TECHNICAL MANUAL

FOR

TRANSMITTING SET, RADIO

MODEL GPT-10K

VOLUME II

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Addendum #4 to
GPT-10K Maintenance
Manual (IN-316)

MODIFICATIONS FOR GPTM-10KAC

When the items listed below are incorporated in text, the GPT-10K instruction manual (IN-316) will apply as written.

1. Replace Figure 6-1 with CK-1600 and CK-1597 supplied with this addendum.

2. Delete Parts List for Auxiliary Frame Assembly Page 5-33 through 5-38, and replace with new printed parts list provided in this addendum.

3. Delete figure 3-9 page 3-30.

4. Delete the following from RFC parts list included in change Notice Number eight:

   C-259
   C-272
   C-274

Addendum #3 to
GPT-10K Maintenance
Manual (IN-316)

MODIFICATION OF

POWER-INPUT CIRCUITS

Power-input circuits of the GPT-10K transmitter have been modified to accept high-voltage or low-voltage, 50 or 60, cps input power.

When the items listed below are incorporated in text, the GPT-10K instruction manual (IN-316) will apply as written.

1. Because Elapsed Time Meter M700 located on the relay panel is a 60 cps device, it is only 83-1/3% accurate when the transmitter is operated on 50 cps power. In order to calculate the correct elapsed time for 50 cps power, multiply the time indicated on meter M7601 by 6/5.

2. Page 1-1. Table 1-1.

   Change entry for high voltage rectifier to read:

   High Voltage Rectifier AX-103
   or
   High Voltage Rectifier, Model HVRC-2

3. Page 1-2.

   Change to read:

   (5) 10-kw High Voltage Rectifier. - The 10-kw high voltage rectifier, slide-mounted below the main power panel, provides +7500 vdc for the plate of the 10-kw PA tube. The unit also provides half-wave rectification for the 3200-volt section of the main power supply. Either a gaseous-tube unit (High Voltage Rectifier AX-103) or a solid-state unit (High Voltage Rectifier, Model HVRC-2) is supplied. Heavy

insulated button connectors at the rear of the unit provide quick disconnection for drawer removal.

4. Page 1-3. TECHNICAL CHARACTERISTICS (Cont'd)

Change to read:

Primary power requirements (including exciter)	3-phase, 195-240/ 390-480v, 50-60 cps, 50/25 amperes/phase

5. Tables 1-2 (ELECTRON TUBE COMPLEMENT), 1-3 (DIODE COMPLEMENT), and 1-4 (FUSE COMPLEMENT) on page 1-3 should be changed as indicated below:

a. Table 1-2.
Add asterisk (*) adjacent V600-V605

b. Table 1-4.
Add asterisk (*) adjacent F600-F605

c. Table 1-3.
Add:

REFERENCE SYMBOL	TYPE
*CR1501, CR1502, CR1503	DD117

d. Add footnote on bottom of page 1-3.

*Tubes V600-V605 and Fuses F600-F605 are part of High Voltage Rectifier AX-103. Diode assemblies CR1501-CR1503 are part of High Voltage Rectifier, Model HVRC-2.

6. Page 2-0. 2-1. OVERALL BLOCK DIAGRAM ANALYSIS

The third paragraph should be changed to read:

The 10-kw high voltage rectifier functions together with Main Power Panel AX-504 and Main Power Supply AX-138 to produce high d-c voltages required by the 1-kw IPA and 10-kw PA.

7. Page 2-1.

Remove page 2-1 of the manual and replace with page 2-1 provided with this addendum.

8. Page 2-18.

The title of paragraph 2-10 should be changed to read:

10-KW HIGH VOLTAGE RECTIFIER AND MAIN POWER SUPPLY.

9. Page 2-18. a. POWER INPUT CIRCUITS.

The first and second sub-paragraphs should be changed to read:

Three-phase a-c power enters the main frame of the transmitter via auto transformer T802. The output of T802 (230 vac) is routed to MAIN POWER circuit breaker CB1000. Phase-2 and phase-3 voltages from T802 are routed to the auxiliary frame. Both of these power distribution lines have pi-type r-f filters.

In the auxiliary frame, AUXILIARY FRAME MAIN POWER circuit breaker CB3000 applies the 230-volt output of T802 to a step-down transformer. In synthesized transmitters, an auto transformer T3002 is supplied; in non-synthesized transmitters, a regulating transformer T3000 is supplied. The output of the step-down transformer (115 vac) is routed to the exciter units. This 115 vac power is also routed to Front Fan B3000 via FRONT FAN fuse F3000. Capacitor C3018 is used for starting the fan motor.

10. Page 2-20. b. HIGH VOLTAGE RECTIFIER CIRCUIT.

The first and second sub-paragraphs should be changed to read:

The 10-kw high voltage rectifier contains a 3-phase bridge circuit that provides +7500 vdc output. Either a gaseous-tube or solid-state rectifier is supplied. (Refer to applicable equipment manual.)

The high-voltage rectifier also provides half-wave rectification for the 3200-volt circuit. This output is taken from the neutral terminal of transformer T800. Three-phase high voltage input to the high-voltage rectifier is via terminals E1004, E1005, and E1006. Output from the rectifier is via terminals E1001 and E1007. When a gaseous-tube rectifier is used, filament primary voltage is routed via terminals E1002 and E1003.

11. Page 2-21.

The following note should be added to figure 2-12.

NOTE

For the schematic diagram of the solid-state rectifier, refer to the HVRC-2 instruction manual.

12. Page 3-12. Table 3-4.

The "NOTE" contained in table 3-4 (page 3-12) should be changed to read:

NOTE

Make the following short-circuit tests on High-Voltage Rectifier AX-103 only. For troubleshooting information pertaining to the solid-state power supply, refer to the HVRC-2 instruction manual.

13. Page 3-23. Paragraph 3-8 (HIGH VOLTAGE RECTIFIER AX-103 AND MAIN POWER SUPPLY)

The following note should be added to paragraph 3-8:

NOTE

Troubleshooting information pertaining to the solid-state power supply is contained in the HVRC-2 manual.

GPTM-10KAC

AUXILIARY FRAME FINAL ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
P3054	CONN, PL	MS3107B20-27P
P3000	CONN, PL	MS3106B20-29P
XF3000	FUSEHOLDER, IND	FH104-3
F3000	FUSE, CTG	FU102-.5
P3004	CONN, PL	MS3106A14S-2P
P3008	CONN, PL	MS3106A14S-2P
P3038	CONN, PL	MS3106B20-27P
P3039	CONN, PL, FML, ANG	PL186
K3000	REL, SOL. -3P	RL130-1
K3001	REL, SOL. -3P	RL130-2
R3000	HEATING ELEMENT	RR127-1
R3001	HEATING ELEMENT	RR127-1
R3002	HEATING ELEMENT	RR127-1
CB3000	CKT BRK-DPST	SW251
E3010	TERM, INS	TE0114-2
E3011	TERM, INS	TE0114-2
E3012	TERM, INS	TE0114-2
E3013	TERM, INS	TE0114-2
E3014	TERM, INS	TE0114-2
E3015	TERM, INS	TE0114-2
E3016	TERM, INS	TE0114-2
E3017	TERM, INS	TE0114-2
E3018	TERM, INS	TE0114-2
E3019	TERM, INS	TE0114-2

AUXILIARY FRAME FINAL ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
MP3001	FIL, AIR COND	AD103-2
MP3002	FIL, AIR COND	AD103-2
MP3000	FIL, AIR COND	AD103-4
B3000	FAN, AXIAL	BL105
B3001	FAN, AXIAL	BL105
DS3000	BUZZER	BZ100
C3025	CAP., FXD, MICA	CM20F102G03
C3027	CAP., FXD, MICA	CM20F102G03
C3028	CAP., FXD, MICA	CM20F102G03
C3029	CAP., FXD, MICA	CM20F102G03
C3030	CAP., FXD, MICA	CM20F102G03
C3031	CAP., FXD, MICA	CM20F102G03
C3032	CAP., FXD, MICA	CM20F102G03
C3033	CAP., FXD, MICA	CM20F102G03
C3034	CAP., FXD, MICA	CM20F102G03
C3035	CAP., FXD, MICA	CM20F102G03
C3036	CAP., FXD, MICA	CM20F102G03
C3037	CAP., FXD, MICA	CM20F102G03
C3038	CAP., FXD, MICA	CM20F102G03
C3017	CAP., FXD, POLARIZED	CP41B1FF405K
C3018	CAP., FXD, POLARIZED	CP41B1FF405K
P3083	CONN, PL, FML, AC	PL176
	CONN, PL	MS3107B20-27P
	CONN, PL	MS3106B20-29P
P3082	CONN, PL	MS3106B16SIS

GPTM-10KAC

AUXILIARY FRAME FINAL ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
T3002	XFMR, PWR, AUT	TF275
M3003	TIMER, INTERVAL	TI100
TB3003	TERM BD-BARR	TM100-8
TB3001	TERM BD-BARR	TM100-14
TB3002	TERM BD-BARR	TM100-14
E3003	TERM, BD-BARR	TM102-4
CR3000	SCOND DEV DIO	IN547
W3002	CBL ASSY, PWR, AC	CA581-2
W3003	CBL ASSY, PWR, AC	CA581-2
W3004	CBL ASSY, PWR, AC	CA581-2
W3010	CBL ASSY, PWR, AC	CA555-4
W3005	CBL ASSY, PWR, AC	CA575-1-12
W3007	CBL ASSY, PWR	CA452
W3008	CBL ASSY, PWR AC	CA680
W3009	CBL ASSY, PWR AC	CA683
W3000	WRG HARN, BRCHD	CA1481
W3001	WRG HARN, BRCHD	CA1482
P3070	CONN, PL	MS3106A16S-5S
P3074	CONN, PL	MS3106A16S-5S
P3063	CONN, PL, ML, AC	PL218
P3060	CONN, PL, ML, AC	PL218
P3064	CONN, PL, ML, AC	PL218
P3062	CONN, PL, ML, AC	PL218
P3061	CONN, PL	PL218

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
P3069	CONN, PL	MS3106B20-27S
P3065	CONN, PL	MS3106A16S1S
P3052	CONN, RECP, RF, BNC	JJ172
P3037	CONN, RECP, RF, BNC	JJ172
P3002	CONN, RECP, RF, BNC	JJ172
P3003	CONN, RECP, RF, BNC	JJ172
P3001	CONN, RECP, RF, BNC	JJ172
P3049	CONN, RECP, RF, BNC	JJ172
P3066	CONN, PL, RF, BNC	PL244-1
P3067	CONN, PL, RF, BNC	PL244-1
P3068	CONN, PL, RF, BNC	PL244-1

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
B201	BLOWER, motor and fan: 115/230v, 50/60 cps, single phase; 3200 RPM; 4 ufd capacitance; clockwise rotation from shaft end of motor	BL103
C201	CAPACITOR, fixed: mica; button type; 1000 uufd, ±10%, 300 wvdc, char. W	CB21QW102K
C202	CAPACITOR, variable: ceramic; 7-45 uufd, char. C	CV11C450
C203	CAPACITOR, variable: air dielectric; 12.5-270 uufd; one section	CB139-1
C204	Same as C201	
C205	CAPACITOR, fixed: mica; 1000 uufd, ±2%, 500 wvdc	CM20F102G03
C206 thru C208	Same as C201	
C209	CAPACITOR, fixed: ceramic; feedthru type; 2000 uufd, ±20%, char. A, 500 wvdc	CK70AW202M
C210	Same as C209	
C211	CAPACITOR, fixed: mica; 1600 uufd, ±2%, 500 wvdc	CM100-11
C212	Same as C209	
C213	Same as C201	
C214	Same as C205	
C215	Same as C209	
C216	CAPACITOR, fixed: mica; 5 uufd, ±10%, char. C, 300 wvdc	CM15C050J03YY
C217	CAPACITOR, fixed: mica, 47 uufd, ±10%, char. B, 300 wvdc	CM15C470J03
C218	Same as C201	
C219	Same as C209	
C220	CAPACITOR, fixed: mylar; .1 ufd, ±5%, 200 wvdc	CN108C104J
C221	CAPACITOR, fixed: mica; 10,000 uufd, ±1%, 300 wvdc	CM35F103F03
C222	Same as C221	
C223	Same as C209	
C224	Same as C209	
C225	Same as C201	
C226	CAPACITOR, fixed: mica; 100 uufd, ±2%, 500 wvdc	CM15F101G03
C227	CAPACITOR, fixed, mica dielectric: 1,000 uuf, ±5%, 500 wvdc	CM45B102J03
C228	Same as C201	
C229	CAPACITOR, variable: ceramic, 1.5-7 uuf, char. A	CV11A070
C230	Same as C205	
C231	CAPACITOR, variable: air dielectric; 3.2-50 uufd, 1 section, 14 plates; 500 wvdc	CT104-1
C232	CAPACITOR, variable: air dielectric; 12.5-270 uuf; single section	CB139-3
C233	Same as C201	
C234	Same as C205	

RF AMPLIFIER

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
C235	Deleted	
C236	Deleted	
C237	Same as C221	
C238	Same as C220	
C239	Same as C209	
C240	Same as C201	
C241	CAPACITOR, fixed: mica; button type; 150 uufd, ±10%, 300 wvdc, char. W	CB21QW151K
C242	CAPACITOR, fixed: ceramic; 3 uufd, ±0.25 uufd, char. SL, 500 wvdc	CC21SL030C
C243	Same as C209	
C244	Deleted	
C245	Same as C220	
C246	Same as C201	
C247	CAPACITOR, fixed: ceramic; 500 uuf, ±20%, 5,000 wvdc, 6-32 tapped studs each end. Part of XV203	CC109-36
C248	Same as C201	
C249	Same as C209	
C250	Same as C209	
C251	CAPACITOR, fixed: mica; button type; 270 uufd, ±10%, char. W, 300 wvdc	CB21QW271K
C252	Same as C205	
C253	CAPACITOR, fixed: trylar; 500 ufd, ±10%, 8000 wvdc	CX102K501P
C254	CAPACITOR ASSEMBLY, vacuum: variable; 5-750 uuf, 42 amps RMS, with bevel gear	AM111
C255	KIT, capacitor: replacement; consisting of 1 each - stator plate assy., and rotor assy	AC113
C256	Deleted	
C257	CAPACITOR, fixed: ceramic; 3 uufd, ±10%, 5000 wvdc	CC109-1
C258	CAPACITOR, fixed: trylar; .01 ufd, ±5%, 4000 wvdc	CX102J103M
C259	CAPACITOR, fixed: ceramic; 1000 uuf, ±10%, 5000 wvdc	CC109-38
C260	Same as C258	
C261	CAPACITOR, fixed: mica; 510 uufd, ±2%, 500 wvdc	CM15F511G03
C262	Same as C201	
C263	Same as C201	
C264 thru C266	Same as C209	
C267	Same as C220	

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
C268	Same as C201	
C269	CAPACITOR ASSEMBLY, vacuum: variable; 7-1000 uufd, w/bevel gear	AM100
C270	Same as C257	
C271	Same as C241	
C272	Same as C259	
C273	CAPACITOR, fixed: ceramic; 10 uufd, ±10%, 5000 wvdc	CC109-8
C274	Same as C259	
C275	Same as C253	
C276	Same as C209	
C277	Deleted	
C278	Same as C209	
C279	Same as C209	
C280	Deleted	
C281	Deleted	
C282 thru C284	Same as C209	
C285 thru C287	Same as C247, part of XV203	
C288	Same as C209	
C289	Same as C209	
C290 thru C295	Same as C221	
C296	CAPACITOR, FIXED, PORCELAIN DIELECTRIC: 2,000 uuf, ±5%, 500 wvdc	CC113-2-202J
C297	Same as C296	
C298	CAPACITOR, FIXED, PORCELAIN DIELECTRIC: 1,000 uuf, ±5%, 500 wvdc	CC113-1-102J
C299	Same as C298	
C300	Same as C296	
C301	Same as C296	
CR201	DIODE, germanium: .140 dia. x .350 lg; 1" lg. wire leads	1N67
CR202	Same as CR201	
CR203	DIODE, bonded silicon: .265 x .155 x .255 o/a; 1" lg. wire leads	1N303
CR204	Same as CR203	
CR205	Same as CR203	
E201	TERMINAL STRIP, barrier lug type: 3 terminals, 6-32 screws on front, solder lugs in rear; black phenolic body	TM100-3

RF AMPLIFIER

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
E202	TERMINAL STRIP, barrier lug type: 4 terminals, 6-32 screws on front, solder lugs in rear; black phenolic body	TM100-4
E203	CONTACT, electrical: consists of 1 brass nickel plated button contact with 10-32 threaded rod; 2 ceramic insulators; 1 teflon gland; 2 fiber washers; 1 neoprene washer; 1 flat washer; 1 lockwasher; and 1 hex nut	AX241
EV201	SHIELD, ELECTRON TUBE	TS128-6
J201	CONNNECTOR, receptacle: series UHF, teflon dielectric	SO239A-TEF
J202	CONNECTOR, receptacle: female; teflon insulation	UG560*/U
J203	CONNECTOR, receptacle: male; pin type	MS3102A18-16P
J204	Deleted	
L201	COIL, R.F.: tuned; 2-4 mc, Q = 60 at 2.5 mc	CL181
L202	COIL, R.F.: tuned; 4-8 mc, 4.5 to 7.5 uhy	CL150
L203	COIL, R.F.: fixed; 128 uhy, ±10% Q = 100	CL177
L204	Same as L203	
L205	Same as L203	
L206	Same as L203	
L207	COIL, R.F.: fixed; 4.5 uhy	CL134-1
L208	Not used	
L209	COIL, R.F.: tuned; 8-16 mc; 1.3 to 1.6 uhy	CL175
L210	COIL, R.F.: tuned; 16-20 mc	CL145
L211	COIL, R.F.: tuned; 20-28 mc; .32 to .45 uhy	CL144
L212	Same as L203	
L213	COIL, R.F.: 750 uhy, ±20%, 100 ma max. current; DC res. approx. 17 ohms, bakelite body	CL100-5
L214	Same as L203	
L215	COIL, R.F.: fixed; 26 uhy	CL180
L216 thru L218	Same as L203	
L219	COIL, R.F.: tuned; 2-4 mc; L = 10 uhy, Q = 40	CL173
L220	COIL, R.F.: tuned; 4-8 mc	CL159
L221	Same as L207	
L222	Same as L213	
L223	COIL, R.F.: tuned; 8-16 mc	CL146
L224	COIL, R.F.: tuned; 16-20 mc	CL147
L225	COIL, R.F.: tuned; 20-28 mc	CL148
L226	Same as L203	

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
L227	COIL, R.F.: fixed; 1.1 uhy	CL139
L228	Same as L203	
L229	Same as L215	
L230	Same as L215	
L231	Same as L203	
L232	Same as L203	
L233	Same as L213	
L234	COIL, R.F.: fixed; 36 uhy	CL152
L235	COIL, R.F.: fixed; 185 uhy	CL178
L236	Deleted	
L237	COIL, filament: fixed; L-Nom. 3.0 (2.9-3.1), Q greater than 35; F - 2 mc	CL171
L238	Same as L213	
L239 thru L241	Same as L203	
L242	Same as L215	
L243	Same as L215	
L244	Same as L213	
L245	COIL, R.F.: IPA tank, 12-28 mc	CL143
L246	COIL, R.F.: IPA tank, single layer, wound type, 23 turns CW	CL174
L247	Same as L203	
L248	Same as L213	
L249	Same as L203	
L250	Same as L203	
L251	Same as L235	
L252	Same as L235	
M201	METER, DC: 0-750 milliamps	MR110-750S
M202	METER, DC: 0-5, 0-25; -20 +30 ma scales	MR124
P201	CONNECTOR, receptacle: male	MS3106B32-7P
PS201	SUPPRESSOR, parasitic	AX163
PS202	SUPPRESSOR, parasitic	AX164
R201	RESISTOR, fixed: composition, 20 megohms, ±5%, 2 watts	RC42GF206J
R202	RESISTOR, fixed: composition, 6800 ohms, ±5%, 1 watt	RC32GF682J

RF AMPLIFIER

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
R203	RESISTOR, fixed: composition; 300 ohms, ±5%, 2 watts	RC42GF301J
R204	RESISTOR, fixed: composition; 47,000 ohms, ±5%, 1 watt	RC32GF473J
R205	Same as R204	
R206	RESISTOR, fixed: composition; 47 ohms, ±5%, 1/2 watt	RC20GF470J
R207	Same as R206	
R208	RESISTOR, fixed: composition; 680 ohms, ±5%, 1/2 watt	RC20GF681J
R209	RESISTOR, fixed: composition; 82,000 ohms, ±5%, 1/2 watt	RC20GF823J
R210	RESISTOR, fixed: composition; 220 ohms, ±5%, 1/2 watt	RC20GF221J
R211	Same as R201	
R212	RESISTOR, fixed: composition; 12 ohms, ±5%, 1/2 watt	RC20GF120J
R213	Same as R208	
R214	RESISTOR, fixed: composition; 220,000 ohms, ±5%, 2 watts	RC42GF224J
R215	RESISTOR, fixed: composition; 15 megs, ±5%, 1/2 watt	RC20GF156J
R216	RESISTOR, fixed: composition; 100,000 ohms, ±5%, 1/2 watt	RC20GF104J
R217	Same as R201	
R218	RESISTOR, fixed: composition; 1.1 megs, ±5%, 1/2 watt	RC20GF115J
R219	RESISTOR, fixed: composition; 2200 ohms, ±5%, 1/2 watt	RC20GF222J
R220	RESISTOR, fixed: composition; 8200 ohms, ±5%; 1 watt	RC32GF822J
R221	RESISTOR, fixed: composition; 10 megs, ±5%, 1/2 watt	RC20GF106J
R222	RESISTOR, fixed: composition; 12 ohms, ±5%; 2 watts	RC42GF120J
R223	RESISTOR, fixed: composition; 180,000 ohms, ±5%, 1 watt	RC32GF184J
R224	RESISTOR, fixed: composition; 10,000 ohms, ±5%, 2 watts	RC42GF103J
R225	RESISTOR, fixed: composition; 5.1 megs, ±5%, 1/2 watt	RC20GF515J

RF AMPLIFIER

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
R226	RESISTOR, fixed: composition; 3300 ohms, ±5%, 1/2 watt	RC20GF332J
R227	RESISTOR, fixed: composition; 390,000 ohms, ±5%, 1/2 watt	RC20GF394J
R228	RESISTOR, variable: composition; 50,000 ohms, ±10%, 2 watts, with locking bushing	RV4LAYSA503A
R229	RESISTOR, fixed: composition; 12,000 ohms, ±5%, 1/2 watt	RC20GF123J
R230	RESISTOR, fixed: composition; 270,000 ohms, ±5%, 1/2 watt	RC20GF274J
R231	RESISTOR, fixed: composition; 150,000 ohms, ±5%, 1 watt	RC32GF154J
R232	RESISTOR, fixed: composition; 47,000 ohms, ±5%, 1/2 watt	RC20GF473J
R233	RESISTOR, fixed: composition; 39,000 ohms, ±5%, 1/2 watt	RC20GF393J
R234	Same as R201	
R235	RESISTOR, fixed: composition; 22,000 ohms, ±5%, 2 watts	RC42GF223J
R236	Same as R201	
S201A, B, C, D	SWITCH, rotary: 2 sections, 5 positions; 30° angle of throw; micalex insulation, silver plated contacts	SW258
S202	SWITCH ASSEMBLY, rotary: dual section; 9 positions, 1 pole each section, steatite insulation, nickel silver shaft	AS118
S203	SWITCH, rotary: 8 contacts, 30° angle of throw, steatite insulation, nickel silver shaft	AS101
S204	SWITCH, rotary: 2 sections; 8 positions, 30° angle of throw, micalex insulation, silver plated contacts	SW245
S205	SWITCH,push button: momentary contacts, NC, SPST; 15 amp at 125, 250 or 460 VAC; 1/2 amp at 125 VDC, 1/4 amp at 250 VDC	SW169
S206	SWITCH, rotary: low torque microswitch; counterclockwise direction of rotation; SPDT, 5 amp, 125 or 250 VAC	SW252
V201	TUBE, electron: power pentode; miniature 9 pin	6CL6
V202	TUBE, electron: beam power pentode; octal	6146
V203	TUBE, electron: power tetrode	TV100

RF AMPLIFIER

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
XV201	SOCKET, tube; miniature 9 pin	TS103P01
XV202	SOCKET, tube; octal	TS101P01
XV203	SOCKET: consists of C247, 285, 286, 287 built in	TS142
MP201	CLIP, electrical: white ceramic; phosphor bronze spring clip to fit a 3/8" dia. tube cap; 1-1/8" lg x 5/8" o/d x 9/16" high o/a	HB102-2
MP202	Not Used	
MP203	GEAR, miter: 600" pitch dia., 20 pitch, 12 teeth; for 1/4" shaft, steel	GR116
MP204	Same as MP203	
MP205	GEAR, miter: 600" pitch dia., 20 pitch, 12 teeth; for 1/8" shaft, steel	GR139
MP206	Same as MP205	
MP207	Not Used	
MP208	GEAR, bevel: 1.750" pitch dia., 12 pitch, 21 teeth; for 1/2" shaft, steel	GR140
MP209	Same as MP208	
MP210	COUPLING, fixed: 7/16" dia. x 3/4" lg; for 1/4" shaft; four 6-32 Allen head screws, brass	MC102
MP211 thru MP213	Same as MP210	
MP214	COUPLING, flexible: non-insulated; 1-1/4" dia. x 13/16" lg.; for 1/4" shaft; four 6-32 x 3/16" lg. Allen head screws	MC124
MP215	Same as MP214	
MP216	Same as MP214	
MP217	INSULATOR, pillar type, round; white glazed steatite	NS3W0206
MP218 thru MP221	Same as MP217	
MP222 thru MP224	Not Used	
MP225	INSULATOR, pillar type, round: white glazed steatite	NS3W0308
MP226	Same as MP225	

RF AMPLIFIER

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
MP227	Same as MP225	
MP228 thru MP232	Not Used	
MP233	INSULATOR, pillar type, round: white glazed steatite	NS3W0312
W201	WIRING HARNESS, BRANCHED	CA1025

HIGH VOLTAGE RECTIFIER ASSEMBLY

REF SYMBOL	DESCRIPTION	TMC PART NUMBER
C600	CAPACITOR, fixed: mica; .01 ufd, ±10%, 300 wvdc. char. B	CM35B103K
C601	Same as C600	
C602 thru C613	Not Used	
DS600	Not a replaceable item. Part of XF600	
DS601	Not a replaceable item. Part of XF601	
DS602	Not a replaceable item. Part of XF602	
DS603	Not a replaceable item. Part of XF603	
DS604	Not a replaceable item. Part of XF604	
DS605	Not a replaceable item. Part of XF605	
E600	Not a replaceable item, see W600	
E601	Not a replaceable item, see W601	
E602	Not a replaceable item, see W602	
E603	Not a replaceable item, see W603	
E604	Not a replaceable item, see W604	
E605	Not a replaceable item, see W605	
E606	CONTACT ASSY., brass, nickel plate; 7/8" dia. x 1/2" long button; w/threaded shaft, 1/4-20 thds	AX172