21	E	AMPL	
1F7G	4	5	2.0	0	0	E	DIODE	
1F7G	7	1	2.0	0	0	E	DIODE	
1G4GT/G	7	5	1.5	33	40	E	AMPL	See note E.
1G5G	8	5	2.0	54	30	E	AMPL	
1G6GT/G	2	9	1.5	22	13	E	AMPL	
1G6GT/G	12	5	1.5	22	13	E	AMPL	See note E.
1H4G	7	5	2.0	36	33	E	AMPL	
1H5GT/G	8	5	1.5	60	13	E	AMPL	OK. over 220. See note E.
1H5GT/G	8	1	1.5	0	0	E	DIODE	
1H6G	7	8	2.0	10	20	E	AMPL	
1H6G	10	3	2.0	0	0	E	DIODE	
1H6G	10	8	2.0	0	0	E	DIODE	
1J5G	8	5	2.0	37	37	E	AMPL	
1J6G	8	8	2.0	42	12	E	AMPL	
1J6G	11	6	2.0	42	12	E	AMPL	
1L4	1	7	1.5	43	16	H	AMPL	Shorts on 4 and 5. See note E.
1LA4	6	2	1.5	32	35	F	AMPL	See note E.
1LA6	6	3	1.5	21	20	F	AMPL	See note E.
1LA6	2	8	1.5	32	38	F	AMPL	OK. over 240.
1LB4	6	2	1.5	38	42	F	AMPL	See note E.
1LC5	6	2	1.5	30	24	F	AMPL	Shorts on 4 and 5.
1LC6	6	3	1.5	41	19	F	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
1LC6	2	8	1.5	10	19	F	AMPL	
1LD5	6	2	1.5	14	23	F	AMPL	See note E.
1LD5	4	9	1.5	0	0	F	DIODE	
1LE3	5	2	1.5	49	22	F	AMPL	See note E.
1LF3	5	2	1.5	49	22	F	AMPL	
1LG5	--	--	--	--	--	--	-----	See table III.
1LH4	6	3	1.5	60	13	F	AMPL	OK. over 200. See note E.
1LH4	10	10	1.5	0	0	F	DIODE	
1LN5	6	2	1.5	28	9	F	AMPL	Shorts on 4 and 5. See note E.
1N5GT/G	8	5	1.5	28	9	E	AMPL	
1N6G	8	5	1.5	31	35	E	AMPL	
1P5GT/G	8	5	1.5	31	9	E	AMPL	See note E.
1Q5GT/G	8	5	1.5	61	30	E	AMPL	See note E.
1Q6	--	--	--	--	--	--	-----	See table III.
1R4/1294	10	5	1.5	0	0	F	DIODE	
1R5	7	7	1.5	19	29	H	AMPL	Shorts on 4 and 5.
1R5	1	7	1.5	0	25	H	AMPL	See note E.
1S4	--	--	--	--	--	--	-----	See table III.
1S5	6	6	1.5	9	28	H	AMPL	See note E.
1S5	3	6	1.5	0	0	H	DIODE	
1S6	--	--	--	--	--	--	-----	See table III.
1SA6GT	3	4	1.5	39	19	E	AMPL	
1SB6GT	2	5	1.5	20	22	E	AMPL	
1T4	1	7	1.5	28	28	H	AMPL	Shorts on 4 and 5. See note E.
1T5GT	8	5	1.5	46	37	E	AMPL	See note E.
1U4	2	5	1.5	35	12	H	AMPL	Shorts on 4 and 5. See note E.
1U5	2	5	1.5	9	28	H	AMPL	See note E.
1U5	8	1	1.5	0	0	H	DIODE	
1V	1	5	6.3	40	0	A	RECTIFIER STD.	See note D.
1V5	--	--	--	--	--	--	-----	See table III.
1W5	--	--	--	--	--	--	-----	See table III.
1Z2	--	--	--	--	--	--	-----	See table III.
2A3	2	10	2.5	67	55	A	AMPL	
2A3H	2	10	2.5	67	55	A	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
2A4G	7	5	2.5	36	80	E	RECTIFIER STD.	Good tube strikes between 35 and 45 on R when this control is rotated counterclockwise. See note D.
2A5	8	5	2.5	60	24	C	AMPL	
2A6	7	6	2.5	40	9	C	AMPL	
2A6	10	6	2.5	0	0	C	DIODE	
2A6	10	3	2.5	0	0	C	DIODE	
2A7	7	6	2.5	41	18	D	AMPL	
2A7	10	6	2.5	60	25	D	AMPL	OK. over 320.
2B4	1	6	2.5	40	80	B	RECTIFIER STD.	Good tube strikes between 45 and 55 on R when this control is rotated counterclockwise. See note D.
2B6	3	2	2.5	15	30	D	AMPL	
2B6	7	6	2.5	64	12	D	AMPL	Shorts on 3.
2B7	7	6	2.5	41	25	D	AMPL	
2B7	10	6	2.5	0	0	D	DIODE	
2B7	10	3	2.5	0	0	D	DIODE	
2B23	7	5	6.3	66	0	E	OZ4	See note D.
2B26	2	7	2.5	40	0	A	RECTIFIER STD.	See note D.
2C4	11	9	2.5	40	80	H	RECTIFIER STD.	Tube strikes at approximately 60 on R when this control is rotated counterclockwise. See note D.
2C21	10	3	6.3	51	14	D	AMPL	
2C21	3	3	6.3	51	14	D	AMPL	
2C22	7	2	6.3	67	11	E	AMPL	See note B.
2C26	7	2	6.3	54	15	E	AMPL	See note A.
2C26A	7	2	6.3	54	15	E	AMPL	See note A.
2C34	1	5	6.3	50	30	D	AMPL	Connect right plate cap to upper right contact on A socket with lead provided.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
2C34	7	5	6.3	50	30	D	AMPL	Connect left plate cap to upper right contact on A socket with lead provided.
2C50	--	--	---	--	--	--	-----	See table III.
2C51	--	--	---	--	--	--	-----	See table III.
2C52	--	--	---	--	--	--	-----	See table III.
2C53	9	5	6.3	0	0	E	AMPL	Connect plate cap to upper center contact on D socket with lead provided. OK. over 900. See note D.
2D21	4	8	6.3	40	80	K	RECTIFIER STD.	Good tube strikes between 25 and 30 on R when this control is rotated counterclockwise. Shorts on 2 and 3. See note D.
2E22	12	1	6.3	71	0	B	AMPL	See note A.
2E24	--	--	---	--	--	--	-----	See table III.
2E25	8	5	6.3	67	0	E	AMPL	Connect cap to upper right-hand contact of B socket with lead provided.
2E26	--	--	---	--	--	--	-----	See table III.
2E30	--	--	---	--	--	--	-----	See table III.
2E31/CK, 553AX	--	--	---	--	--	--	-----	See table III.
2E32	--	--	---	--	--	--	-----	See table III.
2E35	--	--	---	--	--	--	-----	See table III.
2E41/CK, 551AX	--	--	---	--	--	--	-----	See table III.
2V3G	7	1	2.5	0	0	E	RECTIFIER STD.	OK. over 500. See notes A and D.
2W3	4	11	2.5	33	0	E	RECTIFIER STD.	See note D.
2X2/879	7	1	2.5	0	0	A	RECTIFIER STD.	OK. over 1,000. See notes A and D.
2X2A	7	1	2.5	0	0	A	RECTIFIER STD.	OK. over 1,000. See notes A and D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
2Z2	2	7	2.5	35	0	A	RECTIFIER STD.	See note D.
2Z2/G84	2	7	2.5	35	0	A	RECTIFIER STD.	See note D.
3A4	--	--	---	--	--	--	-----	See table III.
3A5	8	8	3.0	60	12	H	AMPL	Shorts on 4 and 5. See note E.
3A5	6	2	3.0	60	18	H	AMPL	Shorts on 4 and 5.
3A8GT	8	5	2.5	28	10	E	AMPL	Shorts on 1. See note E.
3A8GT	11	5	2.5	0	0	E	AMPL	Shorts on 1.
3B4	--	--	---	--	--	--	-----	See table III.
3B5GT	8	5	2.5	54	49	E	AMPL	Shorts on 4 and 5.
3B7	--	--	---	--	--	--	-----	See table III.
3B7/1291	--	--	---	--	--	--	-----	See table III.
3B22	4	5	2.5	40	0	A	RECTIFIER STD.	See note D.
3B22	1	5	2.5	40	0	A	RECTIFIER STD.	See note D.
3B23	10	4	2.5	55	0	A	DIODE	Connect tube cap nearest operator. See notes A and D.
3B23	10	4	2.5	55	0	A	DIODE	Connect tube cap away from operator. See notes A and D.
3B24	7	1	2.5	5	0	A	RECTIFIER STD.	Shorts on 4 and 5. See notes A and D.
3B26	7	2	2.5	20	0	E	DIODE	See notes A and D.
3B28	7	1	2.5	40	0	A	RECTIFIER STD.	See notes A and D.
3B29	7	2	2.5	20	0	A	DIODE	See notes A and D.
3C23	9	2	3.0	40	80	A	RECTIFIER STD.	Tube strikes at approximately 26 when R control is rotated counterclockwise. See notes A and D.
3D6	6	2	2.5	61	30	F	AMPL	Shorts on 1. See note E.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
3D6/1299	6	2	2.5	61	30	F	AMPL	Shorts on 1. See note E.
3E6	6	2	3.0	55	16	F	AMPL	Shorts on 4 and 5. See table III.
3E29	--	--	---	--	--	--	-----	See table III.
3LF4	6	2	3.0	62	20	F	AMPL	Shorts on 1. See note E.
3Q4	--	--	---	--	--	--	-----	See table III.
3Q5GT/G	8	5	3.0	58	31	E	AMPL	Shorts on 4 and 5. See note E.
3S4	--	--	---	--	--	--	-----	See table III.
3V4	1	7	3.0	56	28	H	AMPL	Shorts on 4 and 5. See note E.
4A1	1	2	BLST	0	0	A	-----	Shorts on 1, 2, 3, and 4.
4A6G	2	9	3.0	41	0	E	AMPL	
4A6G	12	5	3.0	41	13	E	AMPL	
5A6	--	--	---	--	--	--	-----	See table III.
5R4GY	4	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5R4GY	5	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5T4	4	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5T4	5	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5U4G	4	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5U4G	5	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5V4G	4	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5V4G	5	11	5.0	40	0	E	RECTI-FIER STD.	See note D.
5W4GT/G	4	11	5.0	33	0	E	RECTI-FIER STD.	See note D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
5W4GT/G	5	11	5.0	33	0	E	RECTI- FIER STD.	See note D.
5X4G	7	9	5.0	40	0	E	RECTI- FIER STD.	See note D.
5X4G	12	4	5.0	40	0	E	RECTI- FIER STD.	See note D.
5Y3GT/G	4	11	5.0	40	0	E	RECTI- FIER STD.	See note D.
5Y3GT/G	5	11	5.0	40	0	E	RECTI- FIER STD.	See note D.
5Y4G	7	9	5.0	35	0	E	RECTI- FIER STD.	See note D.
5Y4G	12	4	5.0	35	0	E	RECTI- FIER STD.	See note D.
5Z3	2	7	5.0	40	0	A	RECTI- FIER STD.	See note D.
5Z3	3	7	5.0	40	0	A	RECTI- FIER STD.	See note D.
5Z4GT/G	4	11	5.0	40	0	E	RECTI- FIER STD.	See note D.
5Z4GT/G	5	11	5.0	40	0	E	RECTI- FIER STD.	See note D.
6A3	2	10	6.3	67	55	A	AMPL	
6A4	1	5	6.3	60	23	B	AMPL	
6A4/LA	1	5	6.3	60	23	B	AMPL	
6A5G	7	5	6.3	67	55	E	AMPL	Shorts on 5 and 6.
6A6	1	5	6.3	53	10	D	AMPL	
6A6	12	5	6.3	53	10	D	AMPL	
6A7	7	6	6.3	41	18	D	AMPL	
6A7	10	6	6.3	60	25	D	AMPL	OK. over 320.
6A8	7	7	6.3	41	18	E	AMPL	
6A8	12	7	6.3	60	30	E	AMPL	OK. over 240.
6AB4	--	--	---	---	---	---	-----	See table III.
6AB5/6N5	12	3	6.3	0	0	C	AMPL	Eye open.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
6AB/6N5	12	2	6.3	0	0	C	AMPL	Eye closed.
6AB6G	8	5	6.3	53	0	E	AMPL	
6AB7	4	2	6.3	69	8	E	AMPL	
6AB7/1853	4	2	6.3	69	8	E	AMPL	
6AC5GT/G	8	5	6.3	40	0	E	AMPL	
6AC6G	8	5	6.3	63	0	E	AMPL	
6AC7	4	2	6.3	40	24	E	AMPL	
6AD6G	2	8	6.3	0	0	E	AMPL	Eye No. 1 open. Eye No. 2 closed.
6AD6G	3	8	6.3	0	0	E	AMPL	Eye No. 2 open. Eye No. 1 closed.
6AD7G	8	5	6.3	60	24	E	AMPL	
6AD7G	5	5	6.3	60	65	E	DIODE	OK. over 260.
6AE5	7	5	6.3	47	56	E	AMPL	
6AE6G	7	5	6.3	34	0	E	AMPL	
6AE6G	10	5	6.3	28	0	E	AMPL	
6AE7GT	1	8	6.3	54	27	E	AMPL	
6AE7GT	8	8	6.3	54	27	E	AMPL	
6AF5G	8	5	6.3	53	42	E	AMPL	
6AF6G	2	8	6.3	0	0	E	AMPL	Eye No. 1 open. Eye No. 2 closed.
6AF6G	3	8	6.3	0	0	E	AMPL	Eye No. 1 closed. Eye No. 2 open.
6AG5	--	--	---	--	--	--	-----	See table III.
6AG7	4	2	6.3	72	15	E	AMPL	
6AH6	7	9	6.3	68	15	K	AMPL	
6AH7GT	7	9	6.3	60	35	E	GAS No. 1	Shorts on 2 and 3.
6AH7GT	11	9	6.3	60	35	E	GAS No. 1	Shorts on 3, 4, and 5.
6AJ5	--	--	---	--	--	--	-----	See table III.
6AK5	--	--	---	--	--	--	-----	See table III.
6AK6	1	9	6.3	66	24	K	AMPL	
6AL5	9	2	6.3	60	0	K	DIODE	Shorts on 2 and 3.
6AL5	4	2	6.3	60	0	K	DIODE	Shorts on 2 and 3.
6AL6G	8	5	6.3	73	19	E	AMPL	Connect cap of tube to upper center contact of 5 pin (B) socket. Use special lead provided.
6AL7	1	8	6.3	60	Vary	E	AMPL	Potentiometer R con- trols left pattern.
6AL7	2	8	6.3	60	Vary	E	AMPL	Potentiometer R con- trols right pattern.
6AL7	7	7	6.3	60	Vary	E	AMPL	Potentiometer R con- trols both patterns.
6AN5	--	--	---	--	--	--	-----	See table III.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
6AN6	--	--	---	--	--	--	-----	See table III.
6AQ5	8	5	6.3	70	17	L	AMPL	
6AQ6	12	2	6.3	45	5	K	AMPL	
6AQ6	4	8	6.3	0	82	K	DIODE	
6AQ6	1	8	6.3	0	82	K	DIODE	
6AQ7	--	--	---	--	--	--	-----	See table III.
6AR5	1	9	6.3	48	35	K	AMPL	
6AR6	--	--	---	--	--	--	-----	See table III.
6AS6	1	9	6.3	42	15	K	AMPL	
6AS7G	--	--	---	--	--	--	-----	See table III.
6AT6	11	4	6.3	47	15	K	AMPL	
6AT6	4	8	6.3	0	0	K	DIODE	
6AT6	1	8	6.3	0	0	K	DIODE	
6AU6	--	--	---	--	--	--	-----	See table III.
6AV6	--	--	---	--	--	--	-----	See table III.
6B4G	7	5	6.3	67	55	E	AMPL	
6B5	8	5	6.3	52	0	C	AMPL	
6B6G	--	--	---	--	--	--	-----	See table III.
6B7	7	6	6.3	41	25	D	AMPL	
6B7	10	6	6.3	0	0	D	DIODE	
6B7	10	3	6.3	0	0	D	DIODE	
6B8	--	--	---	--	--	--	-----	See table III.
6B8	10	5	6.3	0	0	E	DIODE	
6B8	10	2	6.3	0	0	E	DIODE	
6B8G	--	--	---	--	--	--	-----	See table III.
6BA6	7	9	6.3	70	0	K	AMPL	
6BD6	7	9	6.3	49	22	K	AMPL	
6BE6	8	5	6.3	52	9	K	AMPL	
6BE6	7	9	6.3	55	23	K	AMPL	
6BF5	8	5	6.3	60	40	L	AMPL	OK. over 1,200.
6BF6	--	--	---	--	--	--	-----	See table III.
6BG6G	9	6	6.3	44	12	E	AMPL	Set MICROMHOS switch to 15,000. Connect cap of tube to upper right-hand contact of 6 pin (C) socket. Use special lead provided.
6BH6	--	--	---	--	--	--	-----	See table III.
6BJ6	7	9	6.3	70	10	K	AMPL	
6BN6	--	--	---	--	--	--	-----	See table III.
6C4	2	9	6.3	67	20	L	AMPL	
6C5	7	5	6.3	60	17	E	AMPL	
6C6	1	7	6.3	49	17	C	AMPL	
6C7	7	6	6.3	49	24	D	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations	
	A	B		L	R				
6C7	10	6	6.3	0	0	D	DIODE	Strikes between 56 and 64 on R when this control is rotated counterclockwise. See note D.	
6C7	10	3	6.3	0	0	D	DIODE		
6C8G	8	7	6.3	42	14	E	AMPL		
6C8G	11	7	6.3	42	14	E	AMPL		
6D4	11	2	6.3	40	80	K	RECTIFIER STD.		
6D5	7	5	6.3	60	47	E	AMPL		
6D6	1	7	6.3	56	17	C	AMPL	OK. over 240. Eye open. Eye closed.	
6D7	7	6	6.3	48	20	D	AMPL		
6D8G	7	7	6.3	41	22	E	AMPL		
6D8G	12	7	6.3	60	20	E	AMPL		
6E5	12	3	6.3	0	0	C	AMPL		
6E5	12	2	6.3	0	0	C	AMPL		
6E6	1	5	6.3	52	23	D	AMPL		
6E6	12	5	6.3	52	23	D	AMPL		
6E7	7	6	6.3	55	20	D	AMPL		
6F4	--	--	--	--	--	--	-----		See table III.
6F5	10	5	6.3	43	10	E	AMPL		
6F6GT/G	8	5	6.3	60	24	E	AMPL		OK. over 360.
6F7	7	6	6.3	45	23	D	AMPL		
6F7	10	6	6.3	60	23	D	AMPL		
6F8G	8	7	6.3	60	13	E	AMPL		
6F8G	11	7	6.3	60	13	E	AMPL		
6G6G	8	5	6.3	61	19	E	AMPL		
6H4GT	4	8	6.3	50	0	E	DIODE		
6H6	7	2	6.3	50	0	E	DIODE		
6H6	7	5	6.3	50	0	E	DIODE		
6J4	--	--	--	--	--	--	-----	See table III.	
6J5GT/G	7	5	6.3	60	24	E	AMPL		
6J6	1	2	6.3	69	11	K	AMPL	See table III.	
6J6	11	8	6.3	69	11	K	AMPL		
6J7	1	9	6.3	48	18	E	AMPL		
6J8G	8	5	6.3	41	15	E	AMPL		
6J8G	11	5	6.3	0	25	E	AMPL		
6K4	--	--	--	--	--	--	-----		
6K5GT/G	7	5	6.3	40	17	E	AMPL		
6K6GT/G	8	5	6.3	59	28	E	AMPL		
6K7	8	5	6.3	54	16	E	AMPL		
6K8	8	5	6.3	41	9	E	AMPL		
6K8	11	5	6.3	63	9	E	AMPL		
6L5G	7	5	6.3	56	22	E	AMPL		
6L6	8	5	6.3	73	20	E	AMPL		

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
 I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
6L7	1	9	6.3	20	19	E	AMPL	
6L7	8	5	6.3	20	22	E	AMPL	
6N4	7	5	6.3	71	17	L	AMPL	
6N5	12	3	6.3	0	0	C	AMPL	Eye open.
6N5	12	2	6.3	0	0	C	AMPL	Eye closed.
6N6G	8	5	6.3	52	0	E	AMPL	
6N7	2	9	6.3	53	10	E	AMPL	
6N7	12	5	6.3	53	10	E	AMPL	
6P5GT/G	7	5	6.3	53	24	E	AMPL	
6P7G	3	12	6.3	45	23	E	AMPL	
6P7G	6	12	6.3	60	23	E	AMPL	OK, over 360.
6Q5G	7	5	6.3	40	80	E	RECTI- FIER STD.	Good tube indicates between 40 and 50 when R is rotated counterclockwise. See note D.
6Q6G	7	5	6.3	40	14	E	AMPL	
6Q6G	7	2	6.3	0	0	E	DIODE	
6Q7	7	5	6.3	33	14	E	AMPL	
6Q7	10	5	6.3	0	0	E	DIODE	
6Q7	10	2	6.3	0	0	E	DIODE	
6R7GT/G	7	5	6.3	60	17	E	AMPL	
6R7GT/G	10	5	6.3	0	0	E	DIODE	
6R7GT/G	10	2	6.3	0	0	E	DIODE	
6S7	8	5	6.3	57	22	E	AMPL	
6S7G	8	5	6.3	57	22	E	AMPL	
6SA7GT/G	1	7	6.3	28	17	E	AMPL	
6SA7GT/G	7	7	6.3	28	17	E	AMPL	
6SB7	1	7	6.3	52	13	E	AMPL	
6SB7	7	7	6.3	60	33	E	AMPL	OK, over 240.
6SC7	10	3	6.3	42	0	G	AMPL	
6SC7	1	3	6.3	42	0	G	AMPL	
6SD7GT	4	2	6.3	64	13	E	AMPL	
6SF5	7	4	6.3	56	13	E	AMPL	
6SF7	6	7	6.3	50	22	G	AMPL	
6SF7	8	1	6.3	0	0	G	DIODE	
6SG7	4	2	6.3	68	10	E	AMPL	
6SH7	4	2	6.3	69	0	E	AMPL	
6SJ7	4	2	6.3	56	18	E	AMPL	
6SK7GT/G	4	2	6.3	59	18	E	AMPL	
6SL7GT	--	--	---	---	---	---	-----	See table III.
6SN7GT	--	--	---	---	---	---	-----	See table III.
6SQ7	6	6	6.3	42	0	G	AMPL	
6SQ7	3	7	6.3	0	0	G	DIODE	
6SQ7	7	1	6.3	0	0	G	DIODE	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
6SR7	--	--	---	--	--	--	-----	See table III.
6SS7	4	2	6.3	58	16	E	AMPL	
6ST7	6	7	6.3	59	12	G	AMPL	
6ST7	3	7	6.3	0	0	G	DIODE	
6ST7	7	1	6.3	0	0	G	DIODE	
6SU7	--	--	---	--	--	--	-----	See table III.
6T7G	7	5	6.3	40	14	E	AMPL	
6T7G	10	5	6.3	0	0	E	DIODE	
6T7G	10	2	6.3	0	0	E	DIODE	
6U5	12	3	6.3	0	0	E	AMPL	Eye open.
6U5	12	2	6.3	0	0	C	AMPL	Eye closed.
6U5/6G5	12	3	6.3	0	0	C	AMPL	Eye open.
6U5/6G5	12	2	6.3	0	0	C	AMPL	Eye closed.
6U6GT	8	5	6.3	73	27	E	AMPL	
6U7G	8	5	6.3	56	17	E	AMPL	
6V6GT/G	8	5	6.3	67	25	E	AMPL	
6V7G	7	5	6.3	40	32	E	AMPL	
6V7G	10	5	6.3	0	0	E	DIODE	
6V7G	10	2	6.3	0	0	E	DIODE	
6W4	9	3	6.3	50	0	G	RECTI- FIER STD.	See note D.
6W5G	2	9	6.3	40	0	E	RECTI- FIER STD.	See note D.
6W5G	10	2	6.3	40	0	E	RECTI- FIER STD.	See note D.
6W6GT	8	5	6.3	67	46	E	AMPL	
6W7G	1	9	6.3	41	20	E	AMPL	
6X4	3	5	6.3	35	0	K	RECTI- FIER STD.	Plate No. 1. See note D.
6X4	6	5	6.3	35	0	K	RECTI- FIER STD.	Plate No. 2. See note D.
6X5GT/G	2	9	6.3	40	0	E	RECTI- FIER STD.	See note D.
6X5GT/G	10	2	6.3	40	0	E	RECTI- FIER STD.	See note D.
6Y5	9	8	6.3	40	0	C	RECTI- FIER STD.	See note D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
6Y5	12	8	6.3	40	0	C	RECTI- FIER STD.	See note D.
6Y6G	8	5	6.3	74	36	E	AMPL	
6Y7G	2	9	6.3	39	12	E	AMPL	
6Y7G	12	5	6.3	39	12	E	AMPL	
6Z3	1	5	6.3	40	0	A	RECTI- FIER STD.	See note D.
6Z4/84	7	7	6.3	40	0	B	RECTI- FIER STD.	See note D.
6Z4/84	5	1	6.3	40	0	B	RECTI- FIER STD.	See note D.
6Z5	9	12	6.3	40	0	C	RECTI- FIER STD.	See note D.
6Z5	12	12	6.3	40	0	C	RECTI- FIER STD.	See note D.
6Z7G	2	9	6.3	45	9	E	AMPL	
6Z7G	12	5	6.3	45	9	E	AMPL	
6ZY5G	7	2	6.3	40	0	E	RECTI- FIER STD.	See note D.
6ZY5G	7	5	6.3	40	0	E	RECTI- FIER STD.	See note D.
7A4	6	2	6.3	66	14	F	AMPL	
7A5	6	2	6.3	71	23	F	AMPL	
7A6	8	5	6.3	40	0	F	DIODE	Shorts on 1, 4, and 5.
7A6	11	5	6.3	40	0	F	DIODE	
7A7	6	2	6.3	58	22	F	AMPL	
7A8	5	3	6.3	41	20	F	AMPL	
7A8	8	10	6.3	0	21	F	AMPL	
7AB7/1204	--	--	--	--	--	--	-----	See table III.
7AF7	12	5	6.3	64	0	F	AMPL	
7AF7	2	9	6.3	64	0	F	AMPL	Shorts on 1, 4, and 5.
7AG7	6	2	6.3	67	0	F	AMPL	
7B4	6	2	6.3	43	10	F	AMPL	
7B5	6	2	6.3	56	28	F	AMPL	
7B6	2	3	6.3	28	9	F	AMPL	Shorts on 1, 4, and 5.
7B6	8	3	6.3	0	0	F	DIODE	Shorts on 1, 4, and 5.
7B6	6	10	6.3	0	0	F	DIODE	Shorts on 1, 4, and 5.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
7B7	5	4	6.3	57	22	F	AMPL	
7B8	5	3	6.3	40	22	F	AMPL	
7B8	8	10	6.3	0	15	F	AMPL	
7C4	9	5	6.3	25	0	F	DIODE	
7C4/1203A	9	5	6.3	25	0	F	DIODE	
7C5	6	2	6.3	67	25	F	AMPL	
7C6	2	3	6.3	15	8	F	AMPL	Shorts on 1, 4, and 5.
7C6	8	3	6.3	0	0	F	DIODE	
7C6	6	10	6.3	0	0	F	DIODE	
7C7	6	2	6.3	49	18	F	AMPL	
7E5	---	---	---	---	---	---	---	See table III.
7E5/1201	---	---	---	---	---	---	---	See table III.
7E6	---	---	---	---	---	---	---	See table III.
7E7	6	3	6.3	49	18	F	AMPL	
7E7	1	8	6.3	0	0	F	DIODE	
7E7	4	8	6.3	0	0	F	DIODE	
7F7	12	5	6.3	51	0	F	AMPL	
7F7	2	9	6.3	51	0	F	AMPL	Shorts on 1, 4, and 5.
7F8	---	---	---	---	---	---	---	See table III.
7G7	5	4	6.3	60	15	F	AMPL	
7G7/1232	5	4	6.3	60	15	F	AMPL	
7G8	---	---	---	---	---	---	---	See note III.
7H7	6	2	6.3	67	0	F	AMPL	
7J7	6	3	6.3	31	15	F	AMPL	
7J7	2	8	6.3	42	15	F	AMPL	
7K7	---	---	---	---	---	---	---	See table III.
7L7	6	2	6.3	60	10	F	AMPL	
7N7	2	9	6.3	60	18	F	AMPL	Shorts on 1, 4, and 5.
7N7	12	5	6.3	60	13	F	AMPL	
7Q7	6	2	6.3	33	17	F	AMPL	
7R7	6	3	6.3	67	8	F	AMPL	
7R7	1	8	6.3	0	0	F	DIODE	
7R7	4	8	6.3	0	0	F	DIODE	
7S7	6	3	6.3	53	15	F	AMPL	
7S7	2	8	6.3	53	0	F	AMPL	
7V7	6	2	6.3	72	5	F	AMPL	
7W7	6	2	6.3	67	9	F	AMPL	Shorts on 1, 4, and 5.
7X7/XXFM	1	2	6.3	30	0	F	AMPL	Shorts on 1, 4, and 5.
7X7/XXFM	12	8	6.3	0	0	F	DIODE	
7X7/XXFM	7	3	6.3	0	0	F	DIODE	
7Y4	1	6	6.3	40	0	F	RECTIFIER STD.	See note D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
7Y4	6	6	6.3	40	0	F	RECTIFIER STD.	See note D.
7Z4	1	6	6.3	40	0	F	RECTIFIER STD.	See note D.
7Z4	6	6	6.3	40	0	F	RECTIFIER STD.	See note D.
10	2	10	7.5	50	32	A	AMPL	
10Y	2	10	7.5	50	32	A	AMPL	
12A	2	10	5.0	57	36	A	AMPL	
12A/112A	2	10	5.0	57	36	A	AMPL	
12A5	1	12	6.3	0	0	D	-----	Check for shorts.
12A5	2	10	12.6	58	42	D	AMPL	
12A6	8	5	12.6	67	10	E	AMPL	
12A7	7	6	12.6	39	39	D	AMPL	
12A7	7	3	12.6	40	0	D	RECTIFIER STD.	See note D.
12A8GT	7	7	12.6	41	18	E	AMPL	
12A8GT	12	7	12.6	60	30	E	AMPL	OK, over 240.
12AH7GT	--	--	-----	--	--	--	-----	See table III.
12AL5	9	2	12.6	60	0	K	DIODE	Shorts on 2 and 3.
12AL5	4	2	12.6	60	0	K	DIODE	Shorts on 2 and 3.
12AT6	11	4	12.6	47	15	K	AMPL	
12AT6	4	8	12.6	0	0	K	DIODE	
12AT6	1	8	12.6	0	0	K	DIODE	
12AT7	--	--	-----	--	--	--	-----	See table III.
12AU6	--	--	-----	--	--	--	-----	See table III.
12AU7	--	--	-----	--	--	--	-----	See table III.
12AV6	--	--	-----	--	--	--	-----	See table III.
12AV7	--	--	-----	--	--	--	-----	See table III.
12AX7	--	--	-----	--	--	--	-----	See table III.
12B7	6	2	12.6	59	18	F	AMPL	
12B8GT	7	7	12.6	0	0	E	-----	Test for shorts.
12B8GT	1	7	12.6	58	18	E	AMPL	
12B8GT	11	1	12.6	60	0	E	AMPL	
12BA6	7	9	12.6	70	0	K	AMPL	
12BE6	8	5	12.6	52	9	K	AMPL	
12BE6	7	9	12.6	55	23	K	AMPL	
12C8	7	5	12.6	45	20	E	AMPL	
12C8	10	5	12.6	0	0	E	DIODE	
12F5GT	10	5	12.6	41	10	E	AMPL	
12H6	7	2	12.6	50	0	E	DIODE	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
12H6	7	5	12.6	50	0	E	DIODE	
12J5GT	7	5	12.6	60	24	E	AMPL	
12J7GT	1	9	12.6	48	18	E	AMPL	
12K7GT/G	8	5	12.6	54	20	E	AMPL	
12K8	8	5	12.6	41	9	E	AMPL	
12K8	11	5	12.6	63	9	E	AMPL	
12L8GT	--	--	----	--	--	--	-----	See table III.
12Q7GT/G	7	5	12.6	33	14	E	AMPL	
12Q7GT/G	10	5	12.6	0	0	E	DIODE	
12Q7GT/G	10	2	12.6	0	0	E	DIODE	
12SA7GT/G	1	7	12.6	28	17	E	AMPL	
12SA7GT/G	7	7	12.6	28	17	G	AMPL	
12SC7	10	3	12.6	42	0	G	AMPL	
12SC7	1	3	12.6	42	0	G	AMPL	
12SF5	7	2	12.6	40	13	G	AMPL	
12SF7	6	7	12.6	50	22	G	AMPL	
12SF7	8	1	12.6	0	0	G	DIODE	
12SG7	4	2	12.6	68	10	E	AMPL	
12SH7	4	2	12.6	69	0	E	AMPL	
12SJ7	4	2	12.6	56	18	E	AMPL	
12SK7GT/G	4	2	12.6	59	18	E	AMPL	
12SL7GT	--	--	----	--	--	--	-----	See table III.
12SN7GT	--	--	----	--	--	--	-----	See table III.
12SQ7GT/G	6	6	12.6	42	0	G	AMPL	
12SQ7GT/G	3	7	12.6	0	0	G	DIODE	
12SQ7GT/G	7	1	12.6	0	0	G	DIODE	
12SR7	--	--	----	--	--	--	-----	See table III.
12SW7	--	--	----	--	--	--	-----	See table III.
12SX7	4	1	12.6	67	0	G	AMPL	May show short on 2 and 3.
12SX7	10	4	12.6	67	0	G	AMPL	Shorts on 2 and 3.
12SY7	1	7	12.6	28	17	E	AMPL	
12SY7	7	7	12.6	28	17	E	AMPL	
12Z3	1	5	12.6	40	0	A	RECTI- FIER STD.	See note D.
12Z5	6	1	6.3	40	0	D	-----	Check for shorts.
12Z5	1	8	12.6	40	0	D	RECTI- FIER STD.	See note D.
12Z5	12	8	12.6	40	0	D	RECTI- FIER STD.	See note D.
14A4	6	2	12.6	66	14	F	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
14A5	6	2	12.6	60	15	F	AMPL	Set MICROMHOS switch to 6000.OK. over 800.
14A7/12B7	6	2	12.6	59	18	F	AMPL	
14AF7/XXD	12	5	12.6	64	0	F	AMPL	
12AF7/XXD	2	9	12.6	64	0	F	AMPL	Shorts on 1, 4, and 5.
14B6	2	3	12.6	44	0	F	AMPL	Shorts on 1, 4, and 5.
14B6	8	3	12.6	0	0	F	DIODE	Shorts on 1, 4, and 5.
14B6	12	10	12.6	0	0	F	DIODE	Shorts on 1, 4, and 5.
14B8	5	3	12.6	40	22	F	AMPL	
14B8	8	10	12.6	0	15	F	AMPL	
14C5	6	2	12.6	69	19	F	AMPL	
14C7	6	2	12.6	63	9	F	AMPL	
14E6	--	--	--	--	--	--	--	See table III.
14E7	6	3	12.6	49	18	F	AMPL	
14E7	1	8	12.6	0	0	F	DIODE	
14E7	4	8	12.6	0	0	F	DIODE	
14F7	2	9	12.6	56	0	F	AMPL	Shorts on 1, 4, and 5.
14F7	12	5	12.6	56	0	F	AMPL	
14F8	--	--	--	--	--	--	--	See table III.
14H7	6	2	12.6	67	9	F	AMPL	
14J7	6	3	12.6	31	15	F	AMPL	
14J7	2	8	12.6	42	15	F	AMPL	
14N7	2	9	12.6	64	13	F	AMPL	Shorts on 1, 4, and 5.
14N7	12	5	12.6	60	13	F	AMPL	
14Q7	6	2	12.6	31	14	F	AMPL	
14R7	6	3	12.6	67	8	F	AMPL	
14R7	1	8	12.6	0	0	F	DIODE	
14R7	4	8	12.6	0	0	F	DIODE	
14S7	6	3	12.6	53	15	F	AMPL	
14S7	2	8	12.6	53	0	F	AMPL	
14W7	6	2	12.6	67	9	F	AMPL	Shorts on 1, 4, and 5.
14Y4	1	6	12.6	40	0	F	RECTI-FIER STD.	See note D.
14Y4	6	6	12.6	40	0	F	RECTI-FIER STD.	See note D.
14Z3	1	5	12.6	40	0	A	RECTI-FIER STD.	See note D.
15	7	6	2.0	16	18	B	AMPL	
19	8	8	2.0	42	12	C	AMPL	
19	11	6	2.0	42	12	C	AMPL	
22	2	5	3.0	0	37	A	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
24	7	6	2.5	42	10	B	AMPL	
24A	7	6	2.5	42	10	B	AMPL	
YT-25A	2	10	6.3	60	25	A	AMPL	
25A6GT/G	8	5	25.0	62	35	E	AMPL	
25A7GT/G	11	5	25.0	40	0	E	-----	Check for shorts. See note D.
25A7GT/G	11	5	25.0	40	0	E	RECTI- FIER STD.	
25A7GT/G	8	5	25.0	58	35	E	AMPL	Shorts on 1, 4, and 5.
25AC5G	7	5	25.0	52	0	E	AMPL	
25B5	8	5	25.0	64	0	C	AMPL	
25B6	8	5	25.0	71	43	E	AMPL	
25B8GT	1	7	25.0	60	18	E	AMPL	
25B8GT	11	1	25.0	54	8	E	AMPL	
25C6G	8	5	25.0	74	36	E	AMPL	
25D8GT	8	5	25.0	59	15	E	AMPL	
25D8GT	11	5	25.0	45	0	E	AMPL	
25D8GT	5	1	25.0	0	0	E	DIODE	
25L6GT/G	8	5	25.0	75	15	E	AMPL	
25N6G	8	5	25.0	64	0	E	AMPL	
25X6	7	2	25.0	40	0	E	RECTI- FIER STD.	See note D.
25X6	7	5	25.0	40	0	E	RECTI- FIER STD.	See note D.
25Y5	7	8	25.0	40	0	C	RECTI- FIER STD.	See note D.
25Y5	12	8	25.0	40	0	C	RECTI- FIER STD.	See note D.
25Z3	1	5	25.0	40	0	A	RECTI- FIER STD.	See note D.
25Z4	7	2	25.0	35	0	E	RECTI- FIER STD.	See note D.
25Z5	7	8	25.0	40	0	C	RECTI- FIER STD.	See note D.
25Z5	12	8	25.0	40	0	C	RECTI- FIER STD.	See note D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
25Z5MG	7	2	25.0	40	0	E	RECTIFIER STD.	See note D.
25Z5MG	7	5	25.0	40	0	E	RECTIFIER STD.	See note D.
25Z6GT/G	7	2	25.0	40	0	E	RECTIFIER STD.	See note D.
25Z6GT/G	7	5	25.0	40	0	E	RECTIFIER STD.	See note D.
26	2	10	1.5	46	35	A	AMPL	
26A6	--	--	---	--	--	--	-----	See table III.
26A7	--	--	---	--	--	--	-----	See table III.
26C6	--	--	---	--	--	--	-----	See table III.
26Z5	--	--	---	--	--	--	-----	See table III.
27	1	6	2.5	40	34	B	AMPL	
28D7	8	1	25.0	60	12	F	DIODE	
28D7	3	6	25.0	60	12	F	AMPL	
30	2	10	2.0	36	33	A	AMPL	
31	2	10	2.0	35	53	A	AMPL	
32	2	5	2.0	19	30	A	AMPL	
32L7GT	11	5	35.0	0	0	E	-----	Test for shorts.
32L7GT	8	5	35.0	71	18	E	AMPL	
32L7GT	11	5	35.0	40	0	E	RECTIFIER STD.	See note D.
33	1	5	2.0	50	29	B	AMPL	
RK33	3	3	6.3	42	28	D	AMPL	
RK33	9	3	6.3	42	28	D	AMPL	
34	2	5	2.0	14	27	A	AMPL	
35	7	6	2.5	42	20	B	AMPL	
35A5	6	2	35.0	74	27	F	AMPL	
35B5	--	--	---	--	--	--	-----	See table III.
35C5	--	--	---	--	--	--	-----	See table III.
35L6GT/G	8	5	35.0	71	32	E	AMPL	
35W4	1	5	BLST	0	0	L	-----	Shorts on 1, 2, 3, 4, and 5.
35W4	1	5	35.0	40	0	L	RECTIFIER STD.	Shorts on 4 and 5. See note D.
35Y4	3	4	BLST	0	0	F	-----	Shorts on 1, 2, 3, 4, and 5.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
35Y4	1	1	35.0	40	0	F	RECTIFIER STD.	See note D.
35Z3	1	1	35.0	35	0	F	RECTIFIER STD.	See note D.
35Z4GT	10	2	35.0	40	0	E	RECTIFIER STD.	See note D.
35Z5GT/G	1	3	BLST	40	0	E	-----	Shorts on 1, 2, 3, 4, and 5.
35Z5GT/G	11	1	35.0	40	0	E	RECTIFIER STD.	See note D.
35Z6G	7	2	35.0	40	0	E	RECTIFIER STD.	See note D.
35Z6G	7	5	35.0	40	0	E	RECTIFIER STD.	See note D.
36	7	6	6.3	43	20	B	AMPL	
37	1	6	6.3	36	34	B	AMPL	
38	7	6	6.3	41	32	B	AMPL	
39/44	7	6	6.3	41	23	B	AMPL	
40	2	10	5.0	60	26	A	AMPL	OK, over 160.
40Z5/45Z5GT	11	1	35.0	40	0	E	RECTIFIER STD.	See note D.
40Z5/45Z5GT	1	3	BLST	40	0	E	-----	Shorts on 1, 2, 3, 4, and 5. See note D.
41	8	5	6.3	55	28	C	AMPL	
42	8	5	6.3	60	24	C	AMPL	
43	8	5	25.0	62	35	C	AMPL	
45	2	10	2.5	59	50	A	AMPL	
45Z3	10	2	35.0	40	0	H	RECT. 11N7, also RECTIFIER STD.	See note D.
45Z5GT	11	1	35.0	40	0	E	RECTIFIER STD.	See note D.
45Z5GT	1	3	BLST	40	0	E	-----	Shorts on 1, 2, 3, 4, and 5.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
46	1	5	2.5	60	25	B	AMPL	
47	1	5	2.5	60	18	B	AMPL	
48	8	5	25.0	60	48	C	AMPL	
49	1	5	2.0	45	40	B	AMPL	
50	2	10	7.5	53	50	A	AMPL	
50A5	6	2	50.0	74	25	F	AMPL	
50B5	--	--	----	--	--	--	-----	See table III.
50C5	--	--	----	--	--	--	-----	See table III.
50C6	8	5	50.0	74	36	E	AMPL	
50L6GT	8	5	50.0	74	25	E	AMPL	
50Y6GT/G	7	2	50.0	40	0	E	RECTI- FIER STD.	See note D.
50Y6GT/G	7	5	50.0	40	0	E	RECTI- FIER STD.	See note D.
50Z7G	7	6	50.0	40	0	E	RECTI- FIER STD.	Shorts on 4 and 5. See note D.
50Z7G	10	2	50.0	40	0	E	RECTI- FIER STD.	See note D.
51	7	6	2.5	42	20	B	AMPL	
51S	7	6	2.5	42	20	B	AMPL	
52	1	5	6.3	63	27	B	AMPL	
53	1	5	2.5	53	10	D	AMPL	
53	12	5	2.5	53	10	D	AMPL	
55	7	6	2.5	40	32	C	AMPL	
55	10	6	2.5	0	0	C	DIODE	OK. over 500.
55	10	3	2.5	0	0	C	DIODE	OK. over 500.
56	1	6	2.5	53	26	B	AMPL	
57	2	5	2.5	48	17	C	AMPL	
57A	2	5	6.3	48	17	C	AMPL	
58	2	5	2.5	54	20	C	AMPL	
58A/58AS	2	5	6.3	54	20	C	AMPL	
59	8	8	2.5	60	18	D	AMPL	
VT-67	2	10	2.0	43	30	A	AMPL	
70A7GT	8	5	75.0	71	17	E	AMPL	Shorts on 1, 4, and 5.
70A7GT	11	5	75.0	0	0	E	DIODE	OK. over 300.
70L7GT	6	12	75.0	71	34	E	-----	Check for shorts.
70L7GT	7	7	75.0	71	34	E	AMPL	
70L7GT	5	1	75.0	40	0	E	RECTI- FIER STD.	See note D.
71A	2	10	5.0	56	60	A	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
72	7	1	2.5	10	0	A	RECTIFIER STD.	See notes A and D.
75	7	6	6.3	28	9	C	AMPL	
75	10	6	6.3	0	0	C	DIODE	
75	10	3	6.3	0	0	C	DIODE	
75MG	9	5	6.3	28	9	E	AMPL	
75MG	12	2	6.3	0	0	E	DIODE	
75MG	12	5	6.3	0	0	E	DIODE	
76	1	6	6.3	53	24	B	AMPL	
77	2	5	6.3	48	17	C	AMPL	
78	2	5	6.3	54	20	C	AMPL	
79	2	10	6.3	39	12	C	AMPL	
79	5	10	6.3	39	12	C	AMPL	
80	2	7	5.0	35	0	A	RECTIFIER STD.	See note D.
80	3	7	5.0	35	0	A	RECTIFIER STD.	See note D.
81	2	7	7.5	33	0	A	RECTIFIER STD.	See note D.
82	2	7	2.5	40	0	A	RECTIFIER STD.	See note D.
82	3	7	2.5	40	0	A	RECTIFIER STD.	See note D.
82V	2	7	2.5	40	0	A	RECTIFIER STD.	See note D.
82V	3	7	2.5	40	0	A	RECTIFIER STD.	See note D.
83	2	7	5.0	40	0	A	RECTIFIER STD.	See note D.
83	3	7	5.0	40	0	A	RECTIFIER STD.	See note D.
83V	2	7	5.0	40	0	A	RECTIFIER STD.	See note D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
 I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
83V	3	7	5.0	40	0	A	RECTIFIER STD.	See note D.
84/6Z4	7	7	6.3	40	0	B	RECTIFIER STD.	See note D.
84/6Z4	5	1	6.3	40	0	B	RECTIFIER STD.	See note D.
85	7	6	6.3	40	32	C	AMPL	
85	10	6	6.3	0	0	C	DIODE	
85	10	3	6.3	0	0	C	DIODE	
89	2	5	6.3	54	30	C	AMPL	
89Y	2	5	6.3	54	30	C	AMPL	
99	2	10	3.0	60	45	A	AMPL	OK. over 340.
101D	2	10	4.3	39	25	A	AMPL	Insert tube in socket with pin on base away from operator.
101F	2	10	4.3	41	26	A	AMPL	Insert tube in socket with pin on base away from operator.
112A	2	10	5.0	57	36	A	AMPL	
HY113	7	5	1.5	0	40	O	AMPL	
HY115	7	5	1.5	60	32	O	AMPL	OK. over 290.
117L7/M7GT	2	8	117.0	72	30	E	AMPL	Shorts on 1, 4, and 5.
117L7/M7GT	5	8	117.0	40	0	E	RECTIFIER STD.	See note D.
117M7/GT	2	8	117.0	73	28	E	AMPL	Shorts on 1, 4, and 5.
117M7/GT	5	8	117.0	40	0	E	RECTIFIER STD.	See note D.
117N7GT	8	10	117.0	74	25	E	AMPL	
117N7GT	4	3	117.0	40	0	E	RECTIFIER 117N7, also RECTIFIER STD.	Shorts on 2 and 3. See note D.
117P7GT	8	10	117.0	70	25	E	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
117P7GT	4	3	117.0	40	0	E	RECTIFIER 117N7, also RECTIFIER STD.	Shorts on 2 and 3. See note D.
117Z3	2	6	117.0	41	0	L	RECTIFIER STD.	See note D.
117Z4GT	10	2	117.0	40	0	E	RECTIFIER STD.	See note D.
117Z6GT/G	2	7	117.0	75	0	E	GAS No. 1	See note D.
117Z6GT/G	10	2	117.0	75	0	E	GAS No. 1	Early tubes show shorts on 1 and 3; late tubes show shorts on 3. See note D.
HY 125	7	5	1.5	60	45	O	AMPL	OK. over 360.
HY 145	7	5	1.5	60	32	O	AMPL	OK. over 290.
VT 153	7	5	12.6	45	20	E	AMPL	
VT 153	10	5	12.6	0	0	E	DIODE	
VT 153	10	2	12.6	0	0	E	DIODE	
HY 155	7	5	1.5	60	45	O	AMPL	OK. over 360.
231D	2	10	3.0	19	15	A	AMPL	
244A	1	6	2.0	43	10	B	AMPL	
257A	2	5	3.0	0	40	A	AMPL	Attach clip of CAP lead to the top cap of the tube under test. OK. over 200.
259A	7	6	2.0	28	26	B	AMPL	
262B	2	6	10.0	15	25	A	AMPL	
272A	1	6	10.0	46	26	B	AMPL	
274A	3	7	5.0	35	0	A	RECTIFIER STD.	See note D.
274A	2	7	5.0	35	0	A	RECTIFIER STD.	See note D.
274B	5	11	5.0	35	0	E	RECTIFIER STD.	See note D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
274B	4	11	5.0	35	0	E	RECTIFIER STD.	See note D.
275A	2	10	5.0	54	70	A	AMPL	
283A	7	6	2.0	49	10	B	AMPL	
293A	8	5	10.0	43	31	C	AMPL	
300B	2	8	5.0	60	48	A	AMPL	Set MICROMHOS switch at 6000. OK. over 1600.
307A	12	1	5.0	69	30	B	AMPL	See note A.
310A	2	5	10.0	50	16	C	AMPL	
310B	2	5	10.0	44	20	C	AMPL	
311A	7	6	10.0	61	33	B	AMPL	
313C	2	10	50.0	0	0	A	DIODE	Good tube gives meter reading. May read in red sector. See note D.
313CC	2	10	50.0	0	0	A	DIODE	Good tube gives meter reading. May read in red sector. See note D.
313CD	2	10	50.0	0	0	A	DIODE	Good tube gives meter reading. May read in red sector. See note D.
328A	8	5	7.5	54	16	C	AMPL	
329A	7	6	7.5	62	33	B	AMPL	
336A	8	5	10.0	60	20	C	AMPL	Allow tube 60 seconds to warm up. Set MICROMHOS switch at 6000. OK. over 750.
337A	2	5	10.0	50	16	C	AMPL	
338A	1	6	10.0	40	80	B	RECTIFIER STD.	Tube strikes at approximately 35 on R when this control is turned counter-clockwise. See note D.
339A	12	1	5.0	60	45	B	AMPL	Set MICROMHOS switch to 6000. OK. over 1250. See notes A and D.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
345A	4	3	6.3	40	0	B	RECTIFIER STD.	Allow tube 60 seconds to warm up. See note D.
345A	7	7	6.3	40	0	B	RECTIFIER STD.	Allow tube 60 seconds to warm up. See note D.
348A	1	9	6.3	48	18	E	AMPL	
349A	8	5	6.3	67	30	E	AMPL	
350A	12	1	6.3	73	27	B	AMPL	See note A.
350B	8	5	6.3	73	27	E	AMPL	
352A	7	6	10.0	28	20	C	AMPL	
352A	10	6	10.0	0	0	C	DIODE	
352A	10	3	10.0	0	0	C	DIODE	
381A	--	--	----	--	--	--	-----	See table III.
385A	--	--	----	--	--	--	-----	See table III.
393A	2	10	3.0	40	80	E	RECTIFIER STD.	Connect plate cap to upper right contact of A socket. Good tube strikes between 22 and 32 on R when this control is rotated counterclockwise. See note D. Shorts on 1, 2, 3, 4, and 5.
394A	2	10	2.5	40	80	E	RECTIFIER STD.	Connect plate cap to upper right contact of A socket. Good tube strikes between 30 and 35 on R when this control is rotated counterclockwise. See note D.
CK503AX	--	--	----	--	--	--	-----	See table III.
CK506AX	--	--	----	--	--	--	-----	See table III.
CK512AX	--	--	----	--	--	--	-----	See table III.
615	7	5	6.3	36	25	E	AMPL	Connect right cap to upper right contact on A socket with lead provided. Connect grid lead to left cap.
713A	4	2	6.3	42	24	E	AMPL	See note A.
717A	4	2	6.3	44	23	E	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
801A	2	10	7.5	53	0	A	AMPL	
802	10	3	6.3	60	18	D	AMPL	
807	1	6	6.3	0	56	B	AMPL	See note A. Special cap lead to right center contact of 6 pin (C) socket. OK. over 500.
811	3	2	6.3	50	0	A	AMPL	Connect cap to upper contact of 5 pin (B) socket. Use special lead provided.
812	9	2	6.3	59	0	A	AMPL	See note A.
816	7	1	2.5	20	0	A	RECTIFIER STD.	See notes A and D.
829/829B	--	--	---	--	--	--	-----	See table III.
832/832A	--	--	---	--	--	--	-----	See table III.
837	10	3	12.6	71	0	D	AMPL	See note A.
841	2	10	7.5	42	0	A	AMPL	
842	2	10	7.5	46	50	A	AMPL	
843	1	6	2.5	56	10	B	AMPL	
864	2	10	1.1	18	37	A	AMPL	
865	10	4	7.5	16	28	A	AMPL	See note A.
866A/866	7	1	2.5	40	0	A	RECTIFIER STD.	See notes A and D.
871	7	1	2.5	20	0	A	RECTIFIER STD.	See note D.
874	4	5	OFF	30	0	A	GAS No. 1	See note D.
879	7	1	2.5	0	0	A	RECTIFIER STD.	OK. over 1000. See note D.
884	1	6	2.5	40	80	B	RECTIFIER STD.	Good tubes strike between 55 and 65 on R when this control is rotated counterclockwise. See note D.
885	1	6	2.5	40	80	B	RECEIVER STD.	Good tubes strike between 55 and 65 on R when this control is rotated counterclockwise. See note D.
950	1	5	2.0	37	37	B	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
951	2	5	2.0	18	29	A	AMPL	
954	6	7	6.3	44	17	M	AMPL	
955	9	7	6.3	59	18	M	AMPL	
956	6	7	6.3	53	14	M	AMPL	
957	9	7	1.1	19	23	M	AMPL	Shorts on 4 and 5.
958	9	7	1.1	32	34	M	AMPL	Shorts on 4 and 5.
985A	9	7	1.1	32	34	M	AMPL	Shorts on 4 and 5.
959	6	7	1.1	10	30	M	AMPL	Shorts on 4 and 5.
FM 1000	3	6	6.3	53	10	F	AMPL	
FM 1000	10	10	6.3	53	10	F	AMPL	
1005	1	12	6.3	68	0	G	OZ4	See note D.
1005	12	1	OFF	68	0	G	OZ4	See note D.
1006	2	7	1.5	68	0	A	OZ4	See note D.
1006	3	7	1.5	68	0	A	OZ4	See note D.
1007	8	2	1.1	62	0	E	OZ4	Shorts on 4 and 5.
1007	8	5	OFF	62	0	E	OZ4	Shorts on 4 and 5.
1201	12	4	6.3	67	0	N	AMPL	Shorts on 1, 2, and 5.
1203	9	5	6.3	25	0	F	DIODE	
1204	3	9	6.3	58	0	N	AMPL	Shorts on 4 and 5.
1231	5	4	6.3	71	10	F	AMPL	
1232	5	4	6.3	60	15	F	AMPL	
1274	10	2	6.3	35	0	E	RECTI- FIER STD.	See note D.
1274	2	9	6.3	35	0	E	RECTI- FIER STD.	See note D.
1284	6	2	12.6	60	23	F	AMPL	
1285	8	5	25.0	72	31	F	AMPL	
1291	--	--	--	--	--	--	-----	See table III.
1293	6	2	1.5	50	25	F	AMPL	
1294	10	5	1.5	0	0	F	DIODE	
1299	6	2	2.5	61	30	F	AMPL	Shorts on 1. See note E.
1603	1	7	6.3	49	17	C	AMPL	
1609	1	5	1.5	26	18	B	AMPL	
1611	8	5	6.3	60	24	E	AMPL	
1612	1	9	6.3	20	19	E	AMPL	
1612	8	5	6.3	20	22	E	AMPL	
1613	8	5	6.3	60	24	E	AMPL	
1614	8	5	6.3	73	20	E	AMPL	
1616	7	1	2.5	35	0	A	RECTI- FIER STD.	See notes A and D.
1619	8	5	2.5	69	24	E	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
1620	1	9	6.3	48	18	E	AMPL	
1621	8	5	6.3	60	24	E	AMPL	
1622	8	5	6.3	73	20	E	AMPL	
1624	12	1	2.5	71	14	B	AMPL	See note A.
1625	4	3	12.6	0	56	D	AMPL	Special cap lead to right center contact of 6 pin (C) socket. OK. over 500.
1626	8	5	12.6	61	43	E	AMPL	
1629	4	8	12.6	0	0	E	AMPL	Eye open.
1629	4	9	12.6	0	0	E	AMPL	Eye closed.
1631	8	5	12.6	73	19	E	AMPL	
1632	8	5	12.6	75	15	E	AMPL	
1633	4	1	25.0	75	0	G	AMPL	
1633	10	4	25.0	69	0	G	AMPL	Shorts on 2 and 3.
1634	10	3	12.6	42	0	G	AMPL	
1634	1	3	12.6	42	0	G	AMPL	
1635	12	5	6.3	35	0	E	AMPL	
1635	2	9	6.3	35	0	E	AMPL	
1641	7	1	5.0	40	0	A	RECTIF- FIER STD.	Connect clip lead to right plate cap. Left plate cap of tube under test should be connected to the upper left contact of the 6-pin (C) socket. A 12-inch lead with clip and banana plug is provided for that purpose. See note D.
1641	7	1	5.0	40	0	A	RECTIF- FIER STD.	Connect clip lead to left plate cap. Right plate cap of tube under test should be connected to the upper left contact of the 6-pin (C) socket. A 12-inch lead with clip and banana plug is provided for that purpose. See note D.
1644	--	--	---	--	--	--	-----	See table III.
1851	8	5	6.3	71	10	E	AMPL	

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
1852	4	2	6.3	71	0	E	AMPL	
1853	4	2	6.3	71	10	E	AMPL	
2050	8	5	6.3	40	80	E	RECTI-FIER STD.	Good tubes strike between 30 and 35 on R when this control is rotated counterclockwise. See note D.
2051	8	5	6.3	40	80	E	RECTI-FIER STD.	Good tubes strike between 30 and 35 on R when this control is rotated counterclockwise. See note D.
5517	10	2	OFF	64	0	H	OZ4	Connect plate cap of tube to upper left contact of 6-pin (C) socket. Use special lead provided. Shorts on 4 and 5. See note D.
5633/SN944	--	--	---	--	--	--	-----	See table III.
5634/SD828E	--	--	---	--	--	--	-----	See table III.
5635/SN955B	--	--	---	--	--	--	-----	See table III.
5636/- SN1007B	--	--	---	--	--	--	-----	See table III.
5637/SD917A	--	--	---	--	--	--	-----	See table III.
5638/SD828A	--	--	---	--	--	--	-----	See table III.
5640/SN947C	--	--	---	--	--	--	-----	See table III.
5641/SN977C	--	--	---	--	--	--	-----	See table III.
5643	--	--	---	--	--	--	-----	See table III.
5645	--	--	---	--	--	--	-----	See table III.
5646	--	--	---	--	--	--	-----	See table III.
5647/SN978B	--	--	---	--	--	--	-----	See table III.
5651	--	--	---	--	--	--	-----	See table III.
5654/6AK5W	--	--	---	--	--	--	-----	See table III.
5656	--	--	---	--	--	--	-----	See table III.
5663	12	2	6.3	40	80	K	RECTI-FIER STD.	Tube strikes at approximately 25 on R when this control is turned counterclockwise. See note D.
5670	--	--	---	--	--	--	-----	See table III.
5672	--	--	---	--	--	--	-----	See table III.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
5676/- CK556AX	--	--	---	--	--	--	-----	See table III.
5677/- CK568AX	--	--	---	--	--	--	-----	See table III.
5678/- CK569AX	--	--	---	--	--	--	-----	See table III.
5687	--	--	---	--	--	--	-----	See table III.
5696	--	--	---	--	--	--	-----	See table III.
5702	--	--	---	--	--	--	-----	See table III.
5703	--	--	---	--	--	--	-----	See table III.
5704	--	--	---	--	--	--	-----	See table III.
5725	1	9	6.3	42	15	K	AMPL	
5726	9	2	6.3	60	0	K	DIODE	Shorts on 2 and 3.
5726	4	2	6.3	60	0	K	DIODE	Shorts on 2 and 3.
5744	--	--	---	--	--	--	-----	See table III.
5749	7	9	6.3	70	0	K	AMPL	
5751	--	--	---	--	--	--	-----	See table III.
5783	--	--	---	--	--	--	-----	See table III.
5787	--	--	---	--	--	--	-----	See table III.
CK5829	--	--	---	--	--	--	-----	See table III.
5852	8	5	6.3	40	0	E	RECTI- FIER STD.	See note D.
5852	10	2	6.3	40	0	E	RECTI- FIER STD.	See note D.
5854	--	--	---	--	--	--	-----	See table III.
5896	--	--	---	--	--	--	-----	See table III.
5903	--	--	---	--	--	--	-----	See table III.
5930	2	10	2.5	67	55	A	AMPL	
5931	4	11	5.0	40	0	E	RECTI- FIER STD.	See note D.
5931	5	11	5.0	40	0	E	RECTI- FIER STD.	See note D.
7193	7	2	6.3	57	25	E	AMPL	
8016	7	1	1.1	0	0	E	RECTI- FIER STD.	Shorts on 3, 4, and 5. OK. over 200. See notes A and D.
8020	7	1	5.0	6	0	A	RECTI- FIER STD.	See notes A and D.
9001	--	--	---	--	--	--	-----	See table III.
9002	--	--	---	--	--	--	-----	See table III.

TABLE II. TUBE TEST DATA FOR USE WITH TUBE TESTERS
I-177, I-177-A, AND I-177-B—Continued

Tube type	Selector switch		Fil	Pot.		Socket letter	Press	Notations
	A	B		L	R			
9003	--	--	---	--	--	--	-----	See table III.
9004	9	12	6.3	44	0	M	DIODE	Good tube reads in green sector.
9005	9	1	3.0	20	0	M	DIODE	Shorts on 2, 3, 4, and 5. Good tube reads in green sector.
9006	2	9	6.3	20	0	L	DIODE	Shorts on 4 and 5.
38142	2	10	7.5	62	30	A	AMPL	
XXB	2	10	2.5	30	30	F	AMPL	
XXB	12	6	2.5	31	60	F	AMPL	OK. over 320.
XXD	12	5	12.6	64	0	F	AMPL	Shorts on 1, 4, and 5.
XXD	2	9	12.6	64	0	F	AMPL	
XXFM	1	2	6.3	30	0	F	AMPL	Shorts on 1, 4, and 5.
XXFM	12	8	6.3	0	0	F	DIODE	
XXFM	7	3	6.3	0	0	F	DIODE	
XXL	6	2	6.3	67	0	F	AMPL	

Note A. The plate cap of the tube under test should be connected to the upper left contact of the 6-pin (C) socket. A 12-inch lead with clip and banana plug is provided for this purpose.

Note B. Connect the plate cap (nearest the operator) to the upper left contact of the 6-pin (C) socket, using the lead provided. Connect the grid lead to the remaining cap on the tube.

Note C. Set the MICROMHOS switch at 6000 when testing this section if the tube tester bears either Order No. 27613-Phila-44-52 or 52346-Phila-45-10 on the nomenclature plate.

Note D. This test is only a partial indication of a good tube. A complete test is possible only when using equipment.

Note E. The tubes listed below should not be tapped when testing for shorts because damage to the tube may result:

1A5GT	1LB4	1S4/VT-210	3A6GT/VT-149
1A7GT	1LD5	1S5/VT-172	3B7/1291-VT-182
1C5GT	1LE3	1T4/VT-173	3D6/1299-VT-185
1G4GT	1LH4/VT-177	1T5GT	3LF4
1G6GT	1LN5/VT-179	1U4	3Q4
1H5GT	1P5GT	1U5	3Q5GT
1L4	1Q5GT	3A4	3S4/VT-174
1LA4	1R5/VT-171	3A5	3V4
1LA6			

TABLE III. TUBE TEST DATA FOR TUBE SOCKET ADAPTER KIT MX-949/U

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
1AD4	1.5	55	20	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X6 if short leads.	AMPL	Set LINE TEST to 1250.
1AE4	1.1	40	21	1 to FIL 2 to P 3 to SC 6 to G 7 to FIL	X8	AMPL	OK, over 850.
1AH4	1.1	0	20	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5	AMPL	Red dot indicates pin No. 1. Set MICROMHOS switch to 6000. OK, over 700. See note D.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
1CS, Converter section.	1.1	0	40	2 to K 4 to FIL 5 to FIL 6 to P 7 to SC 8 to G	X5 or X6 if short leads.	AMPL	OK. over 350.
1CS, Oscillator section.	1.1	0	60	2 to G 4 to FIL 5 to FIL 6 to P 7 to P 8 to K	X5 or X6 if short leads.	AMPL	OK. over 950.
1LG5	1.5	0	28	1 to FIL 2 to P 3 to SC 5 to FIL 6 to G	X4	AMPL	
1Q6	1.1	5	25	2 to G 4 to FIL 5 to FIL 7 to P 8 to SC	X5 or X6 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST.
1Q6	1.1	0	0	4 to FIL 5 to FIL 6 to P	X5 or X6 if short leads.	DIODE	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST.
1S4	1.5	50	45	1 to FIL 2 to P 3 to G 4 to SC 7 to FIL	X8	AMPL	See note E.
1S6	1.1	5	25	1 to P 3 to G 4 to FIL 5 to FIL 8 to SC	X5 or X6 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
1S6	1.1	0	0	4 to FIL 5 to FIL 6 to P	X5 or X6 if short leads.	DIODE	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST.
1V5	1.1	0	24	2 to G 4 to FIL 5 to FIL 7 to P 8 to SC	X5	AMPL	OK. over 440. See note D.
1W5	1.1	0	28	2 to G 4 to FIL 5 to FIL 7 to P 8 to SC	X5 or X6 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control meter until needle indicates 1800 instead of LINE TEST.
1Z2	1.1	0	0	1 to FIL 2 to FIL Cap to PLATE	X8	RECTIFIER STD.	Press LINE TEST button and rotate LINE ADJUSTMENT control until needle indicates 1800 instead of LINE TEST. OK. over 500. See note D.
2C50, Section No. 1.	12.6	48	39	1 to K 4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X3	AMPL	
2C50, Section No. 2.	12.6	48	39	1 to G 2 to P 3 to K 4 to K 7 to FIL 8 to FIL	X3	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug— Receptacle	Socket No.	Press	Notations
		L	R				
SC51, Section No. 1.	6.3	64	22	1 to FIL 2 to K 3 to G 4 to P 9 to FIL	X9	AMPL	
2C51, Section No. 2.	6.3	64	22	1 to FIL 6 to P 7 to G 8 to K 9 to FIL	X9	AMPL	
2C52, Section No. 1.	12.6	15	20	1 to K 4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X3	AMPL	
2C52, Section No. 2.	12.6	15	20	1 to G 2 to P 3 to K 4 to K 7 to FIL 8 to FIL	X3	AMPL	
2E24	6.3	48	30	1 to K 2 to FIL 2 to SC 4 to K 5 to G 7 to FIL Cap to P	X3	AMPL	Shorts on 4 and 5. Set MICROMHOS switch to 6000.
2E26	6.3	54	35	1 to K 2 to FIL 3 to SC 5 to G 7 to FIL 8 to K Cap to P	X3	AMPL	
2E30	6.3	52	25	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	

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TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
2E31/CK, 553AX.	1.1	10	30	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST. Red dot on tube indicates No. 1 lead.
2E32/CK, 553AX.	1.1	10	30	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST. Red dot on tube indicates No. 1 lead.
2E35	1.1	0	18	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5	AMPL	Red dot indicates pin No. 1. Depress AMPL only momentarily. Good tube reads on green.
2E41/CK, 551AX, Pentode section.	1.1	10	30	1 to P 2 to SC 4 to FIL 5 to G 6 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST. Red dot on tube indicates No. 1 lead.
2E41/CK, 551AX, Diode section.	1.1	0	0	3 to P 4 to FIL 6 to FIL	X5 or X7 if short leads.	DIODE	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
3A4	3.0	60	39	1 to FIL 2 to P 3 to SC 4 to G 6 to P 7 to FIL	X8	AMPL	See note E.
3B4	2.5	54	50	1 to SC 2 to K 3 to G 4 to FIL 5 to FIL 6 to K 7 to P	X8	AMPL	
3B7/1291, Triode No. 1.	2.5	40	25	1 to FIL 6 to G 7 to P 8 to FIL	X4	AMPL	See note E.
3B7/1291, Triode No. 2.	2.5	40	25	1 to FIL 2 to P 3 to G 8 to FIL	X4	AMPL	See note E.
3E29, Section No. 1.	12.6	65	24	1 to FIL 2 to G 3 to SC 4 to K 6 to G 7 to FIL Top lead of tube nearest operator to P.	X1	AMPL	Use tube contact assembly to make plate connection. See note D.
3E29, Section No. 2.	12.6	65	24	1 to FIL 2 to G 3 to SC 4 to K 6 to G 7 to FIL Top lead away from operator to P.	X1	AMPL	Use tube contact assembly to make plate connections. See note D.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
3Q4GT/G	2.5	62	20	1 to FIL 2 to P 3 to G 4 to SC 6 to P 7 to FIL	X8	AMPL	See note E.
3S4	3.0	50	45	1 to FIL 2 to P 3 to G 4 to SC 7 to FIL	X8	AMPL	See note E.
5A6	5.0	55	32	1 to P 3 to K 4 to FIL 5 to FIL 6 to SC 7 to G 9 to K	X9	AMPL	Shorts on 4 and 5.
6AB4	6.3	72	11	1 to P 3 to FIL 4 to FIL 6 to G 7 to K	X8	AMPL	
6AG5	6.3	59	15	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	
6AJ5	6.3	71	21	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	
6AK5	6.3	53	23	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug— Receptacle	Socket No.	Press	Notations
		L	R				
6AN5	6.3	65	16	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	Reads in green sector. Set MICROMHOS switch at 6000.
6AN6	6.3	40	0	1 to FIL 2 to P 6 to K 7 to FIL	X8	DIODE	See note D.
6AN6	6.3	40	0	1 to FIL 3 to P 6 to K 7 to FIL	X8	DIODE	See note D.
6AN6	6.3	40	0	1 to FIL 4 to P 6 to K 7 to FIL	X8	DIODE	See note D.
6AN6	6.3	40	0	1 to FIL 5 to P 6 to K 7 to FIL	X8	DIODE	See note D.
6AQ7, Triode	6.3	0	22	4 to G 5 to P 6 to K 7 to FIL	X3	AMPL	OK. over 1100. See note D.
6AQ7, Diode No. 1.	6.3	0	0	1 to P 2 to K 3 to K 7 to FIL 8 to FIL	X3	DIODE	
6AQ7, Diode No. 2.	6.3	0	0	1 to K 2 to K 3 to P 7 to FIL 8 to FIL	X3	DIODE	
6AR6	6.3	71	36	1 to K 3 to P 5 to SC 6 to FIL 7 to G 8 to FIL	X3	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
6AS7G, Triode No. 1.	6.3	70	82	4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X3	AMPL	Depress AMPL TEST switch only momentarily.
6AS7G, Triode No. 2.	6.3	70	82	1 to G 2 to P 3 to K 7 to FIL 8 to FIL	X3	AMPL	Depress AMPL TEST switch only momentarily.
6AU6	6.3	45	20	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	
6AV6, Triode section.	6.3	53	10	1 to G 2 to K 3 to FIL 4 to FIL 7 to P	X8	AMPL	
6AV6, Diode No. 1.	6.3	0	0	2 to K 3 to FIL 4 to FIL 6 to P	X8	DIODE	
6AV6, Diode No. 2.	6.3	0	0	2 to K 3 to FIL 4 to FIL 5 to P	X8	DIODE	
6B6G, Triode.	6.3	30	12	2 to FIL 3 to P 7 to FIL 8 to K Cap to G	X3	AMPL	Connect clip lead to top of tube.
6B6G, Diode No. 1.	6.3	0	0	2 to FIL 4 to P 7 to FIL 8 to K	X3	DIODE	
6B6G, Diode No. 2.	6.3	0	0	2 to FIL 5 to P 7 to FIL 8 to K	X3	DIODE	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
6B8, Pentode section.	6.3	49	20	1 to K 2 to FIL 3 to P 6 to SC 7 to FIL 8 to K Cap to G	X3	AMPL	
6B8, Diode No. 1.	6.3	0	0	1 to K 2 to FIL 5 to P 7 to FIL 8 to K	X3	DIODE	
6B8, Diode No. 2.	6.3	0	0	1 to K 2 to FIL 4 to P 7 to FIL 8 to K	X3	DIODE	
6B8G, Pentode section.	6.3	43	20	2 to FIL 3 to P 6 to SC 7 to FIL 8 to K Cap to G	X3	AMPL	
6B8G, Diode No. 1.	6.3	0	0	2 to FIL 5 to P 7 to FIL 8 to K	X3	DIODE	
6B8G, Diode No. 2.	6.3	0	0	2 to FIL 4 to P 7 to FIL 8 to K	X3	DIODE	
6BF6, Triode.	6.3	50	23	1 to G 2 to K 3 to FIL 4 to FIL 7 to P	X8	AMPL	
6BF6, Diode No. 1.	6.3	0	0	2 to K 3 to FIL 4 to FIL 6 to P	X8	DIODE	
6BF6, Diode No. 2.	6.3	0	0	2 to K 3 to FIL 4 to FIL 5 to P	X8	DIODE	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection: Plug—Receptacle	Socket No.	Press	Notations
		L	R				
6BH6	6.3	58	15	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	
6BN6, Limiter grid.	6.3	10	0	1 to K 2 to G 3 to FIL 4 to FIL 5 to SC 6 to K 7 to P	X8	AMPL	
6BN6, Quadrature grid.	6.3	25	0	1 to K 2 to K 3 to FIL 4 to FIL 5 to SC 6 to G 7 to P	X8	AMPL	
6F4	6.3	63	29	1 to FIL 2 to G 3 to P 6 to FIL 7 to K	X2	AMPL	
6J4	6.3	60	20	1 to G 2 to K 3 to FIL 4 to FIL 7 to P	X8	AMPL	Set MICROMHOS switch to 6000. Reads OK. over 800.
6K4	6.3	60	35	1 to P 2 to G 3 to FIL 4 to FIL 5 to K	X5 or X6 if short leads.	AMPL	Green arrow on tube indicates No. 1 lead.
6SL7GT, Section No. 1.	6.3	34	13	1 to K 4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X3	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug— Receptacle	Socket No.	Press	Notations
		L	R				
6SL7GT, Section No. 2.	6.3	34	13	1 to G 2 to P 3 to K 4 to K 7 to FIL 8 to FIL	X3	AMPL	
6SN7GT, Section No. 1.	6.3	56	24	1 to K 4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X3	AMPL	
6SN7GT, Section No. 2.	6.3	56	24	1 to G 2 to P 3 to K 4 to K 7 to FIL 8 to FIL	X3	AMPL	
6SR7, Triode.	6.3	53	25	2 to G 3 to K 6 to P 7 to FIL 8 to FIL	X3	AMPL	
6SR7, Diode No. 1.	6.3	0	0	3 to K 5 to P 7 to FIL 8 to FIL	X3	DIODE	
6SR7, Diode No. 2.	6.3	0	0	3 to K 4 to P 7 to FIL 8 to FIL	X3	DIODE	
6SU7, Section No. 1.	6.3	32	13	1 to K 4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X8	AMPL	
6SU7, Section No. 2.	6.3	32	13	1 to G 2 to P 3 to K 4 to K 7 to FIL 8 to FIL	X8	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
7AB7/1204	6.3	58	0	1 to SC 2 to FIL 3 to P 4 to K 5 to G 6 to K 7 to FIL	X4	AMPL	
7E5	6.3	67	0	1 to G 2 to FIL 3 to P 4 to K 5 to G 6 to K 7 to P 8 to FIL	X4	AMPL	
7E5/1201	6.3	67	0	1 to G 2 to FIL 3 to P 4 to K 5 to G 6 to K 7 to P 8 to FIL	X4	AMPL	
7E6, Triode section.	6.3	47	25	1 to FIL 2 to P 3 to G 7 to K 8 to FIL	X4	AMPL	
7E6, Diode No. 1.	6.3	0	0	1 to FIL 6 to P 7 to K 8 to FIL	X4	DIODE	
7E6, Diode No. 2.	6.3	0	0	1 to FIL 5 to P 7 to K 8 to FIL	X4	DIODE	
7F8, Section No. 1.	6.3	62	20	1 to K 2 to FIL 5 to K 6 to P 7 to FIL 8 to G	X4	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
7F8, Section No. 2.	6.3	60	20	1 to G 2 to FIL 3 to P 4 to K 7 to FIL 8 to K	X4	AMPL	
7G8, Section No. 1.	6.3	0	27	1 to FIL 3 to SC 4 to G 5 to G 6 to K 7 to P 8 to FIL	X5	AMPL	OK. over 1050. See note D.
7G8, Section No. 2.	6.3	0	27	1 to FIL 2 to P 3 to SC 4 to G 5 to G 6 to K 8 to FIL	X5	AMPL	OK. over 1050. See note D.
7K7, Triode.	6.3	0	20	1 to FIL 2 to K 3 to P 4 to G 8 to FIL	X4	AMPL	
7K7, Diode No. 1.	6.3	0	0	1 to FIL 6 to P 7 to K 8 to FIL	X4	DIODE	
7K7, Diode No. 2.	6.3	0	0	1 to FIL 5 to P 7 to K 8 to FIL	X4	DIODE	
12AH7GT, Section No. 1.	12.6	57	25	1 to K 4 to K 5 to G 6 to P 7 to FIL 8 to FIL	X3	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
12AH7GT, Section No. 2.	12.6	57	25	1 to G 2 to K 3 to P 5 to K 7 to FIL 8 to FIL	X3	AMPL	
12AT7, Section No. 1.	12.6	73	11	4 to FIL 5 to FIL 6 to P 7 to G 8 to K	X9	AMPL	
12AT7, Section No. 2.	12.6	73	11	1 to P 2 to G 3 to K 4 to FIL 5 to FIL	X9	AMPL	
12AU6	12.6	45	20	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	
12AU7, Section No. 1.	12.6	54	25	4 to FIL 5 to FIL 6 to P 7 to G 8 to K	X9	AMPL	
12AU7, Section No. 2.	12.6	54	25	1 to P 2 to G 3 to K 4 to FIL 5 to FIL	X9	AMPL	
12AV6, Triode section.	12.6	53	10	1 to G 2 to K 3 to FIL 4 to FIL 7 to P	X8	AMPL	
12AV6, Diode No. 1.	12.6	0	0	2 to K 3 to FIL 4 to FIL 6 to P	X8	DIODE	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
12AV6, Diode No. 2.	12.6	0	0	2 to K 3 to FIL 4 to FIL 5 to P	X8	DIODE	
12AV7, Section No. 1.	12.6	60	15	4 to FIL 5 to FIL 6 to P 7 to G 8 to K 9 to K	X9	AMPL	Shorts on 4 and 5. Set MICROMHOS switch to 15000. OK. over 400.
12AV7, Section No. 2.	12.6	60	15	1 to P 2 to G 3 to K 4 to FIL 5 to FIL 9 to K	X9	AMPL	Shorts on 4 and 5. Set MICROMHOS switch to 15000. OK. over 400.
12AX7, Section No. 1.	12.6	0	19	4 to FIL 5 to FIL 6 to P 7 to G 8 to K	X9	AMPL	
12AX7, Section No. 2.	12.6	0	19	1 to P 2 to G 3 to K 4 to FIL 5 to FIL	X9	AMPL	
12L8GT, Section No. 1.	12.6	58	15	1 to G 2 to K 3 to K 5 to SC 6 to FIL 7 to FIL	X4	AMPL	
12L8GT, Section No. 2.	12.6	58	15	8 to P 1 to K 2 to K 3 to G 4 to P 5 to SC 6 to FIL 7 to FIL	X4	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug— Receptacle	Socket No.	Press	Notations
		L	R				
12SL7, Section No. 1.	12.6	34	13	1 to G 2 to P 3 to K 4 to K 7 to FIL 8 to FIL	X3	AMPL	
12SL7, Section No. 2.	12.6	34	13	1 to K 4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X3	AMPL	
12SN7, Section No. 1.	12.6	56	24	1 to K 4 to G 5 to P 6 to K 7 to FIL 8 to FIL	X3	AMPL	
12SN7, Section No. 2.	12.6	56	24	1 to G 2 to P 3 to K 4 to K 7 to FIL 8 to FIL	X3	AMPL	
12SR7, Triode section.	12.6	53	25	2 to G 3 to K 6 to P 7 to FIL 8 to FIL	X3	AMPL	
12SR7, Diode No. 1.	12.6	0	0	3 to K 5 to P 7 to FIL 8 to FIL	X3	DIODE	
12SR7, Diode No. 2.	12.6	0	0	3 to K 4 to P 7 to FIL 8 to FIL	X3	DIODE	
12SW7, Triode section.	12.6	56	23	2 to G 3 to K 6 to P 7 to FIL 8 to FIL	X3	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug- Receptacle	Socket No.	Press	Notations
		L	R				
12SW7, Diode No. 1.	12.6	20	0	3 to K 5 to P 7 to FIL 8 to FIL	X3	DIODE	OK. over 800.
12SW7, Diode No. 2.	12.6	20	0	3 to K 4 to P 7 to FIL 8 to FIL	X3	DIODE	OK. over 800.
14E6, Triode.	12.6	47	25	1 to FIL 2 to P 3 to G 7 to K 8 to FIL	X4	AMPL	
14E6, Diode No. 1.	12.6	0	0	1 to FIL 6 to P 7 to K 8 to FIL	X4	DIODE	
14E6, Diode No. 2.	12.6	0	0	1 to FIL 5 to P 7 to K 8 to FIL	X4	DIODE	
14F8, Section No. 1.	12.6	60	20	1 to K 2 to FIL 5 to K 6 to P 7 to FIL 8 to G	X4	AMPL	
14F8, Section No. 2.	12.6	60	20	1 to G 2 to FIL 3 to P 4 to K 7 to FIL 8 to K	X4	AMPL	
26A6	25.0	60	9	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	Set the MICROM-HOS switch at 6000. Allow 60 seconds warm-up time. OK. over 1250. See note D.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
26A7, Section No. 1.	25.0	60	10	1 to G 2 to K 6 to FIL 7 to FIL 8 to P	X3	GAS No. 1	Allow 60 seconds warm-up time. Set the MICROMHOS switch at 6000. OK. over 1000. See note D.
26A7, Section No. 2.	25.0	60	10	2 to K 3 to G 4 to P 6 to FIL 7 to FIL	X3	GAS No. 1	Allow 60 seconds warm-up time. Set the MICROMHOS switch at 6000. OK. over 1000. See note D.
26C6, Triode section.	25.0	60	18	1 to G 2 to K 3 to FIL 4 to FIL 7 to P	X8	AMPL	Allow 60 seconds warm-up time. OK. over 1200. See note D.
26C6, Diode No. 1.	25.0	0	0	1 to G 2 to K 3 to FIL 4 to FIL 6 to P	X8	DIODE	
26C6, Diode No. 2.	25.0	0	0	1 to G 2 to K 3 to FIL 4 to FIL 5 to P	X8	DIODE	
26Z5, Diode No. 1.	25.0	60	0	1 to P 3 to K 4 to FIL 5 to FIL	X9	DIODE	
26Z5, Diode No. 2.	25.0	60	0	4 to FIL 5 to FIL 6 to P 8 to K	X9	DIODE	
35B5	35.0	63	32	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to G	X8	AMPL	Set MICROMHOS switch to 6000.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
35C5	35.0	63	32	1 to K 2 to G 3 to FIL 4 to FIL 5 to G 6 to SC 7 to P	X8	AMPL	Set MICROMHOS switch to 6000.
50B5	50.0	65	32	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to G	X8	AMPL	Set MICROMHOS switch to 6000.
50C5	50.0	65	32	1 to K 2 to G 3 to FIL 4 to FIL 5 to G 6 to SC 7 to P	X8	AMPL	Set MICROMHOS switch to 6000.
381 A	6.3	48	0	1 to K 2 to FIL 5 to P 8 to FIL	X3	DIODE	
385 A	6.3	48	22	1 to K 2 to FIL 3 to SC 5 to G 7 to K 8 to FIL Cap to P	X3	AMPL	
CK503AX	1.1	17	30	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X7 if short leads.	AMPL	Depress AMPL TEST switch only momentarily. Red dot on tube indicates No 1 lead.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
CK506AX	1.1	10	48	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST. Depress AMPL TEST switch only momentarily. Red dot on tube indicates No. 1 lead.
CK512AX	1.1	0	31	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1000 instead of LINE TEST. OK. over 250. Depress AMPL TEST button only momentarily. Red dot on tube indicates No. 1 lead.
829 B, Section No. 1.	12.6	65	24	1 to FIL 2 to G 3 to SC 4 to K 6 to G 7 to FIL Top lead of tube away from operator to P.	XI	AMPL	Use tube contact clip assembly to make plate connection. See note D.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
829 B, Section No. 2.	12.6	65	24	1 to FIL 2 to G 3 to SC 4 to K 6 to G 7 to FIL Top lead of tube nearest operator to P.	XI	AMPL	Use tube contact assembly to make plate connection. See note D.
832 A, Section No. 1.	12.6	52	30	1 to FIL 2 to G 3 to SC 4 to K 6 to G 7 to FIL Top lead of tube nearest operator to P.	XI	AMPL	Use tube contact clip assembly to make plate connection. See note D.
832 A, Section No. 2.	12.6	52	30	1 to FIL 2 to G 3 to SC 4 to K 6 to G 7 to FIL Top lead of tube away from operator to P.	XI	AMPL	Use tube contact clip assembly to make plate connection. See note D.
1291, Triode No. 1.	2.5	40	25	1 to FIL 6 to G 7 to P 8 to FIL	X4	AMPL	See note E.
1291, Triode No. 2.	2.5	40	25	1 to FIL 2 to P 3 to G 8 to FIL	X4	AMPL	See note E.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug- Receptacle	Socket No.	Press	Notations
		L	R				
1644, Section No. 1.	12.6	58	15	1 to G 2 to K 3 to K 5 to SC 6 to FIL 7 to FIL 8 to P	X4	AMPL	
1644, Section No. 2.	12.6	58	15	1 to K 2 to K 3 to G 4 to P 5 to SC 6 to FIL 7 to FIL	X4	AMPL	
5633/SN972	6.3	44	23	1 to K 2 to K 3 to G 4 to FIL 5 to SC 6 to FIL Top lead of tube to P.	X5 or X6 if short leads.	AMPL	Green arrow on side of tube indicates No. 1 lead.
5634/SD828E	6.3	54	25	1 to K 2 to K 3 to G 4 to FIL 5 to SC 6 to FIL Top lead of tube to P.	X5 or X6 if short leads.	AMPL	Green arrow on side of tube indicates No. 1 lead.
5635/SN-955B, Section No. 1.	6.3	53	25	1 to G 3 to FIL 6 to FIL 7 to P 8 to K	X5 or X6 if short leads.	AMPL	
5635/SN-955B, Section No. 2.	6.3	53	25	2 to G 3 to FIL 5 to P 6 to FIL 8 to K	X5 or X6 if short leads.	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
5636/SN-1007B	6.3	20	50	1 to G 2 to K 3 to FIL 4 to K 5 to P 6 to FIL 7 to SC	X5 or X6 if short leads.	AMPL	Depress AMPL TEST button only momentarily.
5637/SD-917A	6.3	15	24	1 to P 2 to G 3 to FIL 4 to FIL 5 to K	X5 or X6 if short leads.	AMPL	Green arrow indicates No. 1 lead.
5638/SD-828A	6.3	38	24	1 to P 2 to K 3 to G 4 to FIL 5 to SC 6 to FIL	X5 or X6 if short leads.	AMPL	Green arrow indicates No. 1 lead.
5640/SN-947D	6.3	72	40	1 to G 2 to K 3 to FIL 5 to P 6 to FIL 7 to SC	X5 or X6 if short leads.	AMPL	
5641/SN-954B	6.3	40	0	2 to P 3 to FIL 5 to K 6 to FIL	X5 or X6 if short leads.	RECTIFIER STD.	See note D.
5643	6.3	40	80	1 to P 2 to SC 3 to FIL 4 to K 5 to K 6 to FIL 7 to G	X5 or X6 if short leads.	RECTIFIER STD.	Shorts on 2 and 3. Tube strikes at approximately 31 on R when this control is rotated counterclockwise.
5645/SN-957A	6.3	15	33	1 to P 2 to K 3 to FIL 4 to G 5 to FIL	X5 or X6 if short leads.	AMPL	Green arrow indicates No. 1 lead.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
5646/SN-1006	6.3	0	24	1 to P 2 to K 3 to FIL 4 to G 5 to FIL	X5 or X6 if short leads.	AMPL	Depress AMPL TEST button only momentarily. Green arrow indicates No. 1 lead.
5647/SN-946B	6.3	40	0	1 to P 2 to FIL 3 to FIL 4 to K	X5 or X7 if short leads.	RECTIF- STANDARD.	Lead No. 1 on tube is blue. Lead No. 4 on tube is yellow. See note D.
5651	OFF	50	0	1 to P 2 to K 5 to P 7 to K	X8	GAS No. 1.	OK. over 800. Depress GAS No. 1 button until reading has stabilized. See note D.
5654/6AK5W	6.3	53	23	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	
5656, Section No. 1.	6.3	72	17	1 to SC 2 to G 4 to FIL 5 to FIL 6 to K 8 to P	X9	AMPL	
5656, Section No. 2.	6.3	72	17	1 to SC 3 to G 4 to FIL 5 to FIL 6 to K 7 to P	X9	AMPL	
5670, Section No. 1.	6.3	64	22	1 to FIL 2 to K 3 to G 4 to P 9 to FIL	X9	AMPL	
5670, Section No. 2.	6.3	64	22	1 to FIL 6 to P 7 to G 8 to K 9 to FIL	X9	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug- Receptacle	Socket No.	Press	Notations
		L	R				
5672	1.1	0	48	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5	AMPL	OK. over 600. Depress push button only momentarily.
5676/ CK556AX	1.1	36	33	1 to P 2 to FIL 3 to G 4 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800. Red dot on tube indicates No. 1 lead.
5677/ CK568AX	1.1	10	32	1 to P 2 to FIL 3 to G 4 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST. Red dot on tube indicates No. 1 lead.
5678/ CK569AX	1.1	10	25	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X7 if short leads.	AMPL	Press LINE TEST button and rotate LINE ADJUSTMENT control until meter indicates 1800 instead of LINE TEST. Red dot on tube indicates No. 1 lead.
5687, Section No. 1.	12.6	70	30	4 to FIL 5 to FIL 6 to K 7 to G 9 to P	X9	AMPL	
5687, Section No. 2.	12.6	70	30	1 to P 2 to G 3 to K 4 to FIL 5 to FIL	X9	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
5696	6.3	40	80	1 to G 2 to K 3 to FIL 4 to FIL 5 to SC 6 to P	X8	RECTIFIER STD.	Tube strikes at approximately 25 on R when this control is rotated counter-clockwise. See note D.
5702	6.3	56	22	1 to P 2 to SC 3 to FIL 4 to FIL 5 to K 6 to K 7 to G	X5 or X7 if short leads.	AMPL	See note D.
5703/ CK608CX	6.3	73	15	1 to P 3 to FIL 4 to FIL 5 to G 6 to K	X5 or X7 if short leads.	AMPL	Red dot on tube indicates lead No. 1.
5704/ CK606BX	6.3	40	0	1 to P 2 to FIL 3 to FIL 4 to K	X5 or X7 if short leads.	RECTIFIER STD.	Red dot on tube indicates lead No. 1. See note D.
5744/ CK619CX	6.3	40	22	1 to P 2 to FIL 3 to FIL 4 to G 5 to K	X5 or X6 if short leads.	AMPL	Red dot on tube indicates lead No. 1.
5751, Section No. 1.	12.6	0	19	4 to FIL 5 to FIL 6 to P 7 to G 8 to K	X9	AMPL	
5751, Section No. 2.	12.6	0	19	1 to P 2 to G 3 to K 4 to FIL 5 to FIL	X9	AMPL	
5783	OFF	50	0	1 to K 2 to P 3 to K	X5 or X7 if short leads.	GAS No. 1	OK. over 800. Depress Gas No. 1 button until tube has stabilized. See note D. Red dot on tube indicates No. 1 lead.

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug—Receptacle	Socket No.	Press	Notations
		L	R				
5787	OFF	40	0	1 to K 3 to P 5 to K	X5 or X7 if short leads.	GAS No. 1	Pins No. 2 and 4 may be missing from tube. Red dot indicates lead No. 1. See note D.
CK5829, Section No. 1.	6.3	60	0	1 to P 2 to K 3 to FIL 5 to FIL	X5 or X7 if short leads.	DIODE	Red dot indicates lead No. 1.
CK5829, Section No. 2.	6.3	60	0	3 to FIL 5 to FIL 6 to P 7 to K	X5 or X7 if short leads.	DIODE	Red dot indicates lead No. 1.
5854	1.1	17	30	1 to P 2 to SC 3 to FIL 4 to G 5 to FIL	X5 or X7 if short leads.	AMPL	Depress AMPL TEST button only momentarily. Red dot on tube indicates lead No. 1.
5896, Diode No. 1.	6.3	50	0	3 to FIL 5 to P 6 to FIL 7 to K	X5	DIODE	
5896, Diode No. 2.	6.3	50	0	1 to P 2 to K 3 to FIL 6 to FIL	X5	DIODE	
5903, Diode No. 1.	6.3	50	0	3 to FIL 5 to P 6 to FIL 7 to K	X5	DIODE	
5903, Diode No. 2.	25.0	50	0	1 to P 2 to K 3 to FIL 6 to FIL	X5	DIODE	
9001	6.3	44	17	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	

TABLE III. TUBE TEST DATA FOR TUBE SOCKET
ADAPTER KIT MX-949/U—Continued

Tube type	Fil (v)	Pot.		Patch cord connection Plug— Receptacle	Socket No.	Press	Notations
		L	R				
9002	6.3	63	18	1 to P 2 to K 3 to FIL 4 to FIL 5 to P 6 to G 7 to K	X8	AMPL	
9003	6.3	54	14	1 to G 2 to K 3 to FIL 4 to FIL 5 to P 6 to SC 7 to K	X8	AMPL	