

SECTION VI
PARTS LIST

AM Broadcast Transmitter 20V-3

ITEM	DESCRIPTION	COLLINS PART NUMBER
	AM BROADCAST TRANSMITTER 20V-3	522-2480-00
B101	FAN, CENTRIFUGAL: direct connected; counterclockwise rotation; pole motor, 230 vac input, 60 cps single phase, 3200 rpm. ILG ventilation part no. BM8467	009-1562-00
B102	FAN, CENTRIFUGAL: direct connected; clockwise rotation; pole motor, 230 vac input, 60 cps, single phase, 3200 rpm. ILG ventilation part no. BM8468	009-1559-00
B103	MOTOR, AC: 230 v, 50-60 cps, 1550 rpm, counterclockwise rotation, totally enclosed GE part no. 5KSP51CL17	230-0164-00
C101	CAPACITOR, VARIABLE, AIR: single section, 7.5 uuf min to 102.7 uuf max, 35 plates	922-0028-00
C102	CAPACITOR, VARIABLE, AIR: same as C101	922-0028-00
C103	CAPACITOR, FIXED, MICA: 1000 uuf $\pm 10\%$, 500 vdcw	935-4053-00
C104	CAPACITOR, FIXED, CERAMIC: 10,000 uuf $\pm 20\%$, 500 vdcw	913-1188-00
C105	CAPACITOR, FIXED, MICA: 150 uuf $\pm 5\%$, 500 vdcw; Electro Motive part no. DM15F151J01	912-2828-00
C106	CAPACITOR, FIXED, MICA: 5600 uuf $\pm 2\%$, 500 vdcw; Electro Motive part no. DM30F562J	912-2716-00
C107	CAPACITOR, FIXED, CERAMIC: same as C104	913-1188-00
C108	CAPACITOR, FIXED, CERAMIC: 0.01 uf $-0\% +100\%$ at room temperature; 1600 vdcw; Centralab part no. DD16-103	913-3522-00
C109	CAPACITOR, FIXED, CERAMIC: same as C104	913-1188-00
C110	CAPACITOR, FIXED, CERAMIC: same as C104	913-1188-00
C111	CAPACITOR, FIXED, MICA: 100 uuf $\pm 10\%$, 500 vdcw	912-0495-00
C112	CAPACITOR, VARIABLE, AIR: double midget, 10 uuf min, 100 uuf max; 1000 vdc voltage breakdown; 34 plates; Oak Mfg. Co. part no. 663-DAT	922-4800-00
C113	CAPACITOR, VARIABLE, AIR: same as C112	922-4800-00
C114	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C115	CAPACITOR, FIXED, MICA: same as C106	912-2716-00
C116	CAPACITOR, FIXED, CERAMIC: same as C104	913-1188-00
C117	CAPACITOR, FIXED, MICA: 20 uuf $\pm 5\%$, 500 vdcw; Electro Motive part no. DM15F200J01	912-2765-00
C118	CAPACITOR, FIXED, CERAMIC: same as C104	913-1188-00
C119	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C120	CAPACITOR, FIXED, MICA: same as C111	912-0495-00
C121	CAPACITOR, VARIABLE, AIR: same as C112	922-4800-00
C122	CAPACITOR, VARIABLE, AIR: same as C112	922-4800-00
C123	CAPACITOR, FIXED, MICA: 1000 uuf $\pm 20\%$, 3500 vdcw	914-0019-00
C124	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C125	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C126	CAPACITOR, VACUUM, GLASS: 15 uuf $\pm 10\%$, 17,000 v peak voltage	919-0063-00
C127	CAPACITOR, FIXED, MICA: same as C123	914-0019-00
C128	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C129	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00

ITEM	DESCRIPTION	COLLINS PART NUMBER
C130	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C131	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C132	CAPACITOR, FIXED, CERAMIC: 67 uuf $\pm 5\%$, 5000 vdcw; Centralab part no. 850-022	913-0090-00
C133	CAPACITOR, FIXED, CERAMIC: same as C132	913-0090-00
C134	CAPACITOR, FIXED, CERAMIC: same as C132	913-0090-00
C135	CAPACITOR, FIXED, CERAMIC: same as C132	913-0090-00
C136	CAPACITOR, FIXED, MICA: 10,000 uuf $\pm 20\%$, 1200 vdcw	936-1127-00
C137	CAPACITOR, FIXED, CERAMIC: 750 uuf $-0\% +100\%$ at room temperature; 7500 vdcw	913-1789-00
C138	CAPACITOR, FIXED, CERAMIC: 500 uuf $+50\% -20\%$, 20,000 vdcw	913-1101-00
C139	CAPACITOR, FIXED, CERAMIC: same as C138	913-1101-00
C140	CAPACITOR, FIXED, MICA: 5100 uuf $\pm 5\%$, 500 vdcw	935-2105-00
C141	CAPACITOR, FIXED, CERAMIC: 200 uuf $\pm 10\%$, 7500 vdcw	913-1441-00
C142	CAPACITOR, VARIABLE, AIR: single section, 58 uuf min, 185 uuf max, 33 plates; E. F. Johnson Co. part no. 152-27-2	920-0075-00
C143	CAPACITOR, VARIABLE, AIR: 60 uuf min, 820 uuf max, 67 plates; E. F. Johnson Co. part no. 850D35	920-0114-00
C144	CAPACITOR, FIXED, MICA: transmitting; 0.002 uf $\pm 5\%$, 6000 v test voltage; Cornell-Dubilier part no. PL-217-6L	906-2208-10
C144A	CAPACITOR, FIXED, MICA: 820 uuf $\pm 5\%$, 5000 vdcw	938-2062-00
C145	CAPACITOR, FIXED, MICA: transmitting; 0.0004 uf $\pm 5\%$, 5000 vdcw	906-3401-10
C145A	CAPACITOR, FIXED, MICA: same as C144A	938-2062-00
C146	CAPACITOR, FIXED, MICA: same as C144A	938-2062-00
C146A	CAPACITOR, FIXED, MICA: same as C145	906-3401-10
C147	CAPACITOR, FIXED, MICA: same as C144A	938-2062-00
C147A	CAPACITOR, FIXED, MICA: same as C145	906-3401-10
C148	CAPACITOR, FIXED, MICA: same as C140	935-2105-00
C149	CAPACITOR, FIXED, MICA: 10,000 uuf $\pm 10\%$, 2500 vdcw	937-2025-00
C150	CAPACITOR, FIXED, MICA: same as C149	937-2025-00
C151	CAPACITOR, FIXED, MICA: 22,000 uuf $\pm 20\%$, 600 vdcw	936-1149-00
C152	CAPACITOR, FIXED, MICA: same as C151	936-1149-00
C153	CAPACITOR, FIXED, MICA: same as C140	935-2105-00
C154	CAPACITOR, FIXED, MICA: 3300 uuf $\pm 20\%$, 1200 vdcw	936-0283-00
C155	CAPACITOR, FIXED, MICA: same as C154	936-0283-00
C156	CAPACITOR, FIXED, PAPER: 0.1 uf $\pm 20\%$, 600 vdcw; Sprague Electric Co. part no. 160P10406	931-5511-00
C157	CAPACITOR, FIXED, PAPER: 2 uf $\pm 10\%$, 600 vdcw	930-0046-00
C158	CAPACITOR, FIXED, PAPER: same as C156	931-5511-00
C159	CAPACITOR, FIXED, PAPER: same as C156	931-5511-00
C160	CAPACITOR, FIXED, PAPER: 0.22 uf $\pm 20\%$, 600 vdcw; Sprague Electric Co. part no. 160P22406	931-6846-00
C161	CAPACITOR, FIXED, PAPER: same as C160	931-6846-00
C162	CAPACITOR, FIXED, MICA: 51 uuf $\pm 20\%$, 2500 vdcw	936-0162-00
C163	CAPACITOR, FIXED, MICA: same as C162	936-0162-00
C164	CAPACITOR, FIXED, MICA: same as C162	936-0162-00
C165	CAPACITOR, FIXED, MICA: same as C162	936-0162-00
C166	CAPACITOR, FIXED, MICA: same as C162	936-0162-00
C167	CAPACITOR, FIXED, MICA: same as C162	936-0162-00
C168	CAPACITOR, FIXED, MICA: same as C162	936-0162-00
C169	CAPACITOR, FIXED, MICA: same as C162	936-0162-00

SECTION VI
Parts List

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ITEM	DESCRIPTION	COLLINS PART NUMBER
C170	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C171	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C172	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C173	CAPACITOR, FIXED, CERAMIC: same as C108	913-3522-00
C174	CAPACITOR, FIXED, PAPER: 2 uf $\pm 20\%$, 5000 vdcw; Cornell-Dubilier part no. T-40020	930-0041-00
C175	CAPACITOR, FIXED, CERAMIC: same as C104	913-1188-00
C176	CAPACITOR, FIXED, CERAMIC: same as C104	913-1188-00
C177	CAPACITOR, FIXED, PAPER: same as C157	930-0046-00
C178	CAPACITOR, FIXED, ELECTROLYTIC: 1100 uf, min 90%, max 250% capacitance, 25 vdcw	184-2000-00
C179	CAPACITOR, FIXED, ELECTROLYTIC: same as C178	184-2000-00
C180	CAPACITOR, FIXED, PAPER: 8 uf $\pm 10\%$, 600 vdcw	930-0048-00
C181	CAPACITOR, FIXED, PAPER: 0.08 uf $\pm 5\%$, 2400 vdcw; Sprague Electric Co. part no. Sample #92460	930-0467-00
C182	CAPACITOR, FIXED, PAPER: 4.0 uf $\pm 20\%$, 4000 vdcw	930-0045-00
C183	CAPACITOR, FIXED, PAPER: same as C182	930-0045-00
C184	CAPACITOR, FIXED, PAPER: 10 uf $\pm 10\%$, 1000 vdcw; Cornell-Dubilier part no. T-10100	930-0038-00
C185	CAPACITOR, FIXED, PAPER: same as C184	930-0038-00
C186	CAPACITOR, FIXED, MICA: same as C140	935-2105-00
DS101	LAMP, INCANDESCENT: pilot light bulb w/ candelabra type base, 10 w, 230-250 v, C-7A filament, S-6 bulb; General Electric part no. 10S6/10-250	262-0169-00
DS102	LAMP, INCANDESCENT: same as DS101	262-0169-00
F101	FUSE, CARTRIDGE: 1.00 amp current rating, 250 v, glass body, ferrule terminals; Bussman part no. MDL 1	264-4280-00
F102	FUSE, CARTRIDGE: same as F101	264-4280-00
F103	FUSE, CARTRIDGE: 3 amp, 125 v, 0.066 ohms, ferrule terminals, glass body	264-0009-00
F104	FUSE, CARTRIDGE: same as F101	264-4280-00
J101	CONNECTOR, RECEPTACLE, ELECTRICAL: 4 female contacts, 10 amp max; phosphor bronze contacts; Howard B. Jones part no. S-304-AB	366-2040-00
J102	CONNECTOR, RECEPTACLE, ELECTRICAL: 8 contacts, 10 amp; Howard B. Jones, Div. Cinch Mfg. Co. part no. S-308-AB	366-2080-00
J103	CONNECTOR, RECEPTACLE, ELECTRICAL: same as J102	366-2080-00
J104	CONNECTOR, RECEPTACLE, ELECTRICAL: 1 female contact; Industrial Products Co. part no. 87075	357-9183-00
J105	CONNECTOR, RECEPTACLE, ELECTRICAL: 2 wire female contacts; 10 amp; Harvey Hubbell Inc. part no. 7526	368-0124-00
K101	RELAY, THERMAL: time delay, normally open contacts; 117 v ac nom; 3 amp, 150 v dc; 3 amp, 250 v dc; Thomas A. Edison part no. B-2103	402-0211-00
K102	RELAY, ARMATURE: 3 normally open contacts, 220 coil voltage; 25 amp; 50/60 cps; RBM part no. 109078-102	402-1201-00
K103	RELAY, ARMATURE: 3 normally open contacts, 220 coil voltage; 15 amp, 50/60 cps; RBM part no. 109092-102	401-1202-00
K104	RELAY, ARMATURE: 3 normally open contacts, 2 open contacts to carry 5 amp in 220 v ac circuit; 1 normally open contact for coil holding in 220 v ac circuit	405-0608-00
K105	RELAY, ARMATURE: current overload, self-reset ac or dc enclosed current; 0.225 amp continuous; 2 normally closed contacts; General Electric part no. 12PJC11A30TF-G-25	405-0186-00
K106	RELAY, ARMATURE: same as K105	405-0186-00
K107	RELAY, ARMATURE: 3 pole, normally closed contacts, 2.0 amp at 230 v ac, inductive load, 125 v dc; 4000 ohms $\pm 10\%$	970-1727-00
L101	NOT USED	
L102	P/O T101	

ITEM	DESCRIPTION	COLLINS PART NUMBER
L103	NOT USED	
L104	P/O T102	
L105	NOT USED	
L106	COIL, RADIO FREQUENCY: 3 or 4 section; duolateral wound; 1.0 mh inductance, 300 ma max current; 10 ohm dc resistance; National Co., Inc. part no. R-300-S	240-5800-00
L107	COIL, RADIO FREQUENCY: isolantite coil form, 1/8 in. wall, 5-1/2 in. ; quadruple bank #24 DSC wire; 7 in. lg overall	571-0460-10
*L108	COIL, RADIO FREQUENCY: 81 uh at 2.5 mc approx inductance; 42 turns 1/4 in. by 0.054 copper strip; E. F. Johnson Co. part no. 200-118-2	980-0040-00
*L108	COIL, RADIO FREQUENCY: 150 uh at 790 kc; 56 turns 1/4 in. by 0.054 copper strip; E. F. Johnson Co. part no. 200-117-2	980-0041-00
L109	TRANSFORMER, RADIO FREQUENCY: isolantite coil form; 30 turns #10 AWG wire right-hand wound; 2-1/2 in. dia by 6 in. lg overall; 9 taps	504-9624-003
L110	COIL ASSEMBLY: 60 uh inductance; isolantite coil form; 56 turns right-hand wound; both ends open; 1-1/2 in. dia by 3-1/4 in. lg overall & brass 56 turn coil rider, 3-1/8 in. lg overall	506-9995-003
L111	REACTOR: 50 hy 0.5 amp dc, 230 ohm max dc resistance; 60 cps; continuous duty cycle; Chicago Std. Trans. part no. 29955	678-0591-00
L112	REACTOR: 80 ma dc nom; 100 ma dc max; 375 ohm dc resistance; 2000 v rms; continuous duty cycle; Thordarson Meissner part no. T-20C53	668-0004-00
L113	REACTOR: 10 hy at 10 v rms, 60 cycles; 1 amp dc; 50 ohm max dc resistance; continuous duty cycle; Chicago Std. Trans. part no. 19069	678-0625-00
L114	REACTOR: same as L113	678-0625-00
L115	REACTOR: 6.5 hy at 10 v rms, 60 cps; 0.200 amp, 85 ohms dc resistance; 100/120 cps; continuous duty cycle; Chicago Std. Trans. part no. 30753	668-0002-00
L116	REACTOR: same as L115	668-0002-00
M101	AMMETER: thermocouple type; 0-6 scale, 60 scale divisions; 0.0074 ohm approx resistance; white dial background, black markings & pointer	451-0133-00
M102	AMMETER: permanent magnet moving coil type dc milliammeter; 0-800 milliamp meter range; 0.5 ohm meter resistance; flush panel mtg	458-0611-00
M103	AMMETER: permanent magnet moving type dc milliammeter; 0-1 milliamp; 50 ohms approx meter resistance	458-0610-00
M104	AMMETER: permanent magnet moving coil type dc milliammeter; 0-1 milliamp meter range; 50 ohms approx resistance; Assembly Products, Inc. part no. 80145	458-0612-00
M105	AMMETER: same as M102	458-0611-00
M106	VOLTMETER: moving iron vane type ac voltmeter; 0-10 v ac, 150 $\pm 20\%$ ohm meter resistance; white dial background, black markings & pointer	452-0058-00
O101	KNOB: screw-on type; chromium plated bronze body; 8-32 thd; 3/4 in. dia by 11/16 in. thk; N. B. Ives Co. part no. 54272-3/4 in.	015-0246-00
O102	KNOB: setscrew type; octagonal shape; black phenolic body w/ aluminum insert; 2.078 in. dia by 0.859 in. thk; excl skirt	544-0794-003
O103	KNOB: setscrew type; octagonal shape; black phenolic body w/ aluminum insert; incl skirt and disk; 2.078 in. dia by 0.859 in. thk knob	546-1291-003
O104	KNOB: same as O103	546-1291-003
O105	KNOB: same as O103	546-1291-003
O106	KNOB: same as O103	546-1291-003
O107	KNOB: same as O103	546-1291-003
P101	CONNECTOR, PLUG, ELECTRICAL: 4 male contacts; 10 amp max; 730 v rms max; Howard B. Jones part no. P-304-CCT	365-8040-00
P102	CONNECTOR, PLUG, ELECTRICAL: 8 male contacts; Howard B. Jones part no. P-308-CCT-W.I.	365-8080-00

*Chosen per operational requirement.

AM Broadcast Transmitter 20V-3

ITEM	DESCRIPTION	COLLINS PART NUMBER
P103	CONNECTOR, PLUG, ELECTRICAL: same as P102	365-8080-00
P104	CONNECTOR, PLUG, ELECTRICAL: 1 male contact; Automatic Metal part no. 100B 1000A	357-9292-00
P105	CONNECTOR, PLUG, ELECTRICAL: 3 wire midget, twist-lock; 10 amp, 250 v; 15 amp, 125 v	368-0013-00
R101	RESISTOR, FIXED, COMPOSITION: 0.10 megohms $\pm 10\%$, 1/2 w	745-1436-00
R102	RESISTOR, FIXED, COMPOSITION: 220 ohms $\pm 10\%$, 1/2 w	745-1324-00
R103	RESISTOR, FIXED, COMPOSITION: 10,000 ohms $\pm 10\%$, 1/2 w	745-3394-00
R104	RESISTOR, FIXED, COMPOSITION: 82,000 ohms $\pm 10\%$, 1/2 w	745-1433-00
R105	RESISTOR, FIXED, COMPOSITION: 0.12 megohms $\pm 10\%$, 2 w	745-5740-00
R106	RESISTOR, FIXED, COMPOSITION: same as R105	745-5740-00
R107	RESISTOR, FIXED, COMPOSITION: same as R101	745-1436-00
R108	RESISTOR, FIXED, COMPOSITION: 3900 ohms $\pm 10\%$, 1/2 w	745-1377-00
R109	RESISTOR, FIXED, COMPOSITION: same as R102	745-1324-00
R110	RESISTOR, FIXED, COMPOSITION: 39,000 ohms $\pm 10\%$, 1 w	745-3419-00
R111	RESISTOR, FIXED, COMPOSITION: 33,000 ohms $\pm 10\%$, 1 w	745-3415-00
R112	RESISTOR, FIXED, WIREWOUND: 25,000 ohms $\pm 5\%$, 10 w; Ohmite part no. 1-3/4-D-57-F2500	710-2918-00
R113	RESISTOR, FIXED, COMPOSITION: 15,000 ohms $\pm 10\%$, 1 w	745-3401-00
R114	RESISTOR, FIXED, COMPOSITION: 47 ohms $\pm 10\%$, 1/2 w	745-1296-00
R115	RESISTOR, FIXED, COMPOSITION: 22 ohms $\pm 10\%$, 2 w	745-5582-00
R116	RESISTOR, FIXED, COMPOSITION: 22,000 ohms $\pm 10\%$, 2 w	745-5708-00
R117	RESISTOR, VARIABLE: wirewound; 25,000 ohms $\pm 10\%$, 0.013 amp; P. R. Mallory & Co. part no. M25MPX	377-0011-00
R118	RESISTOR, FIXED, WIREWOUND: same as R112	710-2918-00
R119	RESISTOR, FIXED, COMPOSITION: 56 ohms $\pm 10\%$, 2 w	745-5600-00
R120	RESISTOR, FIXED, COMPOSITION: 15 ohms $\pm 20\%$, 25 w	710-3154-00
R121	RESISTOR, VARIABLE: wirewound; 50 ohms $\pm 10\%$, 25 w	735-0201-00
R122	RESISTOR, FIXED, COMPOSITION: 2000 ohms $\pm 5\%$, 25 w	710-3241-00
R123	NOT USED	
R124	RESISTOR ASSEMBLY: c/o 4 resistors, 2 terminals and glass cloth epoxy board 1/16 in. thk; 2-7/8 in. w by 6 in. lg overall	548-3621-003
R124A, B, C, D	RESISTOR, FIXED, FILM: 1,000,000 ohms $\pm 1\%$, 2 w	705-4001-00
R125	RESISTOR, FIXED, COMPOSITION: 10,000 ohms $\pm 10\%$, 2 w	745-5694-00
R126	RESISTOR, FIXED, COMPOSITION: 4700 ohms $\pm 10\%$, 1 w	745-3380-00
R127	RESISTOR, FIXED, COMPOSITION: same as R113	745-3401-00
R128	RESISTOR, FIXED, COMPOSITION: 220 ohms $\pm 10\%$, 1/2 w	745-1058-00
R129	RESISTOR, FIXED, COMPOSITION: 5100 ohms $\pm 5\%$, 1/2 w	745-1116-00
R130	RESISTOR, FIXED, COMPOSITION: 100 ohms $\pm 10\%$, 1/2 w	745-1310-00
R131	RESISTOR, FIXED, COMPOSITION: same as R130	745-1310-00
R132	RESISTOR, FIXED, COMPOSITION: same as R130	745-1310-00
R133	RESISTOR, FIXED, COMPOSITION: same as R130	745-1310-00
R134	RESISTOR, FIXED, COMPOSITION: 820 ohms $\pm 10\%$, 1/2 w	745-1349-00
R135	RESISTOR, FIXED, COMPOSITION: 68,000 ohms $\pm 10\%$, 1/2 w	745-1429-00
R136	RESISTOR, FIXED, COMPOSITION: same as R135	745-1429-00
R137	RESISTOR, FIXED, COMPOSITION: 18,000 ohms $\pm 5\%$, 2 w	745-5704-00

ITEM	DESCRIPTION	COLLINS PART NUMBER
R138	RESISTOR, FIXED, COMPOSITION: same as R137	745-5704-00
R139	RESISTOR, FIXED, COMPOSITION: same as R102	745-1324-00
R140	RESISTOR, FIXED, COMPOSITION: 2200 ohms $\pm 10\%$, 1/2 w	745-1366-00
R141	RESISTOR, FIXED, COMPOSITION: 82,000 ohms $\pm 10\%$, 2 w	745-5733-00
R142	RESISTOR, FIXED, COMPOSITION: 0.15 megohms $\pm 10\%$, 2 w	745-5743-00
R143	RESISTOR, FIXED, COMPOSITION: same as R142	745-5743-00
R144	RESISTOR, FIXED, COMPOSITION: same as R116	745-5708-00
R145	RESISTOR, FIXED, COMPOSITION: same as R116	745-5708-00
R146	RESISTOR, FIXED, COMPOSITION: 8200 ohms $\pm 10\%$, 2 w	745-5691-00
R147	RESISTOR, FIXED, COMPOSITION: same as R141	745-5733-00
R148	RESISTOR, FIXED, COMPOSITION: same as R141	745-5733-00
R149	RESISTOR, FIXED, COMPOSITION: 47,000 ohms $\pm 10\%$, 2 w	745-5722-00
R150	RESISTOR, FIXED, COMPOSITION: 82,000 ohms $\pm 10\%$, 1 w	745-3433-00
R151	RESISTOR, FIXED, COMPOSITION: same as R142	745-5743-00
R152	RESISTOR, VARIABLE: same as R117	377-0011-00
R153	RESISTOR, VARIABLE: same as R117	377-0011-00
R154	RESISTOR, FIXED, COMPOSITION: same as R142	745-5743-00
R155	RESISTOR, FIXED, COMPOSITION: same as R150	745-3433-00
R156	RESISTOR, FIXED, COMPOSITION: 0.47 megohms $\pm 10\%$, 1 w	745-3464-00
R156A	RESISTOR, FIXED, COMPOSITION: 0.56 megohm $\pm 10\%$, 1 w	745-3468-00
R157	RESISTOR, FIXED, COMPOSITION: same as R156	745-3464-00
R157A	RESISTOR, FIXED, COMPOSITION: same as R156A	745-3468-00
R158	RESISTOR, FIXED, COMPOSITION: same as R156	745-3464-00
R158A	RESISTOR, FIXED, COMPOSITION: same as R156A	745-3468-00
R159	RESISTOR, FIXED, COMPOSITION: same as R156	745-3464-00
R159A	RESISTOR, FIXED, COMPOSITION: same as R156A	745-3468-00
R160	RESISTOR, FIXED, COMPOSITION: same as R156	745-3464-00
R160A	RESISTOR, FIXED, COMPOSITION: same as R156A	745-3468-00
R161	RESISTOR, FIXED, COMPOSITION: same as R156	745-3464-00
R161A	RESISTOR, FIXED, COMPOSITION: same as R156A	745-3468-00
R162	RESISTOR, FIXED, COMPOSITION: same as R156	745-3464-00
R162A	RESISTOR, FIXED, COMPOSITION: same as R156A	745-3468-00
R163	RESISTOR, FIXED, COMPOSITION: same as R156	745-3464-00
R163A	RESISTOR, FIXED, COMPOSITION: same as R156A	745-3468-00
R164	RESISTOR, FIXED, COMPOSITION: same as R103	745-3394-00
R165	RESISTOR, FIXED, COMPOSITION: same as R103	745-3394-00
R166	RESISTOR, VARIABLE: same as R121	735-0201-00
R167	RESISTOR, FIXED, WIREWOUND: 10 section; 1000 ohms total resistance $\pm 10\%$, 150 w; Ohmite Mfg Co. part no. 1603	717-0002-00
R168	RESISTOR, FIXED, COMPOSITION: 7500 ohms $\pm 10\%$, 160 w; Ohmite Mfg Co. part no. 0715	710-0150-00
R169	RESISTOR, FIXED, COMPOSITION: same as R168	710-0150-00
R170	RESISTOR, FIXED, COMPOSITION: 5000 ohms $\pm 10\%$, 160 w; Ohmite Mfg Co. part no. 0714	710-6542-00
R171	RESISTOR, FIXED, COMPOSITION: same as R170	710-6542-00

SECTION VI
Parts List

AM Broadcast Transmitter 20V-3

ITEM	DESCRIPTION	COLLINS PART NUMBER
R172	RESISTOR, FIXED, WIREWOUND: 16,000 ohms $\pm 5\%$, 10 w; Ohmite Mfg Co. part no. 1-3/4-D-57-F16000	710-2926-00
R173	RESISTOR, VARIABLE: wirewound; 2000 ohms $\pm 10\%$, 0.045 amp; P. R. Mallory & Co. part no. M2MPX	377-0008-00
R174	RESISTOR, FIXED, COMPOSITION: 2500 ohms $\pm 5\%$, 10 w; Ohmite Mfg Co. part no. 1-3/4-D-57-F2500	710-2910-00
R175	RESISTOR, FIXED, COMPOSITION: 25 ohms $\pm 10\%$, 25 w; Ohmite Mfg Co. part no. 0200C	710-3252-00
R176	RESISTOR, FIXED, COMPOSITION: 25 ohms $\pm 10\%$, 10 w	710-1252-00
R177	RESISTOR, FIXED, COMPOSITION: same as R176	710-1252-00
R178	RESISTOR, FIXED, COMPOSITION: same as R176	710-1252-00
R179	RESISTOR, FIXED, COMPOSITION: same as R176	710-1252-00
R180	RESISTOR, FIXED, COMPOSITION: same as R175	710-3252-00
R181	RESISTOR, FIXED, COMPOSITION: 2000 ohms $\pm 10\%$, 25 w	710-3242-00
R182	RESISTOR, VARIABLE: wirewound; 4000 ohms, 4 w; 0.032 amp; P. R. Mallory & Co. part no. M4MPX	377-0040-00
R183	RESISTOR, FIXED, COMPOSITION: 1000 ohms $\pm 10\%$, 2 w	745-5652-00
R184	RESISTOR, FIXED, WIREWOUND: 20,000 ohms $\pm 5\%$, 100 w	710-2134-00
R185	RESISTOR, FIXED, WIREWOUND: same as R184	710-2134-00
R186	RESISTOR, FIXED, COMPOSITION: 40,000 ohms $\pm 10\%$, 100 w	710-5404-00
R187	RESISTOR, FIXED, COMPOSITION: 15 ohms $\pm 10\%$, 25 w	710-3152-00
R188	RESISTOR, FIXED, COMPOSITION: 7500 ohms $\pm 10\%$, 100 w	710-0132-00
R189	RESISTOR, VARIABLE: 15 ohm, 150 w; power rheostat	739-0001-00
R190	RESISTOR, FIXED, COMPOSITION: same as R128	745-1058-00
R191	RESISTOR, FIXED COMPOSITION: 50 ohms $\pm 10\%$, 22 w	712-4200-00
R192	RESISTOR, FIXED, COMPOSITION: 47 ohms $\pm 10\%$, 2 w	745-5596-00
R193	RESISTOR, FIXED, COMPOSITION: same as R192	745-5596-00
R194	SUPPRESSOR, PARASITIC: c/o 47 ohm, 2 w resistor plus 5-1/2 turns #14 wire	549-1051-002
S101	SWITCH, ROTARY: 2 circuit, 2 pole, 2 position; 2 moving, 6 fixed contacts; Oak Mfg Co. part no. 139807-22	259-0362-00
S102	SWITCH, ROTARY: 2 circuit, 2 pole, 8 position, 2 section; 2 moving, 18 fixed contacts	259-0441-00
S103	SWITCH ASSEMBLY: c/o steel 2 position detent switch, phenolic contact post, copper leaf & steel panel 2-1/4 in. w by 5 in. lg overall	504-9633-003
S104	SWITCH ASSEMBLY: c/o ceramic standoff, brass washer & contact arm, steel bracket and hinge	504-9587-002 504-9582-002 504-9553-004 190 2520-00
S105	SWITCH ASSEMBLY: same as S104	
S106	CIRCUIT BREAKER: double pole, magnetic; back connected; 5.0 ac contact rating; 230 v ac, 125 v dc	260-0239-00
S107	CIRCUIT BREAKER: double pole, magnetic; back connected; 20.0 ac amp current rating; 230 v ac, 125 v dc	260-0225-00
S108	CONTACT ASSEMBLY: door interlock switch; female; Neptune Electronics part no. F7460330G4	260-4050-00
S109	CONTACT ASSEMBLY: same as S108	260-4050-00
S110	CONTACT ASSEMBLY: same as S108	260-4050-00
S111	SWITCH, PUSH: normally open and closed; bakelite; Arrow-Hart & Hegeman part no. B-2	260-2020-00
S112	SWITCH, PUSH: same as S111	260-2020-00
S113	SWITCH, PUSH: same as S111	260-2020-00
S114	SWITCH, PUSH: same as S111	260-2020-00
T101	TANK CIRCUIT, BUFFER PLATE: 2 windings; 550 to 1600 kc freq range 2 in. by 2 in. by 5.687 in. over-all dimensions; includes L102	504-9632-003

ITEM	DESCRIPTION	COLLINS PART NUMBER
T102	TANK CIRCUIT, BUFFER PLATE: same as T101; includes L104	504-9632-003
T103	TRANSFORMER, AUDIO FREQUENCY: two primaries 600 ohms, CT; two secondaries 50,000 ohms, CT; 30 to 15,000 cps; solder type terminals; Thordarson part no. T-50099	677-0114-00
T104	TRANSFORMER, AUDIO FREQUENCY: pri 19,000 ohms CT; sec, 37,000 ohms CT; 50 to 10,000 cps; screw-type terminals; continuous duty cycle; Electro Engr. Works part no. E-11585	667-0497-00
T105	TRANSFORMER, POWER, STEP-DOWN AND STEP-UP: pri 230 v, 208 v; sec. #1, 360 v, CT; sec. #2, 5 v; 50/60 cps; continuous duty cycle; Chicago Std. Trans. part no. 30754	662-0024-00
T106	TRANSFORMER, POWER, STEP-DOWN: pri 230 v, 208 v; sec. 5 v, CT; 50/60 cps; continuous duty cycle; Electro Engineering part no. E10306A	662-0209-00
T107	TRANSFORMER, POWER, STEP-UP: pri 220 v, 230 v, 240 v, 250 v, 198 v, 208 v, 217 v, 226 v; sec. 3200 v, CT; 50/60 cps; continuous duty cycle; Raytheon part no. F-2833	672-0385-00
T108	TRANSFORMER, POWER, STEP-DOWN: pri 230 v, 208 v; sec. #1 5.3 v CT; sec. #2, 5.3 v CT; sec. #3, 6.3 v CT; sec. #4, 2.5 v CT; 50/60 cps; continuous duty cycle; Raytheon part no. 292-5705G1	662-0040-00
T109	TRANSFORMER, POWER, STEP-UP: pri 230 v, 208 v; sec. 1420 v CT; 50/60 cps; continuous duty cycle; Raytheon part no. 292-5715G1	662-0013-00
TB100	TERMINAL BOARD: 3 solder-lug terminals; 50 amp; 600 v; 2-1/8 in. w by 3-19/32 in. lg; Square D Co. part no. 9080	306-0069-00
TB101	TERMINAL BOARD: mineral-filled phenolic barrier type w/ 10 screw terminals; 1-5/16 in. w by 6-13/64 in. lg	367-0645-00
TB102	TERMINAL BOARD: black bakelite, 2 terminals w/ 6-32 terminal screws; 1-1/8 in. w by 1-5/8 in. lg; Howard B. Jones part no. 2-141	367-4020-00
TB103	TERMINAL BOARD: phenolic, barrier type w/ 6 terminals; 7/8 in. w by 2-5/8 in. lg; Howard B. Jones part no. 353-11-06-001	367-0121-00
TB104	TERMINAL BOARD: same as TB103	367-0121-00
TB105	TERMINAL BOARD: black phenolic, 16 terminals; 1-5/16 in. w by 9-31/32 in. lg; Howard B. Jones part no. 16-142	367-5160-00
TB106	TERMINAL BOARD: bakelite, 2 terminal connector strips 2/ 5-40 terminal screws; 7/8 in. w by 1-3/8 in. lg; Howard B. Jones part no. 353 11 02 001	367-0001-00
TB107	TERMINAL BOARD: same as TB106	367-0001-00
TB108	TERMINAL BOARD: bakelite; 13 terminals w/ 8-32 terminal screws; 1-5/16 in. w by 8-1/4 in. lg	367-5130-00
TB109	TERMINAL BOARD: same as TB108	367-5130-00
TB110	TERMINAL BOARD: phenolic w/ 3 solder-lug terminals; 11/16 in. w by 1-1/8 in. lg; Cinch Mfg Corp. part no. 1520-A	306-9033-00
TB111	TERMINAL BOARD: same as TB110	306-9033-00
TB112	TERMINAL BOARD: same as TB110	306-9033-00
TB113	TERMINAL BOARD: same as TB110	306-9033-00
TB114	TERMINAL BOARD: same as TB110	306-9033-00
TB115	TERMINAL BOARD: same as TB110	306-9033-00
TB116	TERMINAL BOARD: same as TB110	306-9033-00
TB117	TERMINAL BOARD: same as TB110	306-9033-00
TB118	TERMINAL BOARD: same as TB110	306-9033-00
TB119	TERMINAL BOARD: same as TB110	306-9033-00
TB120	TERMINAL BOARD: same as TB110	306-9033-00
TB121	TERMINAL BOARD: same as TB110	306-9033-00
TB122	TERMINAL BOARD: same as TB110	306-9033-00
TB123	TERMINAL BOARD: same as TB110	306-9033-00
TB124	TERMINAL BOARD: 2 solder-lug terminals, 19/32 in. w by 5/8 in. lg approx	306-0002-00
TB125	TERMINAL BOARD: same as TB110	306-9033-00
TB126	TERMINAL BOARD: same as TB110	306-9033-00
TB127	TERMINAL BOARD: same as TB110	306-9033-00
V101	ELECTRON TUBE: pentode; General Electric type 6AU6	255-0202-00
V102	ELECTRON TUBE: glass envelope; pentode; RCA type 6SJ7	255-0030-00
V103	ELECTRON TUBE: beam; RCA type 807	256-0033-00
V104	ELECTRON TUBE: tetrode; Eimac type 4-400A	256-0091-00

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ITEM	DESCRIPTION	COLLINS PART NUMBER
V105	ELECTRON TUBE: same as V104	256-0091-00
V106	ELECTRON TUBE: same as V102	255-0030-00
V107	ELECTRON TUBE: same as V102	255-0030-00
V108	ELECTRON TUBE: same as V104	256-0091-00
V109	ELECTRON TUBE: same as V104	256-0091-00
V110	ELECTRON TUBE: glass envelope; rectifier; General Electric type 5U4G	255-0032-00
V111	ELECTRON TUBE: rectifier; RCA type 575A	256-0080-00
V112	ELECTRON TUBE: same as V111	256-0080-00
V113	ELECTRON TUBE: rectifier; RCA type 866A/866	256-0049-00
V114	ELECTRON TUBE: same as V113	256-0049-00
XF101	FUSE HOLDER: w/ transparent knob for use w/ 3 AG fuses; 0-20 amp, 100-250 v rating; Bussman Mfg Co. part no. HKL-JRZ	265-1040-00
XF102	FUSE HOLDER: same as XF101	265-1040-00
XF103	FUSE HOLDER: same as XF101	265-1040-00
XF104	FUSE HOLDER: same as XF101	265-1040-00
XI101	LAMP HOLDER: panel mounting lampholder w/ candelabra screw base lamp	262-0255-00
XI102	LAMP HOLDER: same as XI101	262-0255-00
XK101	SOCKET, RELAY: 8 prong octal tube socket w/ steel mounting plate; American Phenolic part no. 88-8TM	220-1005-00
XT101	SOCKET, ELECTRON TUBE: 7 prong chassis mtg w/ ring and spacer; Amphenol part no. 49-SS7L	220-1770-00
XT102	SOCKET, ELECTRON TUBE: same as XT101	220-1770-00
XV101	SOCKET, ELECTRON TUBE: 7 contact top mtg, 1 miniature tube socket w/ shield base; 1 amp; phenolic insulation	220-1111-00
XV102	SOCKET, ELECTRON TUBE: 8 prong octal tube socket w/ steel mtg plate; American Phenolic part no. 88-8TM	220-1005-00
XV103	SOCKET, ELECTRON TUBE: 5 contact ceramic-tube socket; E. F. Johnson & Co. part no. 122-225-201	220-5520-00
XV104	SOCKET, ELECTRON TUBE: 5 prong tube socket, ceramic insulation; E. F. Johnson & Co. part no. 275	220-1016-00
XV105	SOCKET, ELECTRON TUBE: same as XV104	220-1016-00
XV106	SOCKET, ELECTRON TUBE: same as XV102	220-1005-00
XV107	SOCKET, ELECTRON TUBE: same as XV102	220-1005-00
XV108	SOCKET, ELECTRON TUBE: same as XV104	220-1016-00
XV109	SOCKET, ELECTRON TUBE: same as XV104	220-1016-00
XV110	SOCKET, ELECTRON TUBE: 8 prong octal tube socket w/ steel mtg plate	220-1059-00
XV111	SOCKET, ELECTRON TUBE: 4 prong socket w/ bayonet lock metal shell; E. F. Johnson & Co. part no. 123-211	220-5420-00
XV112	SOCKET, ELECTRON TUBE: same as XV111	220-5420-00
XV113	SOCKET, ELECTRON TUBE: 4 prong socket w/ bayonet lock metal shell; E. F. Johnson & Co. part no. 123-210-1	220-5410-00
XV114	SOCKET, ELECTRON TUBE: same as XV113	220-5410-00
XY101	SOCKET, CRYSTAL: 8 prong octal tube socket w/ steel mtg plate; American Phenolic part no. 88-8TM	220-1005-00
XY102	SOCKET, CRYSTAL: same as XY101	220-1005-00
COMMERCIAL HARDWARE		
	WASHER, NONMETALLIC: corprene; 0.032 in. thk, 0.147 in. id, 0.375 in. od	302-0026-00
	WASHER, NONMETALLIC: corprene; 0.032 in. thk, 0.172 in. id, 0.375 in. od	302-0028-00
	WASHER, NONMETALLIC: corprene; 0.032 in. thk, 0.172 in. id, 0.437 in. od	302-0029-00
	WASHER, NONMETALLIC: corprene; 0.032 in. thk, 0.172 in. id, 0.500 in. od	302-0030-00
	WASHER, NONMETALLIC: corprene; 0.032 in. thk, 0.203 in. id, 0.437 in. od	302-0031-00
	WASHER, NONMETALLIC: 0.032 in. thk; corprene; 0.203 in. id, 0.500 in. od	302-0032-00
	WASHER, NONMETALLIC: corprene; 0.032 in. thk, 0.203 in. id, 0.750 in. od	302-0034-00
	WASHER, NONMETALLIC: corprene; 0.016 in. thk, 0.265 in. id, 0.500 in. od	302-0037-00
	WASHER, NONMETALLIC: corprene; 0.016 in. thk, 0.265 in. id, 0.625 in. od	302-0038-00
	WASHER, NONMETALLIC: corprene; 0.016 in. thk, 0.265 in. id, 1.000 in. od	302-0040-00

ITEM	DESCRIPTION	COLLINS PART NUMBER
	WASHER, NONMETALLIC: corprene; 0.016 in. thk, 0.265 in. id, 1.250 in. od	302-0041-00
	WASHER, NONMETALLIC: corprene; 0.016 in. thk, 0.515 in. id, 0.875 in. od	302-0047-00
	WASHER, NONMETALLIC: corprene; 0.016 in. thk, 0.765 in. id, 1.125 in. od	302-0049-00
	WASHER, NONMETALLIC: gray fiber, 0.063 in. thk, 0.170 in. id, 0.437 in. od	302-0050-00
	WASHER, NONMETALLIC: gray fiber, 0.063 in. thk, 0.250 in. id, 0.500 in. od	302-0051-00
	INSULATOR, WASHER: mica; 0.007 in. thk, 1/2 in. id, 1 in. od	302-0058-00
	WASHER, FLAT: corprene, 1-5/16 in. id, 1-3/4 in. od, 0.016 in. thk	302-0095-00
	WASHER, NONMETALLIC: mica w/ resin binder; 0.0312 in. thk, 0.187 in. id, 0.531 in. od	302-0347-00
	INSULATOR, WASHER: mica; 0.025 in. thk, 3/16 in. id, 7/16 in. od	302-2300-00
	WASHER, FLAT: bakelite natural, 0.255 in. id, 0.515 in. od, 0.062 in. thk	302-5100-00
	WASHER, NONMETALLIC: acetate; 0.015 in. thk, 1/8 in. id, 9/32 in. od	303-1000-00
	WASHER, FLAT: steel, cadmium plate; 0.035 in. thk, 5/32 in. id, 3/8 in. od	310-0001-00
	WASHER, FLAT: steel, 0.042 in. thk, 11/64 in. id, 7/16 in. od	310-0006-00
	WASHER, FLAT: steel; 0.045 in. thk, 13/64 in. id, 7/16 in. od	310-0007-00
	WASHER, FLAT: CRES; 0.027 in. thk, 0.125 in. id, 0.312 in. od	310-0045-00
	WASHER, FLAT: CRES; 0.032 in. thk, 0.147 in. id, 0.312 in. od	310-0046-00
	WASHER, FLAT: CRES; 0.036 in. thk, 0.172 in. id, 0.437 in. od	310-0048-00
	WASHER, FLAT: CRES; 0.060 in. thk, 0.203 in. id, 0.500 in. od	310-0049-00
	WASHER, FLAT: steel, 0.060 in. thk, 0.265 in. id, 0.625 in. od	310-0050-00
	WASHER, FLAT: brass, nickel plate; 0.093 in. id, 0.250 in. od, 0.028 in. thk	310-0053-00
	WASHER, FLAT: brass, 0.125 in. id, 0.312 in. od, 0.028 in. thk	310-0054-00
	WASHER, FLAT: brass, 0.147 in. id, 0.312 in. od, 0.032 in. thk	310-0055-00
	WASHER, FLAT: brass, 0.147 in. id, 0.375 in. od, 0.032 in. thk	310-0056-00
	WASHER, FLAT: nickel plated brass; 0.172 in. id, 0.375 in. od, 0.036 in. thk	310-0057-00
	WASHER, FLAT: brass, 0.172 in. id, 0.437 in. od, 0.036 in. thk	310-0058-00
	WASHER, FLAT: brass, 0.038 in. thk, 0.203 in. id, 0.437 in. od	310-0059-00
	WASHER, FLAT: brass, nickel plated; 0.203 in. id, 0.500 in. od, 0.038 in. thk	310-0060-00
	WASHER, FLAT: brass, 0.265 in. id, 0.625 in. od, 0.040 in. thk	310-0061-00
	WASHER, LOCK: steel, split helical ring locking; 0.025 in. thk, 0.141 in. id, 0.239 in. od	310-0071-00
	WASHER, LOCK: steel, split helical ring; 0.168 in. id, 0.296 in. od, 0.040 in. thk	310-0072-00
	WASHER, LOCK: steel, 0.194 in. id, 0.323 in. od, 0.040 in. thk	310-0073-00
	WASHER, LOCK: bronze; 0.115 in. id, 0.212 in. od, 0.025 in. thk	310-0076-00
	WASHER, LOCK: silicon bronze, split helical ring, 0.141 in. id, 0.253 in. od, 0.031 in. thk	310-0077-00
	WASHER, LOCK: bronze, split helical ring locking; 0.025 in. thk, 0.239 in. od	310-0078-00
	WASHER, LOCK: bronze, split helical ring; 0.168 in. id, 0.296 in. od, 0.040 in. thk	310-0079-00
	WASHER, LOCK: silicon bronze, 0.194 in. id, 0.062 in. thk, 0.337 in. od	310-0080-00
	WASHER, LOCK: bronze; split helical ring; 0.194 in. id, 0.323 in. od, 0.040 in. thk	310-0081-00
	WASHER, LOCK: bronze; split helical ring; 0.255 in. id, 0.493 in. od, 0.062 in. thk	310-0082-00
	WASHER, LOCK: CRES; split helical ring, 0.115 in. id, 0.212 in. od, 0.025 in. thk	310-0279-00
	WASHER, LOCK: CRES; split helical ring, 0.141 in. id, 0.253 in. od, 0.031 in. thk	310-0282-00
	WASHER, LOCK: steel, split helical ring, 0.194 in. id, 0.337 in. od, 0.047 in. thk	310-0284-00

SECTION VI
Parts List

AM Broadcast Transmitter 20V-3

ITEM	DESCRIPTION	COLLINS PART NUMBER
	WASHER, LOCK: steel, 0.255 in. od, 0.493 in. od, 0.062 in. thk	310-0288-00
	WASHER, LOCK: bronze, split helical ring; 0.115 in. id, 0.202 in. od, 0.020 in. thk	310-0396-00
	WASHER, LOCK: bronze, split helical ring; 0.168 in. id, 0.280 in. od, 0.031 in. thk	310-0397-00
	WASHER, LOCK: bronze, split helical ring locking, 0.047 in. thk, 1/4 in. nom bolt size; 0.489 in. od	310-0400-00
	WASHER, FLAT: CRES; 0.147 in. id, 0.437 in. od, 0.031 in. thk	310-0447-00
	WASHER, LOCK: steel, split helical ring, 0.145 in. id, 0.239 in. od, 1/32 in. thk	310-3360-00
	WASHER, FLAT: steel; 0.147 in. id, 3/8 in. od, 0.031 in. thk	310-6360-00
	PIN, TAPERED, PLAIN: stainless steel; 6/0 taper pin 3/8 in. lg; 0.078 in. od	311-6003-00
	PIN, TAPERED, PLAIN: stainless steel; 6/0 taper pin 3/4 in. lg, 0.078 in. od	311-6033-00
	NUT, SELF-LOCKING, HEXAGON: steel, 5/16 in. across flats, 7/64 in. thk, tap 6-32	313-0002-00
	NUT, PLAIN, HEXAGON: stainless steel, thd 8-32, double chamfered; 0.3437 in. by 0.130 in.	313-0017-00
	NUT, PLAIN, HEXAGON: CRES; 10-32 thd; 3/8 in. hex, 1/8 in. thk	313-0019-00
	NUT, PLAIN, HEXAGON: CRES; 1/4 in. hex, 3/32 in. thk; 4-40 thd	313-0043-00
	NUT, PLAIN, HEXAGON: CRES; 6-32 thd; 1/4 in. hex; 3/32 in. thk	313-0045-00
	NUT, PLAIN, HEXAGON: steel, 8-32 thd, 1/4 in. hex by 3/32 in. thk	313-0046-00
	NUT, PLAIN, HEXAGON: brass, chamfered; 2-56 NC-2 thd, 0.1875 in. by 0.205 in. by 0.066 in. chamfered	313-0050-00
	NUT, PLAIN, HEXAGON: brass; chamfered; 4-40 NC-2 thd; 0.250 in. hex by 0.098 in. h	313-0051-00
	NUT, PLAIN, HEXAGON: brass, chamfered; 6-32 NC-2 thd; 0.3125 in. by 0.344 in. by 0.114 in.	313-0053-00
	NUT, PLAIN, HEXAGON: brass, chamfered; 8-32 NC-2 thd; 0.3437 in. , 0.378 in. by 0.130 in.	313-0054-00
	NUT, PLAIN, HEXAGON: brass, chamfered; 10-32 NF-2 thd; 0.3750 in. by 0.413 in. by 0.130 in.	313-0056-00
	NUT, PLAIN, HEXAGON: brass, single chamfered, 3/8-32 thd, 3/32 in. by 9/16 in.	313-0062-00
	NUT, PLAIN, HEXAGON: CRES; 1/4-20 NC-2 thd; 7/16 in. hex by 3/16 in. h	313-0082-00
	NUT, PLAIN, HEXAGON: steel, cadmium plated; 6-32 NC-2 thd; 5/16 in. by 7/64 in.	313-0117-00
	NUT, PLAIN, HEXAGON: steel, cadmium plated; 8-32 NC-2 thd, 11/32 in. by 1/8 in.	313-0120-00
	NUT, PLAIN, HEXAGON: steel, cadmium plated; 10-32 NF-2 thd; 3/8 in. by 1/8 in.	313-0121-00
	NUT, PLAIN, HEXAGON: brass, nickel plated; 6-32 NC-2 thd, 1/4 in. by 3/32 in.	313-0140-00
	NUT, PLAIN, HEXAGON: brass, nickel plated; 1/4-20 NC-2 thd; 7/16 in. by 3/16 in.	313-0148-00
	NUT, PLAIN, HEXAGON: brass, nickel plated; 1/4-28 NF-2 thd, 3/8 in. by 1/8 in.	313-0149-00
	NUT, PLAIN, HEXAGON: brass, nickel plated; 4-40 NC-2 thd	313-0156-00
	SCREW, MACHINE: brass, cadmium plated; 4-36 NS-2 thd; fillister head, 0.112 in. by 5/16 in.	321-0047-00
	SCREW, MACHINE: brass, cadmium plated; 4-36 NS-2 thd; 0.112 in. by 5/16 in.	323-0037-00
	SCREW, MACHINE: brass, cadmium plated; 4-36 NS-2 thd; 0.112 in. by 1/2 in.	323-0040-00
	SCREW, MACHINE: stainless steel, trimmed head; 10-32 NF-2 thd; 0.190 in. by 1/2 in.	325-0051-00
	SET, SCREW: stainless steel passivate finish; 6-32 NC-3A by 1/8 in. lg	328-0018-00
	SET, SCREW: stainless steel w/ passivate finish; fluted socket, cup point; 8-32 NC-3A thd; 3/16 in. lg overall	328-0267-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips binding head, 0.219 in. dia by 0.080 in. h; 4-40 thd, 3/8 in. lg	330-0733-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips binding head, 0.270 in. dia by 0.097 in. h; 6-32 thd, 3/8 in. lg	330-0737-00

ITEM	DESCRIPTION	COLLINS PART NUMBER
	SCREW TAPPING, THREAD FORMING: steel, Phillips binding head, 0.270 in. dia by 0.097 in. h; 6-32 thd, 3/4 in. lg	330-0740-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips binding head, 0.321 in. dia by 0.115 in. h; 8-32 thd, 3/8 in. lg	330-0741-00
	SCREW TAPPING, THREAD FORMING: steel, hexagon head, 0.250 in. dia by 0.080 in. thk; 6-32 thd, 1/2 in. lg	330-0950-00
	SCREW TAPPING, THREAD FORMING: steel, hexagon head, 0.250 in. dia by 0.110 in. thk; 8-32 thd, 3/8 in. lg	330-0952-00
	SCREW TAPPING, THREAD FORMING: steel, hexagon head, 0.375 in. dia, 0.190 in. thk; 1/4-20 thd, 1/2 in. lg	330-0965-00
	SCREW TAPPING, THREAD FORMING: steel, hexagon head, 0.500 in. dia by 0.230 in. thk; 5/16-18 thd, 5/8 in. lg	330-0973-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips stove truss head; 0.384 in. dia by 0.102 in. thk; screw size 8, 3/8 in. lg	330-1157-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips stove truss head, 0.321 in. dia by 0.086 in. thk; screw size 6, 5/16 in. lg	330-1183-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips stove truss head, 0.384 in. dia, by 0.102 in. thk; screw size 8, 3/8 in. lg	330-1185-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips stove truss head, 0.384 in. dia by 0.102 in. thk; screw size 8, 5/8 in. lg	330-1187-00
	SCREW TAPPING, THREAD FORMING: steel, Phillips stove truss head, 0.448 in. dia, 0.118 in. thk; screw size 10, 3/8 in. lg	330-1188-00
	NUT, SELF-LOCKING, HEXAGON: dural; w/ nylon insert; 8(0.164) in. -32 NC-2 thd; 0.344 in. hex by 0.234 in. h overall; Elastic Stop Nut Corp. part no. 68NM-82	333-0381-00
	NUT, PLAIN, PLATE: aluminum; 6-32 thd; 7/16 in. by 15/32 in. by 0.859 in.; Elastic Stop Nut Corp. of America part no. 68NA7-68-62	333-5620-00
	NUT, PLAIN, HEXAGON: brass; 3/8-32 NF thd; 9/16 in. hex by 3/16 in. h	334-0003-00
	NUT, PLAIN, WELDING: steel, 3/8 in. lg by 1/4 in. w, 7/64 in. thk, 6-32 thd	334-0300-00
	NUT, PLAIN, WELDING: steel, 10-32 thd, 7/16 in. by 5/8 in. by 1/8 in.; Ohio Nut & Bolt Co. part no. SN 1710	334-0310-00
	NUT, PLAIN, WELDING: steel, 1/4-20 thd, 1/2 in. by 13/16 in. by 11/64 in.	334-0311-00
	NUT, PLAIN, WING: stainless steel, 8-32 thd; 13/16 in. by 13/32 in.	334-2190-00
	NUT, PLAIN, HEXAGON: stainless steel; 3/8-32 thd, 1/2 in. hex by 3/32 in. h overall	334-4120-00
	SETSCREW: stainless steel; headless, multiple spline drive, oval point; 8-32 NC-2 thd, 1/4 in. lg overall	335-0025-00
	RING, RETAINING: spring steel, 0.225 in. by 0.025 in. by 0.45 in.; Waldes Kohinoor, part no. 5100-25-MD	340-0025-00
	SCREW, MACHINE: stainless steel; Phillips recessed flat head; 6-32 NC-2A thd, 3/8 in. lg	342-0062-00
	SCREW, MACHINE: stainless steel; Phillips recessed flat head; 6-32 NC-2A thd, 1/2 in. lg	342-0064-00
	SCREW, MACHINE: stainless steel; Phillips recessed flat head, 8-32 NC-2A thd, 7/16 in. lg	342-0079-00
	SCREW, MACHINE: brass; Phillips recess flat head; 10-32 NF-2A, 5/8 in. lg	342-0206-00
	SCREW, MACHINE: stainless steel; Phillips recessed flat head; 1/4-20 UNC-2A, 3/4 in. lg	342-0260-00
	SCREW, MACHINE: CRES; Phillips pan head; 4-40 NC-2A thd, 1/4 in. lg	343-0133-00
	SCREW, MACHINE: CRES; Phillips pan head; 4-40 NC-2A thd, 5/16 in. lg	343-0134-00
	SCREW, MACHINE: CRES; Phillips pan head; 4-40 NC-2A, 3/8 in. lg	343-0135-00
	SCREW, MACHINE: CRES; Phillips pan head; 4-40 NC-2A thd, 3/4 in. lg	343-0139-00
	SCREW, MACHINE: CRES; Phillips pan head; 6-32 NC-2A thd, 1/4 in. lg	343-0167-00
	SCREW, MACHINE: CRES; pan head; 6-32 NC-2A thd; 5/16 in. lg	343-0168-00
	SCREW, MACHINE: CRES; Phillips pan head; 6-32 NC-2A thd, 3/8 in. lg	343-0169-00

AM Broadcast Transmitter 20V-3

ITEM	DESCRIPTION	COLLINS PART NUMBER
	SCREW, MACHINE: CRES; Phillips recessed pan head; 6-32 NC-2A thd, 7/16 in. lg	343-0170-00
	SCREW, MACHINE: CRES; Phillips pan head, 6-32 NC-2A thd; 1/2 in. lg	343-0171-00
	SCREW, MACHINE: CRES; Phillips pan head; 6-32 NC-2A thd; 3/4 in. lg	343-0174-00
	SCREW, MACHINE: CRES; Phillips pan head; 6-32 NC-2A thd, 1-1/4 in. lg	343-0178-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A, 3/16 in. lg	343-0184-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd, 1/4 in. lg	343-0185-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A, 5/16 in. lg	343-0186-00
	SCREW, MACHINE: CRES; pan head; 8-32 NC-2A thd; 3/8 in. lg	343-0187-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd, 7/16 in. lg	343-0188-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd; 1/2 in. lg	343-0189-00
	SCREW, MACHINE: CRES; pan head; cross recess drive; 8-32 NC-2A thd; 5/8 in. lg	343-0190-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd; 3/4 in. lg	343-0191-00
	SCREW, MACHINE: steel; Phillips pan head; 8-32 NC-2A thd, 7/8 in. lg	343-0192-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd; 1 in. lg	343-0193-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd, 1-1/4 in. lg	343-0195-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd, 1-3/4 in. lg	343-0197-00
	SCREW, MACHINE: CRES; Phillips pan head; 8-32 NC-2A thd, 2-1/4 in. lg	343-0199-00
	SCREW, MACHINE: CRES; Phillips pan head; 10-32 NF-2A thd, 5/16 in. lg	343-0225-00
	SCREW, MACHINE: CRES; Phillips pan head; 10-32 NF-2A thd, 3/8 in. lg	343-0226-00
	SCREW, MACHINE: CRES; Phillips pan head; 10-32 NF-2A, 1/2 in. lg	343-0228-00
	SCREW, MACHINE: CRES; Phillips pan head; 10-32 NF-2A, 5/8 in. lg	343-0229-00
	SCREW, MACHINE: CRES; Phillips pan head; 10-32 NF-2A thd, 7/8 in. lg	343-0230-00
	SCREW, MACHINE: CRES; Phillips pan head; 10-32 NF-2A, 1-1/8 in. lg	343-0232-00
	SCREW, MACHINE: CRES; Phillips pan head; 1/4-20 UNC-2A, 5/8 in. lg	343-0266-00
	SCREW, MACHINE: brass; Phillips pan head; 4-40 NC-2A, 1/4 in. lg	343-0285-00
	SCREW, MACHINE: brass; Phillips pan head; 4-40 NC-2A thd, 5/16 in. lg	343-0286-00
	SCREW, MACHINE: brass; Phillips pan head; 4-40 NC-2A thd, 3/8 in. lg	343-0287-00
	SCREW, MACHINE: brass; Phillips pan head; 4-40 NC-2A, 7/8 in. lg	343-0292-00
	SCREW, MACHINE: brass; Phillips pan head; 4-40 NC-2A, 1 in. lg	343-0293-00
	SCREW, MACHINE: brass; Phillips pan head; 2-56 NC-2A, 3/16 in. lg	343-0298-00
	SCREW, MACHINE: brass; Phillips pan head; 2-56 NC-2A, 1/4 in. lg	343-0299-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A thd, 5/16 in. lg	343-0308-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A, 3/8 in. lg	343-0309-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A; 1/2 in. lg	343-0311-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A thd, 5/8 in. lg	343-0312-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A, 3/4 in. lg	343-0313-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A, 7/8 in. lg	343-0314-00

ITEM	DESCRIPTION	COLLINS PART NUMBER
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A, 1 in. lg	343-0315-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A thd; 1-1/2 in. lg	343-0318-00
	SCREW, MACHINE: brass; Phillips pan head; 8-32 NC-2A thd, 2 in. lg	343-0320-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A thd, 1/4 in. lg	343-0328-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A thd, 5/16 in. lg	343-0329-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A thd, 3/8 in. lg	343-0330-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A, 7/16 in. lg	343-0331-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A thd, 1/2 in. lg	343-0332-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A thd, 5/8 in. lg	343-0333-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A thd, 3/4 in. lg	343-0334-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A thd, 7/8 in. lg	343-0335-00
	SCREW, MACHINE: brass; Phillips pan head; 6-32 NC-2A, 2 in. lg	343-0341-00
	SCREW, MACHINE: brass; Phillips pan head; 10-32 NF-2A, 1/4 in. lg	343-0343-00
	SCREW, MACHINE: brass; Phillips pan head; 10-32 NF-2A, 3/8 in. lg	343-0345-00
	SCREW, MACHINE: brass; Phillips pan head; 1/4-20 UNC-2A, 1/2 in. lg	343-0366-00
	SCREW, MACHINE: brass; Phillips pan head; 1/4-20 UNC-2A, 5/8 in. lg	343-0367-00
	SCREW, MACHINE: brass; Phillips pan head; 1/4-20 UNC-2A by 3/4 in. lg	343-0368-00
	SCREW, MACHINE: steel; Phillips recessed pan head; 8-32 NC-2A, 1/2 in. lg	343-0528-00
	SCREW, MACHINE: CRES; Phillips fillister head, 6-32 NC-2A thd, 7/16 in. lg	347-0036-00
	WASHER, LOCK: CRES; 3/8 screw size; 0.398 in. by 0.692 in. by 0.035 in.; Shakeproof, Inc. part no. 1720-00	373-0046-00
	WASHER, LOCK: CRES; 3/8 screw size; 0.391 in. by 0.507 in. by 0.022 in.; Shakeproof part no. 1720-02	373-0085-00
	WASHER, LOCK: phosphor bronze; to fit 3/8 in. dia machine screw; 0.398 in. by 0.692 in. by 0.035 in.; Shakeproof, Inc. part no. 1920-00	373-3070-00
	WASHER, LOCK: steel; to fit no. 8 machine screw; 0.176 in. by 0.381 in. by 0.020 in.; Shakeproof, Inc. part no. 1108-00	373-5030-00
	WASHER, LOCK: phosphor bronze; to fit no. 4 machine screw; 0.123 in. by 0.255 in. by 0.016 in.; Shakeproof part no. 1804-00	373-7010-00
	WASHER, LOCK: phosphor bronze; 0.317 in. od, 0.020 in. thk, no. 6 nom screw size; Shakeproof Inc. part no. 1806-00	373-7020-00
	WASHER, LOCK: phosphor bronze; 0.381 in. od, 0.020 in. thk, no. 8 nom screw size; Shakeproof Inc. part no. 1808-00	373-7030-00
	WASHER, LOCK: phosphor bronze; 0.406 in. od, 0.204 in. id for no. 10 screw, 0.022 in. thk material; Shakeproof Inc. part no. 1810-00	373-7040-00
	WASHER, LOCK: phosphor bronze; 0.680 in. od, 0.398 in. id, 0.035 in. thk; Shakeproof, Inc. part no. 1820-00	373-7070-00
	WASHER, LOCK: steel; 0.225 in. od, 0.016 in. thk no. 4 machine screw; Shakeproof Inc. part no. 1604-00	373-8010-00
	WASHER, LOCK: stainless steel; 0.694 in. od, 0.398 in. id, 0.035 in. thk; Shakeproof Inc. part no. 1620-00	373-8070-00

SECTION VI
Parts List

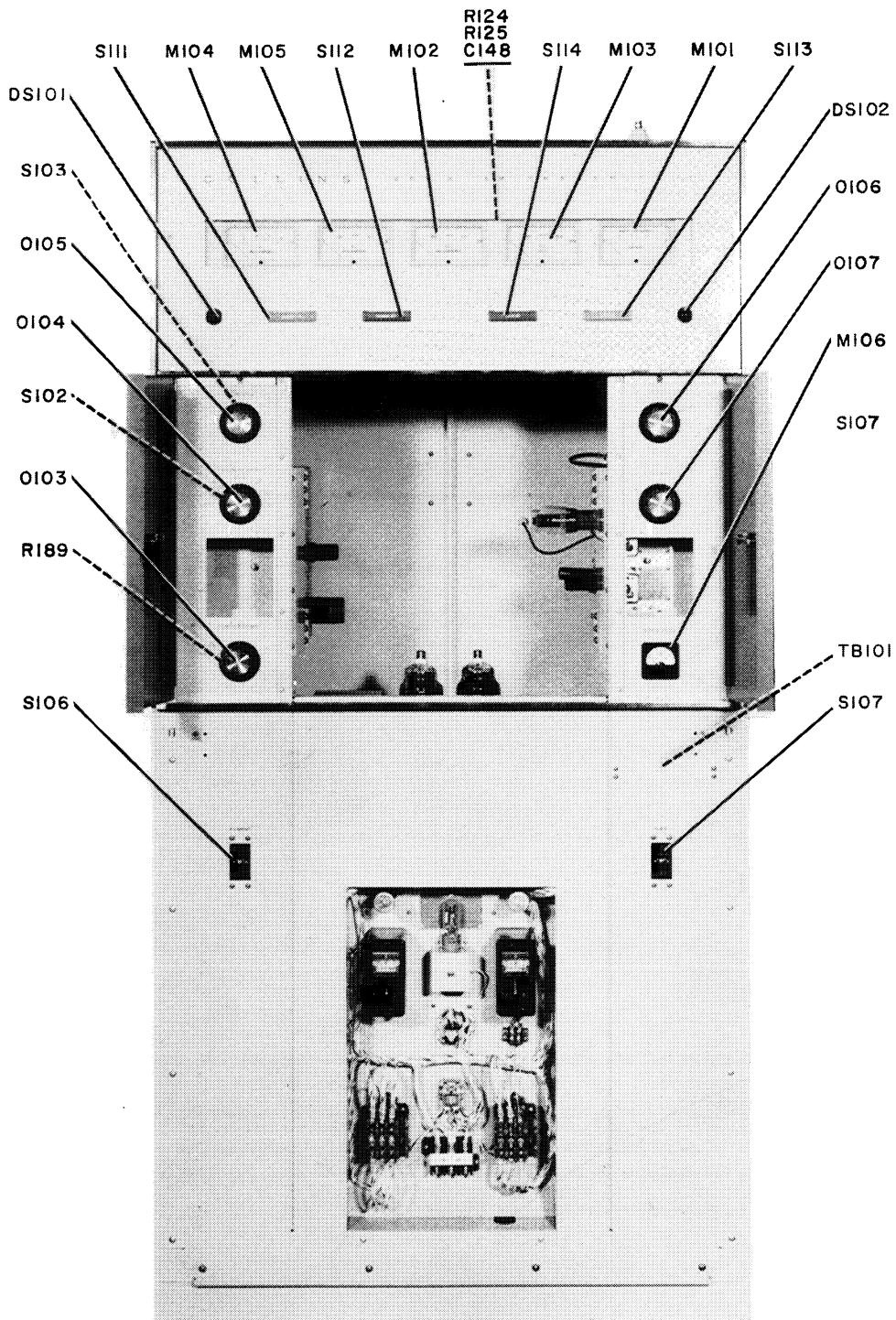


Figure 6-1. AM Broadcast Transmitter 20V-3, Front View

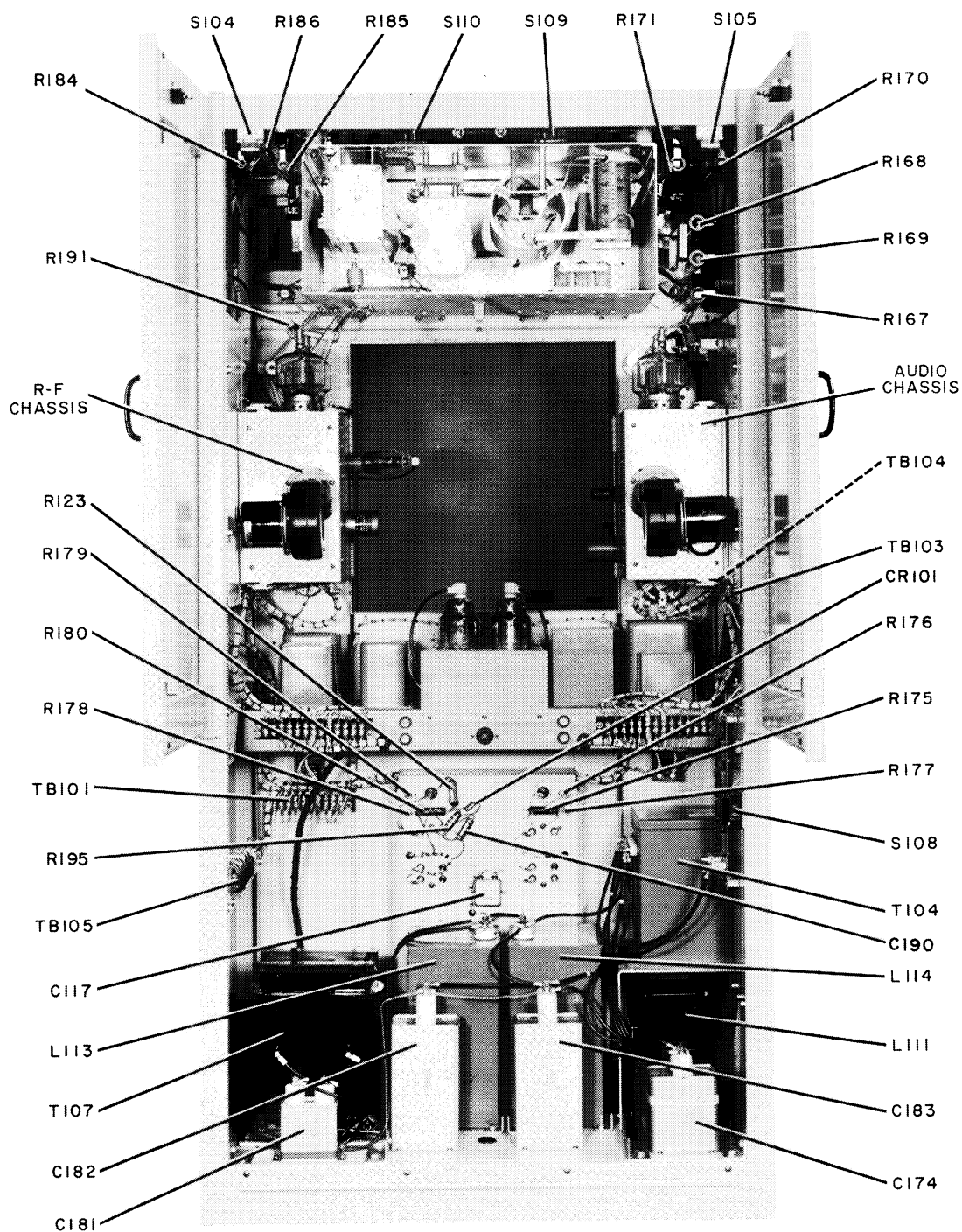


Figure 6-2. AM Broadcast Transmitter 20V-3, Rear View

SECTION VI
Parts List

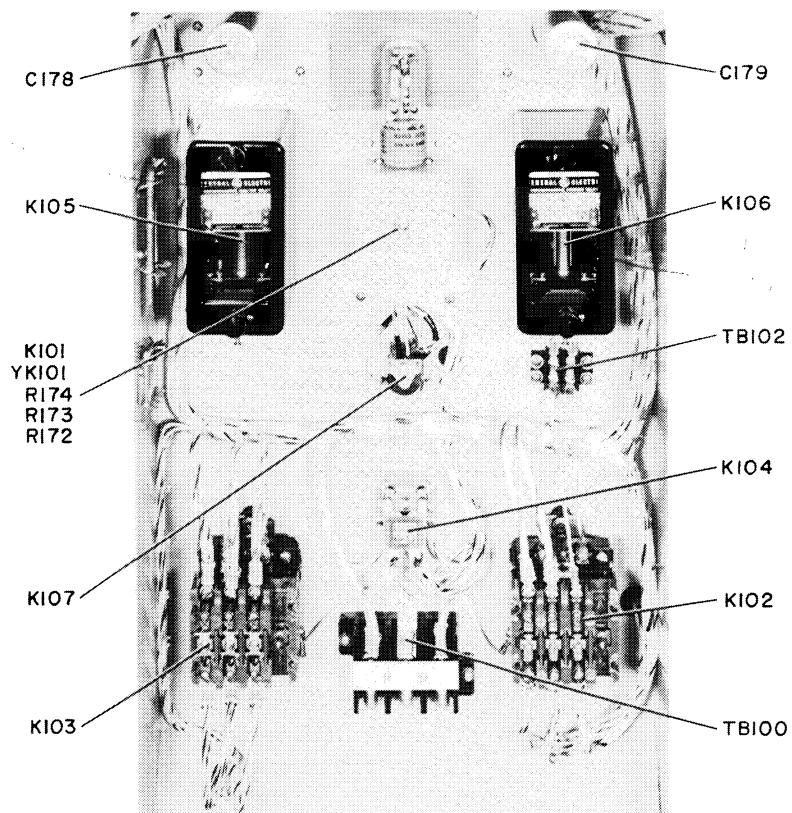


Figure 6-3. Relay Compartment

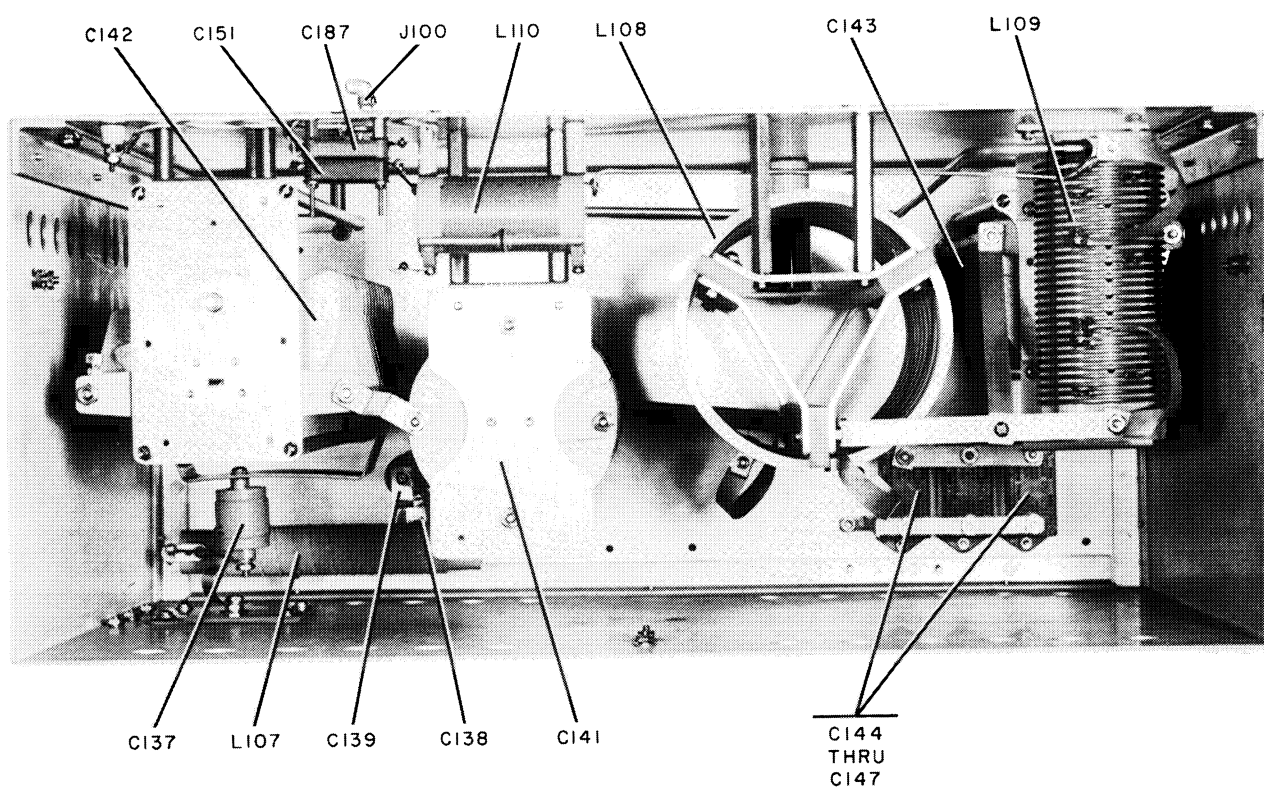


Figure 6-4. R-F Output Network Compartment

SECTION VI
Parts List

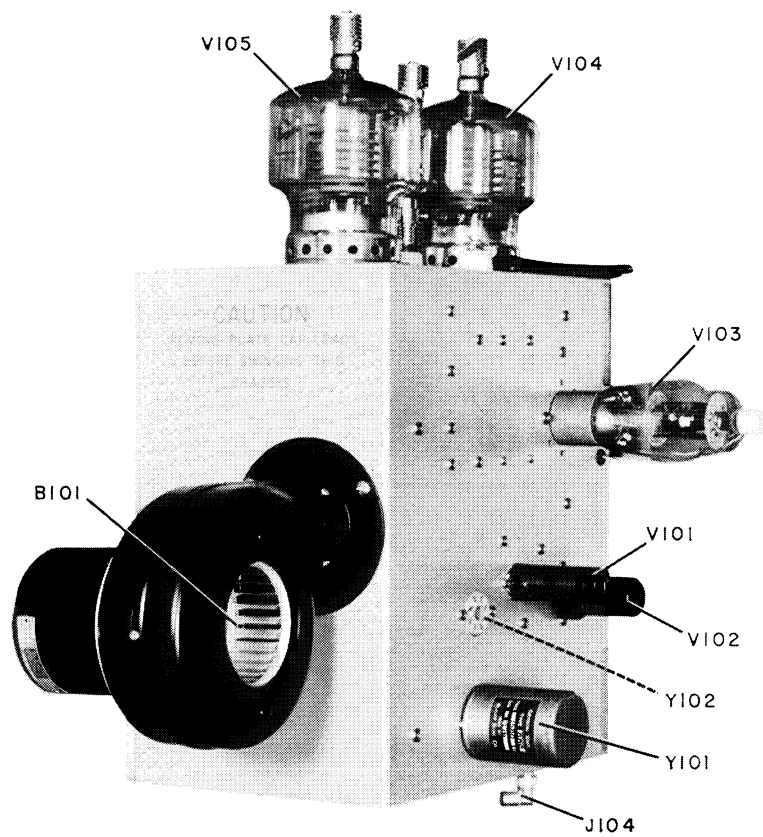


Figure 6-5. R-F Chassis, Outside View

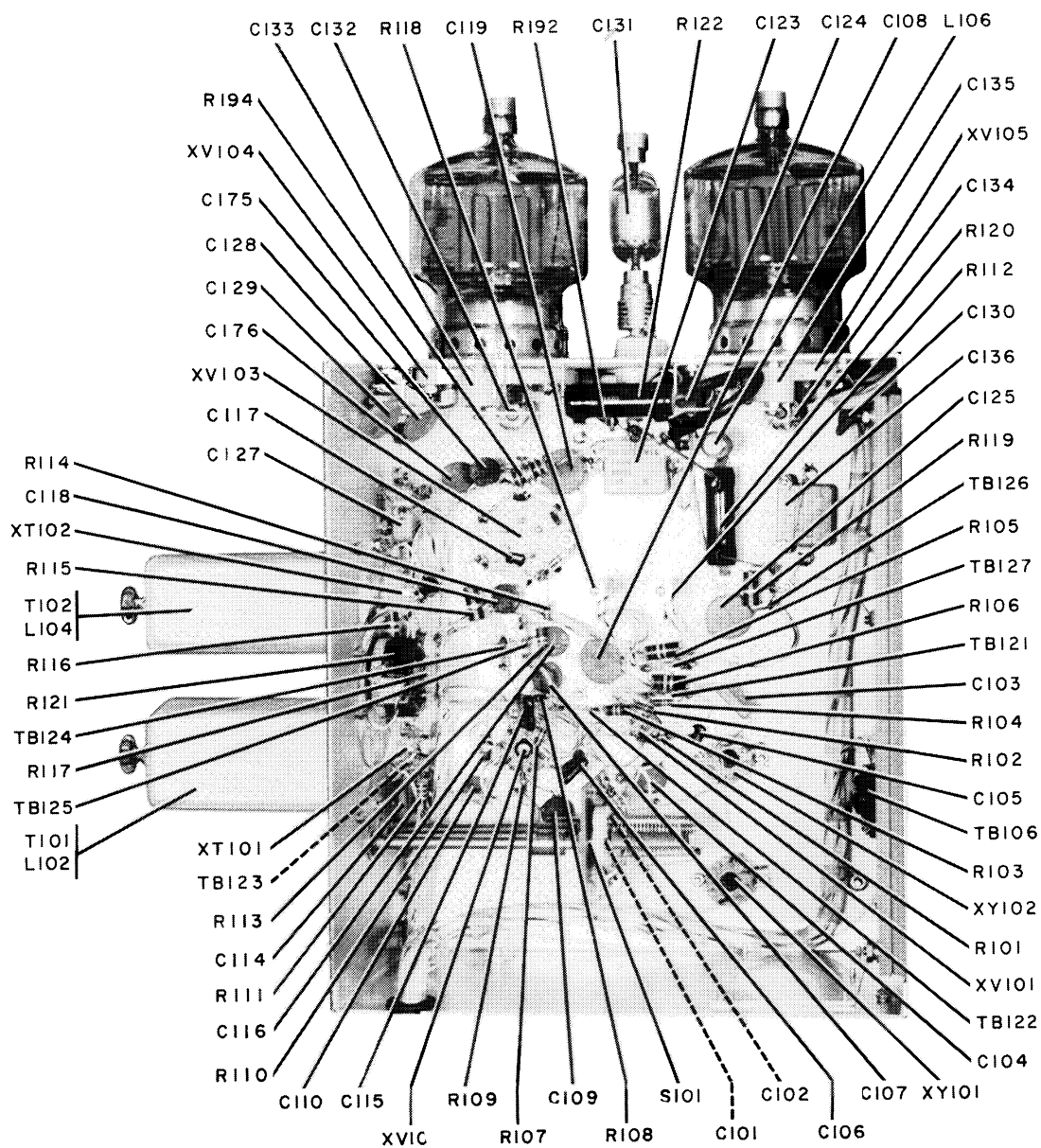


Figure 6-6. R-F Chassis, Inside View

SECTION VI
Parts List

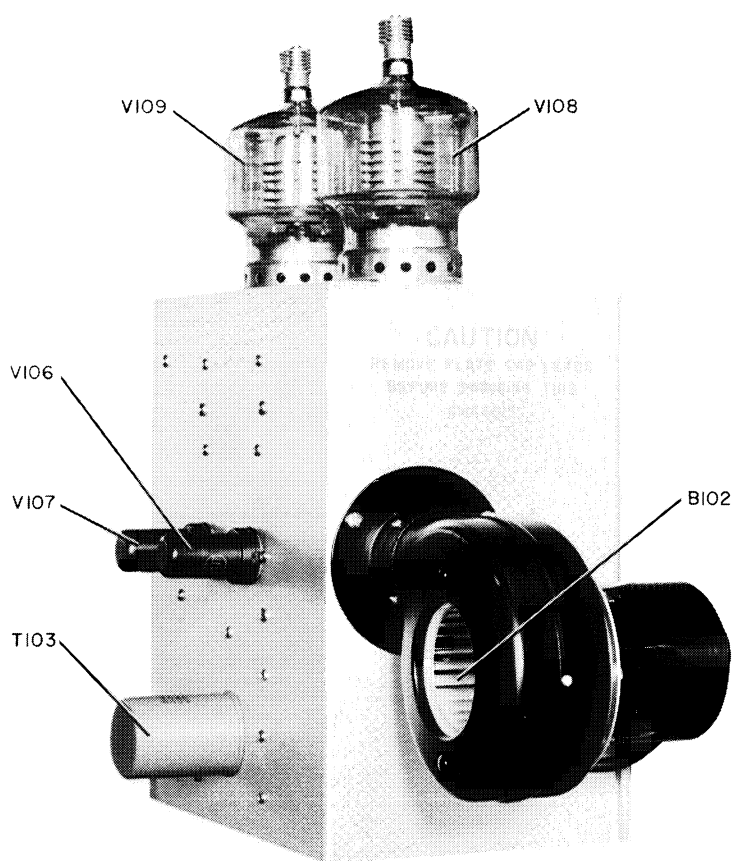


Figure 6-7. Audio Chassis, Outside View

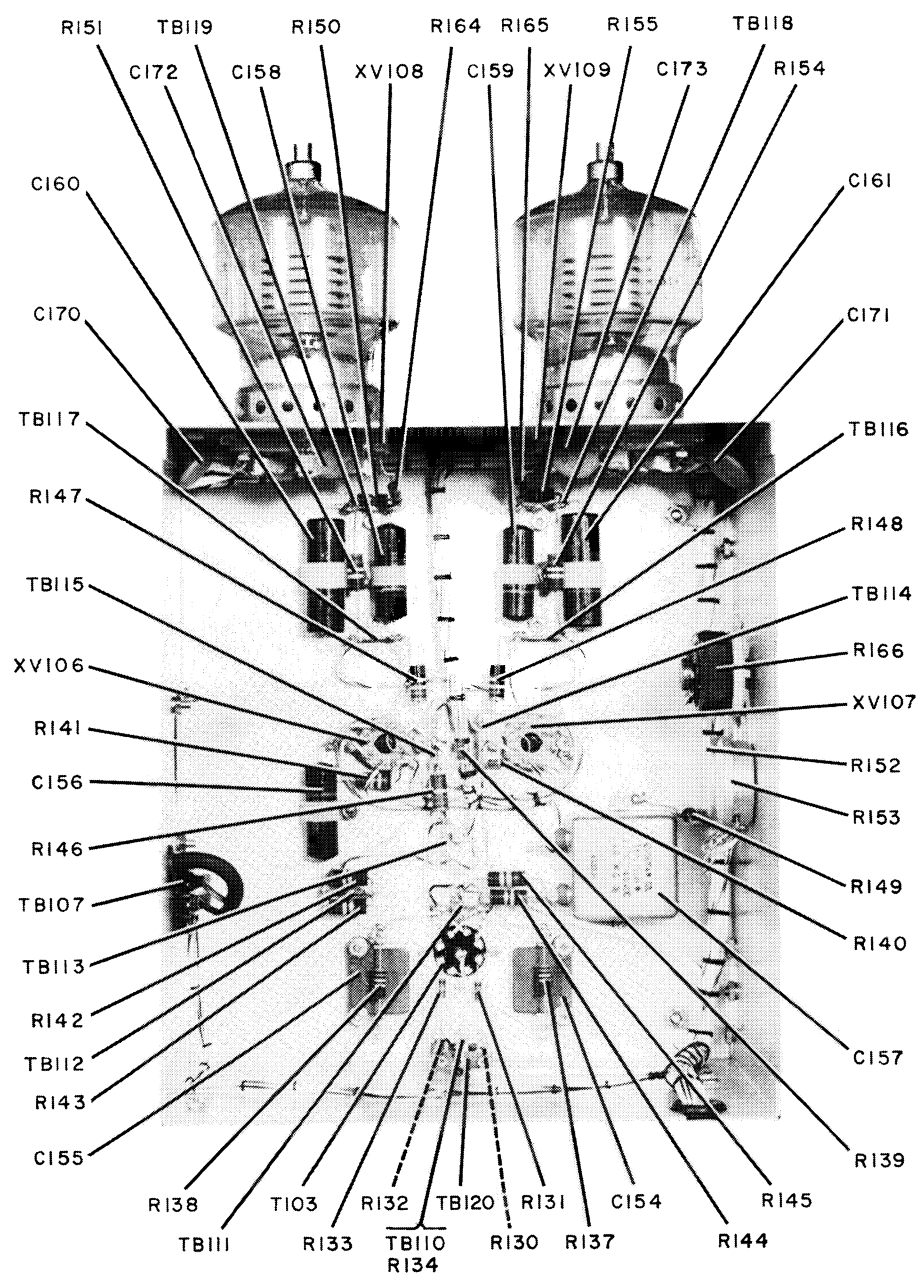


Figure 6-8. Audio Chassis, Inside View

SECTION VI
Parts List

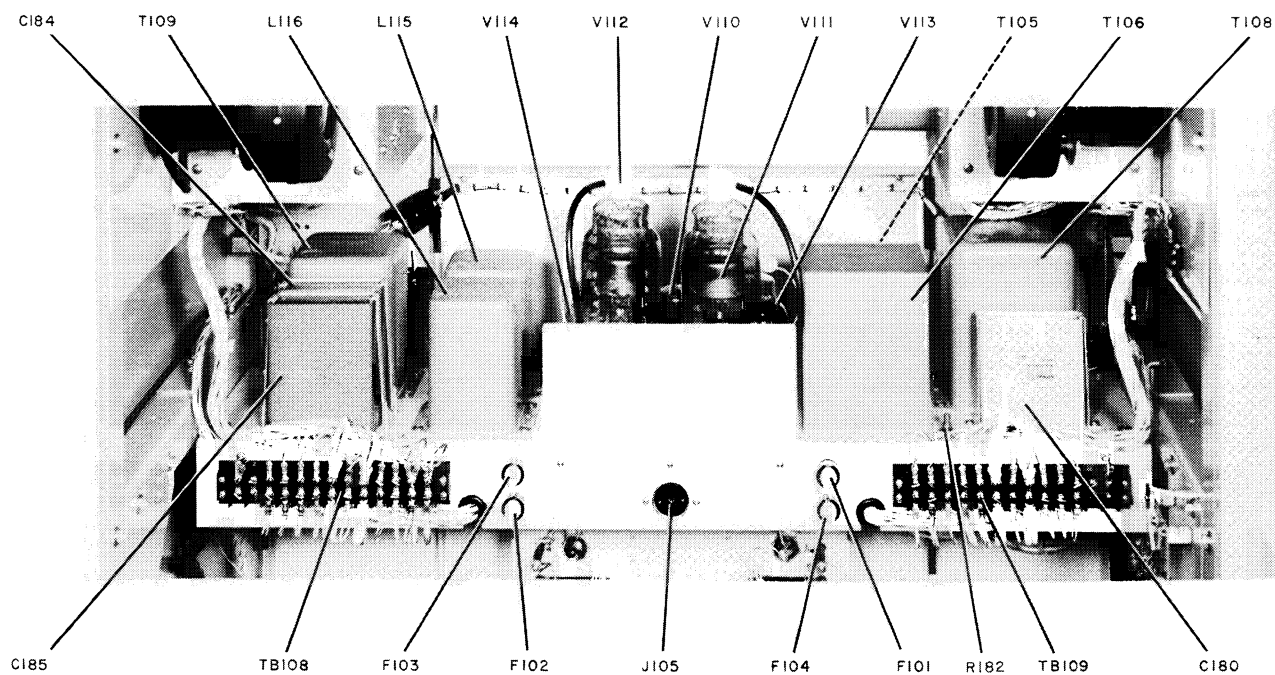


Figure 6-9. Power Supply Chassis, Top Rear View

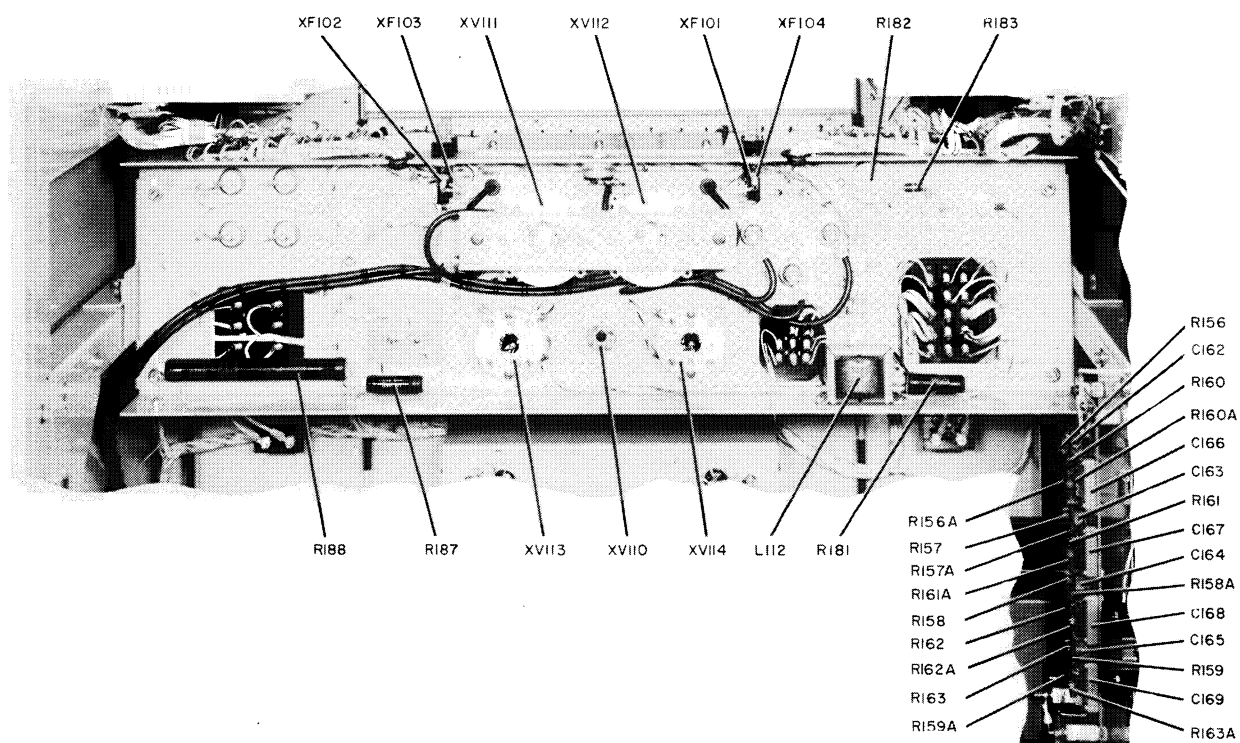


Figure 6-10. Power Supply Chassis, Bottom View