

SECTION VI

PARTS LIST

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
TRANSCEIVER 32MS-1A		522-2425-00
B1	MOTOR: 12 v dc, 10 rpm; 2 in. lbs continuous duty capacity, 5 in. lb intermittent with gear train	230-0403-00
B2	MOTOR: 28 v dc	230-0273-00
C1	CAPACITOR, FIXED, ELECTROLYTIC: 150 uf, -10% +100%, 50 v dc	183-1564-00
C2	CAPACITOR, FIXED, ELECTROLYTIC: 1500 uf, -10% +40%, 50 v dc	183-1405-00
C3	CAPACITOR, FIXED, CERAMIC: 0.001 uf, $\pm 20\%$ 1000 v dc	913-3742-00
C4 thru C8	CAPACITOR, FIXED, CERAMIC: same as C3	913-3742-00
C9	CAPACITOR, FIXED, ELECTROLYTIC: 10 uf, -15% +50%, 250 v dc	183-1046-00
C10	CAPACITOR, FIXED, ELECTROLYTIC: 10 uf, -10% +100%, 150 v dc	183-1040-00
C11	CAPACITOR, FIXED, ELECTROLYTIC: 60 uf, +100% -10%, 350 v dc	183-1772-00
C12	CAPACITOR, DUAL: 60-30 uf, 350 v dc, electrolytic	183-1489-00
C13	CAPACITOR, FIXED, CERAMIC: 0.05 uf, +80%, -20%, 500 v dc	913-3153-00
C14	CAPACITOR, FIXED, ELECTROLYTIC: 3 sections, 15 uf, 15 uf, 10 uf, -10% +50%, 450 v dc	183-1091-00
C15	CAPACITOR, FIXED, CERAMIC: 1000 uuf, +100% -20%, 500 v dc	913-3009-00
C16 thu C23	CAPACITOR, FIXED, ELECTROLYTIC: same as C11	183-1772-00
C24	CAPACITOR, FIXED, PAPER: 0.1 uf, $\pm 10\%$, 400 v dc	931-0299-00
C25	CAPACITOR, FIXED, ELECTROLYTIC: 25 uf, -10% +100%, 50 v dc	183-1037-00
C26	CAPACITOR, FIXED, ELECTROLYTIC: same as C14	183-1091-00
C27	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C28	CAPACITOR, FIXED, CERAMIC: 10,000 uuf, +100%, -20% 500 v dc	913-3013-00
C29	CAPACITOR, FIXED, MICA: 39 uuf, $\pm 2\%$, 500 v dc	912-0463-00
*C29	CAPACITOR, FIXED, MICA: 68 uuf, $\pm 10\%$, 500 v dc	912-0483-00
*C29	CAPACITOR, FIXED, MICA: 100 uuf, $\pm 10\%$, 500 v dc	912-0495-00
*C29;	CAPACITOR, FIXED, MICA: 130 uuf, $\pm 10\%$, 500 v dc	912-0504-00
*C29	CAPACITOR, FIXED, MICA: 160 uuf, $\pm 10\%$, 500 v dc	912-0510-00
*C29	CAPACITOR, FIXED, MICA: 200 uuf, $\pm 10\%$, 500 v dc	912-0516-00
C30	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C31	CAPACITOR, FIXED, MICA: same as *C29	912-0495-00
C32	CAPACITOR, FIXED, MICA: 330 uuf, $\pm 10\%$, 500 v dc	912-0531-00
C33	CAPACITOR, FIXED, MICA: 22 uuf, $\pm 10\%$, 500 v dc	912-0447-00
C34	CAPACITOR, FIXED, MICA: 510 uuf, $\pm 10\%$, 300 v dc	912-0546-00
C35	CAPACITOR, FIXED, CERAMIC: 0.02 uf, +100% -20%, 500 v dc	913-4364-00
*	Chosen for operational requirement.	

ITEM	DESCRIPTION	COLLINS PART NUMBER
C36 thru C38	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C39	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C40	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C41	CAPACITOR, FIXED, CERAMIC: 0.02 uf, +100% -20%, 500 v dc	913-2142-00
C42	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C43	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C44	CAPACITOR, FIXED, ELECTROLYTIC: 25 uf -10% +100%, 25 v dc	183-1034-00
C45	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C46	CAPACITOR, FIXED, CERAMIC: same as C41	913-2142-00
C47	CAPACITOR, VARIABLE, CERAMIC: 8 to 75 uuf, 350 v dc	917-1075-00
C48	CAPACITOR, FIXED, MICA: 150 uuf, $\pm 2\%$, 500 v dc	912-0505-00
C49	CAPACITOR, FIXED, MICA: 30 uuf, $\pm 2\%$, 500 v dc	912-0454-00
C50	CAPACITOR, VARIABLE, CERAMIC: same as C47	917-1075-00
C51	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C52	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C53	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C54	CAPACITOR, FIXED, CERAMIC: same as C41	913-2142-00
C55	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C56	CAPACITOR, FIXED, CERAMIC: 6.0 uuf, $\pm 1/4$ uuf, 500 v dc	916-0121-00
C57	CAPACITOR, FIXED MICA: same as C34	912-0546-00
C58	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C59	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C60	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C61	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C62	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C63	CAPACITOR, FIXED, MICA: same as C34	912-0546-00
C64	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C65	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C66	CAPACITOR, FIXED, CERAMIC: 2.0 uuf, $\pm 1/4$ uuf, 500 v dc	916-0075-00
C67	CAPACITOR, FIXED, MICA: 10 uuf, $\pm 10\%$, 500 v dc	912-0432-00
C68	CAPACITOR, FIXED, CERAMIC: same as C41	913-2142-00
C69	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C70	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C71	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C72	CAPACITOR, FIXED, MICA: same as C67	912-0432-00
C73	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C74	CAPACITOR, FIXED, CERAMIC: same as C41	913-2142-00
C75	CAPACITOR, FIXED, CERAMIC: 4700 uuf, +100% -20%, 500 v dc	913-1187-00
C76	CAPACITOR, FIXED, MICA: 68 uuf, $\pm 10\%$, 500 v dc	912-0483-00
*C76	CAPACITOR, FIXED, MICA: 47 uuf, $\pm 10\%$, 500 v dc	912-0471-00
*C76	CAPACITOR, FIXED, MICA: 82 uuf, $\pm 10\%$, 500 v dc	912-0489-00
C77	CAPACITOR, FIXED, MICA: same as C31	912-0495-00
C78	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00

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C79	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C80	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C81	CAPACITOR, FIXED, MICA: same as C67	912-0432-00
C82	CAPACITOR, FIXED, CERAMIC: 4700 uuf, +100%	913-3012-00
thru	-20%, 500 v dc	
C85		
C86	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C87	CAPACITOR, VARIABLE, CERAMIC: same as C47	917-1075-00
C88	CAPACITOR, FIXED, CERAMIC: same as C82	913-3012-00
C89	CAPACITOR, FIXED, MICA: same as C67	912-0432-00
C90	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C91	CAPACITOR, VARIABLE, AIR, DIELECTRIC: 3.6 uuf min, 30.0 uuf max. 28 plates; 860 v ac, 60 cps	922-0038-00
C92	CAPACITOR, VARIABLE, AIR: same as C91	922-0038-00
C93	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C94	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C95	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C96	CAPACITOR, VARIABLE, AIR: same as C91	922-0038-00
C97	CAPACITOR, VARIABLE, AIR: same as C91	922-0038-00
C98	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C99	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C100	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C101	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C102	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C103	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C104	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C105	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C106	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C107	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C108	CAPACITOR, VARIABLE, CERAMIC: 5 uuf min 37.5 uuf max 350 v dc	917-1073-00
C109	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C110	CAPACITOR, FIXED, MICA: 100 uuf, $\pm 10\%$, 500 v dc	912-0495-00
C111	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C112	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C113	CAPACITOR, VARIABLE, CERAMIC: 3 uuf min. 18 uuf max, 350 v dc	917-1072-00
C114	CAPACITOR, FIXED, MICA: 5 uuf, $\pm 10\%$, 500 v dc	912-0429-00
C115	CAPACITOR, FIXED, MICA: 51 uuf, $\pm 2\%$, 500 v dc	912-0472-00
C116	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
thru		
C118		
C119	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C120	CAPACITOR, FIXED, MICA: same as C34	912-0546-00
C121	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C122	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C123	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C124	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C125	CAPACITOR, FIXED, PAPER: 0.05 uf, +30% -10%, 600 v dc	931-0199-00
C126	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00

ITEM	DESCRIPTION	COLLINS PART NUMBER
C127	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C128	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C129	CAPACITOR, FIXED, MICA: 47 uuf, $\pm 2\%$, 500 v dc	912-0469-00
C130	CAPACITOR, FIXED, PAPER: 0.5 uf, $+20\%$ -10% 200 v dc	931-0169-00
C131	CAPACITOR, FIXED, PAPER: same as C130	931-0169-00
C132	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C133	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C134	CAPACITOR, FIXED, MICA: same as C34	912-0546-00
C135	CAPACITOR, FIXED, MICA: same as C31	912-0495-00
C136	CAPACITOR, FIXED, MICA: same as C115	912-0472-00
C137	CAPACITOR, VARIABLE, CERAMIC: same as C108	917-1073-00
C138	CAPACITOR, FIXED, CERAMIC: 100 uuf, $\pm 20\%$ 50 v dc	913-3550-00
C139	CAPACITOR, FIXED, MICA: same as C67	912-0432-00
C140	CAPACITOR, FIXED, CERAMIC: 5000 uuf, $+80\%$ -20%, 50 v dc	913-3549-00
C141	CAPACITOR, VARIABLE, CERAMIC: same as C47	917-1075-00
C142	CAPACITOR, FIXED, MICA: same as C129	912-0469-00
C143	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C144	CAPACITOR, FIXED, CERAMIC: same as C82	913-3012-00
C145	CAPACITOR, FIXED, CERAMIC: same as C82	913-3012-00
C146	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C147	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C148	CAPACITOR, FIXED, MICA: same as C114	912-0429-00
C149	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C150	CAPACITOR, FIXED, MICA: same as C34	912-0546-00
C151	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C152	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C153	CAPACITOR, FIXED, CERAMIC: 10 uuf, $\pm 10\%$ 500 v dc	913-0972-00
C154	CAPACITOR, FIXED, CERAMIC: 2000 uuf, $\pm 20\%$ 2000 v dc	913-3571-00
C155	CAPACITOR, FIXED, CERAMIC: same as C154	913-3571-00
C156	CAPACITOR, VARIABLE, CERAMIC: same as C108	917-1073-00
C157	CAPACITOR, FIXED, CERAMIC: same as C153	913-0972-00
C158	CAPACITOR, FIXED, CERAMIC: same as C154	913-3571-00
C159	CAPACITOR, FIXED, PAPER: 0.22 uf, $\pm 10\%$, 400 v dc	931-0303-00
C160	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C161	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C162	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C163	CAPACITOR, FIXED, MICA: 1000 uuf, $\pm 5\%$, 500 v dc	912-3001-00
C164	CAPACITOR, FIXED, MICA: same as C67	912-0432-00
C165	CAPACITOR, FIXED, MICA: same as C48	912-0505-00
C166	CAPACITOR, FIXED, CERAMIC: same as C138	913-3550-00
C167	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
C168	CAPACITOR, FIXED, MICA: 33 uuf, $\pm 10\%$, 500 v dc	912-0459-00
C169	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C170	CAPACITOR, FIXED, CERAMIC: same as C15	913-3009-00
C171	CAPACITOR, FIXED, MICA: 1800 uuf, $\pm 5\%$, 500 v dc	912-3019-00
C172	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00

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ITEM	DESCRIPTION	COLLINS PART NUMBER
C173	CAPACITOR, FIXED, CERAMIC: same as C13	913-3153-00
C174	CAPACITOR, FIXED, ELECTROLYTIC: 25 uf	044-4345-00
C175	CAPACITOR, FIXED, CERAMIC: same as C35	913-4364-00
thru C184		
C185	CAPACITOR, FIXED, CERAMIC: same as C28	913-3013-00
C186	CAPACITOR, FIXED, CERAMIC: 3000 uuf +22% -56% 1000 v dc	913-3189-00
C187	CAPACITOR, FIXED, CERAMIC: same as C186	913-3189-00
CR1	SEMICONDUCTOR DEVICE, DIODE: silicon; General Electric Co. part no. 1N1695	353-1665-00
CR2	SEMICONDUCTOR DEVICE, DIODE: silicon; General Electric Co. part no. 1N1492	353-1661-00
CR3	SEMICONDUCTOR DEVICE, DIODE: same as CR2	
thru CR7		
CR8	SEMICONDUCTOR DEVICE, DIODE: silicon; 1N457	353-0204-00
CR9	SEMICONDUCTOR DEVICE, DIODE: silicon; Motorola part no. 1N1487	353-1662-00
CR10	SEMICONDUCTOR DEVICE, DIODE: same as CR9	353-1662-00
CR11	SEMICONDUCTOR DEVICE, DIODE: 1N34KS	353-2780-00
CR12	SEMICONDUCTOR DEVICE, DIODE: same as CR11	353-2780-00
CR13	SEMICONDUCTOR DEVICE, DIODE: germanium; Hughes Aircraft Co. part no. 1N67A	353-0147-00
CR14	SEMICONDUCTOR DEVICE, DIODE: same as CR13	353-0147-00
CR15	SEMICONDUCTOR DEVICE, DIODE: same as CR13	353-0147-00
CR16	SEMICONDUCTOR DEVICE, DIODE: same as CR13	353-0147-00
CR17	SEMICONDUCTOR DEVICE, DIODE: same as CR11	353-2780-00
thru CR19		
CR20	SEMICONDUCTOR DEVICE, DIODE: same as CR8	353-0204-00
CR21	SEMICONDUCTOR DEVICE, DIODE: same as CR8	353-0204-00
→ CR22	DIODE: 1N540	353-1546-00
DS1	LAMP: molded in red plastic holder, 24 to 28v; Eldema p/n B2C-6801-6	262-1711-00
DS2	LAMP: same as DS1	262-1711-00
DS3	LAMP: same as DS1	262-1711-00
E1	TERMINAL, STANDOFF: brass, 1/4 in hex by 5/8 in. lg; tapped 4-40 5/32 in. deep one end	306-0976-00
E2	TERMINAL STANDOFF: same as E1	306-0976-00
thru E4		
E5	NOT USED	
E6	NOT USED	
E7	SUPPRESSOR ASSEMBLY, PARASITIC: 5 turns no. 18 AWG wire around 47 ohm, 2 w resistor	543-7374-00
E8	NOT USED	
E9	TERMINAL STANDOFF: same as E1	306-0976-00
E10	TERMINAL STANDOFF: same as E1	306-0976-00

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Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
F1	FUSE, CATRIDGE: glass enclosed, time lag, 1/16 amp rating, 250 max volt; 1-1/4 in. lg by 0.250 in. dia	264-0289-00
FL1	FILTER, BANDPASS: 453.2 kc operating frequency 451.85 to 454.55 kc bandwidth, 27,000 ohms input and output; 7/16 in. dial by 2-1/2 in lg. F455Z-5	526-9365-00
HR1	CRYSTAL OVEN: will hold 2 crystals, stability ± 1 PPM	292-0227-00
HR2	CRYSTAL OVEN: same as HR1	292-0227-00
HR3	CRYSTAL OVEN: same as HR1	292-0227-00
J1	JACK, TELEPHONE: steel, panel mtg. 5/8 in od by 27/32 in. lg	360-0195-00
J2 thru J4	JACK TELEPHONE: same as J1	360-0195-00
J5	CONNECTOR, RECEPTACLE, ELECTRICAL: 18 pin; Howard B. Jones part no. S-318-EB	365-0027-00
J6	CONNECTOR, RECEPTACLE, ELECTRICAL: 15 pin; Howard B. Jones part no. S-315-EB	365-0026-00
J7	CONNECTOR, PLUG, ELECTRICAL: phenolic, 8 pin contacts, panel mtg. 15 amps	365-0025-00
J8	CONNECTOR, RECEPTACLE, ELECTRICAL: 27 pin; Howard B. Jones part no. S-327-EB	365-0021-00
J9	CONNECTOR, RECEPTACLE, ELECTRICAL: 15 flat female contacts, 5 amps; straight shape	372-1583-00
K1	JACK TIP: accommodates standard banana contact RELAY, ARMATURE: 2A, 2C, 250 v dc at 50 ma or 115 v ac at 300 ma; coil 84 v dc, 6 ma, 14,000 ohms	360-2020-00 972-1353-00
K2	RELAY, ARMATURE: 4C contact arrangement, 3 amps at 30 v dc or 115 v ac, noninductive, 115 v ac nom coil voltage; 10,000 ohms $\pm 20\%$ coil resistance	972-1346-00
K3	RELAY, ARMATURE: 4C contact arrangement, 3 amps at 30 v dc or 115 v ac, noninductive, 115 v ac nom coil voltage, 10,000 ohms $\pm 20\%$ coil resistance	972-1346-00
K4	RELAY, ARMATURE: 3 amps at 30 v dc or 115 v ac resistive; max coil voltage 18 v dc, resistance 60 ohms, $\pm 20\%$	970-2129-00
K5	RELAY, ARMATURE: same as K4	970-2129-00
K6	RELAY, ARMATURE: 3 amps at 30 v dc or 115 v ac resistive; max coil voltage 18 v dc; resistance 60 ohms, $\pm 20\%$	970-2128-00
L1	REACTOR: fixed inductive type; 0.75 henrys, 210 ma dc, 25 ohms max dc resistance, exposed core and coil; 2 in. w by 3-1/4 in. lg	668-0270-00
L2	REACTOR: same as L1	668-0270-00
L3	COIL, RADIO FREQUENCY: 3 universal wound pi sections 75 turns ea; #36 AWG copper wire; powdered iron coil form; 220 uh inductance, 0.1 amp	240-0037-00

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ITEM	DESCRIPTION	COLLINS PART NUMBER
L4	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L5	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L6	COIL, RADIO FREQUENCY: multiple-pi dualateral wound on ceramic form, 5 sections, 6 mh, 21 ohms dc resistance	240-5900-00
L7	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L8	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L9	COIL, RADIO FREQUENCY: same as L3	240-0037-00
C10	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L11	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L12	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L13	COIL, RADIO FREQUENCY: same as L3	240-0037-00
L14	COIL, RADIO FREQUENCY: same as L3	240-0037-00
M1	AMMETER: panel type, dc, microamperes 0-200 range, scale reading 0-200 w, linear, scale divisions increments of 10, 1.600 by 0.965 by 2.260 solder lug terminals	458-0407-00
MP1	BEARING, SLEEVE: bronze; 0.2505 in. max id, 0.377 in. max od, 0.380 in. max lg	309-0029-00
MP2	BEARING, SLEEVE: bronze; flanged; 0.1885 in. max id, 0.3595 in. max od, 0.130 in. max lg	309-0124-00
MP3	BEARING, BALL: 1/4 id; Heim Co. part no. RF4-11-B	309-1063-00
MP4	BEARING, SLEEVE: bronze; flanged; 0.359 in. dia by 0.1094 in. w	309-1484-00
MP5	PULLEY, FLAT IDLER, PRESSED: aluminum; grooved; 1 in. od by 0.375 in. w; incls 1 bearing	547-3953-00
MP6	SHAFT, SHOULDERED SPROCKET: CRES; 0.248 in. dia by 1 in. lg; one end slotted, one end chamfered	547-3932-00
MP7	SHAFT, STRAIGHT SWITCH: glass base, melamine, grooved; 0.250 in. dia by 15-1/8 in lg	547-3972-00
P1	CONNECTOR: BNC	357-9292-00
P2	CONNECTOR: BNC-Right angle	357-9169-00
R1	RESISTOR, FIXED, WIREWOUND: 4000 ohms, — ±5%, 5 w	747-5504-00
R2	RESISTOR, FIXED COMPOSITION: 3900 ohms, — ±10%, 2 w	745-5670-00
R3	RESISTOR, VARIABLE, WIREWOUND: 2500 ohms, — 2 w	377-0309-00
R4	RESISTOR, VARIABLE, WIREWOUND: 1000 ohms, — 2 w	377-0308-00
R5	RESISTOR, FIXED, COMPOSITION: 4700 ohms, — ±10%, 2 w	745-5680-00
R6	RESISTOR, FIXED, COMPOSITION: 40 ohms, ±5% — 5 w	747-5432-00
R7	RESISTOR, FIXED, COMPOSITION: 10 ohms, — ±10%, 2 w	745-5568-00
R8	RESISTOR, FIXED, WIREWOUND: 27,000 ohms, ±10%, 25 w	710-0376-00
R9-	RESISTOR, FIXED, WIREWOUND: 31 ohms, ±5% — 2-1/2 w at 275°C operating temp	747-5430-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
R10	RESISTOR, FIXED, COMPOSITION: 220,000 ohms, $\pm 10\%$, 1 w	745-3450-00
R11 thru R17	RESISTOR, FIXED, COMPOSITION: same as R10	745-3450-00
R18	NOT USED	
R19	RESISTOR, FIXED, COMPOSITION: 33 ohms, $\pm 10\%$, 2 w	745-5589-00
R20	RESISTOR, FIXED, COMPOSITION: 100 ohms, $\pm 10\%$, 2 w	745-5610-00
R21	RESISTOR, FIXED, COMPOSITION: 680 ohms, $\pm 10\%$, 1/2 w	745-1345-00
R22	RESISTOR, FIXED, COMPOSITION: 4700 ohms, $\pm 10\%$, 1/2 w	745-1380-00
R23	RESISTOR, FIXED, COMPOSITION: 3300 ohms, $\pm 10\%$, 1/2 w	745-1373-00
R24	RESISTOR, FIXED, COMPOSITION: 0.10 megohms, $\pm 10\%$, 1/2 w	745-1436-00
R25	RESISTOR, FIXED, COMPOSITION: same as R23	745-1373-00
R26	RESISTOR, FIXED, COMPOSITION: 68 ohms, $\pm 10\%$, 1/2 w	745-1303-00
R27	RESISTOR, FIXED, COMPOSITION: same as R26	745-1303-00
R28	RESISTOR, FIXED, COMPOSITION: 47,000 ohms, $\pm 10\%$, 1 w	745-3422-00
R29	RESISTOR, FIXED, WIREWOUND, 10 ohms 2-1/2 w	747-5320-00
R30	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R31	RESISTOR, VARIABLE, COMPOSITION: 100,000 ohms, $\pm 20\%$, 0.2 w	376-4622-00
R32	RESISTOR, FIXED, COMPOSITION: 47,000 ohms, $\pm 10\%$, 1/2 w	745-1422-00
R33	RESISTOR, FIXED, COMPOSITION: 68,000 ohms, $\pm 10\%$, 1 w	745-3429-00
R34	RESISTOR, FIXED, COMPOSITION: 820 ohms, $\pm 10\%$, 1/2-w	745-1349-00
R35	RESISTOR, FIXED, COMPOSITION: 2200 ohms, $\pm 10\%$, 1/2 w	745-1366-00
R36	RESISTOR, FIXED, COMPOSITION: 0.56 megohms, $\pm 10\%$, 1/2 w	745-1468-00
R37	RESISTOR, FIXED COMPOSITION: same as R24	745-1436-00
R38	RESISTOR, FIXED COMPOSITION: same as R24	745-1436-00
R39	RESISTOR, FIXED COMPOSITION: same as R26	745-1303-00
R40	RESISTOR, VARIABLE, COMPOSITION: 250 ohms, $\pm 30\%$, 0.2 w	376-4600-00
R41	RESISTOR, FIXED, COMPOSITION: same as R26	745-1303-00
R42	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R43	RESISTOR, FIXED, COMPOSITION: 0.22 megohms, $\pm 10\%$, 1/2 w	745-1450-006
R44 thru R47	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R48	RESISTOR, FIXED, COMPOSITION: same as R21	745-1345-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
R49	RESISTOR, FIXED, COMPOSITION: 2.2 megohms ±10%, 1/2 w	745-1492-00
R50	RESISTOR, FIXED, COMPOSITION: same as R28	745-3422-00
R51	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R52	RESISTOR, FIXED, COMPOSITION: 27,000 ohms, ±10%, 1/2 w	745-1412-00
R53	RESISTOR, FIXED, COMPOSITION: 1000 ohms, ±10%, 1/2 w	745-1352-00
R54	RESISTOR, FIXED, COMPOSITION: same as R21	745-1345-00
R55	RESISTOR, FIXED, COMPOSITION: 10,000 ohms, ±10%, 1/2 w	745-1394-00
R56	RESISTOR, FIXED, COMPOSITION: 5600 ohms, ±10%, 2 w	745-5684-00
R57	RESISTOR, FIXED, COMPOSITION: 22,000 ohms, ±10%, 1 w	745-3408-00
R58	RESISTOR, FIXED, COMPOSITION: same as R21	745-1345-00
R59	RESISTOR, FIXED, COMPOSITION: same as R36	745-1468-00
R60	RESISTOR, FIXED, COMPOSITION: same as R36	745-1468-00
R61	RESISTOR, VARIABLE, COMPOSITION: 1 megohm, 1/2 w, 5 C Log Taper	376-4627-00
R62	RESISTOR, FIXED, COMPOSITION: same as R32	745-1422-00
R63	RESISTOR, FIXED, COMPOSITION: 22K 2 w	745-5708-00
R64	RESISTOR, FIXED, COMPOSITION: 120 ohms, ±10%, 1/2 w	745-1314-00
R65	RESISTOR, FIXED, COMPOSITION: 470 ohms, ±10%, 1/2 w	745-1338-00
R66	RESISTOR, VARIABLE, COMPOSITION: 1000 ohms, ±30%, 0.2 w	376-4601-00
R67	RESISTOR, FIXED, COMPOSITION: same as R65	745-1338-00
R68	RESISTOR, FIXED, COMPOSITION: same as R53	745-1352-00
R69	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R70	RESISTOR, FIXED, COMPOSITION: same as R36	745-1468-00
R71	RESISTOR, FIXED, COMPOSITION: 0.15 megohms, ±10%, 1/2 w	745-1443-00
R72	RESISTOR, FIXED, COMPOSITION: same as R57	745-3408-00
R73	RESISTOR, FIXED, COMPOSITION: same as R53	745-1352-00
R74	RESISTOR, FIXED, COMPOSITION: same as R53	745-1352-00
R75	RESISTOR, FIXED, COMPOSITION: same as R26	745-1303-00
R76	RESISTOR, FIXED, COMPOSITION: same as R36	745-1468-00
R77	RESISTOR, FIXED, COMPOSITION: same as R28	745-3422-00
R78	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R79	RESISTOR, FIXED, COMPOSITION: 180 ohms, ±10%, 1/2 w	745-1321-00
R80	RESISTOR, FIXED, COMPOSITION: 82 ohms, ±10%, 1/2 w	745-1307-00
R81	RESISTOR, FIXED, COMPOSITION: same as R40	376-4600-00
R82	RESISTOR, FIXED, COMPOSITION: same as R56	745-5684-00
R83	RESISTOR, FIXED, COMPOSITION: same as R28	745-3422-00
R84	RESISTOR, FIXED, COMPOSITION: same as R26	745-1303-00
R85	RESISTOR, FIXED, COMPOSITION: same as R36	745-1468-00
R86	RESISTOR, FIXED, COMPOSITION: 470 ohms, ±10%, 2 w	745-5638-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
R87	RESISTOR, FIXED, COMPOSITION: 0.18 megohms, ±10%, 1/2 w	745-1447-00
R88	RESISTOR, FIXED, COMPOSITION: same as R55	745-1394-00
R89	RESISTOR, FIXED, COMPOSITION: same as R28	745-3422-00
R90	RESISTOR, FIXED, COMPOSITION: same as R53	745-1352-00
R91	RESISTOR, FIXED, COMPOSITION: same as R34	745-1349-00
R92	RESISTOR, FIXED, COMPOSITION: same as R35	745-1366-00
R93	RESISTOR, FIXED, COMPOSITION: 22,000 ohms, ±10%, 1/2 w	745-1408-00
R94	RESISTOR, FIXED, COMPOSITION: same as R26	745-1303-00
R95	RESISTOR, FIXED, COMPOSITION: same as R34	745-1349-00
R96	RESISTOR, FIXED, COMPOSITION: same as R32	745-1422-00
R97	RESISTOR, FIXED, COMPOSITION: 39,000 ohms, ±10%, 2 w	745-5719-00
R98	RESISTOR, FIXED, COMPOSITION: 56,000 ohms, ±10%, 1 w	745-3426-00
R99	RESISTOR, FIXED, COMPOSITION: same as R97	745-5712-00
R100	RESISTOR, FIXED, COMPOSITION: same as R55	745-1394-00
R101	RESISTOR, FIXED, COMPOSITION: same as R26	745-1303-00
R102	RESISTOR, FIXED, COMPOSITION: same as R93	745-1408-00
R103	RESISTOR, FIXED, COMPOSITION: same as R35	745-1366-00
R104	RESISTOR, FIXED, COMPOSITION: 0.10 megohms, ±10%, 2 w	745-5736-00
R105	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R106	RESISTOR, FIXED, COMPOSITION: 0.47 megohms, ±10%, 1/2 w	745-1464-00
R107	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R108	RESISTOR, FIXED, COMPOSITION: 15,000 ohms, ±10%, 2 w	745-5701-00
R109	RESISTOR, FIXED, COMPOSITION: same as R108	745-5701-00
R110	RESISTOR, VARIABLE, COMPOSITION: 2500 ohms, ±30%, 0.2 w	376-4628-00
R111 thru R113	RESISTOR, VARIABLE: same as R110	376-4628-00
R114	RESISTOR, FIXED, COMPOSITION: same as R49	745-1492-00
R115	RESISTOR, FIXED, COMPOSITION: 220 ohms, ±10%, 1/2 w	745-1324-00
R116	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R117	RESISTOR, FIXED, COMPOSITION: same as R28	745-3422-00
R118	RESISTOR, FIXED, COMPOSITION: same as R57	745-3408-00
R119	RESISTOR, FIXED, COMPOSITION: same as R35	745-1366-00
R120	RESISTOR, FIXED, COMPOSITION: 4700 ohms, ±10%, 1 w	745-3380-00
R121	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R122	RESISTOR, FIXED, COMPOSITION: 2700 ohms, ±10%, 1/2 w	745-1370-00
R123	RESISTOR, FIXED, COMPOSITION: 5600 ohms, ±10%, 1/2 w	745-1384-00
R124	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
R125	RESISTOR, FIXED, COMPOSITION: 1.5 megohms, $\pm 10\%$, 1/2 w	745-1485-00
R126	RESISTOR, FIXED, COMPOSITION: same as R49	745-1492-00
R127	RESISTOR, FIXED, COMPOSITION: 27,000 ohms, $\pm 10\%$, 1 w	745-3412-00
R128	RESISTOR, FIXED, COMPOSITION: same as R32	745-1422-00
R129	RESISTOR, FIXED, FILM: 8.2 megohms, 1/2 watts $\pm 5\%$	745-1516-00
R130	RESISTOR, FIXED, COMPOSITION: 33,000 ohms, $\pm 10\%$, 1/2 w	745-1415-00
R131	RESISTOR, FIXED, COMPOSITION: 3900 ohms, $\pm 10\%$, 1/2 w	745-1377-00
R132	RESISTOR, FIXED, COMPOSITION: 68,000 ohms, $\pm 10\%$, 1/2 w	745-1429-00
R133	RESISTOR, VARIABLE, COMPOSITION: 25,000 ohms, $\pm 20\%$, 0.02 w	376-4610-00
R134	RESISTOR, FIXED, COMPOSITION: same as R106	745-1464-00
R135	RESISTOR, FIXED, COMPOSITION: same as R106	745-1464-00
R136	RESISTOR, FIXED, COMPOSITION: same as R106	745-1464-00
R137	RESISTOR, FIXED, COMPOSITION: same as R106	745-1464-00
R138	RESISTOR, FIXED, FILM: 3830 ohms, $\pm 1\%$, 1/4 w	705-7124-00
R139	RESISTOR, FIXED, WIREWOUND: 3.21 ohms, $\pm 1\%$, 2 w	747-9621-00
R140	RESISTOR, FIXED, COMPOSITION: same as R24	745-1436-00
R141	RESISTOR, FIXED, COMPOSITION: same as R49	745-1492-00
R142	RESISTOR, FIXED, COMPOSITION: same as R52	745-1412-00
R143	RESISTOR, FIXED, COMPOSITION: 56,000 ohms, $\pm 10\%$, 2 w	745-5726-00
R144	RESISTOR, FIXED, COMPOSITION: 220 ohms, $\pm 10\%$, 1/2 w	745-1324-00
R145	RESISTOR, FIXED, COMPOSITION: 56,000 ohms, $\pm 10\%$, 1/2 w	745-1426-00
R146	RESISTOR, FIXED, COMPOSITION: same as R106	745-1464-00
R147	RESISTOR, FIXED, COMPOSITION: same as R6	747-5432-00
R148	RESISTOR, FIXED, COMPOSITION: same as R52	745-1412-00
R149	RESISTOR, FIXED, COMPOSITION: 0.10 megohms, $\pm 10\%$, 1/2 w	745-1436-00
R150	RESISTOR, FIXED, COMPOSITION: 120 ohms, $\pm 10\%$, 1/2 w	745-1314-00
R151	RESISTOR, FIXED, COMPOSITION: 4700 ohms, $\pm 10\%$, 1 w	745-3282-00
S1	SWITCH, PUSH: 0.1 amp at 115 v ac resistive; phenolic case; solder type terminals; normally open	260-2709-00
S2	SWITCH SECTION, ROTARY: 2 circuit, 12 positions, 10 fixed contacts, 1 moving contact, phenolic insulation	269-2283-00
S3	SWITCH, SLIDE: dpdt; 1 amp at 125 v ac, dc; 1-3/8 in. lg by 21/32 in w; incls terminals	260-2597-00
S4	SWITCH SECTION, ROTARY: 2 circuit, 12 positions, 10 fixed, 2 moving contacts; phenolic insulation	269-1990-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
S5 thru S7 S8	SWITCH, PUSH: same as S4	269-1990-00
S9	SWITCH, ROTARY: 12 fixed contacts, 2 moving contacts, 2 pole, 4 throws; 230 v ac, dc, 0.25 amps	259-0893-00
S10	SWITCH SECTION, ROTARY: 2 circuit, 12 positions, 20 fixed contacts, 4 moving contacts, phenolic insulation	269-1991-00
S11	SWITCH, PUSH: same as S4	269-1990-00
T1	SWITCH SECTION, ROTARY: same as S9	269-1991-00
T2	TRANSFORMER, AUDIO FREQUENCY: pri 600 ohms sec 600 ohms; metal encased, 300 cps to 3500 cps, solder-type terminals	667-0015-00
T3	TRANSFORMER, AUDIO FREQUENCY: pri 10,000 ohms, 10 ma; sec no. 1, 150 ohms, sec. no. 2, 150 ohms, sec. no. 3, 0.26 v rms; 100 to 3000 cps; solder type terminals	667-0522-00
T4	TRANSFORMER, INTERMEDIATE, FREQUENCY: 455 kc center frequency; 1-3/8 in. by 1-3/8 in. by 2-3/4 in.; excluding terminals	278-0197-00
T5	TRANSFORMER, INTERMEDIATE, FREQUENCY: same as T3	278-0197-00
T6	TRANSFORMER, INTERMEDIATE, FREQUENCY: same as T3	278-0197-00
TB1	TERMINAL BOARD: mtg strip w/ 3 brass solder lug terminals	306-9033-00
TB2	TERMINAL BOARD: same as TB1	306-9033-00
TB3	TERMINAL BOARD: phenolic; 1/16 in. by 3/8 in. by 1-1/2 in.; incl 4 solder lug terminals	306-9032-00
TB4	TERMINAL BOARD: same as TB1	306-9033-00
TB5	TERMINAL BOARD: same as TB3	306-9032-00
TB6	TERMINAL BOARD: phenolic; incl 4 solder lug terminals; 1/16 in. by 3/8 in. by 1-1/2 in.	306-0838-00
TB7	TERMINAL BOARD: same as TB3	306-9032-00
TB8	TERMINAL BOARD: same as TB1	306-9033-00
TB9	TERMINAL BOARD: same as TB3	306-9032-00
TB10	TERMINAL BOARD: same as TB1	306-9033-00
TB11	TERMINAL BOARD: same as TB1	306-9033-00
TB12	TERMINAL BOARD: phenolic; w/ 3 terminals; 1/16 in. by 3/8 in. by 1-1/8 in.	306-0001-00
TB13	TERMINAL BOARD: phenolic, incl 5 solder lug terminals; 1/16 in. by 3/8 in. by approx 1-15/16 in.	306-0550-00
TB14	TERMINAL BOARD: same as TB1	306-0001-00
TB15	TERMINAL BOARD: same as TB12	306-0001-00
TB16	TERMINAL BOARD: two terminals, mounted; one terminal grounded; 1/16 in. by 7/8 in. by 3/4 in lg	306-2220-00
TB17	TERMINAL BOARD: same as TB3	306-9032-00
TB18	TERMINAL BOARD: same as TB1	306-9033-00
TB19	TERMINAL BOARD: same as TB3	306-9032-00
TB20	TERMINAL BOARD: same as TB1	306-9033-00
TB21	TERMINAL BOARD: same as TB19	306-9032-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
TB22	TERMINAL BOARD: same as TB1	306-9033-00
TB23	TERMINAL BOARD: same as TB1	306-9033-00
TB24	TERMINAL BOARD: same as TB16	306-2220-00
TB25	TERMINAL BOARD: same as TB16	306-2220-00
TB26	TERMINAL BOARD: same as TB19	306-9032-00
TB27	TERMINAL BOARD: same as TB1	306-9033-00
TB28	TERMINAL BOARD: same as TB19	306-9032-00
TB29	TERMINAL BOARD: same as TB6	306-0838-00
TB30	TERMINAL BOARD: same as TB19	306-9032-00
TB31	TERMINAL BOARD: same as TB19	306-9032-00
TB32	TERMINAL BOARD: same as TB1	306-9033-00
TB33	TERMINAL BOARD: same as TB19	306-9032-00
TB34	TERMINAL BOARD: same as TB1	306-9033-00
TB35	TERMINAL BOARD: same as TB13	306-0550-00
TB36	TERMINAL BOARD: phenolic; two rings each w/ 6 terminals; 1-1/2 in. lg	306-0909-00
TB37	TERMINAL BOARD: same as TB3	306-9032-00
TB38	TERMINAL BOARD: same as TB19	306-9032-00
TB39	TERMINAL BOARD: same as TB12	306-0001-00
TB40	TERMINAL BOARD: same as TB13	306-0550-00
TB41	TERMINAL BOARD: same as TB13	306-0550-00
TB42	TERMINAL BOARD: same as TB19	306-9032-00
TB43	TERMINAL BOARD: same as TB1	306-9033-00
TB44	TERMINAL BOARD: same as TB13	306-0550-00
TB45	TERMINAL BOARD: same as TB1	306-9033-00
TB46	TERMINAL BOARD: phenolic; 18 solder lug terminals; 1/16 in. thk by 1-1/2 in. by 3-13/16 in.	543-7372-003
TB47	TERMINAL BOARD: plastic; 12 post type terminals; 2-5/8 in. w by 2-3/4 in. lg	547-3944-003
TB48	TERMINAL BOARD: plastic; 20 post type terminals; 2-5/8 in. w by 4-1/4 in. lg	547-3947-003
TB49	TERMINAL BOARD: phenolic; 3 solder lug terminals; 3/8 in w by 1-1/8 in lg by 1/16 in. thk	306-0587-00
TB50	TERMINAL BOARD: same as TB16	306-2220-00
TB51	TERMINAL BOARD: same as TB16	306-2220-00
V1	ELECTRON TUBE: glass envelope; triode-pentode; type 6678 (6U8A)	257-0189-00 257-0189-00
V2	ELECTRON TUBE: glass envelope; twin triode, type 6679 (12AT7)	257-0190-00 257-0190-00
V3	ELECTRON TUBE: glass envelope; pentode; type 6DC6	255-0226-00 255-0226-00
V4	ELECTRON TUBE: power pentode; type 6677 (6CL6)	257-0188-00
V5	ELECTRON TUBE: glass envelope; beam power pentode; type 6146	256-0101-00
V6	ELECTRON TUBE: same as V5	256-0101-00
V7	ELECTRON TUBE: same as V1	257-0189-00
V8	NOT USED	
V9	NOT USED	
V10	ELECTRON TUBE: same as V1	257-0189-00
V11	ELECTRON TUBE: pentagrid converter type: Type 6BA7	255-0209-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
V12	ELECTRON TUBE: glass envelope; pentode, type 6660 (6BZ6)	255-0240 257-0185-00
V13	ELECTRON TUBE: same as V12	257-0185-00
V14	ELECTRON TUBE: same as V2	257-0190-00
V15	ELECTRON TUBE: same as V2	257-0190-00
V16	NOT USED	
V17	ELECTRON TUBE: glass envelope; double diode- triode; type 6AV6	255-0307-00
V18	ELECTRON TUBE: glass envelope; twin diode rectifier, type 6663 (6AL5)	257-0186-00 257-0618
XF1	FUSEHOLDER: extractor post type; transparent, with 3 AG fuses	265-1072-00
XHR1	SOCKET, ELECTRON TUBE: 8 prong octal tube socket, molded construction plastic	220-1005-00
XHR2	SOCKET, ELECTRON TUBE: same as XHR1	220-1005-00
XHR3	SOCKET, ELECTRON TUBE: same as XHR1	220-1005-00
XVI	SOCKET, ELECTRON TUBE: 9 contact miniature; top mtg. tube socket w/o shield base; plastic	220-1274-00
XV2	SOCKET, ELECTRON TUBE: 9 contact miniature; 0.043 min. wire hole size	220-1293-00
XV3	SOCKET, ELECTRON TUBE: 7 pin miniature, brass and copper w/phenolic insulation	220-1291-00
XV4	SOCKET, ELECTRON TUBE: same as XV2	220-1293-00
XV5	SOCKET, ELECTRON TUBE: 8 prong octal tube socket, molded construction plastic	220-1005-00
XV6	SOCKET ELECTRON TUBE: same as XV5	220-1005-00
XV7	SOCKET ELECTRON TUBE: same as XV1	220-1274-00
XV8	NOT USED	
XV9	NOT USED	
XV10	SOCKET, ELECTRON TUBE: same as XV2	220-1293-00
XV11	SOCKET, ELECTRON TUBE: same as XV2	220-1293-00
XV12	SOCKET, ELECTRON TUBE: same as XV3	220-1291-00
XV13	SOCKET, ELECTRON TUBE: same as XV3	220-1291-00
XV14	SOCKET, ELECTRON TUBE: same as XV1	220-1274-00
XV15	SOCKET, ELECTRON TUBE: same as XV1	220-1274-00
XV16	NOT USED	
XV17	SOCKET, ELECTRON TUBE: 7 contact miniature top mtg tube socket w/o shield base	220-1152-00
XV18	SOCKET, ELECTRON TUBE: same as XV17	220-1152-00
Y1	CRYSTAL UNIT, QUARTZ: channel freq	In accordance with customer frequency assignment. 289-1618-00
Y2	CRYSTAL UNIT, QUARTZ: channel freq	
Y3	CRYSTAL UNIT, QUARTZ: channel freq	
Y4	CRYSTAL UNIT, QUARTZ: channel freq	
Y5	CRYSTAL UNIT, QUARTZ: 455 kc freq range	
Z1	SUPPRESSOR, PARASITIC: c/o one composition	543-7468-00
thru Z2	resistor, 47 ohms, $\pm 10\%$, 2 w; w/5 turns of no. 18 wire equally spaced length of resistor	

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
AUTOMATIC GAIN CONTROL		528-0127-004
C1	CAPACITOR, FIXED, MICA: 6200 uuf $\pm 2\%$, 500 vdcw	912-2719-00
C2	CAPACITOR, FIXED, ELECTROLYTIC: 1.0 uf -15% +30%, 100 vdcw	184-7177-00
C3	CAPACITOR, FIXED, ELECTROLYTIC: 0.22 uf $\pm 20\%$, 35 vdcw	184-7407-00
C4	CAPACITOR, FIXED, MICA: same as C1	912-2719-00
C5	CAPACITOR, FIXED, ELECTROLYTIC: 33 uf $\pm 20\%$, 10 vdcw	184-7382-00
C6	CAPACITOR, FIXED, ELECTROLYTIC: 6.8 uf $\pm 20\%$, 35 vdcw	184-7693-00
C7	CAPACITOR, FIXED, ELECTROLYTIC: 4.7 uf $\pm 20\%$, 10 vdcw	184-7379-00
C8	CAPACITOR, FIXED, MICA: 8200 uuf $\pm 2\%$, 500 vdcw	912-2728-00
C9	CAPACITOR, FIXED, MICA: 6800 uuf $\pm 2\%$, 500 vdcw	912-2722-00
C10	CAPACITOR, FIXED, ELECTROLYTIC: 22 uf $\pm 20\%$, 35 vdcw	184-7695-00
C11	CAPACITOR, FIXED, MICA: 10,000 uuf $\pm 2\%$, 500 vdcw	912-2734-00
C12	CAPACITOR, FIXED, ELECTROLYTIC: 15 uf $\pm 20\%$, 20 vdcw	184-7371-00
C13	CAPACITOR, FIXED, ELECTROLYTIC: 330 uf $\pm 20\%$, 6 vdcw	184-7647-00
C14	CAPACITOR, FIXED, ELECTROLYTIC: same as C10	184-7695-00
CR1	SEMICONDUCTOR DEVICE, DIODE: silicon; Texas Instruments type 1N645	353-2607-00
CR2	SEMICONDUCTOR DEVICE, DIODE: silicon; Pacific Semiconductors part no. 1N724A	353-2747-00
CR3	SEMICONDUCTOR DEVICE, DIODE: hermitically sealed glass case, zener voltage 2.47 v min to 2.73 max. 75 ua at +25°C, 100 ua at +100°C; Pacific Semiconductors part no. PS6465A	353-2892-00
CR4	SEMICONDUCTOR DEVICE, DIODE: silicon; Texas Instruments part no. 1N754A	353-2716-00
CR5	SEMICONDUCTOR DEVICE DIODE: same as CR3	353-2892-00
E1	PRINTED CIRCUIT BOARD, FLARED: plastic-glass cloth epoxy 0.062 in. thk, copper cladding both sides w/3 rivets and 98 tubelets; 4.437 in w by 4.533 in lg approx.	547-3007-004
L1	COIL, RADIO FREQUENCY: toroidal wound, 600 mh inductance; 1.2 ohms dc resistance, 16.2 ma current rating	240-0284-00
L2	COIL, RADIO FREQUENCY: same as L1	240-0284-00
L3	COIL, RADIO FREQUENCY: toroidal wound, 240 mh 1000 cps, 25.3 ma current rating	240-0279-00

ITEM	DESCRIPTION AUTOMATIC GAIN CONTROL (CONT'D)	COLLINS PART NUMBER
L4	COIL, RADIO FREQUENCY: toroidal wound, 360 mh inductance, 200 ohms dc resistance	240-1246-00
Q1	TRANSISTOR: PNP type germanium, hermitically sealed; Motorola, Inc. part no. 2N652A	352-0276-00
Q2	TRANSISTOR: same as Q1	352-0276-00
R1	RESISTOR, VARIABLE, WIREWOUND: 200 ohms $\pm 5\%$, 1 w	381-1263-00
R2	RESISTOR, FIXED, COMPOSITION: 220 ohms $\pm 10\%$, 1/2 w	745-1324-00
R3	RESISTOR, FIXED, COMPOSITION: 22,000 ohms $\pm 10\%$, 1/2 w	745-1408-00
R4	RESISTOR, FIXED, COMPOSITION: 1000 ohms $\pm 10\%$, 1/2 w	745-1352-00
R5	RESISTOR, FIXED, COMPOSITION: same as R3	745-1408-00
R6	RESISTOR, FIXED, COMPOSITION: 3900 ohms $\pm 10\%$, 1/2 w	745-1377-00
R7	RESISTOR, FIXED, COMPOSITION: 3300 ohms $\pm 10\%$, 1/2 w	745-1373-00
R8	RESISTOR, FIXED, COMPOSITION: 1800 ohms $\pm 10\%$, 1/2 w	745-1366-00
R9	RESISTOR, FIXED, COMPOSITION: same as R7	745-1373-00
R10	RESISTOR, FIXED, FILM: 4220 ohms $\pm 1\%$, 1/4 w	705-7126-00
R11	RESISTOR, FIXED, COMPOSITION: 33,000 ohms $\pm 10\%$, 1/2 w	745-1415-00
R12	RESISTOR, FIXED, COMPOSITION: 39,000 ohms $\pm 10\%$, 1/2 w	745-1419-00
R13	RESISTOR, FIXED, COMPOSITION: 470,000 ohms $\pm 10\%$, 1/2 w	745-1464-00
R14	RESISTOR, FIXED, COMPOSITION: 680 ohms $\pm 10\%$, 1/2 w	745-1345-00
MISCELLANEOUS		
	KIT COIL: 1.6 - 2.0 mc; incls Antenna Coil 1st R-F coil RF Coil (Qty 3 required) P. A. Coil KIT COIL: 2.0 - 3.3 mc incls Antenna Coil 1st R-F RF Coil (Qty. 3 required) P. A. Coil KIT COIL: 3.3 - 5.5 mc incls Antenna Coil 1st R.F. Coil R. F. Coil (Qty. 3 required) P. A. Coil	567-4662-00 544-6102-00 546-6035-00 544-6103-00 543-7360-00 543-7496-00 543-7735-00 546-6036-00 543-4346-00 567-4663-00 567-4664-00 543-7736-00 546-6037-00 543-4347-00 543-7360-00

SECTION VI
Parts List

ITEM	DESCRIPTION MISCELLANEOUS (CONT'D)	COLLINS PART NUMBER
	KIT COIL: 5.5 - 9.0	567-4665-00
	Antenna Coil	543-7737-00
	1st R.F. Coil	546-6038-00
	R.F. Coil (Qty. 3 required)	543-4348-00
	P.A. Coil	543-7361-00
	KIT COIL: 9.0 - 12.0 mc incls	567-4666-00
	Antenna Coil	543-7738-00
	1st R.F. Coil	546-6039-00
	R.F. Coil (Qty. 3 required)	543-4349-00
	P.A. Coil	543-7362-00
	KIT COIL: 12.0 - 15.0 mc incls	567-4667-00
	Antenna Coil	545-3237-00
	1st R.F. Coil	545-7589-00
	R.F. Coil (Qty. 3 required)	545-3238-00
	P.A. Coil	543-7362-00
P1	CONNECTOR, RECEPTACLE, ELECTRICAL: female; 8 contacts w/1/2 in. dia hole in top and a cable clamp	364-8082-00
	CABLE ASSEMBLY, POWER ELECTRICAL, BRANCHED: 12 v dc input; c/o 2 battery clips, 2 flat washers, 2 lock washers, 2 terminal lugs, 2 cable markers, sleeving insulation and 12 ft 1 in. electrical wire and	547-3013-00
P1	CONNECTOR, RECEPTACLE, ELECTRICAL: female; 8 contacts w/1/2 in. dia. hole in top and a cable clamp	364-8082-00
	CABLE ASSEMBLY, POWER ELECTRICAL, BRANCHED: 28 v dc; c/o 2 cable markers, 2 flat washers, 2 lock washers, 2 battery clips, sleeving insulation 12 ft 1-1/4 in electrical wire and	547-3014-00
P1	CONNECTOR, RECEPTACLE, ELECTRICAL: female; 8 contacts w/1/2 in. dia hole in top and a cable clamp	364-8082-00
E1 and E2	TERMINAL, LUG: copper, plastic insulated; solderless; 1-5/32 in lg, 1/2 in. w	304-0276-00
	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: Tuner Control; c/o 6 rubber bushings, 2 cable markers plus 50 ft 1 in. electrical wire and	547-3015-00
P1	CONNECTOR, RECEPTACLE, ELECTRICAL: male; 15 prong plug connector w/ cap having 1/2 in dia hole in top and cable clamp; 1-1/8 in. by 1-11/16 in. by 3-3/32 in.	365-0030-00
P2	CONNECTOR, PLUGS, ELECTRICAL: female; 7 contact AN type straight plug connector; 20 amp. #16 AWG	357-4906-00
	CABLE ASSEMBLY, RADIO FREQUENCY, OUTPUT: c/o jacket modified RG-58C/U coaxial cable, 600 in. lg w/ straight phono plug termination one end and other w/ UG-88 D/U BNC type plug connector	547-3085-002

ITEM	DESCRIPTION MISCELLANEOUS (CONT'D)	COLLINS PART NUMBER
	CRYSTAL OVEN: will hold 2 crystals; stability ±1 PPM (Qty. 3)	292-0227-00
115-VOLT POWER SUPPLY		547-3991-00
2C1	CAPACITOR, FIXED, ELECTROLYTIC: 10 uf -0% +100%, 150 v dc	183-1358-00
2CR1	SEMICONDUCTOR DEVICE, DIODE: silicon; General Electric part no. 1N1695	353-1665-00
2CR2	CRYSTAL UNIT, RECTIFYING: silicone crystal; 0.812 in. lg. by 7/16 in. hex 1N1124R	353-1766-00
2CR3	CRYSTAL UNIT, RECTIFYING: same as 2CR2	353-1766-00
2CR4	CRYSTAL UNIT, RECTIFYING: same as 2CR2	353-1766-00
2CR5	CRYSTAL UNIT, RECTIFYING: same as 2CR2	353-1766-00
2F1	FUSE: 6 amp AGC	264-0727-00
2F2	FUSE: 3 amps MDX	264-0724-000
2F3	FUSE: same as 2F2	264-0724-000
2K1	RELAY ARMATURE: 2 contact arrangement; 3 amp at 30 v dc or 115 v ac, 48 v dc nom. coil voltage, 2000 ohms ±20% coil resistance	972-1343-00
2K2	RELAY ARMATURE: contact arrangement 1A, 15 amp at 20 v dc or 115 v ac resistive, 50 ma at 250 v dc inductive; 24 v dc nom coil voltage, 220 ohms ±10% coil resistance	970-2130-00
2P1	CONNECTOR, RECEPTACLE, ELECTRICAL: 27 male contacts panel mtg; phenolic insulation; modified	547-3030-00
2R1	RESISTOR, FIXED, WIREWOUND: 4000 ohms ±5%, 5 w	747-5504-00
2R2	RESISTOR, FIXED, WIREWOUND: same as 2R1	747-5504-00
2R3	RESISTOR, FIXED, WIREWOUND: 5000 ohms ±5%, 5 w	747-5506-00
2T1	TRANSFORMER, HIGH VOLTAGE: multiple winding, step-up	662-0018-00
2T2	TRANSFORMER, LOW VOLTAGE: multiple winding, step-up, step-down	662-0016-00

SECTION VI
Parts List

ITEM	DESCRIPTION 115 VOLT POWER SUPPLY (CONT'D)	COLLINS PART NUMBER
3T3	TRANSFORMER, POWER, STEP-DOWN: 115 v ac, 115 v ac, primary winding, 50, 60, 400 cps, 95 v ac, $\pm 3\%$.025 amp secondary winding, single phase	662-0019-00
2TB1	TERMINAL BOARD: phenolic, 5 solder lug terminals; 1/16 in. by 3/8 in. by 1-7/8 in.	306-0550-00
2TB2	TERMINAL BOARD: phenolic, 4 solder lug terminals 1/16 in. by 3/8 in. by 1-1/2 in.	306-9032-00
2TB3	TERMINAL BOARD: same as 2TB2	306-9032-00
2TB4	TERMINAL BOARD: phenolic 3 solder lug terminals; 1/16 in by 3/8 in by 1-1/8	306-9033-00
2XF1	FUSEHOLDER: extractor post type; 125 v, 15 amps; 11/16 in dia. by 2-9/64 in. lg. over-all	265-1019-00
2XF2	FUSEHOLDER: same as 2XF1	265-1019-00
2XF3	FUSEHOLDER: same as 2XF1	265-1019-00
28-VOLT POWER SUPPLY		547-3992-00
3C1	CAPACITOR, FIXED, ELECTROLYTIC: 150 uf -10% +100%, 50 v dc	183-1564-00
3C2	CAPACITOR, FIXED, ELECTROLYTIC: same as 3C1	183-1564-00
3C3	CAPACITOR, FIXED, CERAMIC DIELECTRIC: 20,000 uuf, -20% +100%, 500 v dc	913-2142-00
3C4	CAPACITOR, FIXED, CERAMIC DIELECTRIC: 0.1 uf GMV, 100 v dc	913-3681-00
3C5	CAPACITOR, FIXED, ELECTROLYTIC: 15 uf -10% +100%, 100 v dc	183-1385-00
3CR1	SEMICONDUCTOR DEVICE, DIODE: silicon; Hoffman Electronic Corp. part no. HZPR-32A	353-1537-00
3CR2	SEMICONDUCTOR DEVICE, DIODE: silicon; JETEC type 1N248	353-1600-00
3CR3	SEMICONDUCTOR DEVICE, DIODE: silicon; General Electric part no. 1N1487	353-1662-00
3CR4	SEMICONDUCTOR DEVICE, DIODE: same as 3CR3	353-1662-00
3CR5	SEMICONDUCTOR DEVICE, DIODE: same as 3CR3	353-1662-00
3CR6	SEMICONDUCTOR DEVICE, DIODE: same as 3CR3	353-1662-00
3F1	FUSE: 20 amp, SFE	264-0732-00
3F2	FUSE: 7-1/2 amp, AGC	264-0728-00
3F3	FUSE: same as 3F2	264-0728-00
3E1	INSULATOR, STANDOFF: single-ended metal base insulated terminal, brass cadmium plated, 4-40 mounting stud, 1/4 in. across hex by 3/4 in. lg.	306-0977-00
3K1	RELAY, ARMATURE: contact arrangement 1A, 15 amp at 28 v dc or 115 v ac, 24 v dc nom coil voltage, 220 ohms $\pm 10\%$ coil resistance	970-1875-00
3K2	RELAY, ARMATURE: contact arrangement 1A, 15 amp at 28 v dc or 115 v ac resistive, 50 ma at 250 v dc inductive; 24 v dc nom. coil voltage, 220 ohms $\pm 10\%$, coil resistance	970-2130-00

ITEM	DESCRIPTION 280 VOLT POWER SUPPLY (CONT'D)	COLLINS PART NUMBER
3L1	COIL, RADIO FREQUENCY: 5.5 uh, $\pm 20\%$, 15-3/4 turns 2-3/4 in. lg overall, 8-32NC-2 thd one end	240-0021-00
3L2	COIL, RADIO FREQUENCY: choke; single layer wound; 26 turns no. 14 AWG wire; 2.218 in lg. by 31/32 in. w by 3/4 in. dia overall	240-0002-00
3P1	CONNECTOR, RECEPTACLE, ELECTRICAL: 27 male contacts panel mtg; phenolic insulation; modified	547-3030-002
3Q1	TRANSISTOR: germanium; Motorola type 2N1556	352-0290-00
3Q2	TRANSISTOR: same as 3Q1	352-0290-00
3Q3	TRANSISTOR: same as 3Q1	352-0290-00
3Q4	TRANSISTOR: same as 3Q1	352-0290-00
3Q5	TRANSISTOR: germanium; Motorola type 2N375	352-0065-00
3Q6	TRANSISTOR: germanium; type 2N1559	352-0297-00
3Q7	TRANSISTOR: same as 3Q6	352-0297-00
3R1	RESISTOR, FIXED, COMPOSITION: 100 ohms $\pm 5\%$, 3 w	747-5103-00
3R2	RESISTOR, FIXED, COMPOSITION: 10 ohms $\pm 10\%$, 1 w	745-3268-00
3R3	RESISTOR, FIXED, COMPOSITION: same as 3R2	745-3268-00
3R4	RESISTOR, FIXED, COMPOSITION: 2200 ohms $\pm 10\%$, 2 w	745-5666-00
3R5	RESISTOR, FIXED, COMPOSITION: same as 3R4	745-5666-00
3R6	RESISTOR, FIXED, COMPOSITION: same as 3R2	745-3268-00
3R7	RESISTOR, FIXED, COMPOSITION: same as 3R2	745-3268-00
3R8	RESISTOR, FIXED, COMPOSITION: 47 ohms $\pm 10\%$, 1 w	745-3296-00
3R9	RESISTOR, FIXED, COMPOSITION: same as 3R8	745-3296-00
3R10	RESISTOR, FIXED, COMPOSITION: 33 ohms $\pm 10\%$, 1 w	745-3289-00
3R11	RESISTOR, FIXED, COMPOSITION: same as 3R8	745-3296-00
3R12	RESISTOR, FIXED, COMPOSITION: same as 3R8	745-3296-00
3R13	RESISTOR, FIXED, COMPOSITION: same as 3R4	745-5666-00
3R14	RESISTOR, FIXED, COMPOSITION: same as 3R4	745-5666-00
3R15	RESISTOR, FIXED, COMPOSITION: 3300 ohms $\pm 10\%$, 1 w	745-3373-00
3R16	RESISTOR, FIXED, COMPOSITION: 100 ohms $\pm 10\%$, 1/2 w	745-1310-00
3R17	RESISTOR, FIXED, COMPOSITION: same as 3R16	745-1310-00
3R18	RESISTOR, FIXED, WIREWOUND: 120 ohms $\pm 5\%$ 25 w	747-8635-00
3R19	RESISTOR, FIXED, WIREWOUND: 18 ohms $\pm 5\%$ 11 w	747-0216-00
3R20	RESISTOR, FIXED, COMPOSITION: 2200 ohms, 5 w	747-5467-00
3T1	TRANSFORMER, POWER, STEP-UP: open frame; 54 v peak, 400 cps, single phase primary; 410 v peak, 410 v peak secondary; 0.937 in by 0.937 in. by 1.437 in. o/a dim	664-1006-00

SECTION VI
Parts List

ITEM	DESCRIPTION 28 VOLT POWER SUPPLY (CONT'D)	COLLINS PART NUMBER
3T2	TRANSFORMER, POWER STEP-UP: open frame, 27 v dc primary, center tapped, 400 cps, 1 phase 850 v dc, 185 ma secondary; 3-1/4 in. by 3-5/16 in. by 3-11/16 in.	664-0284-00
3T3	TRANSFORMER, POWER, STEP-UP: open frame; 27 v dc, 400 cps, 1 phase primary, 300 v dc, zero ma, 260 v dc, 220 ma secondary; 1-7/8 in. by 2 in. by 3-1/6 in.	664-1009-00
3TB1	TERMINAL BOARD: phenolic, 1/16 in. by 3/8 in. by 1-1/2 in. 4 brass solder lug terminals	306-9032-00
3TB2	TERMINAL BOARD: same as 3TB1	306-9032-00
3TB3	TERMINAL BOARD: same as 3TB1	306-9032-00
3TB4	TERMINAL BOARD: Bakelite, two terminals mounted, 1 terminal grounded; 3/4 in. by 3/8 in. excluding terminals	306-2220-00
3TB5	TERMINAL BOARD: same as 3TB4	306-2220-00
3XF1	FUSEHOLDER: extractor post type; 125 v 15 amp 11/16 in. dia. by 2-9/64 in. lg. overall	265-1019-00
3XF2	FUSEHOLDER: same as 3XF1	265-1019-00
3XF3	FUSEHOLDER: same as 3XF1	265-1019-00
12-VOLT POWER SUPPLY		547-3993-00
4C1	CAPACITOR, FIXED, ELECTROLYTIC: 250 uf, -20°C to +85°C operating temp. range, 25 v dc	183-1305-00
4C2	CAPACITOR, FIXED, ELECTROLYTIC: same as 4C1	183-1305-00
4C3	CAPACITOR, FIXED, CERAMIC DIELECTRIC: 100,000 uuf, GMV, 100 v dc	913-3681-00
4C4	CAPACITOR, FIXED, CERAMIC DIELECTRIC: same as 4C3	913-3681-00
4CR1	SEMICONDUCTOR DEVICE, DIODE: silicon, General Electric part no. 1N1487	353-1662-00
4CR2	SEMICONDUCTOR DEVICE, DIODE: same as 4CR1	353-1662-00
4CR3	SEMICONDUCTOR DEVICE, DIODE: same as 4CR1	353-1662-00
4CR4	SEMICONDUCTOR DEVICE, DIODE: same as 4CR1	353-1662-00
4CR5	SEMICONDUCTOR DEVICE, DIODE: silicon, General Electric part no. 1N538	353-1526-00
4F1	FUSE: 20 amp, SFE	264-0732-00
4F2	FUSE: 15 amp, AGC	264-0731-00
4K1	RELAY, ARMATURE: contact arrangement 1A, 15 amp at 28 v dc or 115 v ac resistive, 12 v dc nom working voltage, 60 ohms $\pm 10\%$ coil resistance	970-1858-00
4K2	RELAY: 12 v dc, 60 ohms DPST	970-2131-00
4L1	COIL, RADIO FREQUENCY: 5.5 uh, $\pm 20\%$, 15-3/4 turns; 2-3/4 in. lg overall, 8-32NC-2 thd one end	240-0021-00
4L2	COIL, RADIO FREQUENCY: choke; single layer wound; 26 turns no. 14 AWG wire; 2.218 in. lg by 31/32 in. w by 3/4 in. dia. overall	240-0002-00

ITEM	DESCRIPTION 12 VOLT POWER SUPPLY (CONT'D)	COLLINS PART NUMBER
4P1	CONNECTOR, RECEPTACLE ELECTRICAL: 27 male contacts, panel mtg; phenolic insulation modified	547-3030-00
4Q1	TRANSISTOR: germanium, Motorola type 2N1556	352-0290-00
4Q2	TRANSISTOR: same as 4Q1	352-0290-00
4Q3	TRANSISTOR: same as 4Q1	352-0290-00
4Q4	TRANSISTOR: same as 4Q1	352-0290-00
4Q5	TRANSISTOR: same as 4Q1	352-0290-00
4Q6	TRANSISTOR: same as 4Q1	352-0290-00
4R1	RESISTOR, FIXED, WIREWOUND: 300 ohms, ±5%, 2 w	747-9321-00
4R2	RESISTOR, FIXED, WIREWOUND: same as 4R1	747-9321-00
4R3	RESISTOR, FIXED, COMPOSITION: 10 ohms, ±10%, 1/2 w	745-1268-00
4R4	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R5	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R6	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R7	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R8	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R9	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R10	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R11	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R12	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R13	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R14	RESISTOR, FIXED, COMPOSITION: same as 4R3	745-1268-00
4R15	RESISTOR, FIXED, COMPOSITION: 12 ohms, ±5%, 2 w	745-5572-00
4R16	RESISTOR, FIXED, COMPOSITION: 470 ohms, ±10%, 2 w	745-5638-00
4T1	TRANSFORMER, POWER, STEP-UP: open frame, 27 v peak, 400 cps, single phase primary; 217 v peak, 217 v peak secondary; 0.937 in. by 0.937 in. by 1.375 in o/a dim.	664-1004-00
4T2	TRANSFORMER, POWER, STEP-UP: open frame, 16 v peak, 400 cps, single phase ct primary; 250 ma max. 850 v max secondary; 3.250 in. by 3.312 in. by 3.687 in o/a dim.	664-0276-00
4T3	TRANSFORMER, POWER, STEP-UP: open frame, 16 v peak, 400 cps, single phase ct primary; 20.8 v peak, 20.8 v peak; 174.4 v peak tapped at 100.8 v peak secondary; 1.875 in. by 2 in. by 3.062 in. o/a dim.	664-1005-00
4TB1	TERMINAL BOARD: phenolic 12 solder lug terminals	306-0909-00
4TB2	TERMINAL BOARD: same as 4TB1	306-0909-00
4TB3	TERMINAL BOARD: Bakelite, two terminals; 3/8 in. by 3/4 in.	306-2220-00
4TB4	TERMINAL BOARD: same as 4TB3	306-2220-00
4XF1	FUSEHOLDER: extractor post type; 125 v, 15 amp; 11/16 in. dia. by 2-9/64 in lg. o/a	265-1019-00
4XF2	FUSEHOLDER: same as 4XF1	265-1019-00

SECTION VI
Parts List

ITEM	DESCRIPTION	COLLINS PART NUMBER
	CONTROL UNIT 48A1-SW	522-6240-00
	CONTROL UNIT 48B2-SW	522-6275-00
C1	NOT USED	
C2	CAPACITOR, FIXED, PAPER: 0.22 uf, $\pm 20\%$; 100 vdcw; Sprague Electric part no. 186P22401S3	931-5652-00
C3	CAPACITOR, FIXED, ELECTROLYTIC: 7 uf, -10% $+100\%$, 50 vdcw	183-1171-00
C4	CAPACITOR, FIXED, PAPER: 0.22 uf $\pm 20\%$;	931-5663-00
C5	CAPACITOR, FIXED, CERAMIC: 47,000 uuf $\pm 20\%$; 400 vdcw	913-3735-00
C6	CAPACITOR, FIXED, CERAMIC: 100,000 uuf $\pm 20\%$; 400 vdcw	913-3737-00
C7	CAPACITOR, FIXED, PAPER: 2 uf, 50 vdcw Fernando Electric part no. MS53205	951-0969-00
C8	CAPACITOR, FIXED, PAPER: same as C7	951-0969-00
C9	CAPACITOR, FIXED, ELECTROLYTIC: 150 uf, -10% $+100\%$ 50 vdcw	183-1564-00
CR1	NOT USED	
CR2	NOT USED	
DS1	LAMP: Flange Base, 28 volt, 0.04 amp Filament C-2F	262-1207-00 262-0179-00 (used on 48B2-SW)
DS2 thru DS6	LAMP: same as DS1 Filament C-2F	262-1207-00 262-0179-00 (used on 48B2-SW)
HS1	HANDSET:	564-8645-002 (48A1-SW) 564-8639-003 (48B2-SW)
J1	CONNECTOR: 15 contact for printed circuit cards	372-1583-00
J2	CONNECTOR PLUG: 18 contacts, Chassis mtg. (used on 48B2-SW)	365-2180-00
LS1	LOUDSPEAKER: 4 in. round, permanent magnet, Quam type 4-AIR, voice coil imp. 3.2 ohms.	271-0230-00 (48A1-SW) 271-0229-00 (48B2-SW)
P2	CONNECTOR PLUG: 18 contacts	365-8180-00 (used on 48A1-SW)
Q1	TRANSISTOR, GERMANIUM: PNP, alloy junction medium power; Philco part no. 2N671	352-0117-00
Q2 thru Q4	TRANSISTOR, GERMANIUM: same as Q1	352-0017-00
R1	NOT USED	
R2	RESISTOR, VARIABLE, COMPOSITION: 25,000 ohms, $\pm 20\%$, 1 w, linear taper	380-1342-00
R3	RESISTOR, FIXED, COMPOSITION: 10,000 ohms, $\pm 10\%$, 1/2 w	745-1394-00
R4	RESISTOR, FIXED, COMPOSITION: 4700 ohms, $\pm 10\%$, 1/2 w	745-1380-00
R5	RESISTOR, FIXED, COMPOSITION: 16,000 ohms, $\pm 5\%$, 1/2 w	745-1403-00
R6	RESISTOR, FIXED, COMPOSITION: 510 ohms, $\pm 5\%$, 1/2 w	745-1340-00

SECTION VI
Parts List

ITEM	DESCRIPTION CONTROL UNIT 48A1-SW AND CONTROL UNIT 48B2-SW (CONT'D)	COLLINS PART NUMBER
R7	RESISTOR, FIXED, COMPOSITION: same as R5	745-1403-00
R8	RESISTOR, FIXED, COMPOSITION: 75,000 ohms, ±5%, 1/2 w	745-1431-00
R9	RESISTOR, FIXED, COMPOSITION: 100 ohms, ±10%, 1/2 w	745-1310-00
R10	RESISTOR, FIXED, COMPOSITION: same as R9	745-1310-00
R11	RESISTOR, FIXED, COMPOSITION: same as R8	745-1431-00
R12	RESISTOR, FIXED, COMPOSITION: 27,000 ohms, ±10%, 1/2 w	745-1412-00
R13	RESISTOR, FIXED, COMPOSITION: 10 ohms, ±10%, 1/2 w	745-1268-00
R14	RESISTOR, FIXED, COMPOSITION: same as R13	745-1268-00
R15	RESISTOR, FIXED, COMPOSITION: same as R12	745-1412-00
R16	RESISTOR, VARIABLE, COMPOSITION: 500 ohms, ±20%, 2 w, linear taper	380-0636-00 380-5773-00 (used on 48B2-SW)
R17	RESISTOR, FIXED, COMPOSITION: 33,000 ohms ±10%, 2 w	745-5589-00
S8	SWITCH: Single pole, double throw (dial)	266-7002-00 (used on 48A1-SW)
S9	SWITCH: Part of Telephone Dial	564-8591-002 (used on 48A1-SW)
T1	TRANSFORMER: Driver	667-0021-00
T2	TRANSFORMER: Audio Interstage	667-0022-00
T3	TRANSFORMER: Audio	667-0024-00
T4	TRANSFORMER: Audio	667-0023-00
TB1	TERMINAL BOARD:	564-8598-00 367-0138-00 (used on 48B2-SW)
TB2	TERMINAL BOARD: same as TB1	367-0138-00 (used on 48B2-SW)
TB3	TERMINAL BOARD:	367-0136-00 (used on 48B2-SW)

SECTION VI
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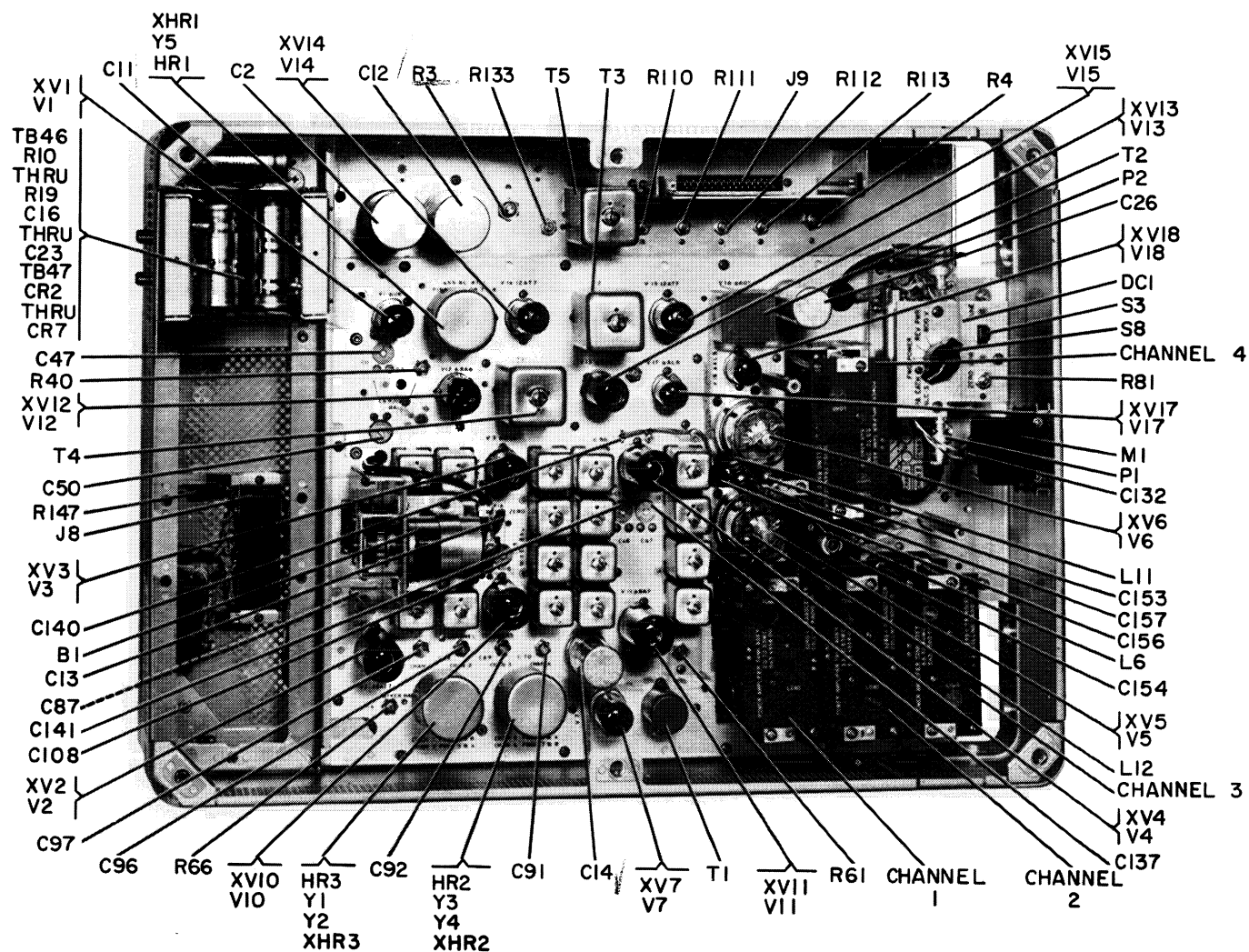


Figure 6-1 32MS-1A, Top View, Cover and Shield Removed, Keyed

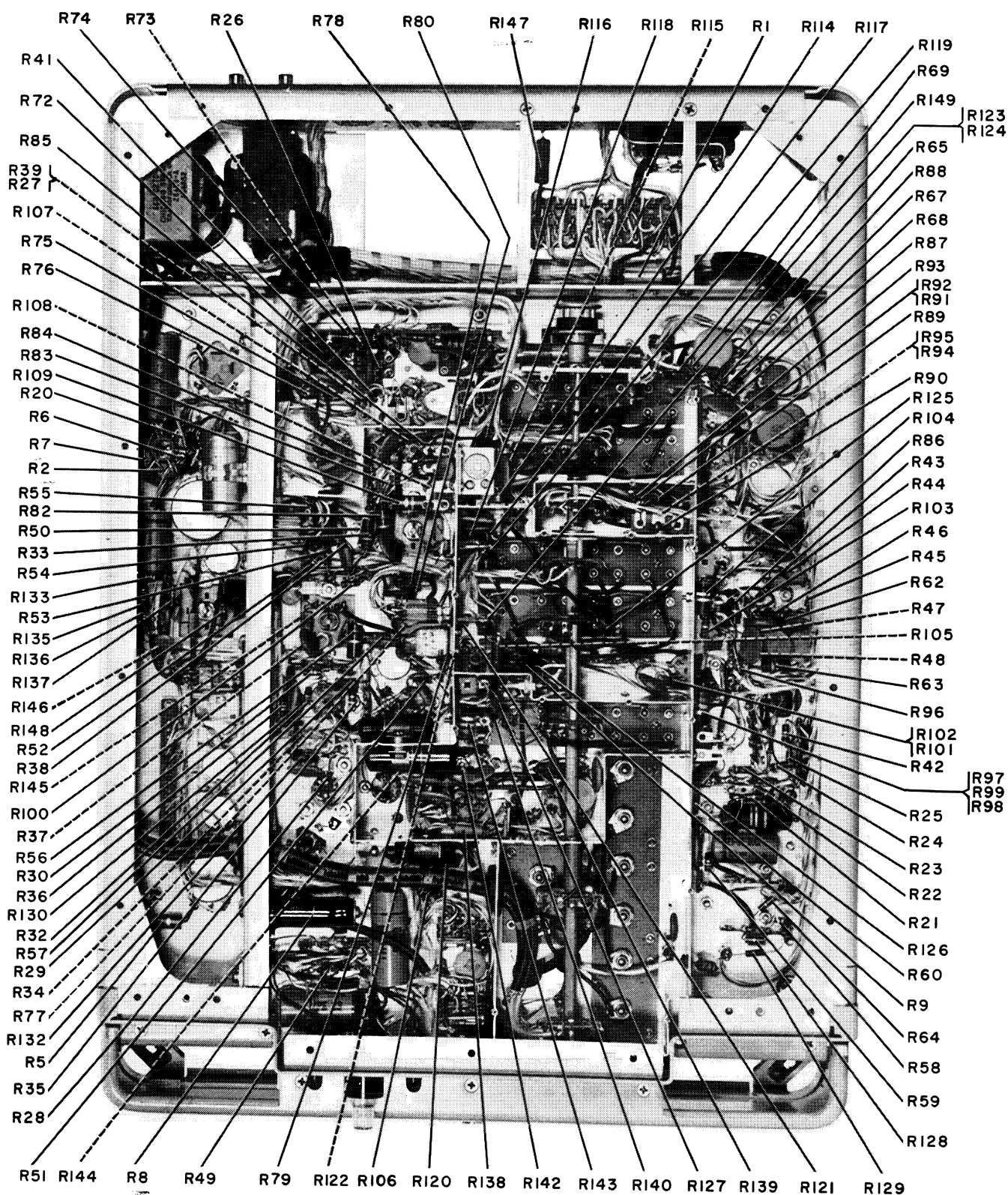


Figure 6-2 32MS-1A, Bottom View (A), Cover and Shield Removed, Keyed

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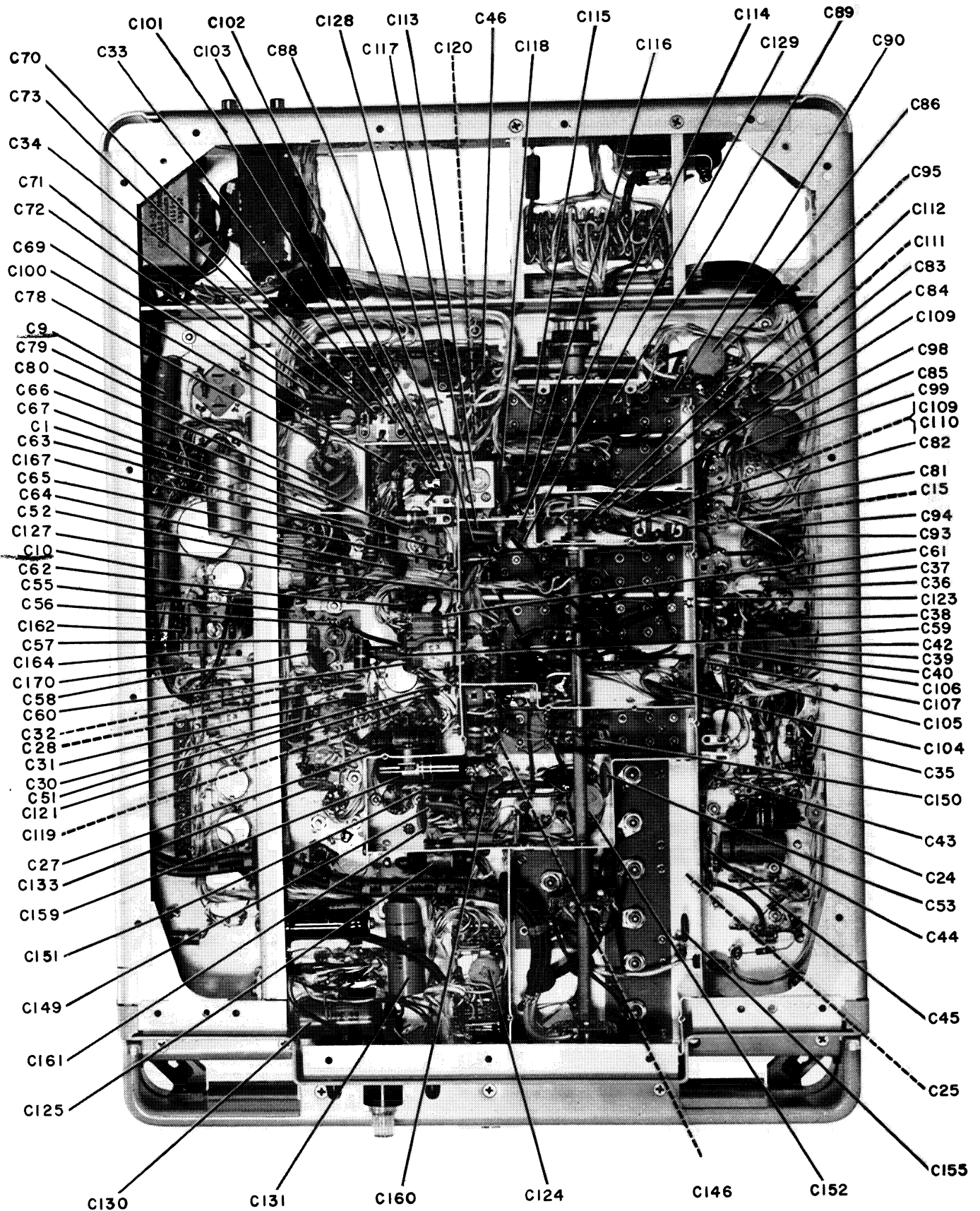


Figure 6-3 32MS-1A, Bottom View (B), Cover and Shield Removed, Keyed

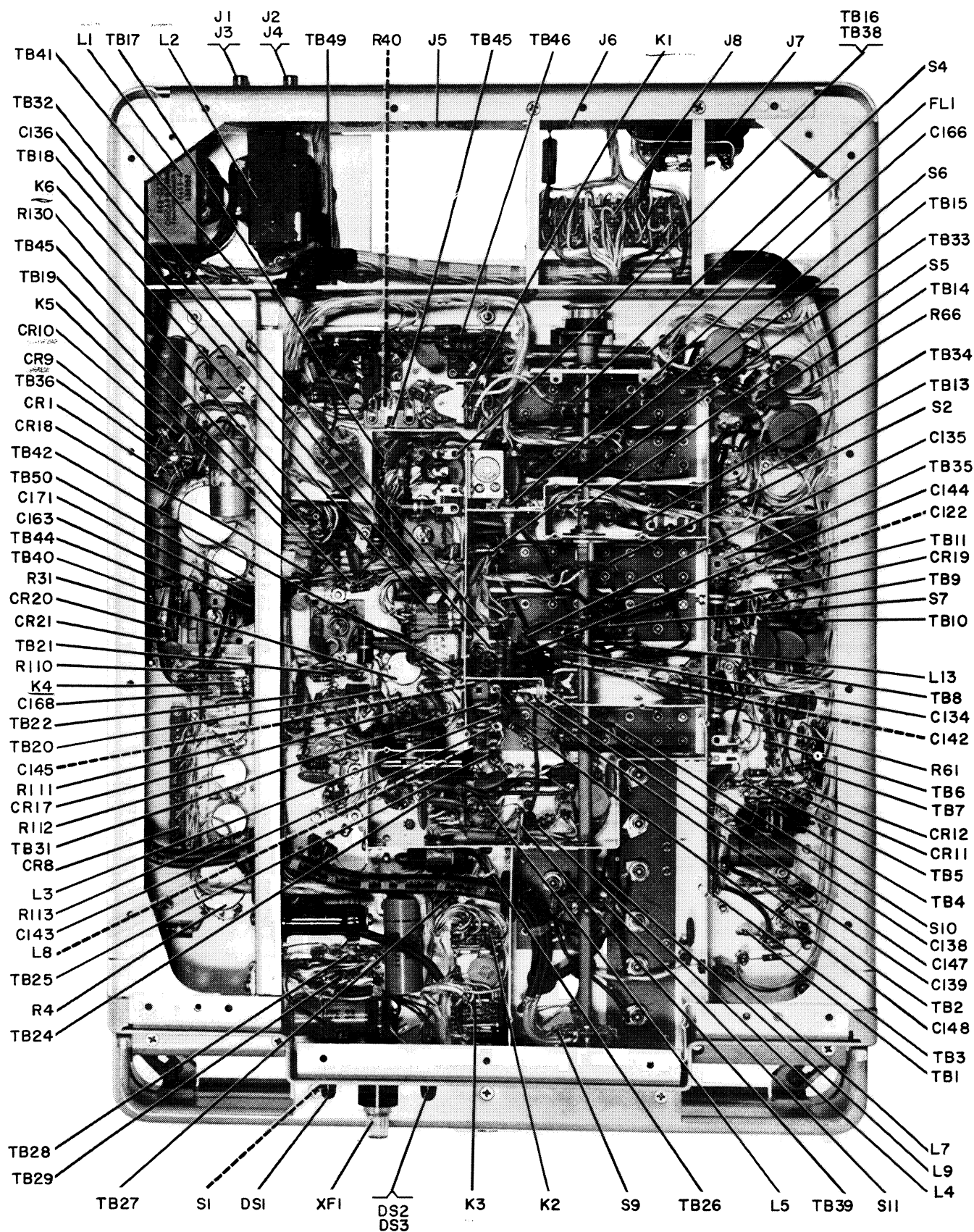


Figure 6-4 32MS-1A, Bottom View (C), Cover and Shield Removed, Keyed

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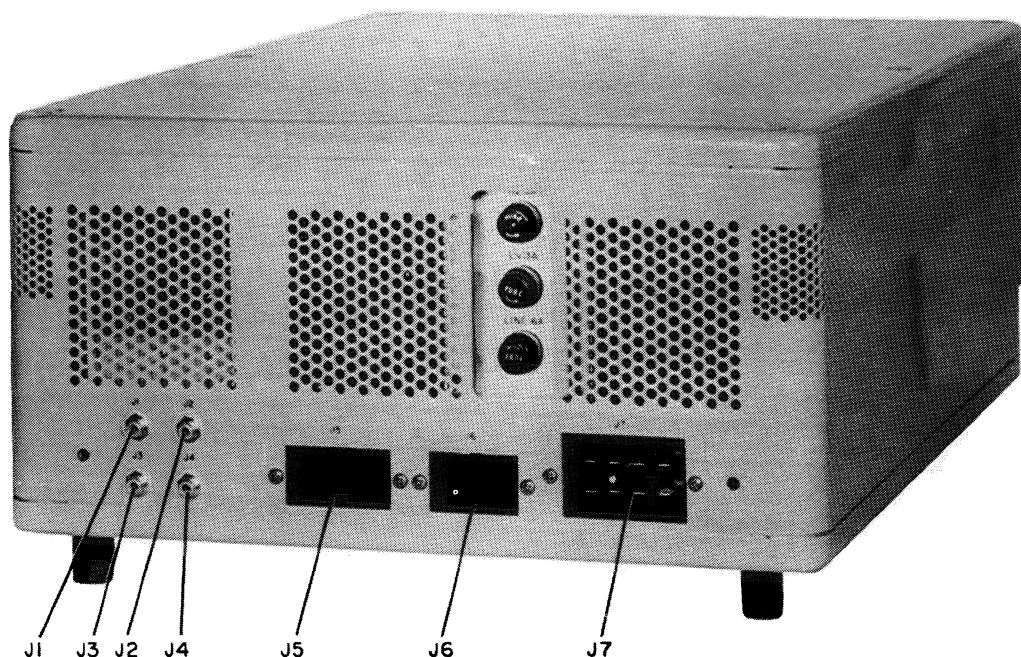


Figure 6-5 32MS-1A, Rear View, Keyed

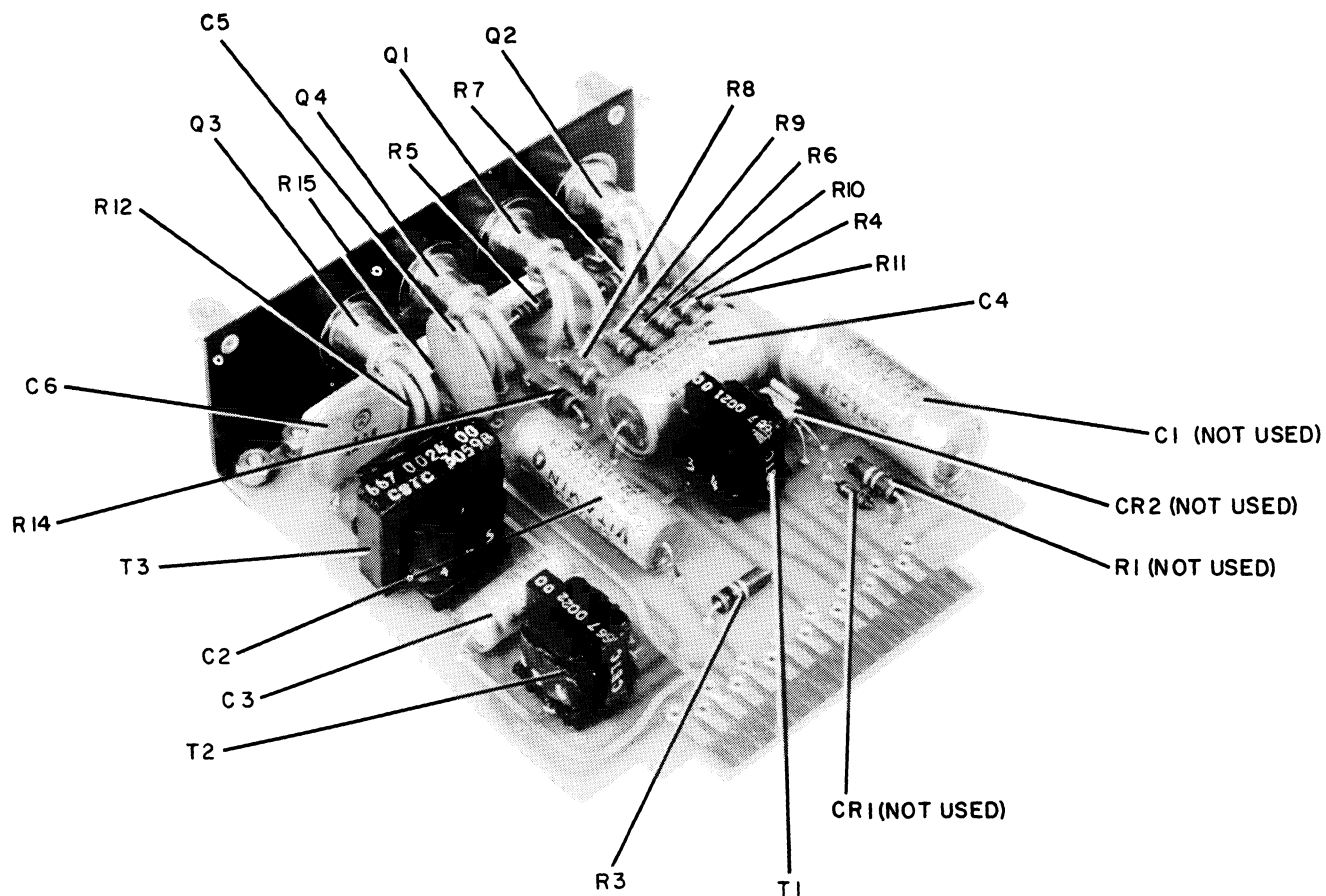


Figure 6-6 Control Unit 48A1-SW or 48B2-SW Circuit Board, Keyed

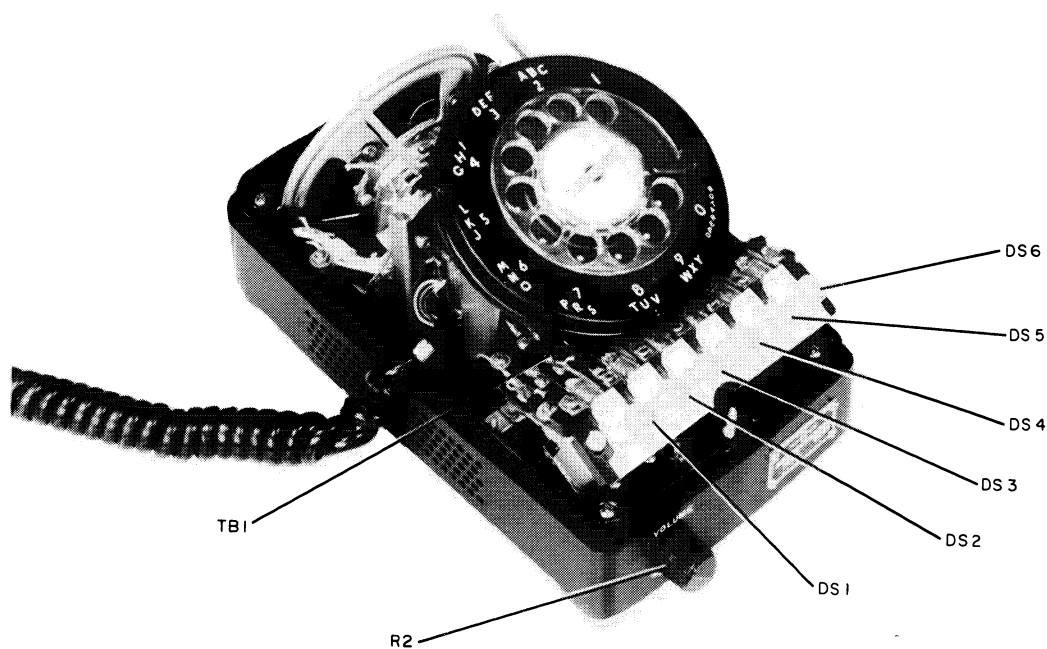


Figure 6-7 Control Unit 48A1-SW, Front View, Keyed

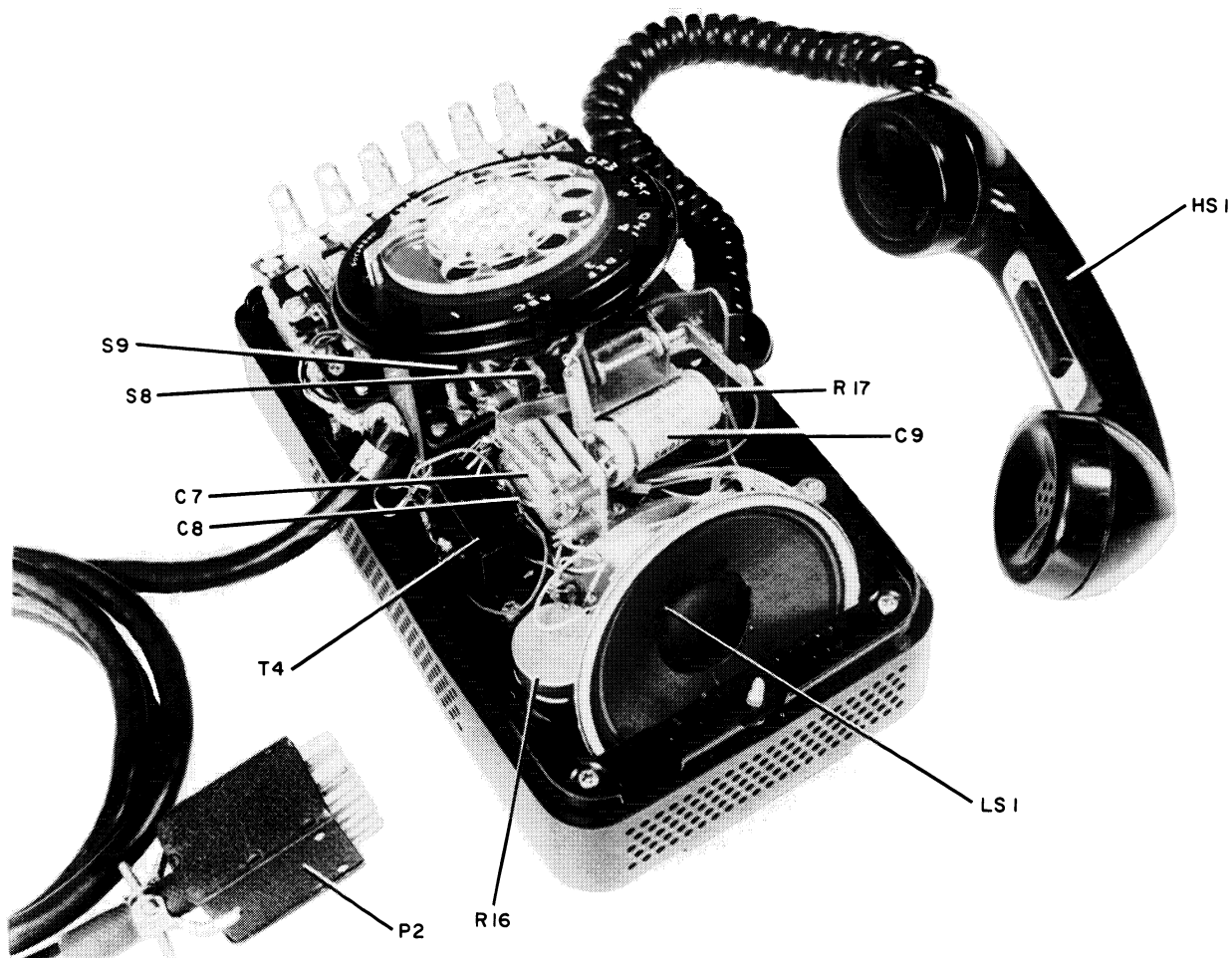


Figure 6-8 Control Unit 48A1-SW, Rear View, Keyed

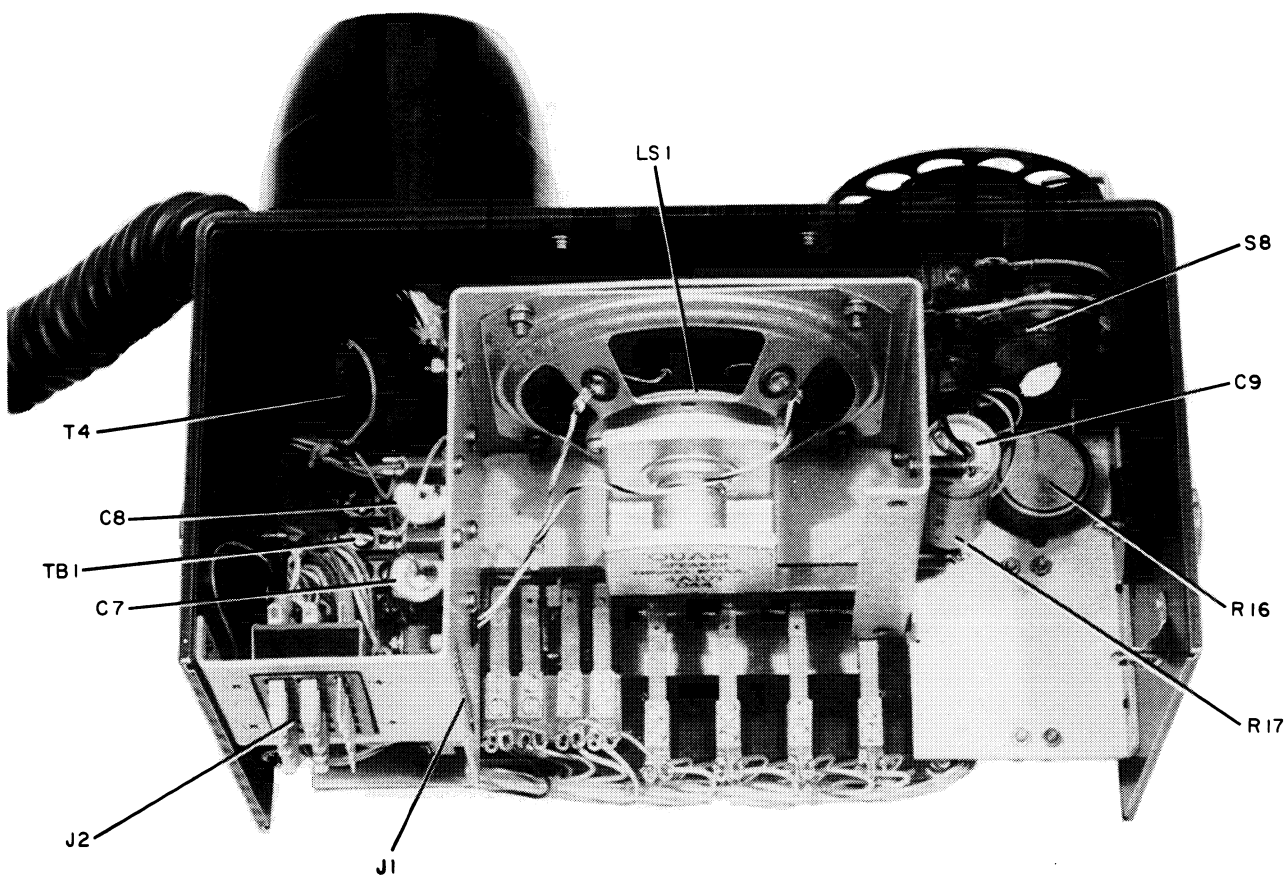


Figure 6-9 Control Unit 48B2-SW, Top View, Keyed

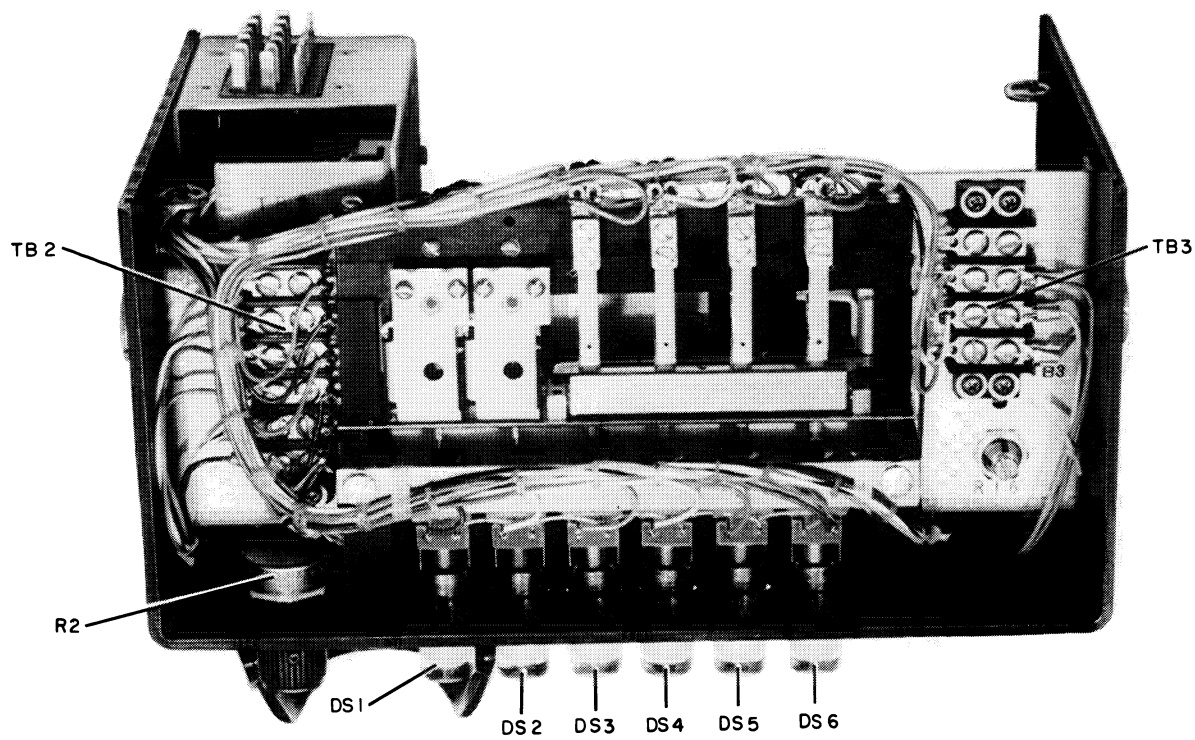


Figure 6-10 Control Unit 48B2-SW, Bottom View, Keyed

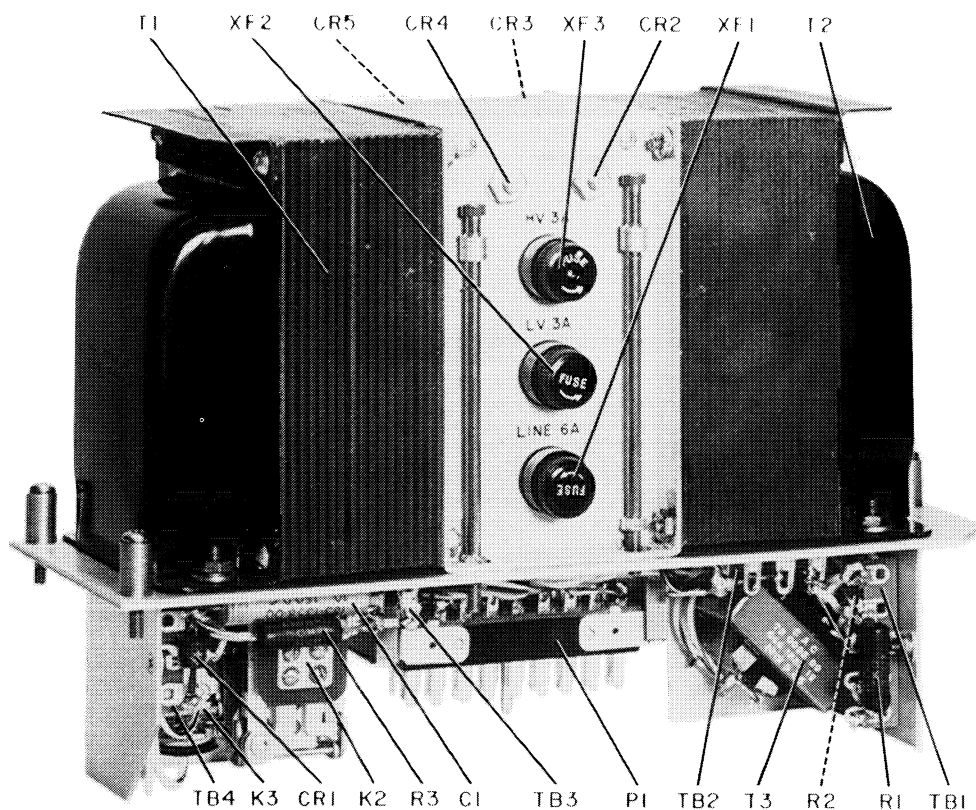


Figure 6-11 115 Volt A-C Power Supply, Overall View, Keyed

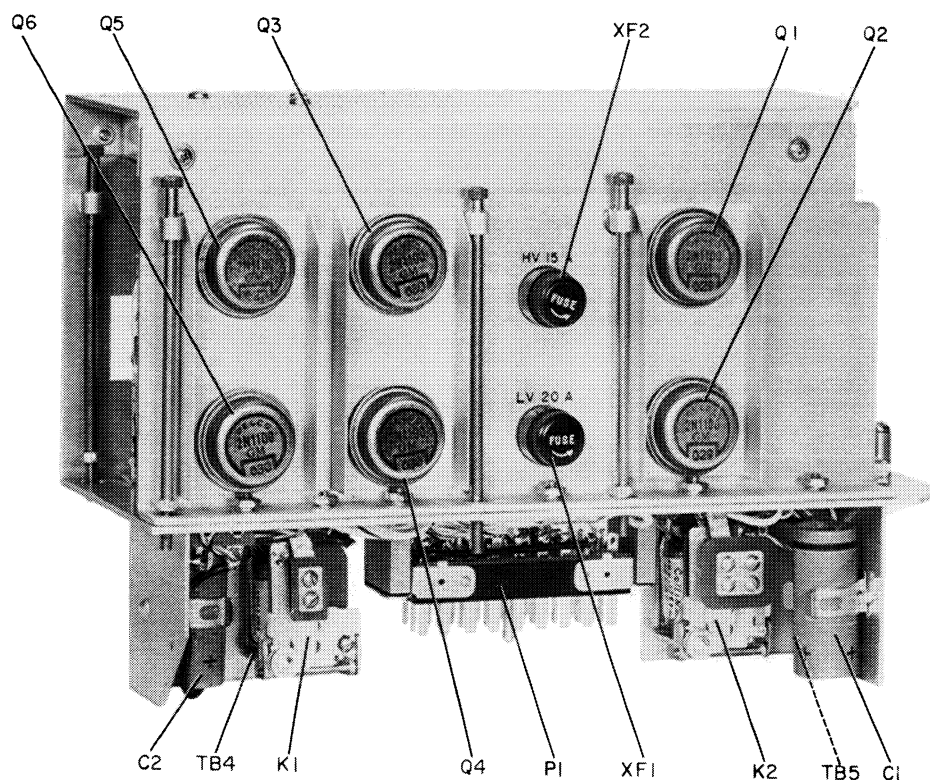


Figure 6-12 12 Volt D-C Power Supply, Overall View, Keyed

SECTION VI
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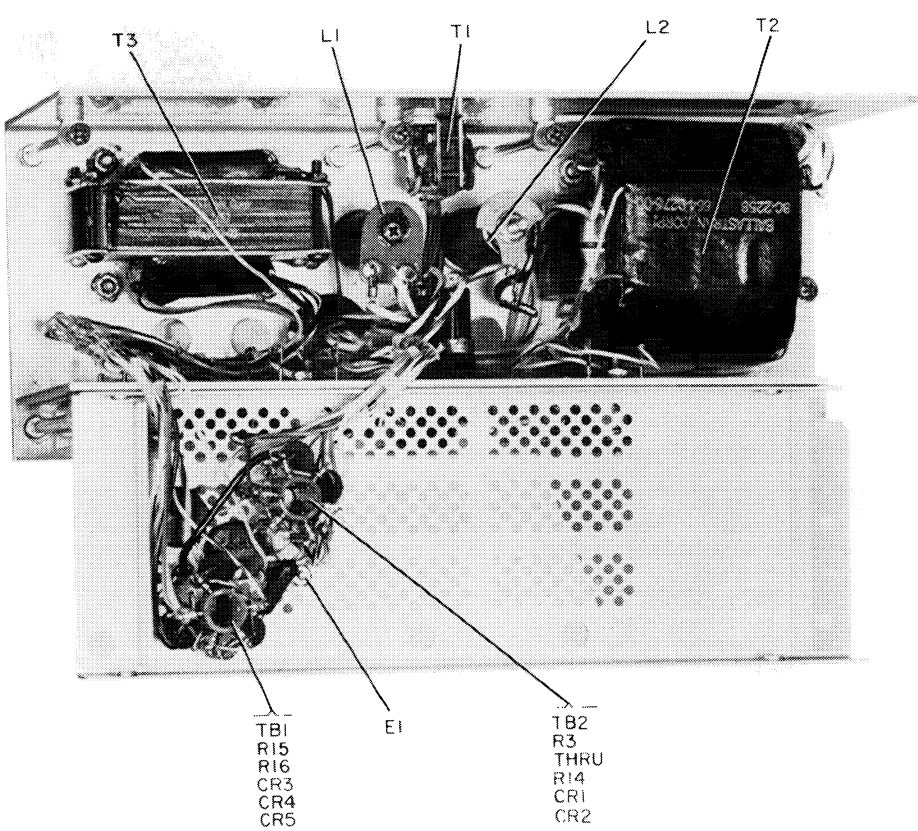


Figure 6-13 12 Volt D-C Pow - Supply, Inside View, Keyed

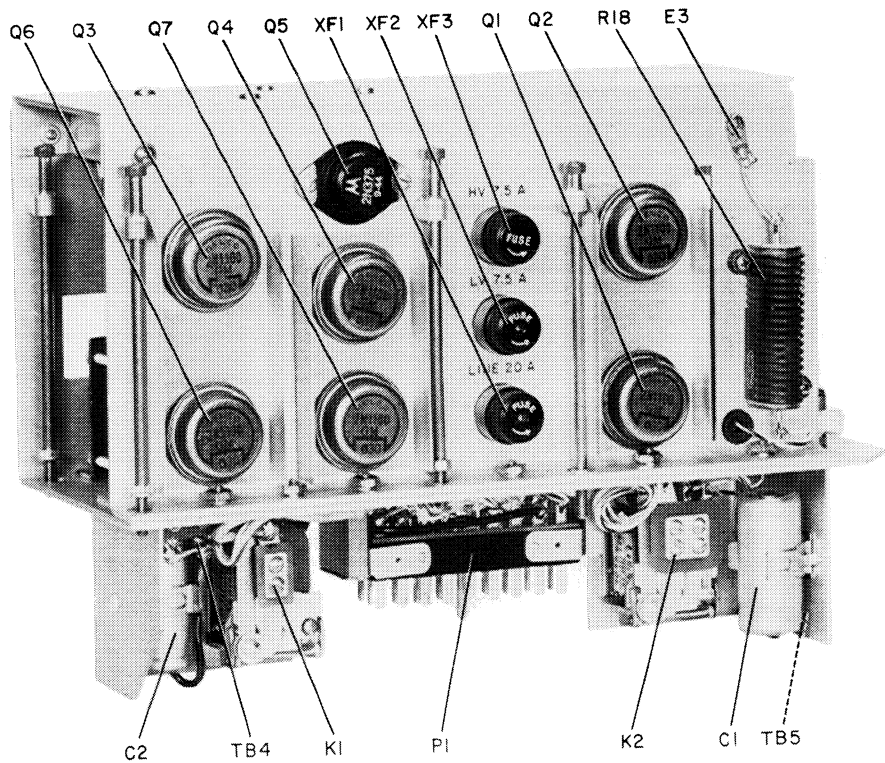


Figure 6-14 28 Volt D-C Power Supply, Overall View, Keyed

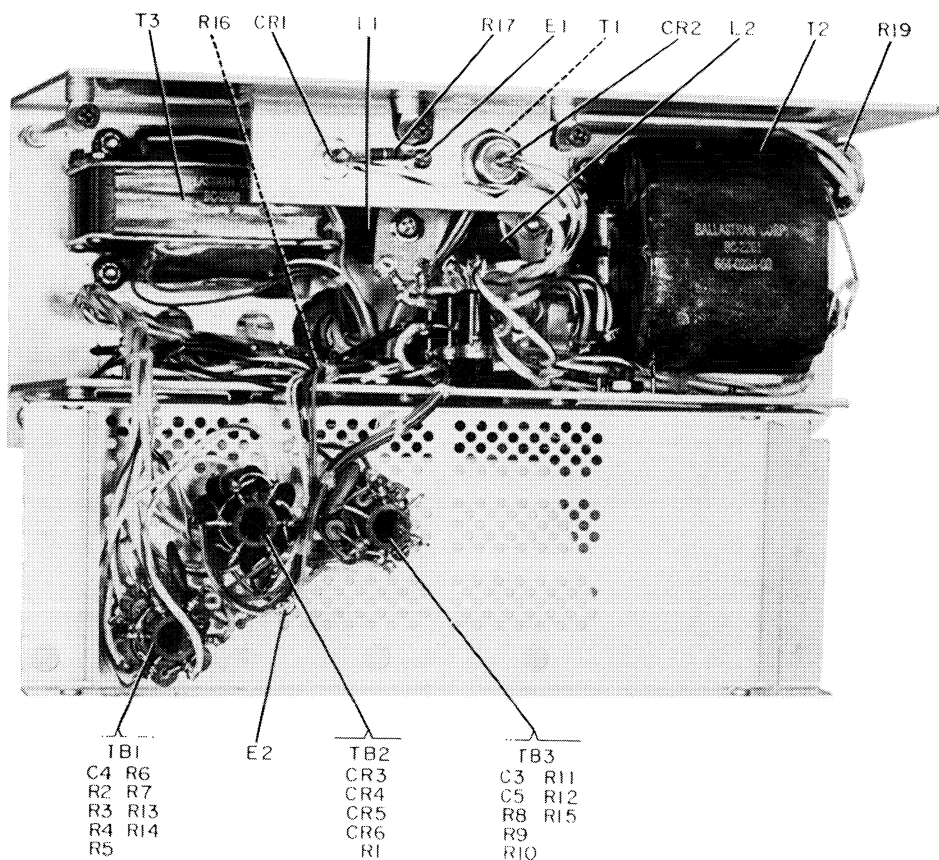


Figure 6-15 28 Volt D-C Power Supply, Inside View, Keyed

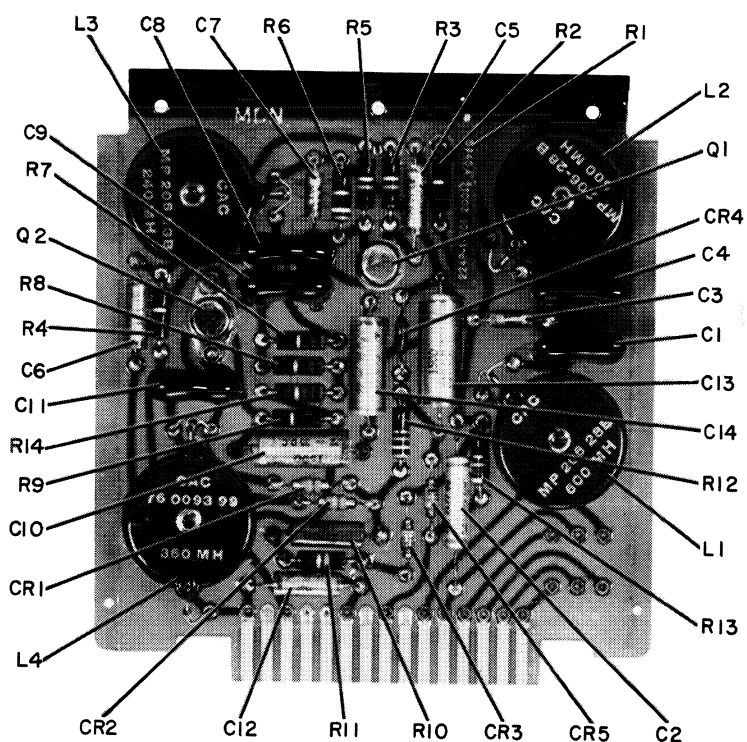


Figure 6-16 Automatic Receiver Gain Control Board, Top View, Keyed

