

ALTEC SERVICE CORPORATION

OUTPUT TRANSFORMERS, GENERAL

ALTEC LANSING TRANSFORMERS - OUTPUT

TYPE	APPLICATION	IMPEDANCES						FREQ- UENCY RANGE	RESPONSE	MAX. LEVEL REF. 6 W.	SHIELD- ING	TOTAL MAX. D.C. PLATE CURRENT	MAX. D.C. UNBALANCE	OVERALL DIMENSIONS AS MOUNTED (INCHES)	MOUNTING DIMENSIONS (INCHES)
		INPUT CONNECT TO		STRAP		OUTPUT CONNECT TO									
TBB-208	PP LOW LEVEL	12500 3125	1-4 1-4	2-3 1-3,2-4	500 250 125 62.5	5-10 6-9 5-10 6-9	7-8 7-8 5-8,7-10 6-8,7-9	100- 5000	1 DB	+20 DB 0.6 WATTS	NONE	PARALLEL FEED		2 1/4 x 2 3/8 x 2 7/8 H	1 7/16 x 1 7/16
TM-222 (WE-A171A)	MEDIUM LEVEL	3000	BL WH-BRN		9 3.6	RD BL RD-RD WH		100- 6000	1 DB	+31.2 DB 8 WATTS	NONE	60 MA	SINGLE ENDED	2 5/8 x 3 5/8 x 3 13/16 H	2 x 3 1/4
TJ-152A	OUTPUT OR INTERSTAGE PP HIGH LEVEL WITH TERTIARY	9500 2375	1-4 1-4	2-3 1-3,2-4	3000 2000 750 500 195	5-10 5-10 5-10 5-10 11-12	7-8 6-9 5-8,7-10 5-9,6-10 (TERTIARY)	20- 20000	1 DB	+39 DB 47.7 WATTS	NONE	200 MA	10 MA	4 x 4 5/8 x 5 1/4 H	3 1/2 x 4
TJ-21B	PP HIGH LEVEL	9500	1-4	2-3	10 20	7-6 7-5		20- 20000	1 DB	+39 DB 47.7 WATTS	NONE	130 MA	7 MA	4 x 4 5/8 x 5 1/4 H	3 1/2 x 4
TL-203A	PP MEDIUM LEVEL	6600 1650	1-4 1-4	2-3 1-3,2-4	500 12 6	5-8 5-7 5-6		40- 15000	1 DB	+34 DB 15 WATTS	NONE	130 MA	7 MA	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TL-204 (TL-204A)	PP MEDIUM LEVEL	6600	1-3	C.T. 2	6 12	4-5 4-6		40- 15000	1 DB	+35 DB 19 WATTS	NONE	100 MA	10 MA	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TL-216A	PP MEDIUM LEVEL WITH TERTIARY	6600 1650	1-4 1-4	2-3 1-3,2-4	500 220 125 56 14 20	5-10 6-9 5-10 6-9 5-10 11-12	7-8 7-8 5-8,7-10 6-8,7-9 5-9,6-10 (TERTIARY)	20- 20000	1 DB	+35 DB 19 WATTS	NONE	130 MA	7 MA (6600 ~) 14 MA (1650 ~)	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TL-217B *	PP MEDIUM LEVEL	6600	BR-BL	C.T. RD.	10 20	BLK-YEL BLK-GR		20- 20000	1 DB	+35 DB 19 WATTS	NONE	130 MA	7 MA	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TL-218	PP MEDIUM LEVEL WITH TERTIARY	8000 2000	1-4 1-4	2-3 1-3,2-4	500 250 125 62.5 20	5-10 6-9 5-10 6-9 11-12	7-8 7-8 5-8,7-10 6-8,7-9 (TERTIARY)	20- 20000	1 DB	+32 DB 9.5 WATTS	NONE	50 MA	5 MA (8000 ~) 10 MA (2000 ~)	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TL-219	OUTPUT OR INTERSTAGE PP MEDIUM LEVEL WITH TERTIARY	6600 1650	1-4 1-4	2-3 1-3,2-4	3000 2000 750 500 20	5-10 6-9 5-10 6-9 11-12	7-8 7-8 5-8,7-10 6-8,7-9 (TERTIARY)	20- 20000	1 DB	+35 DB 19 WATTS	NONE	130 MA	7 MA (6600 ~) 14 MA (1650 ~)	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TL-220	PP LOW LEVEL	10000 2500	1-4 1-4	2-3 1-3,2-4	7 5-6			7- 1000	1 DB	+22 DB 1 WATT	30 DB	10 MA	5 MA	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TLB-208 (WE-159B)	PP MEDIUM LEVEL	4000	3-6	4-5	6 12	1-1T 1-2		40- 8000	1 DB	+30 DB 6 WATTS	NONE	120 MA	10 MA	3 1/2 x 2 1/2 x 4 3/4 H	2 1/4 x 1 3/4
TM-208 (WE- ARIOSSAL)	PP HIGH LEVEL (87E TO 87W CONVERSION)	6700 1675	1-4 1-4	2-3 1-3,2-4	500 250 125 62.5	5-11 7-9 5-11 7-9	8-10 8-10 5-10,8-11 7-10,8-9	40- 8000 BELOW 40 DB 100 8000 40 DB 46 DB	0.5 DB	+46 DB 240 WATTS	NONE	400 MA	40 MA	5 3/8 x 6 x 6 1/8 H	5 3/4 x 3 1/4
TM-219B	PP HIGH LEVEL	8200 2050	1-4 1-2	2-3 1-3,2-4	20 9 5 2.25	5-10 6-9 5-10 6-9	7-8 7-8 5-8,7-10 6-8,7-9	60- 10000	1 DB	+46.2 DB 250 WATTS	NONE	400 MA	40 MA	5 x 7 5/8 x 6 1/2 H	5 1/4 x 5 3/8
TM-220A (WE- ARIOSSAL)	PP HIGH LEVEL	4000	1-4	2-3	16 8 4 2	5-10 6-9 5-10 6-9	7-9 7-9 5-8,7-10 6-8,7-9	20- 20000	1 DB	+42.2 DB 100 WATTS	NONE	300 MA	15 MA	5 9/32 x 6 x 6 H	5 5/8 x 3 1/4
TMB-210	PP LOW LEVEL	6600	1-3	C.T. 2	15	4-5		800 (ONLY)		+23 DB 1.2 WATTS	NONE				
TML-200	PP MEDIUM LEVEL	9000	1-3	C.T. 2	600 550 500	4-7 4-6 4-5		400 (ONLY)		+36.2 DB 25 WATTS	NONE				
TML-221	PP MEDIUM LEVEL	6600	PL-PL	C.T. B+	2700	6-6	C.T. C-	20- 20000	1 DB	+35 DB 19 WATTS	NONE	140 MA	7 MA	4 7/8 x 3 3/4 x 4 1/2 H	3 5/8 x 3 1/8
TP-202	PP LOW LEVEL	20,000 3,125	1-4 1-4	2-3 1-3,2-4	500 250 125 62.5	5-10 6-9 5-10 6-9	7-8 7-8 5-8,7-10 6-8,7-9	20- 20000	1 DB	+15 DB 0.19 WATTS	60 DB	PARALLEL FEED		2 7/8 x 2 1/2 x 3 1/2 H	2 1/2 x 2
TP-204	PP LOW LEVEL	12,500 3,125	1-4 1-4	2-3 1-3,2-4	500 250 125 62.5	5-14 6-13 5-14 6-13	7-12 7-12 5-12,7-14 6-12,7-13	20- 20000	1 DB	+15 DB 0.19 WATTS	60 DB	PARALLEL FEED		2 7/8 x 2 1/2 x 3 1/2 H	2 1/2 x 2
TP-211	PP MEDIUM LEVEL WITH TERTIARY	3500	BL-BRN	C.T. RD	10	RD-WH-GRN.		20- 10,000	2 DB	+30 DB 6 WATTS	NONE	50 MA	5 MA	2 7/8 x 2 1/2 x 3 1/2 H	2 1/2 x 2
TL-217A *	PP MEDIUM LEVEL	6600	1-3	C.T. 2	10 20	6-5 6-4		20- 20,000	1 DB	+35 DB 19 WATTS	NONE	130 MA	7 MA	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TP-212	SINGLE 6L6 WITH CATHODE TERTIARY	5200	1-4	2-3	8	5-8		50- 8000	1 DB	27 DB 3 WATTS	NONE	65 MA	65 MA	2 1/2 x 2 7/8 x 3 1/2 H	2 x 2 1/2

ISS	APPR'D	DATE	CHANGE	ISSUE	APPR'D	DATE	CHANGE	DR BY	APPROVED
3E	7-2-46	TP-211	ADDED	1	7-2-46	TP-211	ADDED	ALTEC LANSING CORPORATION	
3F	7-30-46	TP-211	ADDED	2	7-30-46	TP-211	ADDED	HOLLYWOOD, CALIFORNIA	
				3					
				3A					
				3B					
				3C					
				3D					

ALTEC SERVICE CORPORATION

SPEECH TRANSFORMERS, GENERAL

ALTEC LANSING TRANSFORMERS - SPEECH

TYPE	APPLICATION	BALANCED TO GROUND	IMPEDANCES						FREQ. RANGE	RESPONSE + -	MAX. LEVEL REF. 6MW.	SHIELDING	OVERALL DIMENSIONS AS MOUNTED. (INCHES)	MOUNTING DIMENSIONS (INCHES)
			INPUT			OUTPUT								
			OHMS	TO CONNECT	STRAP	OHMS	TO CONNECT	STRAP						
TB-101	INPUT - LINE TO SINGLE OR PP GRIDS.	SECONDARY ONLY	500 125	1-4 1-4	2-3 1-3,2-4	70,000 17,500	5-8 5-8	6-7 5-7,6-8	20- 20000	1 DB	-20 DB	25 DB MAGNETIC & ELECTROSTATIC	1 3/4 x 1 5/8 DIA.	1 1/2
TB-102	INPUT - LINE TO SINGLE OR PP GRIDS.	SECONDARY ONLY	250 125 62.5 31	1-6 2-5 1-6 2-5	3-4 3-4 1-4,3-8 2-4,3-5	70,000 17,500	7-10 7-10	8-9 7-9,8-10	20- 20000	1 DB	-20 DB	25 DB MAGNETIC & ELECTROSTATIC	1 3/4 x 1 5/8 DIA.	1 1/2
TB-103	INPUT - LINE TO SINGLE OR PP GRIDS	SECONDARY ONLY	500 250 50	1-3 1-2 2-3		70,000 17,500	5-8 5-8	6-7 5-7,6-8	20- 20000	1 DB	-20 DB	25 DB MAGNETIC & ELECTROSTATIC	1 3/4 x 1 5/8 DIA.	1 1/2
TB-131	INTERSTAGE OR BRIDGING SINGLE OR PP PLATES TO SINGLE OR PP GRIDS	PRIMARY & SECONDARY	10000 2500	1-4 1-4	2-3 1-3,2-4	40,000 10,000	7-10 7-10	8-9 7-9,8-10	20- 20000	1 DB	-20 DB	25 DB MAGNETIC & ELECTROSTATIC	1 3/4 x 1 5/8 DIA.	1 1/2
TBA-105 (WE-A233E)	INPUT - LINE TO GRID	NO	200 50	1-6 1-6	2-5 2-6,1-5	25,000 6,250	3-8 3-8	4-7 3-7,4-8	60- 8000	0.5 DB	+12 DB	30 DB	3 1/4 x 2 1/16 x 5 9/16 H	2 3/16 x 2 7/8
TBA-106 (WE-A247A)	INPUT - LINE TO GRID	NO	250	1-4	2-3	159,000	5-8		60- 8000	0.5 DB	+42 DB	30 DB	2 7/8 x 2 7/8 x 3 7/8 H	2 3/8 x 2 3/8
TBA-2014 (WE-A170A)	INPUT - PEC TO LINE	NO	357000	BL-BL	WH	25	RD-RD	WH	100- 6000	1 DB	0 DB	25 DB	1 1/16 x 1 9/16 DIA.	
TBB-101	INPUT - LINE TO SINGLE OR PP GRIDS	SECONDARY ONLY	500 125	1-4 1-4	2-3 1-3,2-4	70000 17,500	7-10 7-10	8-9 7-9,8-10	20- 20000	1 DB	-20 DB	90 DB MAGNETIC & ELECTROSTATIC	2 1/4 x 2 3/8 x 2 7/8 H	1 7/16 x 1 7/16
TBB-102	INPUT - LINE TO SINGLE OR PP GRIDS	SECONDARY ONLY	250 125 62.5 31	1-6 2-5 1-6 2-5	3-4 3-4 1-4,3-8 2-4,3-5	70,000 17,500	7-10 7-10	8-9 7-9,8-10	20- 20000	1 DB	-20 DB	90 DB MAGNETIC & ELECTROSTATIC	2 1/4 x 2 3/8 x 2 7/8 H	1 7/16 x 1 7/16
TBB-103	INPUT LINE TO SINGLE OR PP GRIDS	SECONDARY ONLY	500 250 50	1-3 1-2 2-3		70,000 17,500	7-10 7-10	8-9 7-9,8-10	20- 20000	1 DB	-20 DB	90 DB MAGNETIC & ELECTROSTATIC	2 1/4 x 2 3/8 x 2 7/8 H	1 7/16 x 1 7/16
TBB-115	INPUT LINE TO SINGLE OR PP GRIDS	SECONDARY ONLY	20 5	1-4 1-4	2-3 1-3,2-4	70000 17,500	7-10 7-10	8-9 7-9,8-10	20- 20000	1 DB	-20 DB	90 DB MAGNETIC & ELECTROSTATIC	2 1/4 x 2 3/8 x 2 7/8 H	1 7/16 x 1 7/16
TBB-151	INTERSTAGE OR BRIDGING SINGLE OR PP PLATES TO SINGLE OR PP GRIDS	PRIMARY & SECONDARY	10000 2500	1-4 1-4	2-3 1-3,2-4	40000 10000	7-10 7-10	8-9 7-9,8-10	20- 20000	1 DB	-20 DB	90 DB MAGNETIC & ELECTROSTATIC	2 1/4 x 2 3/8 x 2 7/8 H	1 7/16 x 1 7/16
TBD-104 (WE-2618)	INPUT - LINE TO GRID	PRIMARY ONLY	200 50	1-4 1-4	2-3 1-3,2-4	110,000	5-6		20- 20000	1.5 DB	-20 DB	90 DB MAGNETIC & ELECTROSTATIC	2 1/8 x 2 7/8 x 3 1/8 H	2 3/8 x 2 3/8
TJ-152-A	INTERSTAGE OR OUTPUT PP WITH TERTIARY	PRIMARY & SECONDARY	9500 2375	1-4 1-4	2-3 1-3,2-4	3000 2000 750 500	5-10 5-10 5-10 5-10	7-8 6-8 5-8,7-10 5-9,8-10	20- 20000	1 DB	+39 DB	NONE	4 x 4 5/8 x 5 1/4 H	3 1/2 x 4
TL-101 B	INPUT - A 287 F AMPL.	YES	500 220 125 56 14	1-6 2-3 1-6 2-5 1-6	3-4 3-4 1-4,3-8 2-4,3-5 1-3,2-6	30000	7-10	8-9	20- 20000	1 DB	+34 DB	NONE	3 1/2 x 3 5/8 x 4 1/8 H	2 7/8 x 2 7/8
TM-131 A (WE-264C)	INTERSTAGE - SINGLE PLATE TO PP GRIDS	PRIMARY & SECONDARY	20000	1-2		100000	3-6	4-5	40- 8000	1 DB	200V PEAK ACROSS 3-6	30 DB HUM BUCKING.	2 13/16 x 2 13/16 x 3 1/2 H	2 3/8 x 2 3/8
TMB-156	SPECIAL SERVICE DUAL WINDINGS	NO	50000	1-2 OR 6-7		1,800,000	3-5 OR 8-10 C.T.'S	4 & 9	20- 500	1 DB	2.5 V ACROSS PRIMARY	NONE		
TB-105	LOW LEVEL INPUT	NO	5000	RD,WH-RD		250,000	GRN-BLK		20- 10,000	2 DB	0 DB	NONE	1 5/8 DIA x 1 3/4 H	1 1/2

ISSUE	APPROV	DATE	CHANGE	DR BY	APPROV
1		7/1/45			
2		6-21-45	"ORIGINAL" WAS "OUTSIDE"		
3			CHANGED STRAPPING FOR TM-103		
3A			TBA-106, TBA-105, TBA-2014 ADDED NOTES A,E,F		
3B			REVISED TO INCLUDE CURRENT ITEMS.		
3C		6-22-46	RATINGS TBA-105A CORRECTED		
3D		7-2-46	TB-103 ADDED		

ALTEC LANSING CORPORATION
HOLLYWOOD, CALIFORNIASPEECH
TRANSFORMERS

3756

ALTEC LANSING TRANSFORMERS - MATCHING

TYPE	APPLICATION	BALANCED TO GROUND	IMPEDANCES						FREQ- UENCY RANGE	RESPONSE + -	MAX. LEVEL REF. 6 mw.	SHIELD- ING	OVERALL DIMENSIONS AS MOUNTED (INCHES)	MOUNTING DIMENSIONS (INCHES)
			INPUT CONNECT TO			OUTPUT CONNECT TO								
			OHMS	WH - BR WH - RD	STRAP	OHMS	WH - BR WH - RD	STRAP						
TJ-403A	HIGH LEVEL AUTO - TRANSFORMER	NO	3 12	WH - BR WH - RD					40 - 15000	1 DB	+ 42.2 DB 100 WATTS	NONE	4 X 4 ⁵ / ₈ X 5 ¹ / ₄ H	3 ¹ / ₂ X 4
TL-254 C	MEDIUM LEVEL	NO	1000 500 250	1-4 1-3 1-2		12 6	5-7 5-6		20 - 20000	1 DB	+ 35 DB 19 WATTS	NONE	3 ¹ / ₂ X 3 ⁵ / ₈ X 4 ¹ / ₈ H	2 ⁷ / ₈ X 2 ⁷ / ₈
TL-262	MEDIUM LEVEL	NO	250 500 1000	1-2 1-3 1-4		10 20	5-6 5-7		20 - 20000	1 DB	+ 35 DB 19 WATTS	NONE	3 ¹ / ₂ X 3 ⁵ / ₈ X 4 ¹ / ₈ H	2 ⁷ / ₈ X 2 ⁷ / ₈
TP-255A	HYBRID 3 WINDING	YES ALL WINDINGS	500 500	1-2 3-4	2-3 2-3	500	5-14	7-12	20 - 10000	1 DB	+ 15 DB 0.2 WATTS	30 DB	2 ⁷ / ₈ X 2 ¹ / ₂ X 3 ¹ / ₂ H	2 ¹ / ₂ X 2
	MATCHING LOW LEVEL	"	1000 250	1-4 1-4	2-3 1-3, 2-4	500 125	5-14 5-14	7-12 5-12, 7-14	20 - 20000	2 DB "	" "	"	"	"
TP-256	LOW LEVEL	YES	500/600 250/300 125/150 62.5/75	1-6 2-5 1-6 2-5	3-4 3-4 1-4, 3-6 2-4, 3-5	500/600 250/300 125/150 62.5/75	7-12 8-11 7-12 8-11	9-10 9-10 7-10, 9-12 8-10, 9-11	20 - 20,000	1 DB	+ 15 DB 0.2 WATTS	40 DB	2 ⁷ / ₈ X 2 ¹ / ₂ X 3 ¹ / ₂ H	2 ¹ / ₂ X 2
TP-404	MEDIUM LEVEL AUTO - TRANSFORMER	NO	2.5 5 12	WH - YEL WH - RD WH - BR					50 - 8000	1 DB	+ 35.2 DB 20 WATTS	NONE	2 ⁷ / ₈ X 2 ¹ / ₂ X 3 ¹ / ₂ H	2 ¹ / ₂ X 2
TP-258	LOW LEVEL	YES	500/600 250/300 125/150 62.5/75	1-6 2-5 1-6 2-5	3-4 3-4 1-4, 3-6 2-4, 3-5	500/600 250/300 125/150 62.5/75	7-12 8-11 7-12 8-11	9-10 9-10 7-10, 9-12 8-10, 9-11	20 - 20,000	1 DB	+ 15 DB 0.19 WATTS	60 DB	2 ⁷ / ₈ X 2 ¹ / ₂ X 3 ¹ / ₂ H	2 ¹ / ₂ X 2
TP-261	MEDIUM LEVEL	NO	500	1-2	—	1.0 0.5 0.25	3-7 4-7 3-7	5-6 5-6 3-6, 5-7	60 - 8,000	1 DB	32 DB 10 WATTS	NONE	2 ¹ / ₂ X 2 ⁷ / ₈ X 3 ¹ / ₂ H	2 X 2 ¹ / ₂

NOTE: 1. TJ-403A AUTO-TRANSFORMERS
ARE RECOMMENDED FOR USE AS FOLLOWS -
VOICE OF THE THEATRE SPEAKER SYSTEMS WITH SIMPLEX C60
SOUND SYSTEMS OR EQUIVALENT.

ISSUE	APPROV	DATE	CHANGE	DR BY	APPROV
1		7/21/54		EMC	EMC
2		8-1-54	OVERALL WAS OUTSIDE		
2 A		8-1-54	REVISED TO INCLUDE CURRENT ITEMS		
2 B		9-30-54	TP-258 ADDED. NOTE CORRECTED.		
2 C		9-30-54	TP-261 ADDED.		

ALTEC LANSING POLE TRANSFORMERS

TYPE	FREQUENCY	PRIMARY TERMINALS	VOLTS	SECONDARY TERMINALS	VOLTS	AMPS.	ELECTROSTATIC SHIELD	OVERALL DIMENSIONS AS MOUNTED (INCHES)	MOUNTING DIMENSIONS (INCHES)
TJ-604 B	50-60	1-2 1-3 1-4	105 117 130	5-6-7 8-9-10 11-12	350-0-350 6.3 CT. 5.0	0.125 DC 5.0 3.0	YES	4 x 4 $\frac{5}{8}$ x 5 $\frac{1}{4}$ H	3 $\frac{1}{2}$ x 4
TJ-618 D	50-60	1-2 1-3 1-4	105 117 130	10-12-14 11-12-13 5-6-7 8-9	605-0-605 565-0-565 6.3 CT. 5.0	0.150 DC 0.150 DC 3.5 3.0	NO	4 x 4 $\frac{5}{8}$ x 5 $\frac{1}{4}$ H	3 $\frac{1}{2}$ x 4
TJ-619 C	50-60	1-2 1-3 1-4	105 117 130	5-6-7 8-9-10 11-12 13-14 15-16	545-0-545 6.3 CT. 5.0 6.3 5.0	0.200 DC 3.0 3.0 3.0 0.7	NO	4 x 4 $\frac{5}{8}$ x 5 $\frac{1}{4}$ H	3 $\frac{1}{2}$ x 4
TJB-702 (WE-A 359B)	50-60	1-2 1-3	110 120	4-5 7-8-9 6-6-9	5.0 70-0-70 78-0-78	5.0 1.4 1.4	NO	5 $\frac{1}{2}$ x 4 $\frac{13}{16}$ x 4 $\frac{7}{16}$ H	5 x 2 $\frac{3}{4}$
TL-608	50-60	BLK-BLK	117	RD-RD, TR-RD, GR. SLVG.-GR. GR. SLVG. YEL. SLVG.-YEL. SLVG.	350-0-350 6.3 CT. 5.0	0.125 DC 2.4 3.0	YES	3 $\frac{1}{2}$ x 3 $\frac{5}{8}$ x 4 $\frac{1}{8}$ H	2 $\frac{7}{8}$ x 2 $\frac{7}{8}$
TL-706	60	1-2	115	3-4 5-6 5-6	13.0 18.0 17.0	5.0 5.0 5.0	NO	3 $\frac{1}{2}$ x 3 $\frac{5}{8}$ x 4 $\frac{1}{8}$ H	2 $\frac{7}{8}$ x 2 $\frac{7}{8}$
TM-602 (WE-A 303B)	50-60	1-2	110	3-3T-4	430-0-430	0.063 DC	NO	3 $\frac{13}{16}$ x 3 $\frac{3}{8}$ x 3 $\frac{1}{2}$ H	2 $\frac{13}{16}$ x 2 $\frac{7}{8}$
TMJ-551 (WE-352 Y)	50-60	1-2 1-3 1-3A	105 117 130	4-5-6 7-8-9 10-11	10.0 CT 10.0 CT 2.5	3.0 3.0 10.0	NO	5 $\frac{1}{2}$ x 3 $\frac{7}{8}$ x 5 H	5 x 2 $\frac{3}{4}$
TMJ-613	60	1-2	115	3-4-5 6-7-8 9-10-11 12-13-14	440-0-440 6.3 CT 5.0 CT 6.3 CT	0.125 DC 3.0 3.0 2.0	NO	5 $\frac{1}{2}$ x 3 $\frac{3}{8}$ x 5 H	5 x 2 $\frac{3}{4}$
TMJ-701 (UTC-18244)	50-60	1-2 1-3 1-4	107 115 122.5	5-6-7 8-9-10	4.0 CT 62.5-0-62.5	12.0 2.0 DC	NO		
TML-557	60	1-2	115	3-4 5-6	6.3 6.3	6.0 1.2	YES	4 $\frac{7}{8}$ x 3 $\frac{3}{4}$ x 4 $\frac{1}{2}$ H	3 $\frac{5}{8}$ x 3 $\frac{1}{8}$
TML-558	60	1-2	115	3-4-5 6-7-8	6.3 CT 6.3 CT	4.2 2.7	NO	4 $\frac{7}{8}$ x 3 $\frac{3}{4}$ x 4 $\frac{1}{2}$ H	3 $\frac{5}{8}$ x 3 $\frac{1}{8}$
TMP-550	60	1-2	115	3-4-5	6.3 CT	4.0	NO	2 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 3 $\frac{1}{2}$ H	2 x 2 $\frac{1}{2}$
TMP-551	60	1-2	115	3-4-5 6-7-8	6.3 CT 6.3 CT	3.3 0.6	NO	2 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 3 $\frac{1}{2}$ H	2 x 2 $\frac{1}{2}$
TMP-590	60	1-2	115	3-4-5 6-7-8	300 CT 300 CT	0.010 0.010	NO	2 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 3 $\frac{1}{2}$ H	2 x 2 $\frac{1}{2}$
TMP-612	60	1-2	115	3-4 5-6	700 2.5	0.002 3.0	NO	2 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 3 $\frac{1}{2}$ H	2 x 2 $\frac{1}{2}$
TMS-578 C (WE-D 98835)	50-60	1-2 1-3 1-4	107 117 130	5-7-9 6-7-8	1725-0-1725 1470-0-1470	0.160 DC 0.160 DC	NO	7 $\frac{5}{8}$ x 5 $\frac{1}{2}$ x 7 $\frac{1}{2}$ H	6 $\frac{7}{8}$ x 4
TP-701	50-60	1-2 1-3	110 120	4-5	20.0	0.5	NO	2 $\frac{7}{8}$ x 2 $\frac{1}{2}$ x 3 $\frac{1}{2}$ H	2 $\frac{1}{2}$ x 2
TR-576 A (WE-AQ 1099) (WE-AR 1054A)	50-65	1-2 1-3 1-4	107.5 115 122.5	5-6-7	960-0-960	0.173	NO	8 $\frac{1}{2}$ x 4 $\frac{3}{4}$ x 6 H	7 $\frac{3}{4}$ x 3 $\frac{1}{8}$
TMS-579 B	50-60	1-2 1-3	110 120	4-5-6	1700-0-1700	0.3	YES	5 $\frac{1}{2}$ x 7 $\frac{5}{8}$ x 7 $\frac{1}{2}$ H	6 $\frac{7}{8}$ x 4
TM-608 (WE-A 359 A)	50-60	1-2 1-3	110 120	4-5-6 7-8 9-10-11 12-13-14	5-0-5 5.0 492.5-0-492.5 2.5-0-2.5	1.2 2.0 0.130 2.4	NO	4 $\frac{5}{16}$ x 5 $\frac{1}{2}$ x 4 $\frac{1}{2}$ H	5 x 2 $\frac{3}{4}$
TL-403 AUTO-TRANS. FOR USE WITH A-255 AMPL. ON 220V AC	50-60	0-220	220	0-110	110		NO	3 $\frac{1}{2}$ x 3 $\frac{5}{8}$ x 4 $\frac{1}{8}$ H	2 $\frac{7}{8}$ x 2 $\frac{7}{8}$

ISSUE	APPROV	DATE	CHANGE	DR BY	APPROV
1		7/6/44			
2	WJ	5-22-46	OVERALL WAS 2" FURTHER		
2-A	WJ	11-1-46	NOTES E, F, G ADDED		
2-B	WJ	5-27-46	REVISED TO INCLUDE CURRENT ITEMS		
2-C	WJ	5-28-46	TMS-579B WAS TMS-579 A		
2-D	WJ	5-29-46	TL-403 ADDED		

ALTEC LANSING CORPORATION
HOLLYWOOD, CALIFORNIAPOWER
TRANSFORMERS
3757

50.48

ALTEC SERVICE CORPORATION

CHOKE COILS, GENERAL

ALTEC LANSING CHOKE COILS

TYPE	APPLICATION	INDUCTANCE			D.C. RESISTANCE OHMS	OVERALL DIMENSIONS AS MOUNTED (INCHES)	MOUNTING DIMENSIONS (INCHES)	
		HENRIES	CONN. TO, STRAP					D.C. M.A.
TA-305 S	10V 60 CYCLE AC	1 2 3 4 5	1-2 1-3 1-4 1-5 1-6	0 0 0 0 0	800 TOTAL	1 ³ / ₄ X 1 ⁵ / ₈ DIA.	1 ¹ / ₂	
TA-325	10V 60 CYCLE AC	4		0	720	1 ³ / ₄ X 1 ⁵ / ₈ DIA.	1	
TBB-301	PLATE FEEDER WITH TP 202 & TP 204 TRANS.	100 25	1-4 1-4	2-3 1-3, 2-4	5 10	4600 1150	2 ¹ / ₄ X 2 ³ / ₈ X 2 ⁷ / ₈ H	1 ⁷ / ₁₆ X 1 ⁷ / ₁₆
TBB-314	FILTER	35+		40	500	2 ¹ / ₄ X 2 ³ / ₈ X 2 ⁷ / ₈ H	1 ⁷ / ₁₆ X 1 ⁷ / ₁₆	
TL-502 A	FILTER	3.5		400	55	3 ¹ / ₂ X 3 ⁵ / ₈ X 4 ¹ / ₈ H	2 ⁷ / ₈ X 2 ⁷ / ₈	
TL-517 A	FILTER	12		200	126	3 ¹ / ₂ X 3 ⁵ / ₈ X 4 ¹ / ₈ H	2 ⁷ / ₈ X 2 ⁷ / ₈	
TL-518	FILTER	0.02		5000	0.32	3 ¹ / ₂ X 3 ⁵ / ₈ X 4 ¹ / ₈ H	2 ⁷ / ₈ X 2 ⁷ / ₈	
TM-504 (WE-179A)	FILTER	250 200 175		5 10 15	4317	3 X 3 X 3 ⁵ / ₈ H	2 ³ / ₈ X 2 ³ / ₈	
TM-507	FILTER	8 18		400 100	60	4 ⁹ / ₁₆ X 7 ³ / ₈ X 6 H	3 X 7 ¹ / ₄	
TMJ-507 (WE-240 B)	FILTER	25		160	250	4 ⁹ / ₃₂ X 5 ¹ / ₂ X 4 ⁷ / ₈ H	5 X 2 ³ / ₄	
TP-506 B	FILTER	9		150	170	2 ⁷ / ₈ X 2 ¹ / ₂ X 3 ¹ / ₂ H	2 ¹ / ₂ X 2	
TP-507	FILTER	3.0		120	60	2 ⁷ / ₈ X 2 ¹ / ₂ X 3 ¹ / ₂ H	2 ¹ / ₂ X 2	
TLB-506 A (WE-197A)	FILTER	15		150	208	5 ⁹ / ₁₆ X 5 ³ / ₈ X 4 ³ / ₈ H	3 ¹ / ₁₆ X 2 ⁹ / ₁₆	

ISSUE	APPROV'D	DATE	CHANGE	DR. BY	APPROV'D
1		7/1/45			
2	SWP	5-15-45	"DOUBLE" JET - 35-100		
2A			TL 517 ADDED & TL 502-A		
2B	DTA	4-1-46	REVISED TO INCLUDE CURRENT ITEMS.		
2C	DTA	5-28-46	TP-507 ADDED		
2D	DTA	7-2-46	TLB-506 ADDED		
				ALTEC LANSING CORPORATION HOLLYWOOD, CALIFORNIA	
				CHOKES	
				3755	



* Indicates Additions and Changes.

Replaces Transformers - Power, Section
 of E.B. "Transformers - General", File 4.48

TRANSFORMER	WHERE USED	* FREQ.	* PRIMARY		* SECONDARY			* REMARKS
			WINDINGS	VOLTS	WINDINGS	VOLTS	AMPS.	
90-B Repeating Coil	Filament & Plate 25-C & 51-A Amplifiers	60	1-2	105-115	3-4, 5-6 7-8 9-10	5.0 5.0 390.0	1.6 1.6 0.030	4, 5 are Center Taps for Winding 3-6, 8 & 9 are Strapped
303-A Transformer	Filament & Plate 34-A & 34-B Amplifiers	60	1-2	110	3-4 5-6 7-8 8-9	1.0 4.5 4.5 385.0	0.25 1.6 1.6 0.030	"T" is Common Center Tap for Windings, 3-4 & 5-6
303-B Transformer	Plate, 42-A, 46-A, B, C, D, E & F Amplifiers	60	1-2	110	3-3T 3T-4	430 430	0.063 0.063	
303-C Transformer	Filament, 42-A, 46-A, B, C, D, E & F Amplifiers	60	1-2	110	3-3T-4 5-5T-6	4.5 4.5	3.2 3.2	3T & 5T are Center Taps
303-D Transformer	Plate, 706-A Control Cabinet	720	1-2A-2B	90	3-4 5-5T-6			Supplies Plate Potential for 2, 205-D Tubes in Full Wave Rect. 1, 205-D Tube in Half Wave Rect. "5T" is Center Tap for 5-6
303-F Transformer	Filament, TA-7114 Panel	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-7 8-10	4.5 4.5	3.2 3.2	6 & 9 are Center Taps for Windings, 5-7 & 8-10
307-A Transformer	Plate, 43-A Amplifier	60	1-2	110	3-3T 3T-4	760 760	0.13 0.13	
307-B Transformer	Filament, 43-A & B-43-A Amplifiers	60	1-2	110	3-3T-4 5-5T-6	10.0 10.0	6.0 6.0	3T & 5T are Center Taps
308-A Transformer	707-A Control Cabinet	60	1-2 3-4	110 110	5-6 5-6	5.0 10.0	16.0 16.0	Line Voltage Regulator
310-A Transformer	Filament & Plate, 708-A Control Cabinet	60	1-2 1-3 1-4	105.0 110.0 115.0	5-7 6-7 8-9 10-11 12-13	450 450 300 4.65 4.65	0.080 0.080 0.043 3.2 3.2	Half Wave Rectifier
311-A Transformer	Projection Lamp, 202-B & TA-4050 -53 Reprodncer Sets	-	-	-	-	-	-	Replaced by 311-B Trans- former
311-B Transformer	Projection Lamp, 202-B & TA-4050 -53 Reprodncer Sets	60	1-2	100-125	3-4	30	30	8 Taps on Primary to Adjust for Line Voltage
316-A Transformer	Plate, 57-A, 59-A & 59-B Amplifiers	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-6 7-8	655 655	0.130 0.130	Full Wave Rectifier
*316-B Transformer	5-A Rectifier	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-6-7 8-9-10	5.0 720	2.0 0.125	6 & 9 are Center Taps. Full Wave Rectifier.
317-A Transformer	Filament, 57-A Amplifiers	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-6 7-9 10-12 13-15	2.52 2.2 5.0 5.0	6.0 3.0 2.0 2.0	8, 11 & 14 are Center Taps for Windings, 7-9, 10-12 & 13-15



* Indicates Additions & Changes *								
TRANSFORMER	WHERE USED	FREQ.	PRIMARY		SECONDARY			REMARKS
			WINDINGS	VOLTS	WINDINGS	VOLTS	AMPS.	
317-C Transformer	Filament, 59-A & 59-B Amplifiers	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-6 7-8-9 10-11-12 13-14-15	2.52 10.0 5.0 5.0	6.0 0.70 2.0 2.0	8, 11 & 14 are Center Taps for Windings, 7-9, 10-12 & 13-15
319-A Transformer	Filament, 10-A Radio Receiver	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-6-7	2.13	8.0	6 is Center Tap, for Winding 5-7
321-A Transformer	Filament, 63-A Amplifier	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-6-7	10.0	0.70	6 is Center Tap, for Winding 5-7
322-A Transformer	10 Volt Supply, D-94852 & D-94852-B & D Control Unit	50-60	1-2	100	3-4	11.5	0.70	
325-A Transformer	Filament, 5-A Current Supply Set	50-60	1-2 1-3 1-4	107.5 115.0 122.5	5-7 8-10	2.5 2.5	16.0 16.0	6 & 9 are Center Taps
326-A Transformer	Plate, 5-A Current Supply Set	50-60	10)-3 9)-2 8)-1 7) 6) 5) 4)	107.5 115.0 122.5	11-12-13 14-15-16	40-64 40-64	3.0 3.0	12 & 15 are Center Taps. Taps 10, 9, 8, 7, 6, 5 & 4 are used to adjust the secondary voltage.
327-A Transformer	Filament & Plate, D-94531 & D-95036 type Amplifiers except D-95036-E	50-65	1-2 1-3 1-4	107.5 115.0 122.5	5-7 8-10 11-13 14-16	5.0 10.0 5.0 834.0	2.5 0.7 2.0 0.108	6, 9, 12 & 15 are Center Taps for Windings, 5-7, 8-10, 11-13 & 14-16
328-A Transformer	Projector Lamp, D-94644 Type, Reproducer Set	60	4-7 3-7 2-7 1-7	100.0 107.5 115.0 122.5	5-6	20.0	12.5	5-6 is part of Winding, 1-7
*332-B Transformer	Filament & Plate, 86-A type Amplifiers	60	1-2 1-3	110 120	4-6 7-9 10-12 13-14	5.0 10.0 1120.0 5.0	2.4 1.92 0.106 2.0	Terminals 5, 8 & 11 are Center Taps for Windings, 4-6, 7-9 & 10-12
*352-A Transformer	Filament & Plate, 91-A Amplifier	60-63	1-2 1-3	110 120	4-6 7-8 9-11 12-14	10.0 5.0 1000.0 5.0	0.64 2.0 0.130 1.2	5, 10 & 13 are Center Taps for Windings 4-6, 9-11 & 12-14
*352-B Transformer	12-A Rectifier	60-63	1-2 1-3	110 120	4-5 6-8	5.0 130.0	6.0 1.4	7 is Center Tap for Winding 6-8
*357-A Transformer	Filament & Plate, 86-B & 86-C Amplifiers	50-60	1-2 or 1-3	110-120 110-120	4-6 7-9 10-12 13-14	5.0 10.0 1120.0 5.0	2.4 1.92 0.106 2.0	Terminals 5, 8 & 11 are Center Taps for Windings 4-6, 7-9 & 10-12
*359-A Transformer	Filament & Plate, 91-B Amplifier	50-60	1-2 or 1-3	110-120 110-120	4-6 7-8 9-11 12-14	10.0 5.0 985.0 5.0	1.2 2.0 0.130 2.4	Terminals 5, 10 & 13 are Center Taps for Windings 4-6, 9-11 & 12-14
*359-B Transformer	12-B Rectifier	50-60	1-2 or 1-3	110-120 110-120	4-6 7-9 10-12	5.0 10.0 1120.0	2.4 1.92 0.106	Terminals 5, 8 & 11 are Center Taps for Windings 4-6, 7-9 & 10-12
*ASL-2852 Transformer	Filament & Plate, TA-7321 Power Unit		1-2	115	C-17 C-18 C-19 C-20	17.0 18.0 19.0 20.0		



* Indicates Additions & Changes *								
TRANSFORMER	WHERE USED	FREQ.	PRIMARY		SECONDARY		AMPS.	REMARKS
			WINDINGS	VOLTS	WINDINGS	VOLTS		
D-87299 Transformer (Now Coded, 310-A)	Filament & Plate, 708-A Control Cabinet	60	1-2 1-3 1-4	105 110 115	5-6 6-7 8-9 10-11 11-12	450 450 300 4.65 4.65	0.08 0.08 0.043 3.2 3.2	
D-88444 Transformer	Plate, D-88446 Amplifier	25-60	1-2	110	3-3T 3T-4	430 430	0.063 0.063	This rating is for 25 Cycles
D-88445 Transformer	Filament, D-88446 Amplifier	25-60	1-2 1-3 1-4	107.5 115.0 122.5	3-4 5-6	4.5 4.5	3.2 3.2	
D-95557 Transformer	Plate, B-43-A, Amplifier	50-65	1-2 1-3 1-4	107.5 115.0 122.5	5-7	1920	1.73	6 is Center Tap of Winding 5-7
D-95660 Transformer	Filament, TA-7249 Rectifier	50-65	1-2 1-3 1-4	107.5 115.0 122.5	5-7 8-10 11-13 13-16	2.64 10.0 5.0 920.0	14.0 0.7 2.0 0.078	6 is Center Tap for Winding 5-7
D-95661 Transformer	Plate, TA-7249 Rectifier	50-65	1-2 1-3 1-4	107.5 115.0 122.5	5-7	3180	0.198	
D-95998 Transformer	Filament & Plate, D-95036-E Amplifier	50-65	1-2 1-3 1-4	107.5 115.0 122.5	5-7	5.0	2.5	6, 9, 12 & 15 are Center Taps for Windings 5-7, 8-10, 11-13 and 14-16
D-96835 Transformer	Plate, 87-A, B-87-A & 87-C Amplifiers	47-63	1-2 1-3	110 120	4-6	2940	0.121	5 is Center Tap for Winding 4-6
D-96836 Transformer	Filament, 87-A, B-87-A & 87-C Amplifiers	47-63	1-2 1-3	110 120	4-6 7-9 10-12	10.0 10.0 2.59	3.2 3.2 30.0	5, 8 & 11 are Center Taps for Windings 4-6, 7-9 and 10-12
*D-96970 Transformer	Filament & Plate, 86-C & B, & C-86-A Amplifiers	50-60	1-2 1-3	110 120	4-6 7-9 10-12 13-14	5.0 10.0 1120.0 5.0	2.4 1.92 0.106 2.0	5, 8 & 11 are Center Taps for Windings 4-6, 7-9 and 10-12
KS-2261 Transformer	Filament, 520-A, 521-A and D-94836 Panels	60	1-2 3-4	110	5-9 6-8	14.0	12.0 10.0	7 is Center Tap
KS-2264 Transformer	Plate, 520-A & D-94836 Panels	60	1-2 3-4	110 220	5-7	2200	0.7	6 is Center Tap of Winding 5-7
KS-6154 Transformer	Filament & Plate, 700-A Control Cabinet	20	4(start) 1 2 3	90 65 75 85	5-6 7-8 9-11	5.0 5.0 800.0	3.2 3.2 0.10	10 is Center Tap for Winding 9-11
KS-6155 Transformer	Filament & Plate, 701-A Control Cabinet	50-60	1-2 1-3 1-4 1-5 1-6 1-7 1-8	100 105 110 115 120 125 130	9-10 11-12 13-14 15-16 15-17 18-20	5.0 5.0 5.0 350 400 900	3.2 3.2 3.2 0.06 0.06 0.06	19 is Center Tap for Winding 18-20
*T-5797 Transformer	TA-4151 Loud- speaking Telephone	50-60	BL-BL	105-125	-	-	-	See E.B. "Loudspeaking Tele- phones, TA-4151 & TA-4153 Types", File 4.22.
*T-7186 Transformer	TA-4165 Loud- speaking Telephone	50-60	BL-BL	105-125	-	-	-	See E.B. "Loudspeaking Tele- phones, TA-4165 & TA-4166 Types", File 4.22.



* Indicates Additions & Changes *								
TRANSFORMER	WHERE USED	FREQ.	PRIMARY		SECONDARY			REMARKS
			WINDINGS	VOLTS	WINDINGS	VOLTS	AMPS.	
TA-7278 Transformer	Filament & Plate, TA-7276 Power Unit	50 to 62.5	1-2	100	Coil #1	2.25	17.0	
			1-3	105	(Fil.)			
			1-4	110	Coil #2	2.25	17.0	
			1-5	115	(Fil.)			
			1-6	120	Coil #1	33.0	6.0	
			1-7	125	(Anode)	33.0	6.0	
#51157 Transformer (Heyer Products Co.)	Filament & Plate, TA-4144 Power Unit	50 to 62.5	1-2	100				Secondary Supplies Anode and Filament of Two #189048 Tungar Bulbs
			1-3	105				
			1-4	110				
			1-5	115				
			1-6	120				
			1-7	125				
#79884 Auto-Transf. (G.E.Co.)	In 220 Volt Out- put of KS-5321 Motor Generator Set	5-140	1-2	220	3-4	110	13.6	Has Flexible Leads Approx. 6" Long
#102311 Transformer (Heyer Products Co.)	Filament & Plate, TA-4038 Power Unit	50 to 62.5	1-2	100				Secondary Supplies Anode and Filament of Two #189048 Tungar Bulbs
			1-3	105				
			1-4	110				
			1-5	115				
			1-6	120				
			1-7	125				
#211312 Transformer (Heyer Products Co.)	Filament & Plate, TA-4035 Power Unit	50 to 62.5	1-2	100				Secondary Supplies Anode and Filament of Four #189048 Tungar Bulbs
			1-3	105				
			1-4	110				
			1-5	115				
			1-6	120				
			1-7	125				
#325311 Transformer (Heyer Products Co.)	Filament & Plate, TA-4036 Power Unit	50 to 62.5	1-2	100				Secondary Supplies Anode and Filament of Two #189048 Tungar Bulbs
			1-3	105				
			1-4	110				
			1-5	115				
			1-6	120				
			1-7	125				
#330304 Transformer (Heyer Products Co.)	Filament & Plate, TA-4033 Power Unit	50 to 62.5	1-2	100				Secondary Supplies Anode and Filament of Two #189048 Tungar Bulbs
			1-3	105				
			1-4	110				
			1-5	115				
			1-6	120				
			1-7	125				
#799827 Transformer (W.E. & Mfg. Co.)	KS-7146 type Current Supply Sets	50 to 62.5	1-2	105-110	5) Aging			Secondary Feeds a Rectox Unit which has an output of 2.0 Amps. at 20.0 Volts.
			1-3	111-119	6) Steps			
			1-4	120-125	7) 2.0			
					8) Volts			
					9) Per			
					10) Step			



EQUIPMENT BULLETIN

REPLACING OUTPUT TRANSFORMER & REPEATING COIL
SECTION OF E.B. TRANSFORMERS - GENERAL, FILE 4.4g

*INDICATES ADDITIONS OR CHANGES.

TRANSFORMER		USE	IMPED. RATIO (OHMS)	* SHIELD	*AVERAGE DC RESISTANCE (See Note)			
					L.WINDING	*RES.	H.WINDING	*RES.
Output Transformer								
113-A	Output, 9-A Ampl.	8000:500	E	1-2 & 5-6	20	3-4 & 7-8	317	
113-C	Output, 10-A Ampl.	3000:500	E	1-2 & 5-6	25.2	3-4 & 7-8	228	
120-A	Output, 8-B & 17-B Amps.	6000:500	No	1-2 & 3-4	104	5-6 . . .	695	
120-F	Output, 34-A & 34-B Amps.	4000:4000	No	1-2 & 3-4	450	5-6 . . .	450	
120-G	Output, 32-A Ampl.	4000:2000	No	1-2 & 3-4	210	5-6 . . .	450	
120-H	Output, 25-C & 51-A Amps.	4000:35	No	1-2 & 3-4	4.13	5-6 . . .	565	
127-A	Output, 42-A & 46-E Amps.	8000:500:250	No	1-2-3-4 .	58.5	5-6 & 7-8	925	
127-C	Output, 49-A, 49-B, 49-C, 50-A, D-85943, D-86729, & TA-7310 type Amps. and 207-A Panel	23000:500	No	1-2 & 5-6	67	3-4 & 7-8	3220	
127-D	Output, 46-A,B,C,D,F type & D-88446 Amps.	7200:8	No	1-2 . . .	0.675	3-4 & 5-6	860	
128-A	Output, 43-A Ampl.	6500:500	No	1-2 & 5-6	18.2	3-4 & 7-8	200	
130-A	Output, 47-A, 47-B, 53-A & 53-B Amps.	25000:200	No	1-2 & 3-4	37.2	5-6 . . .	2440	
131-A	Output, 8-C Ampl.	6000:500	No	1-2 & 3-4	105	5-6 . . .	695	
132-A	Output, 48-A & 54-A Amps.	25000:200	No	1-2 & 3-4	37	5-6 . . .	2440	
132-C	Output, 62-A, TA-7246 & TA-7261 Amps.	23000:500	No	1-2 & 5-6	56	3-4 & 7-8	2740	
134-C	Output, 57-A Ampl.	6800:500	No	1-2 & 5-6	23	3-4 & 7-8	122	
134-D	Output, 59-A & 59-B Amps.	6800:500:8	No	1-2-3 . .	21	4-5 & 6-7	177	
139-A	Output, 10-A Radio Receiver	30000:140	No	1-2 . . .	12	3-4 . . .	3950	
144-A	Output, D-94531 & D-95036 type Amps., except D-95036-E Amps.	6800:8	No	1-2 . . .	0.37	3-5 . . .	140	
147-A	Output, 63-A Ampl.	25000:200	No	1-2 & 3-4	38	5-6 . . .	2430	
150-A	Output, 80-A & 80-B type Amps.	25000:200	No	1-2 & 3-4	38	5-6 . . .	2500	
*159-B	Output, 86-C & B-86-A Amps.	(4130:12 (4130:6 (4130:12:6	No	1-2 . . . 1-IT . . . 1-JT-2 . .	.515 .349 0.49	3-4 & 5-6 3-4 & 5-6 3-4 & 5-6	167 120	
166-A	Output, 86-A type Ampl.	4130:12:6	No	1-JT-2 . .	0.49	3-4 & 5-6	120	
170-A	Output, FEC 209-A & B Repro. Sets and TA-7391 Coupling Unit	357000:25 (3000:9 (1900:3.5 (1190	No	1-2 . . . 1-3 . . .	3.4 .825	3-4 . . . 4-5-6-7 .	4400 143	
171-A	Output, 91-A Ampl.							
D-95659	Output, B-10-A, C-10-A, D-10-A, B-43-A, C-43-A, 87-A & TA-7248 & TA-7248-A Amps.	8000:16	No	(5-6 & 7-8 (& 9-10 & (11-12	0.44	1-2 & 3-4	77.5	
D-95995	Output, D-95036-E Ampl.	6800:16	No	1-2 & 3-4	0.85	5-7 . . .	178	
D-96736	Output, D-46-A, D-46-B, H-46-C & F-46-F Amps.	18000:5	No	1-JT-2 . .	0.23	3-4 & 5-6	590	
Repeating Coil								
80-A	Radio Broadcasting Systems	200:500	No	1-2 & 5-6	13.8	3-4 & 7-8	42.5	
80-B	D-88449 type Panels & Radio Broadcasting Systems	200:200	No	1-2 & 5-6	18.3	3-4 & 7-8	22.6	
105-A	201 type Panels	200:50	No	1-2 & 5-6	10	3-4 & 7-8	24	
111-C	Output, TA-7294 Control Cabinet	600:600	E	1-2-5-6 .	35	3-4-7-8 .	35	
118-A	Output, 711-A Control Cabinet	200:200	No	1-2 & 5-6	12.6	3-4 & 7-8	12.6	
D-87744	Output, 711-A type Control Cabinet (now coded 118-A)	200:200	No	1-2 & 5-6	12.6	3-4 & 7-8	12.6	
D-93957	Ant. Coupling, 10-A Radio Receiver (245-B & (now 246-A Panels) (coded 137-A)	100:1000	E	1-2 & 5-6	0.4	3-4 & 7-8	4	
D-94288	"Vertical" Input, D-94255 type Control Cabinet & TA-7253 type Equalizer	5:500	No	1-2 . . .	0.44	3-4 . . .	41	
D-96245	TA-7284 Control Cabinet	16:500	No	1-2 . . .	0.33	3-4 . . .	12.5	
*D-97823	Music Reproducing Systems (now coded 141-A)	5:500	M	1-2 . . .	0.30	3-10 . .	2800	

E - Electrostatic Shield; M - Magnetic Shield.

Note: The "Average" D.C. Resistances are for, (a) the Low windings in series, (b) the High windings in series. These values are for checking purposes only, because of manufacturing limits, to permit the adjustment of turns for inductance unbalance, etc. The "Maximum" or "Minimum" D.C. Resistance may vary 12% from the "Average".



EQUIPMENT BULLETIN

TRANSFORMERS - INPUT

REPLACING INPUT-TRANSFORMER SECTION OF
E.B. TRANSFORMERS - GENERAL, FILE 4.48

INPUT TRANSFORMERS

* INDICATES ADDITIONS OR CHANGES.

TRANSFORMERS		USE	IMPED. RATIO (OHMS)	* SHIELD	*AVERAGE DC RESISTANCE (See Note)			
					L. WINDING	*RES.	H. WINDING	*RES.
Auto-Transformers								
7-A	TA-7257 Network, 200-A, 209-A, ASL-2828 & D-85125 Panels	500:16	No	2-13 . . .	-	1-13 . . .	10.4	
*TA-4183	Music Reproducing & P.A. Systems	50:8.0:Var.	No	L-C or H-C	-	1-C or 10-C	-	
Induction Coil								
#13	521-A Subscriber Set		No	P-P . . .	1.3	S-S	16.9	
#66	D-85125 Panel		No	1-2 . . .	5.6	3-4	79.5	
Input Transformers								
208-AD	Input, 518-B Panel	500:14000	No	1-2 . . .	54	(3-4-5-6-7- (8-9-10-11- (12-13-14 .	3400	
208-E	700-A Control Cabinet	600:80000	E	1-2 & 5-6	5.8	3-4 & 7-8 .	335	
208-B	Input, 9-A Ampl.	4000:30000	No	1-2 & 5-6	895	3-4 & 7-8 .	5050	
208-W	Input, 10-A Ampl.	4000:8000	No	1-2 & 5-6	305	3-4 & 7-8 .	310	
226-B	Interstage, 8-B & A-8-B Ampls.	6000:165000	No	1-2 . . .	19800	1-4	10500	
226-G	Input, 32-A Ampl.	20000:133000	No	1-2 . . .	2190	3-4	6950	
226-H	Input, 34-A & 34-B Ampls.	200:100000	No	1-2-3 . . .	58	4-5-6-7-8 .	6300	
227-A	Interstage, 34-A & 34-B Ampls.	20000:133000	No	1-2 & 3-4	2190	5-6	5650	
227-C	Input, 25-C & 51-A Ampls.	35:140000	No	1-2 . . .	3.8	3-4	6180	
233-B	Input, 8-B & A-8-B Ampls.	200:25000	No	1-2 & 3-4	37.4	6-7-8 . . .	2440	
233-D	Interstage, 32-A, D-85943, D-85943-A & E, D-86729, D-86729-A & E, and TA-7310 Ampls.	20000:50000	No	1-2 & 5-6	3020	3-4 & 7-8 .	4740	
233-E	Input, 32-A, 41-A, A-41-A, 41-B, E-41-C Ampls. (See D-88822 Input Transf.)	200:25000	No	1-2 & 5-6	52.2	3-4 & 7-8 .	3920	
233-F	Input, 203-B Panel	500:14000	No	1-2 . . .	143	3-14	3890	
233-G	Input, 42-A Ampl.	16000:64000	No	1-2 & 5-6	2600	3-4 & 7-8 .	5200	
233-H	Interstage, 46-A, 46-B type & D-88446 Ampls.	20000:180000	No	1-2 . . .	1740	3-4 & 5-6 .	5210	
233-J	Input, 46-A, 46-B type & D-88446 Ampls. (Replace with 247-A and Det. 1-A, ASP-930 Mounting Plate)	250:250000	No	1-2 & 3-4	70.5	5-6	7600	
241-A	Input, A-10-A, C-10-A & 43-A type Ampls.	275:3370	No	1-2 & 5-6	62	3-4 & 7-8 .	895	
242-B	706-A & 708-A Control Cabinets	600:80000	No	1-2 & 5-6	16.5	3-4 & 7-8 .	1680	
246-A	Interstage, 49-A, 49-B & 49-C type, D-85943-B, C, & D, D-86729-B, C & D, D-94531-A & D-95036-A & B Ampls.	13000:117000	No	1-2 & 5-6	1690	3-4 & 7-8 .	6000	
247-A	Input, 46-C, D, E & F type, D-46-B, A-80-B, D-90500, D-94013, TA-7261 & TA-7246 Ampls.	250:159000	No	1-2 & 3-4	75	5-6	5740	
247-B	Interstage, 46-C, D, E & F type & D-46-B Ampls.	16000:100000	No	1-2 & 5-6	2050	3-4 & 7-8 .	5200	
247-E	Input, 59-A Ampl.	200:135000	No	1-2 & 3-4	15.4	5-6	4850	
247-J	Input, 57-A Ampl.	250:75000	No	1-2 & 5-6	26.8	3-4 & 7-8 .	3900	
247-E	Interstage, 59-A & 59-B Ampls.	16000:75000	No	1-1T-2	1150	3-4 & 5-6 .	3400	
247-L	Interstage, 59-A & 59-B Ampls.	17000:113000	No	1-2 . . .	1350	3-4	4300	
257-A	Detector Input, 10-A Radio Receiver	1:1	No	1-2 . . .	-	3-4	-	
258-A	Input, D-94531 & D-95036 type Ampls., except D-95036-E Ampl.	200:80000	M	Rd-E1 . .	43.5	Gr-E1, Wh. .	5750	
260-A	Interstage, D-94531 & D-95036 type Ampls., except D-95036-E Ampl.	18000:84000	No	1-2 . . .	2260	3-5	5200	
261-A	Input, 59-A, 59-B & 63-A Ampls. (Mid tap for 387 Transmitter)	200:135000	M	1-2-3-4 .	15.2	5-6	4850	
261-B	Input, 86-A type Ampls.	200:110000	E&M	1-2 & 3-4	15.7	5-6	4440	
264-A	Input, 80-A Ampl.	25:150000	M	1-2 & 3-4	0.96	5-6	3990	
264-B	Input, 80-B & D-95036-E & F Ampls.	200:135000	M	1-2 & 3-4	15.4	5-6	4760	
264-C	Interstage, 86-A type Ampls.	18000:100000	No	1-2 . . .	2010	3-4 & 5-6 .	4950	
*285-A	Input, 91-A Ampl.	30:200000	E&M	1-2 . . .	5	3-4	4400	
D-88822	Spec. Input, 41-A Ampl. for 6 db Increased Gain	200:100000	No	1-2 & 5-6	8.6	3-4 & 7-8 .	3900	
D-95072	Input, 41 & 53 type Ampls. using 618 Transmitter	30:150000	No	1-2 & 3-4	2.26	5-6	3900	
D-95658	Input, B-10-A, 87-A & TA-7248 & TA-7248-A Ampls.	250:30900	No	1-2 & 5-6	66	3-4 & 7-8 .	4700	
D-95997	Interstage, D-95036-E Ampl.	17000:113000	No	1-2 . . .	1370	3-4	3990	

E - Electrostatic Shield; M - Magnetic Shield.

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