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Chapter 7 - Parts List

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7.1 INTRODUCTION

7.1.1

This chapter provides reference data on the parts comprising Radio Receiver R-390A/URR. The data is in tabular form and is intended to supplement the troubleshooting, maintenance, and repair information in other chapters.

7.1.2

Reference designations have been assigned to identify all maintenance parts of the equipment. They are used for marking the equipment (adjacent to the part they identify) and are included on drawings, diagrams, and the parts list. The letters of a reference designation indicate the kind of part (generic group), such as resistor, capacitor, electron tube, etc. The number differentiates between parts of the same generic group. Sockets associated with a particular plug-in device, such as an electron tube or a fuse, are identified by a reference designation which includes the reference designation of the plug-in device. For example, the socket for fuse F101 is designated XF101.

7.1.3

Table 7-1 lists the major units of Radio Receiver R-390A/URR, that is, the main frame and six removable subassemblies. Each unit has been assigned a group of numbers to be used in the reference designation for the detail parts of that unit.

7.1.4

Table 7-2 lists the parts required to maintain the receiver. The maintenance parts are listed numerically by groups and alphanumerically within groups. The following information is provided by table 7-2: (1) reference designation of the part; (2) reference to explanatory notes (see paragraph 7.1.7); (3) description of the part with part number and manufacturer's code; and (4) identification of the illustration which pictorially locates the part. In addition, the attaching hardware for each part is listed following the listing of the associated part.

7.1.5

Table 7-3 lists the manufacturers of parts used in the equipment. The table includes the manufacturer's code used in table 7-2. The code is contained in Federal Supply Code for Manufacturers, H4-1.

7.1.6

The Allowance Parts List (APL) issued by the Electronics Supply Office (ESO) includes Federal Stock Numbers and Source Maintenance Recoverability Codes. Therefore, reference should be made to the APL prepared for the equipment for stock numbering information.

7.1.7

The following notes are referenced in superscript no the individual part number.

Note 1: See equipment modification chart (paragraph 1.5.2).

Note 2: Tuning cores E213 through E226-3 do not come with their respective transformers and coils. These items must be ordered separately.

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Note 3: Elapsed time indicator applies to certain ships only, and is supplied with field change (FC) No. 8 (table 1-8).

Note 4: Resistors R502 and R503 are selected for optimum bandpass. R502 is selected within the range of 33 to 63k, R503 in the range of 560 to 2700 ohms.

Note 5: "AN" type connectors supplied with FC No. 3 for shipboard only.

Note 6: Diode Test Jack supplied with FC No. 4 for shipboard only.

Note 7: Rectifier tubes V801 and V802 replaced with diodes by FC No. 6 for shipboard only.

Note 8: FC No. 7 changes R210 and R702 to 220k for shipboard installations in Supplementary Radio Spaces only.

Note 9: For 230 VA supply, F101 value is changed to 1-1/2 amp.

Note 10: There is a severe error in the 1956 Army R390-A manual. It says not to substitute type 6C4W for a 6C4. It stated that the differences in characteristics are such that the type 6C4W will not operate properly in the receiver. Navships 1970 manual lists the 6C4W as the tube to use.

The "W" and "WA" postscript designations refer to mechanical ruggedization specifications. Cross-checking of tube reference data bases confirm that the electrical specifications of all types are identical. A "ruggedized" or "Industrial" equivalent are types 6100 and 6135 among others. All versions will work properly. Some may be quieter or last longer. See Chapter 9 supplement for additional tube information.

7.2 LIST OF MAJOR UNITS

Table 7-1 - List Of Major Units

Qty.	Name Of Unit	Ref Desig. Group
1	Panel and Frame Group	100-199
1	RF Amplifier Sub-chassis	200-399
1	Crystal Oscillator Sub-chassis	400-499
1	IF Amplifier Sub-chassis	500-599
1	AF Amplifier Sub-chassis	600-699
1	VFO Sub-chassis	700-799
1	Power Supply Sub-chassis	800-899
1	Shipboard Power Box	900-999

7.3 PARTS LIST

Table 7-2: Parts List

Parts List: Part 1 - Panel and Frame Group		
Ref. Desig.	Name And Description	Fig. No.
A108	Shield, Electrical Connector, American Phenolic Corp. part no. 26-834, per (80063) SM B-283197	6-32
A109	Shield, Electrical Connector, American Phenolic Corp. part no. 26-834, per (80063) SM B-283197	6-15
A110	Shield, Electrical Connector, American Phenolic Corp. part no. 26-834, per (80063) SM B-283197	6-32
C101	Capacitor, Paper: 220,000 pF, ±20%, 100 VDC, (56289) part no. 96P22401S13.	6-32
C102	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-15
C103	Capacitor, Electrolytic: 50 µF, 50 VDC, MIL type CE64C500G. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 3/8 in. - 2 required. Nut, Hex: Steel, 6-32 thread - 2 required. Washer, Lock: No. 6 - 2 required.	6-15
C104	Part of FL101, listed for reference only.	6-32
C105	Part of FL101, listed for reference only.	6-32
C106	Part of FL101, listed for reference only.	6-32
C107	Part of FL101, listed for reference only.	6-32
CR101	Semi-Conductor, Diode: Germanium crystal, MIL type 1N198.	6-32
CR102	Rectifier, Metallic: 33V RMS, 26.0 VAC, 260 mA, full wave rectification, (13499) drawing no. 353 0167 00. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 3/8 in.- 2 required. Nut, Hex: Steel, 6-32 thread - 2 required. Washer, Lock: No. 6 - 2 required. Washer, Flat: No. 6 - 2 required. 6-32	6-32
E101	Knob: (80063) drawing no. SM B-249242-1	6-37
E102	Knob: (80063) drawing no. SM B-249242-1	6-37
E103	Knob: (80063) drawing no. SM B-249242-1	6-37
E104	Knob: (80063) drawing no. SM B-249242-1	6-37
E105	Knob: (80063) drawing no. SM B-249242-1	6-37
E106	Knob: (80063) drawing no. SM B-249242-1	6-37
E107	Knob: (80063) drawing no. SM B-249242-1	6-37
E108	Knob: (80063) drawing no. SM B-249242-1	6-37
E109	Knob: (80063) drawing no. SM-B-249242-2.	6-37
E110	Knob: (80063) drawing no. SM-B-249242-2.	6-37
E111	Knob: (80063) drawing no. SM-B-249242-2.	6-37

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Parts List: Part 1 - Panel and Frame Group		
Ref. Desig.	Name And Description	Fig. No.
E114	Knob: (80063) drawing no. SM-B-249242-3	6-37
E115	Knob: (80063) drawing no. SM-B-249242-3	6-37
E116	Knob: (80063) drawing no. SM-B-249242-3	6-37
E117	Knob, Tuning: (80063) drawing no. SMB-249243.	6-37
E122	Dial Lock, Mechanism: (89462) part no. 5103-25.	6-32
E124	Shaft Assembly: Zero adjustment screw.	6-32
F101 ⁹	Fuse, Cartridge: 3AG slow blowing, 3 A, 250 VDC, MIL type F02D3R00.	6-15
F102 ¹	Fuse, Cartridge: 3AG slow blowing, 1/4 A, 250 VDC, MIL type F02GR125A	6-15
F103 ¹	Fuse, Cartridge: 3AG slow blowing, 1/8 A, 250 VDC, MIL type FO2A250V1/8AS	6-15
FL101	Filter, Radio Interference : Including C104, C105, C106, C 107, L101, and L102, 110V/220 VAC, 4.0A/2.0A (56289) part no. Y15228, type 5960. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 3/8 in. - 2 required. Nut, Hex: Steel, 6-32 thread - 2 required. Washer, Lock: No. 6 - 2 required.	6-32
H101	Wrench, Socket Head: Bristol spline type, 6 flutes, 7-3/4 in. (13499) drawing no. 540-7922-002.	2-2
H102	Screw Driver: Phillips type, (81348) GGGS121 type 2.	2-2
H103 through H146	Not Used	
H147	Ring, Retaining: 3/16 in., (80063) SM-B-207780	
I101	Lamp, Incandescent: Midget, flange, 6 volts, 0.20 A, GE type No. 328. Fed Spec: W-L-111.	6-32
I102	Same as I101.	6-32
I103	Lamp, Glow: Candelabra base, 110 V, 1/4 W, (08806) type no. NE-45.	6-31
J101	Not Used	
J102	Jack, Telephone: MIL type JJ034.	6-32
J103	Connector: UG-568/U; per (80063) drawing no. SM-C-283206	6-31
J104	Connector: UG-422/U; per (80063) drawing no. SM-C-283206 6-31 J105 Connector: 3MB; per (80063) drawing no. SM-C-283206	6-31
J106	Connector: 3MB; per (80063) drawing no. SM-C-283206	6-31
J107	Connector: 3MB; per (80063) drawing no. SM-C-283206	6-31
J108 through J115	Shield, Electrical Connector, American Phenolic Corp. part no. 26-834, per (80063) SM B-283197	
J116	Connector: (80211) drawing no. 309A4010.	6-14

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Parts List: Part 1 - Panel and Frame Group		
Ref. Desig.	Name And Description	Fig. No.
K101	Relay, Antenna Changeover: (82424) type no. DKCR76. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 5/16 in. - 4 required.	6-31
L101	Coil, Filter, AC Line: Part of FL101, listed for reference only.	
L102	Coil, Filter, AC Line:: Part of FL101, listed for reference only.	6-32
M101	Meter, Line Level: Flange, panel mountings, (80063) drawing no. SM-C- 283217 (Attaching Parts) Screw, Machine: Pan head, recessed head, steel, 4-40 thread x 3/4 in. - 4 required. Nut, Hex: Steel, 4-40 thread - 4 required. Washer, Lock: no. 4 - 4 required. Washer, Flat: Steel, no. 4 - 4 required.	6-32
M102	Meter, Carrier Level: (55026) type no. 182; per (80063) drawing no. SM-C- 283216. (Attaching Parts) Screw, Machine: Pan head, recessed head, steel, 4-40 thread x 3/4 in. - 4 required. Nut, Hex: Steel, 4-40 thread - 4 required. Washer, Lock: No. 4 - 4 required. Washer, Flat: Steel, no. 4 - 4 required.	6-32
M103 ³	Indicator, Elapsed Time:	6-32
P102 through P107	Shield, Electrical Connector, American Phenolic Corp. part no. 26-834, per (80063) SM B-283197	
P108	Connector, Receptacle, Electrical: 9 female contacts; (02660) part no. 26-013.	6-32
P109	Connector, Receptacle, Electrical: 9 female contacts; (02660) part no. 26-013.	6-15
P110	Connector, Receptacle, Electrical: 7 female contacts; (02660) part no. 26-192.	6-32
P111	Insert, Connector, Electrical: 11 female contacts; (02660) part no. 26-805.	6-15
P112	Plug, Connector, Electrical: 20 female contacts; (02660) part no. 26-810.	6-32
P113	Not used.	
P114	Connector, Plug, Electrical: 1 female contact; (30684) part no. 45425.	6-14
P115	Connector: X	
P116	Connector, Plug, Electrical: 1 female contact; 900 angle; (30684) part no. 45400.	6-14
P117 and P118	Not used.	
P119	Insert, Connector, Electrical: 11 female contacts; (02660) part no. 26-805.	6-32
P120	Insert, Connector, Electrical: 15 female contacts; (02660) part no. 26-150.	6-15

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Parts List: Part 1 - Panel and Frame Group		
Ref. Desig.	Name And Description	Fig. No.
R101	Resistor, Composition: 6800 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF682K	6-15
R102	Resistor, Composition: 820 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF821K	6-15
R103	Resistor, Variable: 5000 ohm, $\pm 20\%$, 2 W, (71450) type SW1376.	6-32
R104	Resistor, Variable: 2500 ohm, $\pm 20\%$, 2 W, JAN type RV4ATSA252D.	6-32
R105	Resistor, Variable: 2500 ohm, $\pm 20\%$, 2 W, JAN type RV4ATSA252D.	
R106	Resistor, Film: 778 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X7780F.	6-33
R107	Resistor, Film: 3190 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X3191F.	6-33
R108	Resistor, Film: 3190 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X3191F.	6-33
R109	Resistor, Film: 3920 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X3921F.	6-33
R110	Resistor, Film: 3570 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X3571F.	6-33
R111	Resistor, Film: 200 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2000F.	6-33
R112	Resistor, Film: 200 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2000F.	
R113	Resistor, Film: 250 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2500F.	6-33
R114	Resistor, Film: 200 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2000F.	6-33
R115	Resistor, Film: 200 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2000F.	6-33
R116	Resistor, Film: 2030 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2031F.	6-33
R117	Resistor, Film: 2030 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2031F.	6-33
R118	Resistor, Film: 2740 ohm, $\pm 1\%$, $\frac{1}{2}$ W, MIL type RN20X2741F	6-33
R119	Resistor, Composition: 56,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF563K	6-32
R120	Resistor, Variable: 500,000 ohm, $\pm 20\%$, 2W.	6-32
R121	Resistor, Composition: 220,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF224K	6-31
R122 and R123	Not used.	
R124	Resistor, Composition: 2.7 ohm, $\pm 10\%$, 1 W.	6-33
S101	Switch, Rotary, SPDT: (76854) type no. 23.	6-32
S102	Switch, Assembly: Rotary (13499) drawing no. 259-0703-00.	6-32
S103	Switch, Rotary, SPDT: (76854) type no. 23.	6-32
S104	Switch, Section, Rotary: 3 moving contacts, 9 fixed contacts, 3 pole (82104) part no. 8540-4ULR-1.	6-32
S105	Switch, Rotary: 1 section, non-pile-up type, 4 throws (13499) drawing no. 259-0512-00.	6-32
S106	Switch, Rotary: 2 position, SPST non-pile-up, 250 V, 3 A, 125 V, 6A (04009) type no. 81715-WE.	6-32
S107	Switch, Rotary: SPDT, (13499) drawing no. 259-0517-00.	6-32
S108	Switch, Rotary: DPST, 3A-125 VAC. Part of R120.	6-32

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Parts List: Part 1 - Panel and Frame Group		
Ref. Desig.	Name And Description	Fig. No.
TB101	Terminal Board: 12 turret terminal, component mounting printed circuit board, consisting of a 14 dB H-type attenuator, and Line Level Meter, M101 multiplier resistors. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 1/4 in. - 2 required. Washer, Lock: No. 6 - 2 required. Washer, Flat: Steel, no. 6 - 2 required.	6-32
TB102	Terminal Board: 8 screw w/solder lug, 4-1/4 in. 1 x 1-1/8 in. w x 1/2 in. thick, (71785) type 8-141-YD. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 5/8 in. - 4 required. Nut, Hex: Steel, 6-32 thread - 4 required. Washer, Lock: no. 6 - 4 required.	6-32
TB103	Terminal Board: 8 screw w/solder lug, 4-1/4 in. 1 x 1-1/8 in. w x 1/2 in. thick, (71785) type 8-141-YD. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 5/8 in. - 4 required. Nut, Hex: Steel, 6-32 thread - 4 required. Washer, Lock: no. 6 - 4 required.	6-32
XF101-A	Fuseholder: (75915) part no. A342003-SA-1.	6-38
XF101-B	Cap. electrical: (75915) part no. 342003-SA-2.	6-38
XF102-A	Fuseholder: (75915) part no. A342003-SA-1.	6-38
XF102-B	Cap. electrical: (75915) part no. 342003-SA-2	6-38
XF103-A	Fuseholder: (75915) part no. A342003-SA-1.	6-38
XF103-B	Cap. electrical: (75915) part no. 342003-SA-2	6-38

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
A200-B	Gear Train Assembly: (80063) drawing no. SM-D-343600.	6-36
A201	Plate: Gear, front (index no. 32).	6-36
A202	Plate: Gear, front (index no. 109).	6-36
A203 through A207	Not used.	
A208	Plate: Gear, pressed (index no. 180).	6-36
A209	Plate: Cam, pressed (index no. 149).	6-36
C201	Capacitor, Assembly: Variable, ceramic dielectric, consisting of C201-A, and C201-B (13499) part/drawing no. 917-1117-00.	6-19
C201-A	Capacitor, Variable: 3-12 pF, part of T201, listed for reference only.	6-19
C201-B	Capacitor, Variable: 8-50 pF, part of T201, listed for reference only.	6-19
C202	Capacitor, Ceramic: 7 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH070C. Part of T201.	6-19
C203	Capacitor, Mica 330 pF, $\pm 2\%$, 500 VDC, MIL type CM15D331G. Part of T201.	6-19
C204	Capacitor, Mica 120 pF, $\pm 2\%$, 500 VDC, MIL type CM15D121G. Part of T201.	6-19
C205	Capacitor, Assembly: Variable, ceramic dielectric, consisting of C205-A, and C205-B (13499) part/drawing no. 917-1117-00.	6-19
C205-A	Capacitor, Variable: 3-12 pF, part of T202, listed for reference only.	6-19
C205-B	Capacitor, Variable: 8-50 pF, part of T202, listed for reference only.	6-19
C206	Capacitor, Ceramic: 7 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH070C.. Part of T202	6-19
C207	Capacitor, Mica 120 pF, $\pm 2\%$, 500 VDC, MIL type CM15D121G. Part of T202.	6-19
C208	Capacitor, Mica 75 pF, $\pm 2\%$, 500 VDC, MIL type CM15D750G. Part of T202.	6-19
C209	Capacitor, Assembly: Variable, ceramic dielectric, consisting of C209-A, and C209-B (13499) part/drawing no. 917-1117-00.	6-19
C209-A	Capacitor, Variable: 3-12 pF, part of T203, listed for reference only.	6-19
C209-B	Capacitor, Variable: 8-50 pF, part of T203, listed for reference only.	6-19
C210	Capacitor, Ceramic: 7 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH070C. Part of T203.	6-19
C211	Capacitor, Mica 36 pF, $\pm 2\%$, 500 VDC, (72136) type no. 605. Part of T203.	6-19
C212	Capacitor, Mica 39 pF, $\pm 2\%$, 500 VDC, MIL type CM15D390J. Part of T203.	6-19
C213	Capacitor, Assembly: Variable, ceramic dielectric, consisting of C213-A, and C213-B (13499) drawing no. 917-1116-00.	6-19
C213A	Capacitor, Variable: 3-12 pF, part of T204, listed for reference only.	6-19
C213B	Capacitor, Variable: 8-50 pF, part of T204, listed for reference only.	6-19
C214	Capacitor, Ceramic: 7 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH070C. Part of T204.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C215	Capacitor, Mica 100 pF, $\pm 2\%$, 500 VDC, MIL type CM15D1016. Part of T204.	6-19
C216	Capacitor, Mica 24 pF, $\pm 5\%$, 500 VDC, MIL type no. CM15D240J. Part of T204.	6-19
C217	Capacitor, Assembly: Variable, ceramic dielectric, consisting of C217-A, and C217-B (13499) drawing no. 917-1115-00.	6-19
C217A	Capacitor, Variable: 3-12 pF, part of T205, listed for reference only.	6-19
C217B	Capacitor, Variable: 8-50 pF, part of T205, listed for reference only.	6-19
C218	Capacitor, Ceramic: 7 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH070C. Part of T205.	
C219	Capacitor, Mica 5 pF, ± 0.5 pF, 300 VDC, MIL type CM15D050K. Part of T205.	6-19
C220	Capacitor, Mica 12 pF, $\pm 5\%$, 500 VDC, MIL type CM15D120J. Part of T205.	6-19
C221	Capacitor, Assembly: Variable, ceramic dielectric, consisting of C221-A, and C221-B (13499) drawing no. 917-1118-00.	6-19
C221A	Capacitor, Variable: 3-12 pF, part of T206, listed for reference only.	6-19
C221B	Capacitor, Variable: 8-50 pF, part of T206, listed for reference only.	6-19
C222	Capacitor, Ceramic: 7 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH070C. Part of T206,	6-19
C223	Capacitor, Mica 18 pF, $\pm 5\%$, 500 VDC, MIL type CM15D180J. Part of T206.	6-19
C224	Capacitor, Mica 5 pF, ± 0.5 pF, 300 VDC, MIL type CM15D050K. Part of T206.	6-19
C225	Capacitor, Assembly: Variable, air dielectric, consisting of C225-A, and C225-B (13499) drawing no. 922-0208.	6-19
C225A	Capacitor, Variable: front section 7 to 80 pF ± 4 pF, 800 Vac, part of C225.	6-19
C225B	Capacitor, Variable: rear section 6-26 pF + 2 pF, 800 Vac, part of C225.	6-19
C226	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C227	Capacitor, Paper: 47,000 pF, $\pm 20\%$, 100 VDC, (56289) part no. 186P4730155.	6-20
C228	Capacitor, Ceramic: 1 pF, ± 0.25 pF, 500 VDC, MIL type CX20CK010C.	6-20
C229	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C230-1	Capacitor, Variable, Ceramic: 8-75 pF, 350 VDC, (13499) drawing no. 917-1122-00. Part of Z201-1.	6-19
C230-2	Capacitor, Variable, Ceramic: 8-75 pF, 350 VDC, (13499) drawing no. 917-1122-00. Part of Z201-2.	6-19
C231-1	Capacitor, Mica 160 pF, $\pm 2\%$, 500 VDC, (72136) type no. 605. Part of Z201-1.	6-19
C231-2	Capacitor, Mica 160 pF, $\pm 2\%$, 500 VDC, (72136) type no. 605 Part of Z201-2.	6-19
C232-1	Capacitor, Mica 2400 pF, $\pm 2\%$, 300 VDC, MIL type VCM20E242G. Part of Z201-1.	6-19
C232-2	Capacitor, Mica 2400 pF, $\pm 2\%$, 300 VDC, MIL type VCM20E242G. Part of Z201-2.	6-19
C233-1	Capacitor, Variable, Ceramic: 8-75 pF, 350 VDC, (13499) drawing no. 917-1122-00. Part of Z202-1.	6-19
C233-2	Capacitor, Variable, Ceramic: 8-75 pF, 350 VDC, (13499) drawing no. 917-1122-00. Part of Z202-2.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C234-1	Capacitor, Mica 1800 pF, $\pm 2\%$, 500 VDC, MIL type CM15D181G. Part of Z202-1.	6-19
C234-2	Capacitor, Mica 1800 pF, $\pm 2\%$, 500 VDC, MIL type CM15D181G. Part of Z202-2.	6-19
C235-1	Capacitor, Mica 2400 pF, $\pm 2\%$, 300 VDC, MIL type CVM20E242G. Part of Z202-1.	6-19
C235-2	Capacitor, Mica 2400 pF, $\pm 2\%$, 300 VDC, MIL type CVM20E242G. Part of Z202-2.	6-19
C236-1	Capacitor, Variable, Ceramic: 8-75 pF, 350 VDC, (13499) drawing no. 917-1122-00. Part of Z203-1.	6-19
C236-2	Capacitor, Variable, Ceramic: 8-75 pF, 350 VDC, (13499) drawing no. 917-1122-00. Part of Z203-2.	6-19
C237-1	Capacitor, Mica 120 pF, $\pm 2\%$, 500 VDC, MIL type CM15D121G. Part of Z203-1.	6-19
C237-2	Capacitor, Mica 120 pF, $\pm 2\%$, 500 VDC, MIL type CM15D121G. Part of Z203-2.	6-19
C238-1	Capacitor, Mica 1500 pF, $\pm 10\%$, 300 VDC, (13499) drawing no. 935-5078-00. Part of Z203-1.	6-19
C238-2	Capacitor, Mica 1500 pF, $\pm 10\%$, 300 VDC, (13499) drawing no. 935-5078-00. Part of Z203-2.	6-19
C239-1	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z204-1.	6-19
C239-2	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z204-2.	6-19
C240-1	Capacitor, Mica 68 pF, $\pm 2\%$, 500 VDC, MIL type CM15D680G. Part of Z204-1.	6-19
C240-2	Capacitor, Mica 68 pF, $\pm 2\%$, 500 VDC, MIL type CM15D680G. Part of Z204-2.	6-19
C241-1	Capacitor, Mica 470 pF, $\pm 2\%$, 300 VDC, MIL type CM15D471G. Part of Z204-1.	6-19
C241-2	Capacitor, Mica 470 pF, $\pm 2\%$, 300 VDC, MIL type CM15D471G. Part of Z204-2.	6-19
C242-1	Capacitor, Variable, Ceramic: 3-18 pF, 350 VDC, (13499) drawing no. 917-1120-00. Part of Z205-1.	6-19
C242-2	Capacitor, Variable, Ceramic: 3-18 pF, 350 VDC, (13499) drawing no. 917-1120-00. Part of Z205-2.	6-19
C243-1	Capacitor, Mica 68 pF, $\pm 2\%$, 500 VDC, MIL type CM15D680G. Part of Z205-1.	6-19
C243-2	Capacitor, Mica 68 pF, $\pm 2\%$, 500 VDC, MIL type CM15D680G. Part of Z205-2.	6-19
C244-1	Capacitor, Mica 1800 pF, $\pm 2\%$, 500 VDC, MIL type CM15D181G. Part of Z205-1.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C244-2	Capacitor, Variable, Ceramic: 3-18 pF, 350 VDC, (13499) drawing no. 917-1120-00. Part of Z205-2.	6-19
C245-1	Capacitor, Variable, Ceramic: 3-18 pF, 350 VDC, (13499) drawing no. 917-1120-00. Part of Z206-1.	6-19
C245-2	Same as C242-1. Part of Z206-2.	6-19
C246-1	Capacitor, Mica 47 pF, $\pm 2\%$, 500 VDC, MIL type CM15D470G. Part of Z206-1.	6-19
C246-2	Capacitor, Mica 47 pF, $\pm 2\%$, 500 VDC, MIL type CM15D470G. Part of Z206-2.	6-19
C247-1	Capacitor, Mica 33 pF, $\pm 2\%$, 500 VDC, MIL type CM15D330C. Part of Z206-1.	6-19
C247-2	Capacitor, Mica 33 pF, $\pm 2\%$, 500 VDC, MIL type CM15D330C. Part of Z206-2.	6-19
C248	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C249	Capacitor, Ceramic: 0.5 pF, ± 0.25 pF, 500 VDC, MIL type CC206K0R5C.	6-20
C250	Capacitor, Ceramic: 0.75 pF, ± 0.25 pF, 500 VDC, MIL type CC20CKR75C.	6-20
C251	Capacitor, Ceramic: 1 pF, ± 0.25 pF, 500 VDC, MIL type CX20CK010C.	6-20
C252	Capacitor, Ceramic: 2 pF, $\pm 0.25\%$, 500 VDC, MIL type CC20CK020C.	6-20
C253	Capacitor, Ceramic: 4 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH040C.	6-20
C254	Capacitor, Ceramic: 8 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH080C.	6-20
C255	Capacitor, Mica 33 pF, $\pm 2\%$, 500 VDC, MIL type CM15D330C.	6-20
C256 ¹	Capacitor, Paper: 0.1 uF, $\pm 10\%$, 200 VDC,.	6-21
C257 ¹	Capacitor, Ceramic: 47 pF, $\pm 5\%$, 500 VDC, MIL type CC20UJ470J.	3-5
C273	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C274	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C275 ¹	Capacitor, Paper: 0.033 uF, $\pm 20\%$, 300 VDC, (56289) part no. 96P33303S4.	6-21
C276	Capacitor, Mica 15 pF, $\pm 5\%$, 500 VDC, MIL type CM15D150J.	6-20
C277	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C278	Capacitor, Mica 15 pF, $\pm 5\%$, 500 VDC, MIL type CM15D150J..	6-20
C279	Capacitor, Mica 15 pF, $\pm 5\%$, 500 VDC, MIL type CM15D150J..	6-20
C280	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C281	Capacitor, Ceramic: 1.5 pF, $\pm 0.25\%$, 500 VDC, MIL type CC20CK1R5C.	6-21
C282	Capacitor, Ceramic: 1.5 pF, $\pm 0.25\%$, 500 VDC, MIL type CC20CK1R5C.	6-21
C283-1	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z213-1.	
C283-2	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z213-2.	6-19
C283-3	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z213-3.	6-19
C284	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C285	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C286	Capacitor, Mica 100 pF, $\pm 2\%$, 500 VDC, MIL type CM15D1016.	6-21
C287	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C288	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C289	Capacitor, Ceramic: 2 pF, $\pm 0.25\%$, 500 VDC, MIL type CC20CK020C.	6-21
C290	Capacitor, Ceramic: 2 pF, $\pm 0.25\%$, 500 VDC, MIL type CC20CK020C.	6-21
C291-1	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z216-1.	6-19
C291-2	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z216-2.	6-19
C291-3	Capacitor, Variable, Ceramic: 5 to 37.5 pF, 350 VDC, (13499) drawing no. 917-1121-00. Part of Z216-3.	6-19
C292-1	Capacitor, Mica 100 pF, $\pm 2\%$, 500 VDC, MIL type CM15D1016. Part of Z216-1.	6-19
C292-2	Capacitor, Mica 100 pF, $\pm 2\%$, 500 VDC, MIL type CM15D1016. Part of Z216-2.	6-19
C292-3	Capacitor, Mica 100 pF, $\pm 2\%$, 500 VDC, MIL type CM15D1016. Part of Z216-3.	6-19
C293 through C296	Not used	
C297	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C298	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C299	Capacitor, Mica: 270 pF, $\pm 2\%$, 300 VDC, MIL type CM15D271G, part of T-208, listed for reference only.	6-19
C300	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C301	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-20
C302	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C303	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C304	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C305	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C307	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C308	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C309	Capacitor, Paper: 0.1 uF, $\pm 10\%$, 200 VDC,.	6-21
C310	Capacitor, Variable, Air: 3.2 pF. to 60.7 pF, 850 Vac (74970) type no. 160-110-4.	6-21
C311	Capacitor, Mica 1000 pF, $\pm 2\%$, 500 VDC, MIL type CM30D102G.	6-21
C312	Capacitor, Mica 150 pF, $\pm 2\%$, 500 VDC, MIL type CM15D151G.	6-21
C312	Capacitor, Mica 150 pF, $\pm 2\%$, 500 VDC, MIL type CM15D151G.	6-21
C313	Capacitor, Mica 220 pF, $\pm 2\%$, 500 VDC, MIL type CM15D221G.	6-21
C314	Capacitor, Mica 220 pF, $\pm 2\%$, 500 VDC, MIL type CM15D221G.	6-21
C315	Capacitor, Mica 220 pF, $\pm 2\%$, 500 VDC, MIL type CM15D221G.	6-21
C316	Capacitor, Mica 15 pF, $\pm 5\%$, 500 VDC, MIL type CM15D150J..	6-21
C317	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-21
C318	Capacitor, Mica 51 pF, $\pm 2\%$, 500 VDC, MIL type CM15D510G.	6-21

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C319	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-21
C320	Capacitor, Mica 1000 pF, ± 2%, 500 VDC, MIL type CM30D102G	6-21
C321	Capacitor, Mica 12 pF, ± 5%, 500 VDC, MIL type CM15D120J.	6-20
C322	Capacitor, Mica 12 pF, ± 5%, 500 VDC, MIL type CM15D120J.	6-20
C323	Capacitor, Mica 5 pF, ± 0.5 pF, 300 VDC, MIL type CM15D050K.	6-20
C324	Capacitor, Mica 20 pF, ± 5%, 300 VDC, MIL type CM15D200J.	6-21
C325	Capacitor, Mica 200 pF, ± 1%, 500 VDC..	6-21
C326	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-21
C327	Capacitor, Mica 100 pF, ± 2%, 500 VDC, MIL type CM15D1016.	6-21
C328	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-21
C329	Capacitor, Mica 68 pF, ± 2%, 500 VDC, MIL type CM15D680G..	6-21
C330-1	Capacitor, Mica 300 pF, ± 2%, 500 VDC, MIL type CM15D301G. Part of Z201-1.	6-19
C330-2	Capacitor, Mica 300 pF, ± 2%, 500 VDC, MIL type CM15D301G. Part of Z201-2.	6-19
C331-1	Capacitor, Mica 68 pF, ± 2%, 500 VDC, MIL type CM15D680G.. Part of Z202-1.	6-19
C331-2	Capacitor, Mica 68 pF, ± 2%, 500 VDC, MIL type CM15D680G.. Part of Z202-2.	6-19
C334	Capacitor, Mica 51 pF, ± 2%, 500 VDC, MIL type CM15D510G.	6-21
E201	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS6P202262, type 99X.	6-19
E202	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS6P202262, type 99X.	6-19
E203	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS6P202262, type 99X.	6-19
E204	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS6P202262, type 99X.	6-19
E205	Shield, Electron Tube: Medium 9 pin: (98738) part no. 26N205116.	6-19
E206	Shield, Electron Tube: Medium 9 pin: (98738) part no. 26N205116.	6-19
E207	Shield, Electron Tube: Short 7 pin: (98738) part no. 26N205117.	6-19
E208	Jack, Tip: 1 female contact (98291) type No. SKT-1.	6-19
E209	Jack, Tip: 1 female contact (98291) type No. SKT-1.	6-19
E210	Jack, Tip: 1 female contact (98291) type No. SKT-1.	6-19
E211	Jack, Tip: 1 female contact (98291) type No. SKT-1.	6-19
E212	Suppressor, Parasitic: 270 ohm, ½ W, (13499) drawing no. 540-7869-002.	6-20
E213	Core, Adjustable, Tuning: Part of L212 and L213.	6-19
E214	Core, Adjustable, Tuning: Part of L214 and L215.	6-19
E215	Core, Adjustable, Tuning: Part of L216 and L217.	6-19
E220-1	Core, Adjustable, Tuning: Part of L225-1.	6-19
E220-2	Core, Adjustable, Tuning: Part of L225-2.	6-19
E221-1	Core, Adjustable, Tuning: Part of L226-1.	6-19
E221-2	Core, Adjustable, Tuning: Part of L226-2.	6-19
E222-1	Core, Adjustable, Tuning: Part of L227-1.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
E222-2 ²	Core, Adjustable, Tuning: Part of L227-2.	6-19
E223-1 ²	Core, Adjustable, Tuning: Part of L228-1.	6-19
E223-2 ²	Core, Adjustable, Tuning: Part of L228-2.	6-19
E224-1 ²	Core, Adjustable, Tuning: Part of L229-1.	6-19
E224-2 ²	Core, Adjustable, Tuning: Part of L229-2.	6-19
E225-1 ²	Core, Adjustable, Tuning: Part of L232-1.	6-19
E225-2 ²	Core, Adjustable, Tuning: Part of L232-2.	6-19
E225-3 ²	Core, Adjustable, Tuning: Part of L232-3.	6-19
E226-1 ²	Core, Adjustable, Tuning: Part of L233-1.	6-19
E226-2 ²	Core, Adjustable, Tuning: Part of L233-2.	6-19
E226-3 ²	Core, Adjustable, Tuning: Part of L233-3.	6-19
E227	Insulator VFO Shaft: (80063) drawing no. SM-B-178491 (index no. 171).	6-36
E228 through E230	Not used.	
E231	Terminal:	
E232	Terminal:	
E233	Terminal:	
E234	Terminal:	
E235	Terminal:	
H201	Washer, Lock: No. 8 split (index no. 12).	
H202	Washer, Lock: No. 4 split (index no. 18).	
H203	Washer, Lock No. 6 split, MIL type MS35338-79 (Index no. 68).	
H204 through H211	Not used.	
H212	Washer, Lock: No. 5 split (index no. 29).	
H213	Ring, Retaining: 7/16 in., (80063) drawing no. SM-B-283171-3 (index no. 4).	
H214	Washer, Flat: 5/16 in. (Index no. 113). 6-36 H215 Screw, Machine: Socket head, 4-40 thread x 1/2 in. (index no. 35).	
H216	Screw, Machine: Binder head, recessed drive, 6-32 thread x 1/4 in. 1, MIL type MS35216-23 (index no. 67).	6-36
H217	Screw, Machine: Socket head, 3-56 thread x 1/4 in. 1 (index no. 7).	6-36
H218	Screw, Machine: Socket head, 4-40 thread x 9/16 in. 1, (80063) drawing no. SM-D-343600-6 (index no. 11).	6-36
H219	Nut, Square: Steel, 4-40 thread, (80063) drawing no. SM-D-343600-7 (index no. 5).	6-36
H220	SET Screw: Steel, 8-32 thread x 1/8 in. 1 (index no. 177).	6-36
H221	Ring, Retaining: 1/8 In. E-type: (80063) drawing no. SM-B-283174-1 (index no. 102).	6-36
H222	Ring, Retaining: 1/4 in. E-type: (80063) drawing no. SM-B-283174-3 (index no. 85).	6-36

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
H222	Ring, Retaining: 1/4 in. E-type: (80063) drawing no. SM-B-283174-3 (index no. 85).	6-36
H223	Ring, Retaining: 3/16 in. (index no. 176).	6-36
H224	Ring, Retaining: 1/4 in. (index no. 41).	6-36
H225	Screw, Machine: Flat head, 6-32 thread x 3/8 in. (index no. 126).	6-36
H226	Screw, Machine: Flat head, recessed drive, 8-32 thread x 5/16 in. (index no. 107).	6-36
H227	Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 5/16 in. (index no. 19).	6-36
H228	Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 3/16 in. (index no. 26).	6-36
H229	Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 3/8 in. (index no. 130).	6-36
H230	Screw, Machine: Binder head, recessed drive, steel, 8-32 thread x 3/8 in. (index no. 13).	6-36
H231	Clamp, Gear: (80063) drawing no. SM-B-343586 (index no. 8).	6-36
H232	Washer, Special: (index no. 175).	6-36
H233	Clamp, Gear: For cam shaft, 0.312 in. hole. (80063) drawing no. SM-B-178414 (index No. 34).	6-36
H234	Ring, Retaining: (89462) part no. 5100-31-C (index no. 47).	6-36
H235	Post, Panel Spacing: Al, anodized, rd, 1/4 in. x 1-3/8 in. (index no. 97).	6-36
H236	Post, Panel Spacing: Al, anodized, rd, 1/4 in. x 1-3/8 in. 1 (index no. 40).	6-36
H237	Ring Retaining: (894 32) part no. 5133-18-C (index no. 88).	6-36
H240	Screw, Special: (index no. 28).	6-36
H241	Screw, Machine: Pan head, recessed drive, steel 4-40 thread x 1/4 in. 1 (index no. 55).	6-36
H242	Post, Panel Spacing: Al, anodized, 9/16 in. I (index no. 152).	6-36
H243	Post, PANEL,SPACING: Al, anodized, 4-13/16 in. I (index no. 156).	6-36
H244	Post, Panel Spacing: Steel, 5-5/8 in. I (index no. 148).	6-36
H245	Clamp, Helical Gear: (80063) drawing no. SM-B-248934 (index no. 173).	6-36
H246 through H250	Not used.	
H251	Washer, Shim: (index no. 16).	6-36
H252	Ring, Retaining: 7/16 in., (80063) drawing no. SM-B-283171-3 (index no. 4).	6-36
H253	Washer, Shim: (index no. 105).	6-36
H254	Washer: (index no. 76).	6-36
H255	Screw, Machine: Steel, 6-32 thread x 7/16 in. 1 (index no. 119).	6-36
H291	Washer, Flat: No. 6, (98738) part no. 572037-3 (index no. 69).	6-36
HR202	Oven, Crystal: (75378) type no. JK09.	6-19
J201 through J207	Not used.	

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
J208	Connector, Receptacle, Electrical: 9 male contacts; (02660) type no. 26-012.	6-19
J209 through J216	Not used.	
J217	Connector, Receptacle, Electrical: 1 female contact, (30684) type 46475.	6-19
J218 through J220	Not used.	
J221	Connector, Receptacle, Electrical: 1 female contact, (30684) type 46475.	6-19
L201	Coil, Radio Frequency: 500 μ H (95265) part no. C0047109.	6-21
L202	Coil, Radio Frequency: 10 μ H (82142) part no. 10102-32.	6-20
L203	Coil, Radio Frequency: 10 μ H (82142) part no. 10102-32.	6-20
L204	Coil, Radio Frequency: 10 μ H (82142) part no. 10102-32.	6-21
L205	Coil, Radio Frequency: 10 μ H (82142) part no. 10102-32.	6-21
L206	Coil, Radio Frequency: 10 μ H (82142) part no. 10102-32.	6-21
L207	Coil, Radio Frequency: 10 μ H (82142) part no. 10102-32.	6-21
L208	Coil, Radio Frequency: 500 μ H; (95265) part no. C0047109.	6-21
L209	Coil, Radio Frequency: 500 μ H; (95265) part no. C0047109.	6-21
L210	Coil, Radio Frequency: 0.68 μ H (82142) part no. 10100-28.	6-21
L211	Coil, Radio Frequency: 500 μ H; (95265) part no. C0047109.	6-21
L212 2	Coil, Radio Frequency: Part of T201, listed for reference only.	6-19
L213 2	Coil, Radio Frequency: Part of T201, listed for reference only.	6-19
L215 2	Coil, Radio Frequency: Part of T202, listed for reference only.	6-19
L216 2	Coil, Radio Frequency: Part of T203, listed for reference only.	6-19
L217 2	Coil, Radio Frequency: Part of T203, listed for reference only.	6-19
L218 2	Coil, Radio Frequency: Part of T204, listed for reference only.	6-19
L214 2	Coil, Radio Frequency: Part of T202, listed for reference only.	6-19
L219 2	Coil, Radio Frequency: Part of T204, listed for reference only.	6-19
L220 2	Coil, Radio Frequency: Part of T205, listed for reference only.	6-19
L221 2	Coil, Radio Frequency: Part of T205, listed for reference only..	6-19
L222 ²	Coil, Radio Frequency: Part of T206, listed for reference only.	6-19
L223 ²	Coil, Radio Frequency: Part of T206, listed for reference only.	6-19
L224-1 ²	Coil, Tuned Circuit: Part of Z201-1, listed for reference only.	6-19
L224-2 ²	Coil, Tuned Circuit: Part of Z201-2, listed for reference only.	6-19
L225-1 ²	Coil, Tuned Circuit: Part of Z202-1, listed for reference only.	6-19
L225-2 ²	Coil, Tuned Circuit: Part of Z202-2, listed for reference only.	6-19
L226-1 ²	Coil, Tuned Circuit: Part of Z203-1, listed for reference only.	6-19
L226-2 ²	Coil, Tuned Circuit: Part of Z203-2, listed for reference only.	6-19
L227-1 ²	Coil, Tuned Circuit: Part of Z204-1, listed for reference only.	6-19
L227-2 ²	Coil, Tuned Circuit: Part of Z204-2, listed for reference only.	6-19
L228-1 ²	Coil, Tuned Circuit: Part of Z205-1, listed for reference only.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
L228-2 ²	Coil, Tuned Circuit: Part of Z205-2, listed for reference only.	6-19
L229-1 ²	Coil, Tuned Circuit: Part of Z206-1, listed for reference only.	6-19
L229-2 ²	Coil, Tuned Circuit: Part of Z206-2, listed for reference only.	6-19
L230 2	Coil, Tuned Circuit: Part of T207, listed for reference only.	6-19
L231 2	Coil, Tuned Circuit: Part of T207, listed for reference only.	6-13
L232-1 ²	Coil, Tuned Circuit: Part of Z213-1, listed for reference only.	6-19
L232-2 ²	Coil, Tuned Circuit: Part of Z213-2, listed for reference only.	6-19
L232-3 ²	Coil, Tuned Circuit: Part of Z213-3, listed for reference only.	6-19
L233-1 ²	Coil, Tuned Circuit: Part of Z216-1, listed for reference only.	6-19
L233-2 ²	Coil, Tuned Circuit: Part of Z216-2, listed for reference only.	6-19
L233-3 ²	Coil, Tuned Circuit: Part of Z216-3, listed for reference only.	6-19
L234	Coil, Tuned Circuit: Part of T208, listed for reference only.	6-19
L235	Coil, Tuned Circuit: Part of T208, listed for reference only.	6-19
L236	Coil, Radio Frequency: 10 μ H.	6-21

M201	Counter, Rotating, Fixed Mounting: (80063) drawing no. SM-C-249195 (index no. 17). (Attaching Parts Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 1/4 in. - 4 required. Washer, Flat: Steel, no. 4 - 4 required.	6-36
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O201	Gear, Spur: (80063) drawing no. SM-B-178912 (index no. 44).	6-36
O202	Gear, Bevel: (80063) drawing no. SM-C-178700 (index no. 9).	6-36
O203	Gear, Spur (80063) drawing no. SM-B-178701 (index no. 103).	6-36
O204	Gear, Spur (80063) drawing no. SM-C-178702 (index no. 36).	6-36
O205	Gear, Assembly, SPUR: (80063) drawing no. SM-B-178935 (index no. 42).	6-36
O206	Shaft, Differential: (index no. 73).	6-36
O207	Clamp, Gear: (80063) drawing no. SM-B-178486 (index no. 6).	6-36
O208	Clamp, Gear: (80063) drawing no. SM-B-178486 (index no. 6).	6-36
O209	Clamp, Gear: (80063) drawing no. SM-B-178486 (index no. 52).	6-36
O210	Clamp, Gear: (80063) drawing no. SM-B-178486 (index no. 115).	6-36
O211	Clamp, Gear: (80063) drawing no. SM-B-178486(index no. 83)	6-36
O212	Gear, Bevel: (80063) drawing no. SM-B-178707 (index no. 24)	6-36
O213	Gear, Bevel: (80063) drawing no. SM-B-178707 (index no. 10).	6-36
O214	Not used.	
O215	Bushing, Shaft: (index no. 38).	6-36
O216 And O217	Not used.	
O218	Gear, Spur (80063) drawing no. SM-C-179063 (index no. 90).	6-36
O219	Gear, Assembly, FINAL Differential: Consisting of cluster gears, 0219-A, 0219-B, 0219-C, and 0219-D (index no. 39).	6-36

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
O219-A	Gear, Cluster: Part of 0219, listed for reference only.	6-36
O219-B	Gear, Cluster: Part of 0219, listed for reference only.	6-36
O219-C	Gear, Cluster: Part of 0219, listed for reference only.	6-36
O219-D	Gear, Cluster: Part of 0219, listed for reference only.	6-36
O220	Not used.	
O221	Bushing, Gear: (index no. 14).	6-36
O222	Bushing, Gear: (index no. 77).	6-36
O223	Bushing, Gear: (index no. 78).	6-36
O224 through O235	Not used.	
O236	Shaft, Antenna Trimmer: (index no. 170).	6-36
O237 through O239	Not used.	
O240	Hub, Oscillator Dial: (index no. 124).	6-36
O241	Gear, Spur (index no. 117).	6-36
O242	Bushing, Gear: (index no. 37).	6-36
O243	Gear, Spur (80063) drawing no. SM-B-248907 (index no. 79).	6-36
O244	Spring, Detent: (index no. 70).	6-36
O245	Gear, Spur (index no. 93).	6-36
O246	Gear, Assembly, SPUR: (80063) drawing no. SM-B-248938 (index no. 95).	6-36
O247	Spring, Helical, Extension: (80063) drawing no. SM-B-178785 (index no. 129).	6-36
O248 through O251	Not used.	
O252	Post, Staked Gear: Gear drive for mechanical rotating counter M201; (index no. 27).	6-36
O253	Gear, Spur (index no. 86).	6-36
O254	Gear, Spur (80063) drawing no. SM-B-248902 (index no. 49)	6-36
O255	Not used.	
O256	Bushing, Helical Gear: (index no. 174).	6-36
O257 through O260	Not used.	
O261	Gear, Assembly, SPUR: (80063) drawing no. SM-B-248943 (index no. 74).	6-36
O262	Gear, Soldered: (index no. 129).	6-36
O263 through O272	Not used.	
O273	Same as O247 (index no. 65).	6-36
O274	Gear, Spur (index no. 134).	6-36

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
O275 through O282	Not used.	
O283	Gear, Spur (04713) part no. 244B4510 (index no. 110).	6-36
O284 through O294	Not used.	
O295	Gear, Assembly, Locked Clutch: Consisting of spur gears, O295-A, O295-B, and O295-C: (80063) drawing no. SM-C-248967 (index no. 21).	6-36
O295-A	Gear, Spur Part of O295, listed for reference only.	6-36
O295-B	Gear, Spur Part of O295, listed for reference only.	6-36
O295-C	Gear, Spur Part of O295, listed for reference only.	6-36
O296	Gear, Bevel: (80063) drawing no. SM-B-178752 (index no. 25).	6-36
O297	Gear Train Assembly, Radio Frequency: (less counter) consisting of O310 through O315-7, (13499) drawing no. 540-7528-003.	6-36
O298 through O305	Not used.	
O306	Plate Assembly, Cam: (80063) SM-B-343594 (index no. 179).	6-36
O307	Gear, Assembly, Switch: Consisting of spur gears, O307-A, and O307-B: (80063) drawing no. SM-C-248970 (index no. 87).	6-36
O307-A	Gear, Spur Part of O307, listed for reference only.	6-36
O307-B	Gear, Spur Part of O307, listed for reference only.	6-36
O308 and O309	Not used.	
O310	Cam Assembly, HF Tuning: 16.0 to 32.0 MHz tuning, consisting of O310-1, O310-2, O310-3, O310-4, and O310-5.	6-36
O310-1	Cam, Lobe, Front: Part of O310, listed for reference only (index no. 142).	6-36
O310-2	Pin, no. 6 Taper: Part of O310, listed for reference only (index no. 143).	6-36
O310-3	Cam, Lobe, Rear: Part of O310, listed for reference only (index no. 165).	6-36
O310-4	Pin, no. 6 Taper: Part of O310, listed for reference only (index no. 166).	6-36
O310-5	Shaft, Cam Transverse: Part of O310, listed for reference only (index no. 168).	6-36
O311	Cam Assembly, RF Tuning 0.5 to 1.0 MHz tuning, consisting of O311-1, O311-2, O311-3, O311-4, and O311-5.	6-36
O311-1	Cam, Lobe, Front: Part of O311, listed for reference only (index no. 56).	6-36
O311-2	Pin, no. 6 Taper: Part of O311, listed for reference only (index no. 57).	6-36
O311-3	Cam, Lobe, Rear: Part of O311, listed for reference only (index no. 157).	6-36
O311-4	Pin, no. 6 Taper: Part of O311, listed for reference only (index no. 158).	6-36
O311-5	Shaft, Cam Transverse: Part of O311, listed for reference only (index no. 164).	6-36

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
O312	Cam Assembly, RF Tuning1.0 to 2.0 MHz, and 3.0 to 2.0 MHz intermediate frequency tuning, consisting of O312-1, O312-2, O312-3, O312-4, O312-5, O312-6, and O312-7.	6-36
O312-1	Cam, Lobe, Front: Part of O312, listed for reference only (index no. 146).	6-36
O312-2	Pin, no. 6 Taper: Part of O312, listed for reference only (index no. 147).	6-36
O312-3	Cam Lobes, Inner: Part of O312, listed for reference only (index no. 153).	6-36
O312-4	Pin, no. 6 Taper: Part of O312, listed for reference only (index no. 154).	6-36
O312-5	Shaft, Cam Transverse: Part of O312, listed for reference only (index no. 184).	6-36
O312-6	Cam, Lobe, Rear: Part of O312, listed for reference only (index no. 185).	6-36
O312-7	Pin, no. 6 Taper: Part of O312, listed for reference only (index no. 186).	6-36
O313-1	Cam, Lobe, Front: Part of O313, listed for reference only (index no. 60).	6-36
O313-2	Pin, no. 6 Taper: Part of O313, listed for reference only (index no. 61).	6-36
O313-3	Pin, no. 6 Taper: Part of O313, listed for reference only (index no. 159).	6-36
O313-4	Cam, Lobe, Rear: Part of O313, listed for reference only (index no. 162).	6-36
O313-5	Shaft, Cam Transverse: Part of O313, listed for reference only (index no. 163).	6-36
O314	Cam Assembly, RF Tuning4.0 to 8.0 MHz tuning, consisting of O314-1, O314-2, O314-3, O314-4, and O314-5.	6-36
O314-1	Cam, Lobe, Front: Part of O314, listed for reference only (index no. 144).	6-36
O314-2	Pin, no. 6 Taper: Part of O314, listed for reference only (index no. 145).	6-36
O314-3	Cam, Lobe, Rear: Part of O314, listed for reference only (index no. 155).	6-36
O314-4	Pin, no. 6 Taper: Part of O314, listed for reference only ((index no. 167).	6-36
O314-5	Shaft, Cam Transverse: Part of O314, listed for reference only (index no. 169).	6-36
O315	Cam Assembly, RF Tuning8.0 to 16.0 MHz, and 17.5 to 25.0 MHz tuning, consisting of O315-1, O315-2, O315-3, O315-4, O315-5, O315-6, and O315-7: (80063) drawing no. SM-C-248959.	6-36
O315-1	Gear And Cam Lobe Assembly, Front: Part of O315, listed for reference only (index no. 62).	6-36
O315-2	Pin, no. 6 Taper: Part of O315, listed for reference only (index no. 75).	6-36
O315-3	Cam Lobes, Inner: Part of O315, listed for reference only (index no. 160).	6-36
O315-4	Pin, no. 6 Taper: Part of O315, listed for reference only (index no, 161).	6-36
O315-5	Shaft, Cam Transverse: Part of O315, listed for reference only (index no. 183).	6-36
O315-6	Cam, Lobe, Rear: Part of O315, listed for reference only (index no. 187).	6-36
O315-7	Pin, no. 6 Taper: Part of O315, listed for reference only (index no. 188).	6-36
O316	Stop Assembly: (80063) drawing no. SM-C-343597 (index no. 94).	6-36
O317	Stop Assembly: (80063) drawing no. SM-C-343598 (index no. 101).	6-36
O318	Gear, Helical Driver: (index no. 172).	6-36
O319	Spring, Multi-turn Gear: (index no. 89).	6-36
O320	Not used.	
O321	Gear, Spur (80063) drawing no. SM-B-248952 (index no. 91).	6-36
O322	Same as O247 (index no. 3).	6-36
O323	Gear, Spur (80063) drawing no. SM-B-248932 (index no. 2).	6-36

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
O324	Gear, Spur (80063) drawing no. SM-C-178930 (index no. 64).	6-36
O325	Same as O247 (index no. 50).	6-36
O326 and O327	Not used.	
O328	Gear, Spur (80063) drawing no. SM-C-178931 (index no. 63).	6-36
O329 through O331	Not used.	
O332	Spring, Helical, Extension: (04713) part no. 341B286.	6-36
O333 through O343	Not used.	
O344	Spring, Helical, Extension: (80063) drawing no. SM-B-178699.	6-36
O345 through O362	Not used.	
O363	Gear Spur: (80063) drawing no. SM-B-178912 (index no, 53)	6-36
O364 through O389	Not used.	
O390	Gear, Assembly, SPUR: (80063) drawing no. SM-B-248939 (index no. 66)	6-36
O391	Not used.	
O392	Gear, Spur (80063) drawing no. SM-B-248944 (index no. 48)	6-36
O393	Gear, Spur (04713) part no. 344B243.	
O394	Gear, Spur (04713) part no. 344B24589-1.	
O394-E	Gear, Assembly:	
O395	Gear, Assembly:	
O396	Gear, Assembly: Desig	
O397	Gear, Assembly:	
P201 through P204	Not used.	
P205	Connector, Plug, Electrical: 1 female contact, 90° angle, (30684) part no. 45300.	6-14
P206	Connector, Plug, Electrical: 1 female contact, 90 angle, (30684) part no. 45400.	6-14
P207	Same as P206.	6-14
P208 through P212	Not used.	
P213	Connector, Plug, Electrical: 1 female contact, (30684) part no. 45425.	6-14
P214	Not used.	6-14
P215	Connector, Plug, Electrical: 1 female contact, 90 angle, (30684) part no. 45400.	6-14

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
P216 and P217	Not used.	
P218	Connector, Plug, Electrical: 1 female contact, (30684) part no. 45425.	6-14
P219 and P220	Not used.	
R201	Resistor, Composition: 270,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20F274K	6-20
R202	Resistor, Composition: 220 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF221K	6-20
R203	Resistor, Composition: 82,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF823K	6-20
R204	Resistor, Composition: 10,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF103K	6-20
R205	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-20
R206	Resistor, Composition: 22,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF223K	6-21
R207	Resistor, Composition: 120,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF124K	6-21
R208	Resistor, Composition: 27 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF270K	6-20
R209	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-20
R210 ⁸	Resistor, Composition: 56,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF563K	6-21
R211	Resistor, Composition: 8200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF822K	6-21
R212	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-21
R213	Resistor, Composition: 1 meg, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF105K	6-21
R214	Resistor, Composition: 27 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF270K	6-21
R215	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-21
R216	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-21
R217	Resistor, Composition: 470,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF474K	6-21
R218	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-21
R219	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-21
R220	Resistor, Composition: 330,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF334K	6-21
R221	Resistor, Composition: 39,000 ohm, $\pm 10\%$, 1W, MIL type RC32GF393K	6-21
R222	Resistor, Composition: 22,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF223K	6-21
R223	Resistor, Composition: 100,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF104K	6-21
R224	Resistor, Composition: 1 meg, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF105K	6-21
R225	Resistor, Composition: 22,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF223K	6-21
R226	Resistor, Composition: 10,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF103K	6-21
R227	Resistor, Composition: 1 meg, 10%, $\frac{1}{2}$ W, MIL type RC20GF105K	6-21
R228	Resistor, Composition: 5600 ohm, $\pm 10\%$, 1 W, MIL type RC32GF562K	6-21
R229	Resistor, Composition: 33 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF330K	6-21
R230	Resistor, Composition: 27 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF270K	6-21
R231	Resistor, Composition: 470,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF474K	6-20
R232	Resistor, Composition: 22,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF223K	6-20
R233	Resistor, Composition: 470,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF474K	6-20
R234	Resistor, Composition: 1.5 meg, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF155K	6-20
R235	Resistor, Composition: 47 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF470J.	6-20

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
S201	Switch Section, Rotary: 1 moving contact, 7 fixed contacts, 1 pole; (13499) drawing no. 269-1727-00.	6-20
S202	Switch Section, Rotary: 1 moving contact, 7 fixed contacts, 1 pole; (13499) drawing no. 269-1727-00	6-20
S203	Switch Section, Rotary: 2 moving contacts, 8 fixed, 2 poles; (13499) drawing no. 269-1723-00. V	6-20
S204	Switch Section, Rotary: 2 moving contacts, 13 fixed, 1 pole; (13499) drawing no. 269-1729-00.	6-20
S205	Switch Section, Rotary: 1 moving contact, 7 fixed contacts, 1 pole; (13499) drawing no. 269-1727-00	6-20
S206	Switch Section, Rotary: 1 moving contact, 7 fixed contacts, 1 pole; (13499) drawing no. 269-1727-00	6-20
S207	Switch Section, Rotary: 1 moving contact, 7 fixed contacts, 1 pole; (13499) drawing no. 269-1727-00	6-20
S208	Switch Section, Rotary: 3 moving contacts, 8 fixed, 3 poles; (13499) drawing no. 269-1730-00.	6-21
T201	Transformer, Radio Frequency: 0.5 to 1.0 MHz frequency range, consisting of C201A, C201B, C202, C203, C204, E213, L212, and L213 (13499) drawing no. 540-7893-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required, Washer, Lock: No. 4 - 2 required.	6-19
T202	Transformer, Radio Frequency: 1.0 to 2.0 MHz frequency range, consisting of C205A, C205B, C206, C207, C208, E214, L214, and L215 (13499) drawing no. 540-7894-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required. Nut, Hex: Steel, 4-40 thread - 2 required.	6-19
T203	Transformer, Radio Frequency: 2.0 to 4.0 MHz frequency range, consisting of C209A, C209B, C210, C211, C212, E215, L216, and L217 (13499) drawing no. 540-7895-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
T204	Transformer, Radio Frequency: 4.0 to 8.0 MHz frequency range, consisting of C213A, C213B, C214, C215, C216, E216, L218, and L219 (13499) drawing no. 540-7896-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
T205	Transformer, Radio Frequency: 8.0 to 16.0 MHz frequency range, consisting of C217A, C217B, C218, C219, C220, E217, L220, and L221 (13499) drawing no. 540-7897-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
T206	Transformer, Radio Frequency: 16.0 to 32.0 MHz frequency range, consisting of C221A, C221B, C222, C223, C224, E218, L222, and L223 (13499) drawing no. 540-7893-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
T207	Transformer, Radio Frequency: 11.0 to 34.0 MHz frequency range, consisting of L230 and L231 (13499) drawing no. 278-0234-00. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
T208	Transformer, Intermediate Frequency: 455 kHz center frequency, consisting of C299, L234, and L235 (13499) drawing no. 278-0104-00. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
V201	Electron Tube: Mil type 6DC6.	6-19
V202 ¹⁰	Electron Tube: Mil type JAN-6C4W.	6-19
V203 ¹⁰	Electron Tube: Mil type JAN-6C4W.	6-19
V204 ¹⁰	Electron Tube: Mil type JAN-6C4W.	6-19
V205	Electron Tube: Mil type 5814A.	6-19
V206	Electron Tube: Mil type 5814A.	6-19
V207	Electron Tube: Mil type 5654/6AK5W.	6-19
XHR202	Socket, Electron Tube: JAN type TS101P01. (Attaching Parts) Screw, Machine: Filister head, recessed drive, steel, 6-32 thread x 13/32 in. 2 - required. Nut, Hex: Steel, 6-32 thread - 2 required. Washer, Lock: No. 6 - 2 required. Spacer: Al, anodized, 1/8 in. 1 x 1/4 in. od., drilled for no. 6 screw 2 required.	6-20

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
XV201	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required. 6-20	6-21
XV202	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required. 6-20	6-20
XV203	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required. 6-20	6-21
XV204	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required. 6-20	6-21
XV205	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-21
XV206	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-21

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
XV207	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required. 6-20	6-21
Y201	Crystal Unit, Quartz: 17,000 kHz; MIL type CR-27/U.	6-19
Y203	Crystal Unit, Quartz: 200 kHz; MIL type CR-27/U.	6-19
Z201-1	RF Tuner Assy.: 0.5 to 1.0 MHz frequency range; including C230-1, C231-1, C232-1, C330-1, E219-1 and L224-1 (13499) drawing no. 540-7899-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z201-2	RF Tuner Assy.: 0.5 to 1.0 MHz frequency range,, including C230-2, C231-2, C232-2, C330-2, E219-2 and L224-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z202-1	RF Tuner Assy.: 1.0 to 2.0 MHz frequency range, including C233-1, C234-1, C235-1, C331-1, E220-1 and L225-1 (13499) drawing no. 540-7900-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z202-2	RF Tuner Assy.: 1.0 to 2.0 MHz frequency range,, including C233-2, C234-2, C235-2, C331-2, E220-2, and L225-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z203-1	RF Tuner Assy.: 2.0 to 4.0 MHz frequency range, including C236-1, C237-1, C238-1, E221-1 and L226-1 (13499) drawing no. 540-7901-004. (Attaching Parts) Nut, Hex: Steel, 4-40 tad - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z203-2	RF Tuner Assy.: 2.0 to 4.0 MHz frequency range, including C236-2, C237-2, C238-2, E221-2 and L226-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
Z204-1	RF Tuner Assy.: 4.0 to 8.0 MHz frequency range; including C239-1, C240-1, C241-1, E222-1 and L227-1 (13499) drawing no. 540-7902-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4- 2 required.	6-19
Z204-2	RF Tuner Assy.: 4.0 to 8.0 MHz frequency range; including C239-2, C240-2, C241-2, E222-2 and L227-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4- 2 required.	6-19
Z205-1	RF Tuner Assy.: 8.0 to 16.0 MHz frequency range; including C242-1, C243-1, C244-1, E223-1 and L228-1, (13499) drawing no. 540- 7903-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z205-2	RF Tuner Assy.: 8.0 to 16.0 MHz frequency range; including C242-2, C243-2, C244-2, E223-2 and L228-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4- 2 required.	6-19
Z206-1	RF Tuner Assy.: 16.0 to 32.0 MHz frequency range, including C245-1, C246-1, C247-1, E224-1 and L229-1 (13499) drawing no. 540-7904-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z206-2	RF Tuner Assy.: 16.0 to 32.0 MHz frequency range, including C245-2, C246-2, C247-2, E224-2 and L229-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4- 2 required.	6-19
Z207 through Z212	Not Used	
Z213-1	RF Tuner Assy.: 17.5 to 25.0 MHz frequency range; including C283-1, E225-1 and L232-1 (13499) drawing no. 540-7906-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19

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Parts List: Part 2 - RF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
Z213-2	RF Tuner Assy.: 17.5 to 25.0 MHz frequency range; including C283-2, E225-2 and L232-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4- 2 required.	6-19
Z213-3	RF Tuner Assy.: 17.5 to 25.0 MHz frequency range; including C283-3, E225-3 and L232-3. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4- 2 required.	6-19
Z216-1	RF Tuner Assy.: 3.0 to 2.0 MHz frequency range, including C 291-1, C292-1, E226-1 and L233-1 (13499) drawing no. 540-7905-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z216-2	RF Tuner Assy.: 3.0 to 2.0 MHz frequency range, including C291-2, C292-2, E226-2 and L233-2. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19
Z216-3	RF Tuner Assy.: 3.0 to 2.0 MHz frequency range, including C291-3, C292-3, E226-3 and L233-3. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-19

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Parts List: Part 3 - Crystal Oscillator Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C401	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-23
C402	Capacitor, Ceramic: 4 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH040C.	6-23
C403	Capacitor, Ceramic: 4 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH040C..	6-23
C404	Capacitor, Ceramic: 4 pF, ± 0.25 pF, 500 VDC, MIL type CC20CH040C.	6-23
C406	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-24
C407	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-23
C408	Capacitor, Ceramic: 12 pF, ± 5%, 500 VDC, MIL type CC20UJ120J.	6-23
C409	Capacitor, Mica 150 pF, ± 2%, 500 VDC, MIL type CM15D151G.	6-23
C410	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-23
C411	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-23
C412	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-23
C413	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-23
C414	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-23
C415	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499) .	6-23
C417	Capacitor, Mica 150 pF, ± 2%, 500 VDC, MIL type CM15D151G.	6-23
C418	Capacitor, Mica 120 pF, ± 2%, 500 VDC, MIL type CM15D121G..	6-23
C419	Capacitor, Mica 100 pF, ± 2%, 500 VDC, MIL type CM15D1016.	6-23
C420	Capacitor, Mica 82 pF, ± 2%, 500 VDC, MIL type CM15D820G.	6-23
C421	Capacitor, Mica 68 pF, ± 2%, 500 VDC, MIL type CM15D680G..	6-23
C422	Capacitor, Mica 56 pF, ± 2%, 500 VDC, MIL type CM15D560G.	6-23
C423	Capacitor, Mica 47 pF, ± 2%, 500 VDC, MIL type CM15D470G.	6-23
C424	Capacitor, Mica 39 pF, ± 2%, 500 VDC, MIL type CM15D390J.	6-23
C425	Capacitor, Mica 33 pF, ± 2%, 500 VDC, MIL type CM15D330C.	6-23
C426	Capacitor, Mica 18 pF, ± 5%, 500 VDC, MIL type CM15D180J.	6-23
C427	Capacitor, Mica 12 pF, ± 5%, 500 VDC, MIL type CM15D120J.	6-23
C428	Capacitor, Mica 5 pF, ± 0.5 pF, 300 VDC, MIL type CM15D050K.	6-23
C429	Capacitor, Assembly: Variable, ceramic dielectric, 8 sections, 6 sections, 5 to 25 pF, and 2 sections, 8 to 50 pF. (13499) drawing no. 9 17-1126-00.	6-22
C430	Capacitor, Assembly: Variable, ceramic dielectric, 8 sections, 1 section, 3 to 12 pF, 5 sections, 5 to 25 pF, and 2 sections, 8 to 50 pF. (13499) drawing no. 917-1127-00.	6-22
C431	Capacitor, Assembly: Variable, ceramic dielectric, 8 sections, 2 sections, 3 to 12 pF, and 6 sections, 5 to 25 pF. (13499) drawing no. 917-1128-00.	6-22
E401	Shield, Electron Tube: Short 7 pin (98738) part no. 26N205117.	6-22
E402	Jack, Tip: 1 female contact (98291) part no. SKT-1. 6-22H401 Washer, Lock: No. 8 split (80063) SM-B-283201.	6-22
H402 through H408	Not used.	
H409	Ring, Retaining: 1/4 in. 6-22HR401-A Element, Heating: HR401-B Oven, crystal: (80063) drawing no. SM-C-249045.	6-24

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Parts List: Part 3 - Crystal Oscillator Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
J401 through J409	Not used.	
J410	Connector, Receptacle, Electrical: 7 male contacts; (02660) part no. 26-191.	6-22
J411 through J413	Not used.	
J415	Connector, Receptacle, Electrical: 1 male contact; (30684) part no. 46025.	6-22
J416	Jack, Tip: 1 female contact; (98291) type no. SKT-1.	6-22
J417	Jack, Tip: 1 female contact; (98291) type no. SKT-1.	6-23
L401	Coil, Radio Frequency: 500 μ H.; (95265) part no. C0047109.	6-23
L402	Coil, Radio Frequency: 10 μ H. at 7.9 MHz; (82142) part no. 10 102-32.	6-23
L403	Coil, Tuned Circuit: Part of T401, listed for reference only.	6-22
L404	Coil, Tuned Circuit: Part of T401, listed for reference only.	6-22
P416	Plug, Tip: 1 male contact; (98291) type no. FT-M-9.	6-24
P417	Plug, Tip: 1 male contact; (98291) type no. FT-M-9.	6-24
R404	Resistor, Composition: 27 ohm, \pm 10%, $\frac{1}{2}$ W, MIL type RC2OGF270K	6-23
R405	Resistor, Composition: 33,000 ohm, \pm 10%, $\frac{1}{2}$ W, MIL type RC2OGF33K	6-23
R406	Resistor, Composition: 3900 ohm, \pm 10%, $\frac{1}{2}$ W, MIL type RC2OGF392K	6-23
R407	Resistor, Composition: 3900 ohm, \pm 10%, $\frac{1}{2}$ W, MIL type RC2OGF392K	6-23
S401	Switch Section, Rotary: 1 moving contact, 32 fixed, 1 pole; (13499) drawing no. 269-1489-00.	6-23
S402	Switch Section, Rotary: 1 moving contact, 32 fixed, 1 pole; (13499) drawing no. 269-1489-00.	6-23
S403	Switch, Thermostatic: SPST; 115 VAC, 2.5 A; 28 VDC, 2 A; (73168) type no. 32000-1.	6-24
T401	Transformer, Radio Frequency: 11.0 to 34.0 MHz frequency range of L403 and L404; (13499) drawing no. 278-0234-00. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-22
V401	Electron Tube: Mil type 5654/6AK5W.	6-22
XHR401-1	Holder, Crystal Unit:	6-22

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Parts List: Part 3 - Crystal Oscillator Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
XV401	Socket, Electron Tube: JAN type TS1O2PO1. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 2 - required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-23
Y401	Crystal Unit, Quartz: 10,000 kHz; MIL type CR-36/U.	6-22
Y402	Crystal Unit, Quartz: 10,500 kHz; MIL type CR-36/U.	6-22
Y403	Crystal Unit, Quartz: 11,000 kHz; MIL type CR-36/U.	6-22
Y404	Crystal Unit, Quartz: 11,500 kHz; MIL type CR-36/U.	6-22
Y405	Crystal Unit, Quartz: 12,000 kHz; MIL type CR-36/U.	6-22
Y406	Crystal Unit, Quartz: 12,500 kHz; MIL type CR-36/U.	6-22
Y407	Crystal Unit, Quartz: 13,000 kHz; MIL type CR-36/U.	6-22
Y408	Crystal Unit, Quartz: 8000 kHz; MIL type CR-36/U.	6-22
Y409	Crystal Unit, Quartz: 14,000 kHz; MIL type CR-36/U.	6-22
Y410	Crystal Unit, Quartz: 15,000 kHz; MIL type CR-36/U.	6-22
Y411	Crystal Unit, Quartz: 16,000 kHz; MIL type CR-36/U.	6-22
Y412	Crystal Unit, Quartz: 17,000 kHz; MIL type CR-36/U.	6-22
Y413	Crystal Unit, Quartz: 9500 kHz; MIL type CR-36/U.	6-22
Y414	Crystal Unit, Quartz: 14,500 kHz; MIL type CR-36/U.	6-22
Y415	Crystal Unit, Quartz: 15,500 kHz; MIL type CR-36/U.	6-22

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C501	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-18
C502	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-18
C503	Capacitor, Mica 100 pF, ± 2%, 500 VDC, MIL type CM15D1016.	6-18
C504	Capacitor, Paper: 0.1 µF, ± 10%, 200 VDC	6-18
C505	Capacitor, Paper: 0.1 µF, ± 10%, 200 VDC	6-18
C506	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC, (13499)	6-18
C507 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-18
C508 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-18
C509 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-18
C510 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-18
C511 ¹	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC (13499)	6-18
C512	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC (13499)	6-16
C513 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-16
C514 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-16
C515 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-16
C516 ¹	Capacitor, Mica 110 pF, ± 2%, 500 VDC,; MIL type CM15D111G.	6-16
C517	Capacitor, Paper: 0.1 µF, ± 10%, 200 VDC	6-17
C518	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC (13499)	6-17
C519	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC (13499)	6-17
C520	Capacitor, Variable: 3 to 12 pF, part of Z501, listed for reference only.	6-16
C521	Capacitor, Paper: 0.1 µF, ± 10%, 200 VDC	6-17
C522	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC (13499)	6-17
C523	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC (13499)	6-17
C524	Capacitor, fixed: 75 pF, part of Z501, listed for reference only.	6-16
C525	Capacitor, Variable, Ceramic: 1.5 pF, min, 7 to 10.5 pF, max, 350 VDC (72982) part no. 557.	6-17
C526	Capacitor, Mica 100 pF, ± 2%, 500 VDC, MIL type CM15D1016.	6-17
C527	Capacitor, Paper: 0.033 µF, ± 20%, 300 VDC (56289) part no. 96P33303S4.	6-17
C528	Capacitor, Paper: 0.1 µF, ± 10%, 200 VDC	6-17
C529	Capacitor, Paper: 0.033 µF, ± 20%, 300 VDC, (56289) part no. 96P33303S4.	6-17
C530	Capacitor, Mica 150 pF, ± 2%, 500 VDC, MIL type CM15D151G.	6-17
C531	Capacitor, Paper: 0.1 µF, ± 10%, 200 VDC	6-18
C532	Capacitor, Mica 100 pF, ± 2%, 500 VDC, MIL type CM15D1016.	6-18
C533	Capacitor, Paper: .033 µF, ± 20%, 300 VDC (56289) part no. 96P33303S4..	6-18
C534	Capacitor, Paper: .033 µF, ± 20%, 300 VDC (56289) part no. 96P33303S4.	6-17
C535	Capacitor, Mica 12 pF, ± 5%, 500 VDC, MIL type CM15D120J.	6-17
C536	Capacitor, Paper: 0.1 µF, ± 20%, 100 VDC (56289) part no. 96P10401S4.	6-18
C537	Capacitor, Mica 1800 pF, ± 2%, 500 VDC, MIL type CM15D181G.	6-18
C538	Capacitor, Paper: 0.1 µF, ± 10%, 200 VDC	6-17
C539	Capacitor, Mica 1000 pF, ± 2%, 500 VDC, MIL type CM30D102G.	6-18
C540	Capacitor, Ceramic: 5000 pF, ± 15%, 1000 VDC (13499)	6-18

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C541	Capacitor, Paper: 0.033 μ F, \pm 20%, 300 VDC,(56289) part no. 96P33303S4.	6-18
C542	Capacitor, Mica 47 pF, \pm 2%, 500 VDC, MIL type CM15D470G	6-18
C543	Capacitor, Paper: 0.1 μ F, \pm 10%, 200 VDC,.	6-18
C544	Capacitor, Ceramic: 5000 pF, \pm 15%, 1000 VDC,(13499)	6-18
C545	Capacitor, Paper: 0.033 μ F, \pm 20%, 300 VDC,(56289) part no. 96P33303S4.	6-18
C546	Capacitor, Mica 220 pF, \pm 2%, 500 VDC, MIL type CM15D221G.	6-18
C547	Capacitor, Paper: 0.1 μ F, \pm 10%, 200 VDC,.	6-18
C548	Capacitor, Paper: 0.1 μ F, \pm 10%, 200 VDC,.	6-18
C549	Capacitor, Paper: 10,000 pF, \pm 20%, 300 VDC, (56289) part no. 96P1030354.	6-18
C551	Capacitor, Paper: 2 μ F., \pm 10%, 500 VDC, (53021) type no. 62A.	6-18
C552	Capacitor, Ceramic: 5000 pF, \pm 15%, 1000 VDC,(13499)	6-17
C553	Capacitor, Paper: 10,000 pF, \pm 20%, 300 VDC, (56289) part no. 96P1030354.	6-17
C554	Capacitor, Mica 1600 pF, \pm 1%, 100 VDC,; part of Z502, listed for reference only.	6-17
C555	Capacitor: 50 pF, part of Z502, listed for reference only.	6-17
C556	Capacitor: 50 pF, part of Z502, listed for reference only.	6-17
C557	Capacitor: Part of T501, listed for reference only.	6-16
C558	Capacitor: Part of T501, listed for reference only.	6-16
C559	Capacitor: Part of T502, listed for reference only.	6-16
C560	Capacitor: Part of T502, listed for reference only.	6-16
C561	Capacitor: Part of T503, listed for reference only.	6-16
C562	Capacitor: Part of T503, listed for reference only.	6-16
C563	Capacitor: Part of Z503, listed for reference only.	6-16
C564 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-18
C565 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-18
C566 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-18
C567 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-18
C568 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-16
C569 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-16
C570 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-16
C571 ¹	Capacitor, Variable, Ceramic: 8 to 50 pF, 350 VDC,.	6-16
E501	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS26P202262, part no. 99X.	6-16
E502	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS26P202262, part no. 99X	6-16
E503	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS26P202262, part no. 99X	6-16
E504	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS26P202262, part no. 99X	6-16
E505	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS26P202262, part no. 99X	6-16

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
E506	Shield, Electron Tube: Medium 9 pin: (98738) part no. 26N205116.	6-16
E507	Shield, Electron Tube: Medium 9 pin: (98738) part no. 26N205116.	6-16
E508	Shield, Electron Tube: Medium 7 pin: (98738) part no. CWS26P202262, part no. 99X.	6-16
E509	Shield, Electron Tube: Medium 9 pin: (98738) part no. 26N205116.	6-16
E510	Shield, Electron Tube: Long 9 pin: (98738) part no. 26N205115.	6-16
E511 through E521	Not used.	
E522	Core, Adjustable Tuning: (92054) part no. 50-581; (13499) drawing no. 288-1092-00.	
FL502	Filter, Bandpass: 455 kHz center frequency \pm 1 kHz bandwidth; (13499) drawing no. 522-9163-002. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1-2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-18
FL503	Filter, Bandpass: 455 kHz center frequency \pm 2 kHz bandwidth; (13499) drawing no. 522- 9160-002. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1-2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-18
FL504	Filter, Mechanical, Bandpass: 455 kHz center frequency \pm 4 kHz bandwidth; (13499) drawing no. 522-9161-002. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1-2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-18
FL505	Filter, Mechanical, Bandpass: 455 kHz center frequency \pm 8 kHz bandwidth; (13499) drawing no. 522-9162-002. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel; 4-40 thread x 7/32 in. 1-2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-18

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
H501 through H515	Not used.	
H516	Ring, Retaining (89462) part no. 5101-25-C.	
H517	Ring, Retaining: 6-17 H543 Sleeve, Spring: (13499) drawing no. 340064200.	
J501 through J511	Not used.	
J512	Connector, Receptacle, Electrical: 20 male contacts; (02660) type no. 26-806.	6-16
J513	Connector, Receptacle, Electrical: 1 male contact; (30684) part no. 46025.	6-16
J514	Connector, Receptacle, Electrical: 1 male contact; (30684) part no. 46025	6-16
J515 through J517	Not used.	
J518	Connector, Receptacle, Electrical: 1 male contact; (30684) part no. 46025	6-16
L509	Coil, Tuned Circuit: Part of Z502, listed for reference only.	6-17
L510	Coil, Tuned Circuit: Part of T502, listed for reference only.	6-16
L511	Coil, Tuned Circuit: Part of T502, listed for reference only.	6-16
L512	Coil, Tuned Circuit: Part of T503, listed for reference only.	6-16
L513	Coil, Tuned Circuit: Part of T503, listed for reference only.	6-16
L514	Coil, Tuned Circuit: Part of Z503, listed for reference only.	6-16
O501	Detent, Switch: (80063) drawing no. SM-B-249227.	6-17
O502	Coupling, Shaft, Flexible: (78493) part no. D64624.	6-17
O503 Through O506	Not used.	
O507	Shaft:	6-17
O508 Through O549	Not used.	
O550	Clamp; Shaft	6-14
O551	Clamp; Shaft	6-14
R501	Resistor, Composition: 22,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF223K	6-18
R502 ⁴	Resistor, Composition: 33,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF333K	6-18
R502-A ⁴	Resistor, Composition: 39,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF393K Alternate for R502. See note 1, Fig 6-18.	6-18
R502-B ⁴	Resistor, Composition: 47,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF473K Alternate for R502. See note 1, Fig 6-18.	6-18
R502-C ⁴	Resistor, Composition: 56,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF563K Alternate for R502. See note 1, Fig 6-18.	6-18

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
R502-D ⁴	Resistor, Composition: 68,000 ohm, ± 10%, ½ W, MIL type RC20GF683K Alternate for R502. See note 1, Fig 6-18.	
R503 ⁴	Resistor, Composition: 560 ohm, ± 10%, ½ W, MIL type RC20GF561K	6-18
R503-A ⁴	Resistor, Composition: 1200 ohm, ± 10%, ½ W, MIL type RC20GF122K Alternate for R503. See note 1, Fig 6-18.	6-18
R503-B ⁴	Resistor, Composition: 1800 ohm, ± 10%, ½ W, MIL type RC20GF182K Alternate for R503. See note 1, Fig 6-18.	6-18
R503-C ⁴	Resistor, Composition: 2200 ohm, ± 10%, ½ W, MIL type RC20GF222K Alternate for R503. See note 1, Fig 6-18.	6-18
R503-D ⁴	Resistor, Composition: 2700 ohm, ± 10%, ½ W, MIL type RC20GF272K Alternate for R503. See note 1, Fig 6-18.	6-18
R504	Resistor, Composition: 1000 ohm, ± 10%, ½ W, MIL type RC20GF102K	6-18
R505	Resistor, Composition: 27,000 ohm, ± 10%, 1 W, MIL type RC32GF273K	6-18
R506	Resistor, Composition: 22,000 ohm, ± 10%, 2 W, MIL type RC42GF223K	6-18
R507	Resistor, Composition: 22,000 ohm, ± 10%, ½ W, MIL type RC20GF223K	6-17
R508	Resistor, Composition: 2200 ohm, ± 10%, ½ W, MIL type RC20GF222K	6-18
R509 and R510	Not used.	
R511	Part of T501, listed for reference only.	6-16
R512	Part of T501, listed for reference only.	6-16
R513	Resistor, Composition: 100 ohm, ± 10%, ½ W, MIL type RC20GF101K	6-17
R514	Resistor, Composition: 82,000 ohm, ± 10%, ½ W, MIL type RC20GF823K	6-17
R515	Resistor, Composition: 27,000 ohm, ± 10%, ½ W, MIL type RC20GF273K	6-17
R516	Resistor, Composition: 22,000 ohm, ± 10%, ½ W, MIL type RC20GF223K	6-17
R517	Not used.	
R518	Resistor, Composition: 100 ohm, ± 10%, ½ W, MIL type RC20GF101K	6-17
R519	Resistor, Variable: 10,000 ohm, ± 20%, 1 W, MIL type RV2LAXSA103B.	6-16
R520	Resistor, Composition: 27,000 ohm, ± 10%, ½ W, MIL type RC20GF273K	6-17
R521	Resistor, Composition: 2200 ohm, ± 10%, ½ W, MIL type RC20GF222K	6-17
R522	Part of T503, listed for reference only.	6-16
R523	Resistor, Variable: 100 ohm, ± 20%, 1 W, MIL type RV2LAXSA101B.	6-16
R524	Resistor, Composition: 680 ohm, ± 10%, ½ W, MIL type RC20GF681K	6-17
R525	Resistor, Composition: 2200 ohm, ± 10%, 1 W, MIL type RC32GF222K	6-17
R526	Resistor, Composition: 27,000 ohm, ± 10%, ½ W, MIL type RC20GF273K	6-18
R527	Resistor, Composition: 27,000 ohm, ± 10%, ½ W, MIL type RC20GF273K	6-18
R528	Resistor, Composition: 150,000 ohm, ± 10%, ½ W, MIL type RC20GF154K	6-17
R529	Resistor, Composition: 33,000 ohm, ± 10%, ½ W, MIL type RC20GF333K	6-17
R530	Resistor, Composition: 22,000 ohm, ± 10%, 1 W, MIL type RC32GF223K	6-17
R531	Resistor, Composition: 2200 ohm, ± 10%, ½ W, MIL type RC20GF222K	6-17
R532	Resistor, Composition: 470,000 ohm, ± 10%, ½ W, MIL type RC20GF474K	6-18
R533	Resistor, Composition: 820,000 ohm, ± 10%, ½ W, MIL type RC20GF824K	6-18
R534	Resistor, Composition: 390,000 ohm, ± 10%, ½ W, MIL type RC20GF394K	6-18

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
R535	Resistor, Composition: 470,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF474K	6-18
R536	Resistor, Fixed, Wire Wound: 4 ohm, $\pm 5\%$, 8 W, MIL type RW30G4R0.	6-18
R537	Resistor, Composition: 22 ohm, $\pm 10\%$, 1 W, MIL type RC32GF220K	6-16
R538	Resistor, Composition: 390 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF391K	6-18
R539	Resistor, Composition: 47,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF473K	6-18
R540	Resistor, Composition: 1 meg. $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF105K	6-18
R541	Resistor, Composition: 270 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF271K	6-18
R542	Resistor, Composition: 1000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF102K	6-18
R543	Resistor, Composition: 47,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF473K	6-18
R544	Resistor, Composition: 2.7 meg. $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF275K	6-17
R547	Resistor, Composition: 220,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF224K	6-17
R548	Resistor, Composition: 27 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF270K	6-17
R549	Resistor, Composition: 82,000 ohm, $\pm 10\%$, 1 W, MIL type RC32GF823K	6-17
R550	Resistor, Composition: 82,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF823K	6-17
R551	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-17
R552	Resistor, Composition: 27 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF270K	6-18
R553	Part of T502, listed for reference only.	6-16
R554	Part of T502, listed for reference only.	6-16
RT510	Resistor, Current Regulator: 0.310 A, 8.6 VAC, (70563) ballast 3TF7.	6-16
S501	Switch Section, Rotary: 1 moving contact, 7 fixed, 1 pole; (13499) drawing no. 269-1769-00.	6-18
S502	Switch Section, Rotary: 2 moving contacts, 17 fixed, 2 poles; (13499) drawing no. 268-1770-00.	6-18
S503	Switch Section, Rotary: 2 moving contacts, 17 fixed, 2 poles; (13499) drawing no. 268-1770-00.	6-17
T501	Transformer, Intermediate Frequency: 455 kHz center frequency, consisting of L506, L507, R511, R512, C557, and C558, (13499) drawing no. 278-0236-00. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-16
T502	Transformer, Intermediate Frequency: 455 kHz center frequency, consisting of L510, L511, R553, L554, C559, and C560, (13499) drawing no. 278-0236-00. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-16
T503	Transformer, Intermediate Frequency: 455 kHz center frequency, consisting of L512, L513, R522, C561, and C562; (13499) drawing no. 278-0237-00. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-16

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
TB501	Terminal Phenolic: 10 turret terminal component mounting board, IF subassembly (80063) drawing no. SM-B-249000.	
TB502	Terminal Phenolic: 10 turret terminal, component mounting board, IF subassembly (80063) drawing no. SM-B-249003.	
V501	Electron Tube: Mil type 5749/6BA6W.	
V502	Electron Tube: Mil type 5749/6BA6W	
V503	Electron Tube: Mil type 5749/6BA6W	
V504	Electron Tube: Mil type 6AK6.	
V505	Electron Tube: Mil type 5749/6BA6W	
V506	Electron Tube: Mil type 5814A.	
V507	Electron Tube: Mil type 5814A.	
V508	Electron Tube: Mil type 5749/6BA6W.	
V509	Electron Tube: Mil type 5814A.	
XRT510	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	
XV501	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required.	
XV502	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required.	
XV503	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required.	

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
XV504	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required..	
XV505	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required.	
XV506	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread – 2 required. Washer, Lock: No. 4 - 2 required.	
XV507	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required.	
XV508	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required..	
XV509	Socket, Electron Tube: JAN type TS102P01 (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock. No. 4 - 2 required.	
Y501	Crystal Unit, Quartz: 455 kHz, MIL type CR-45/U. Part of Z501.	

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Parts List: Part 4 - IF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
Z501	Filter, Bandpass: 455 kHz peak frequency, including L503, C520, C524, and Y501. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	
Z502	Oscillator, Radio Frequency: 452 kHz to 458 kHz frequency range; including L508, L509, C554, C555, and C556. (13499) drawing no. 522-0196-004. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	
Z503	Tuned Circuit, Intermediate Frequency: 455 kHz center frequency; Including L514 and C563, (13499) drawing no. 278-0235-00. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	

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Parts List: Part 5 - AF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C601	Capacitor, Paper: 10,000 pF, $\pm 20\%$, 300 VDC, (56289) part no. 96P1030354.	6-28
C602	Capacitor, Paper: 0.033 μ F, $\pm 20\%$, 300 VDC,(56289) part no. 96P33303S4.	6-28
C603	Capacitor, Electrolytic: 3 section, 30 μ F., 300 VDC, MIL type CE53C300N. (Attaching Parts) Spacer: Anodized al, hex rod, 1/4 in. x 1-3/4 in. 1, drilled and tapped 3/8 in. for 6-32 screw - 1 required. Clamp, LOOP: 1/2 in. steel strap, w/hold down tab - 1 required. Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 13/36 in. 1 - 1 required. Nut, Hex: Self locking, steel, 6-32 thread - 1 required. Screw, Machine: Filister head, steel, 6-32 thread x 3/8 in. 1 - 2 required Washer, Lock; No. 6 - 2 required. Washer, Flat: No. 6 - 2 required	6-27
C604	Capacitor, Paper: 10,000 pF, $\pm 20\%$, 300 VDC, (56289) part no. 96P1030354.	6-28
C605	Capacitor, Paper: 10,000 pF, $\pm 20\%$, 300 VDC, (56289) part no. 96P1030354.	6-28
C606	Capacitor, Electrolytic: 2 sections, 45 μ F 300 VDC, MIL type CE52C450N. (Attaching Parts) Spacer: Anodized al, hex rod, 1/4 in. x 1-3/4 in. 1, drilled and tapped 3/8 in. for 6-32 screw - 1 required. Clamp, LOOP: 1/2 in. steel strap, w/hold down tab - 1 required. Nut, Hex: Self locking, steel, 6-32 thread 1 required. Screw, Machine: Filister head, recessed drive, 6-32 thread x 3/8 in. 1 - 2 required. Screw, Machine: Pan head, recessed drive, 6-32 thread x 13/36 In. 1 -1 required. Washer, Lock: No. 6 - 2 required. Washer, Flat: No. 6 - 2 required.	6-27
C607	Capacitor, Paper: 10,000 pF, $\pm 20\%$, 300 VDC, (56289) part no. 96P1030354.	6-28
C608	Capacitor, Paper: 10,000 pF, $\pm 20\%$, 300 VDC, (56289) part no. 96P1030354.	6-28
C609	Capacitor, Electrolytic: 8 μ F, 30 VDC, (21520) type no. PP8B30A2.	6-28
C611	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC,(13499)	6-28
C612	Capacitor, Mica 68 pF, $\pm 2\%$, 500 VDC, MIL type CM15D680G.	6-28
E601	Shield, Electron Tube: Medium 9 pin.	6-27
E602	Shield, Electron Tube: Medium 9 pin.	6-27
E603	Shield, Electron Tube: Medium 7 pin.	6-27
E604	Shield, Electron Tube: Medium 7 pin	6-27
E605	Shield, Electron Tube: Long 7 pin.	6-27
E607	Jack, Tip: 1 female contact.	6-27
FL601	Filter, Bandpass: 800 Hz center frequency, ± 100 Hz bandwidth (13499) (Attaching Parts) Nut, Hex: Steel, 6-32 thread - 4 required. Washer, Lock: No. 6 - 4 required. Washer, Flat: No. 6 - 4 required.	6-27

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Parts List: Part 5 - AF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
H611	Sleeve, Spring: For No. 8 captive screw (80063) drawing no. SM-B-283175.	6-28
J601 Through J618	Not used.	
J619	Insert, Connector, Electrical: 11 male contacts; (02660) part no. 26-804. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 5/8 in. 1 -2 required. Nut, Hex: Steel, 4-40 thread 2 required.	6-27
J620	Connector, Plug, Electrical; 15 male contacts; (02660) part no. 26-151. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 5/8 in. 1 -2 required. Nut, Hex: Steel, 4-40 thread - 2 required.	6-27
K601	Relay, Break-In: 25 VAC, 1.0 A; Robbins and Meyers type no. HL-SA-RF; per SM-C-283244. (Attaching Parts) Nut, Hex: Steel, 6-32 thread - 3 required. Washer, Lock: No. 6 - 3 required.	6-27
L601	Coil Reactor: 2.5 H at 50 V rms, 60 Hz, 200 mA, 137 ohm at 25° C; (73386) type no. 25701. (Attaching Parts) Nut, Hex: Steel, 6-32 thread - 4 required. Washer, Lock: No. 6 - 4 required. Washer, Flat: Steel, no. 6 - 4 required.	6-27
L602	Coil Reactor: 6.0 H at 10 V rms., 60 Hz, 150 mA., 137 ohm at 25°C; (73386) type no. 25700. (Attaching Parts) Nut, Hex: Steel, 6-32 thread - 4 required. Washer, Lock: No. 6 - 4 required. Washer, Flat: Steel, no. 6 - 4 required.	6-27
L603	Coil Reactor: 4.0 H at 10 V rms., 60 Hz, 50 mA., 110 ohm at 25°C; (98738) type no. 24N205209. (Attaching Parts) Nut, Hex: Steel, 6-32 thread - 4 required. Washer, Lock: No. 6 - 4 required. Washer, Flat: Steel, no, 6 - 4 required.	6-27

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Parts List: Part 5 - AF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
R601	Resistor, Composition: 680,000 ohm, ± 10%, ½ W, MIL type RC20GF684K	6-28
R602	Resistor, Composition: 2.7 meg, ± 10%, ½ W, MIL type RC20GF275K	6-28
R603	Resistor, Composition: 680,000 ohm, ± 10%, ½ W, MIL type RC20GF684K	6-28
R604	Resistor, Composition: 1200 ohm, ± 10%, ½ W, MIL type RC20GF122K	6-28
R605	Resistor, Composition: 56, 000 ohm, ± 10%, 1 W, MIL type RC32GF563K	6-28
R606	Resistor, Composition: 2200 ohm, ± 10%, 1 W, MIL type RC32GF222K	6-28
R607	Resistor, Composition: 470,000 ohm, ± 10%, ½ W, MIL type RC20GF474K	6-28
R608	Resistor, Composition: 470,000 ohm, ± 10%, ½ W, MIL type RC20GF474K	6-28
R609	Resistor, Composition: 470,000 ohm, ± 10%, ½ W, MIL type RC20GF474K	6-28
R610	Resistor, Composition: 680 ohm, ± 10%, ½ W, MIL type RC20GF681K	6-28
R611	Resistor, Composition: 180,000 ohm, ± 10%, 1 W, MI type RC32GF184K	6-28
R612	Resistor, Composition: 220,000 ohm, ± 10%, 1 W, MIL type RC32GF224K	6-28
R613	Resistor, Composition: 470,000 ohm, ± 10%, ½ W, MIL type RC20GF474K	6-28
R614	Resistor, Composition: 560 ohm, ± 10%, 1 W, MIL type RC32GF561K	6-28
R615	Resistor, Composition: 56 ohm, ± 10%, ½ W, MIL type RC20GF560K	6-28
R617	Resistor, Wire Wound: 1600 ohm, ± 5%, 10 W, MIL type RW31G162. (Attaching Parts) Spacer, Feedthrough: Al., anodized, 3/16 in. dia. x 1-1/2 in., w/machined collar 1 end, 1/4 in. dia. x 3/32 in., drilled and tapped each end 3/8 in. for a 6-32 screw - 1 required. Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 3/8 in. - 2 required. Washer, Lock: No. 6 - 1 required. Washer, Flat: Steel, 1/2 in. od., 3/16 in. id - 1 required. Washer, Flat: Steel, 3/8 in. od., 3/32 in. id - 1 required. Washer, Insulating: Mica, 1/32 in. thick, 1/2 in. o.d., 3/16 in. id -1 required. Washer, Insulating: Mica, 1/32 in. thick, 3/8 in. o.d., 3/16 in. id - required.	6-28
R618	Resistor, Wire Wound: 1200 ohm, ± 5%, 10 W, MIL type RW31G122. (Attaching Parts) Spacer, Feedthrough: Al, anodized, 3/16 in. dia x 1-1/2 in. 1, w/machined collar 1 end, 1/4 in. dia x 3/32 in., drilled and tapped each end 3/8 in. for 6-32 screw - 1 required. Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 3/8 in. - 1 required, Washer, Lock: No. 6 - 1 required. Washer, Flat: Steel, 1/2 in. od, 3/16 in. id - 1 required. Washer, Flat: Steel, 3/8 in. od, 3/32 in. id - 1 required. Washer, Insulating: Mica, 1/32 in. thick, 1/2 in. od, 3/16 in. id -1 required. Washer, Insulating: Mica, 1/32 in. thick, 3/8 in. od, 3/16 in. id -1 required.	6-28

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Parts List: Part 5 - AF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
R619	Resistor, Fixed, Wire Wound: 800 ohm, $\pm 5\%$, 8 W, MIL type RW30G801. (Attaching Parts) Spacer, Feed-through: Al, anodized, 3/16 in. dia x 1 in., w/machined collar 1 end, 1/4 in. dia x 3/32 in. drilled and tapped each end 5/16 in. for 4-40 screw - 1 required. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 3/8 in - 2 required. Washer, Flat: Steel, 1/2 in. od, 3/16 in. id - 1 required. Washer, Flat: Steel, 3/8 in. od, 3/32 in. id 1 required. Washer, Insulating: Mica, 1/32 in. thick, 1/2 in. od, 3/16 in. id -1 required. Washer, Insulating: Mica, 1/32 in. thick, 3/8 in. od, 3/32 in. id -1 required. Washer, Lock: No. 4 - 1 required.	6-28
R620	Resistor, Composition: 470,000 ohm, $\pm 10\%$, 1/2 W, MIL type RC20GF474K	6-28
R621	Resistor, Composition: 680 ohm, $\pm 10\%$, 1/2 W, MIL type RC20GF681K	6-28
R622	Resistor, Composition: 180,000 ohm, $\pm 10\%$, 1 W, MI type RC32GF184K	6-28
R623	Resistor, Composition: 47 ohm, $\pm 10\%$, 1/2 W, MIL type RC20GF470J.	6-28
R624	Resistor, Composition: 470,000 ohm, $\pm 10\%$, 1/2 W, MIL type RC20GF474K	6-28
R625	Resistor, Composition: 560 ohm, $\pm 10\%$, 1 W, MIL type RC32GF561K	6-28
R626	Resistor, Composition: 150,000 ohm, $\pm 10\%$, 1 W, MIL type RC32GF154K	6-28
R627	Resistor, Composition: 1000 ohm, $\pm 10\%$, 1/2 W, MIL type RC20GF102K	6-28
T601	Transformer, Audio Frequency: 10,000 ohm primary impedance, 600 ohm output impedance, 20 mA. pri.; Chicago Trans. type no. CSTC 17594. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-27
T602	Transformer, Audio Frequency: 10,000 ohm primary impedance, 600 ohm output impedance, 20 mA. pri.; Chicago Trans. type no. CSTC 17594. (Attaching Parts) Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-27
TB601	Terminal Phenolic; 25 turret terminal, component mounting board, AF sub-assembly; (80063) SM-B-248987. (Attaching Parts) Spacer: Al, anodized, 1/4 in. hex x 5/8 in. 1, drilled through and tapped each end for 6-32 screw - 2 required. Screw, Machine: Pan head, recessed drive, steel, 6-32 thread x 5/32 in. - 4 required. Washer, Lock: No. 6 - 4 required. Washer, Flat: Steel, no. 6 - 4 required.	6-28

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Parts List: Part 5 - AF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
V601	Electron Tube: Mil type 5814A.	6-27
V602	Electron Tube: Mil type 5814A.	6-27
V603	Electron Tube: Mil type 6AK6.	6-27
V604	Electron Tube: Mil type 6AK6.	6-27
V605	Electron Tube: Mil type OA2WA.	6-27
XC601 and XC602	Not used.	
XC603	Socket, Electron Tube: JAN type TS101P01. (Attaching Parts) Screw, Machine: Filister head, recessed drive, steel, 6-32 thread 13/32 in. 1-2 required. Nut, Hex: Steel, 6-32 thread - 2 required. Washer, Lock: No. 6 - 2 required. Spacer: Al, anodized, 1/8 in. thick x 1/4 in. od, drilled for no. 6 screw - 2 required.	6-28
XC604 and XC605	Not used.	
XC606	Socket, Electron Tube: JAN type TS101P01. (Attaching Parts) Screw, Machine: Filister head, recessed drive, steel, 6-32 thread 13/32 in. 1-2 required. Nut, Hex: Steel, 6-32 thread - 2 required. Washer, Lock: No. 6 - 2 required. Spacer: Al, anodized, 1/8 in. thick x 1/4 in. od, drilled for no. 6 screw - 2 required.	6-28
XV601	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1-2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-28
XV602	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1-2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-28

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Parts List: Part 5 - AF Amplifier Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
XV603	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1 -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-28
XV604	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1 -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required	6-28
XV605	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. 1 -2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required	6-28

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Parts List: Part 6 - VFO Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
C701	Capacitor: 370 pF, $\pm 1\%$, 500 VDC, (71590) type no. 951-001; part of HR701, listed for reference only.	6-25
C702	Capacitor; 10 pF, part of HR701, listed for reference only.	6-25
C703	Capacitor; 10 pF, part of HR701, listed for reference only.	6-25
C704	Capacitor: 15 pF, $\pm 2\%$, 500 VDC, MIL type CC30CH150G, part of HR701, listed for reference only.	6-25
C705	Capacitor, Assembly: Fixed, ceramic dielectric, 6 sections, consisting of C705, C707, C708, C712, C713, and C714, 5000 pF, $\pm 10\%$, 1000 VDC, (04713) part no. 301B13995-1.	6-26
C706	Capacitor, Variable, Glass Dielectric; 1.5 to 8 pF, Corning part no. 692063; (13499) drawing no. 922-0150-00. Part of Z702.	6-25
C707	Part of C705.	6-26
C708	Part of C705.	6-26
C709	Capacitor, Mica 510 pF, $\pm 2\%$, 300 VDC, MIL type CM15D511G. Part of Z702.	
C710	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-25
C711	Capacitor, Ceramic: 5000 pF, $\pm 15\%$, 1000 VDC, (13499)	6-25
C712	Part of C705.	6-26
C713	Part of C705.	6-26
E701	Shield, Electron Tube: Medium 7 pin, (98738) part no. CWS26P202262, Type 99X.	6-25
H701	Washer, Lock: No. 8 split (80063) drawing no. SM-B-283201.	
HR701	Oven, Tuned Circuit: Including C701, C702, C704, L701, L702, and L705.	6-25
J701 to J708	Not used.	
J709	Connector, Receptacle, Electrical: MIL type MS24056-1.	6-25
L701	Coil, Tuned Circuit: Part of HR701, listed for reference only.	6-25
L702	Coil, Tuned Circuit: Part of HR701, listed for reference only.	6-25
L703 & L704	Not used.	
L705	Reactor, Radio Frequency: 7.5 μ H (13499) drawing no. 240-0098-00.	6-25
L706	Coil, Radio Frequency: 10 μ H (82142) part no. 10102-32.	6-26
0701 to 0705	Not used.	
0706	Coupling:	6-4
0707	Coupler, Oldham: Used on VFO shaft.	6-15
0708	Spring: 6-4 0709 CLIP, TUBE SHIELD RETAINER; (13499) drawing no. 506-4207-0026-15	6-25
P717	Connector, Plug, Electrical: 1 female contact, 90° angle; (30484) part no. 45400.	6-25

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Parts List: Part 6 - VFO Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
R701	Resistor, Composition: 150,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF154K	6-26
R702 ⁸	Resistor, Composition: 56,000 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF563K	6-26
R703	Resistor, Composition: 2200 ohm, $\pm 10\%$, $\frac{1}{2}$ W, MIL type RC20GF222K	6-26
R704	Resistor, Composition: 150 ohm, $\pm 10\%$, $\frac{1}{2}$ W. Part of Z702.	6-25
S701	Switch, Thermostatic: 115 VAC, 10 A; 230 VAC, 5 A; (73168) part no. 17010; part of HR701, listed for reference only.	6-25
T701	Transformer, Radio Frequency: Pri.: 173 μ H, sec: 5.75 μ H (90526) type no. P-191-A. Part of Z702.	6-25
V701	Electron Tube: Mil type 5749 / 6BA6W.	6-25
W701A	Cable, Radio Frequency: RG-187/U.	6-26
XV701	Socket, Electron Tube: JAN type TS102P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. - 2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock No. 4 - 2 required.	6-26
Z702	RF Tuned Circuit: 2.4 to 3.5 MHz frequency range; consists of T701, C706, C709, and R704.	6-25

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Parts List: Part 7 - Power Supply Sub-Chassis		
Ref. Desig.	Name And Description	Fig. No.
CR801 ⁷	Semi-Conductor, Diode: MIL type 1N561.	
CR802 ⁷	Semi-Conductor, Diode: MIL type 1N561.	
E801	Shield, Electron Tube: Medium 9 pin; (98738) part no. 26N205116.	6-29
E802	Shield, Electron Tube: Medium 9 pin; (98738) part no. 26N205116.	6-29
J801 through J810	Not used.	
J811	Insert, Connector Electrical: 11 male contacts; (02660) part no. 26-804.	6-29
T801	Transformer, Power, Step-Up And Step-Down: 115/230 volt, 48 to 62 Hz, 1 phase; Chicago Trans. type no. CSTC 20164.	6-29
TB801	Terminal Board: Power input. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 5/8 in. - 4 required. Nut, Hex; Steel, 4-40 thread - 4 required.	6-30
V801 ⁷	Electron Tube: Mil type 26Z5W.	6-29
V802 ⁷	Electron Tube: Mil type 26Z5W.	6-29
XV801	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. - 2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-30
XV802	Socket, Electron Tube: JAN type TS103P01. (Attaching Parts) Screw, Machine: Pan head, recessed drive, steel, 4-40 thread x 7/32 in. - 2 required. Nut, Hex: Steel, 4-40 thread - 2 required. Washer, Lock: No. 4 - 2 required.	6-30

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Parts List: Part 8 - Change Additions		
Ref. Desig.	Name And Description	Fig. No.
J901 ⁵	Connector, Electrical: (06840) drawing no. AN3102A10SL4S. (Attaching Parts) Screw, Machine: Pan head, slotted head, steel, 4-40 thread x 1/4 in. - 4 required. Nut, Hex: Steel, 4-40 thread - 4 required. Washer, Lock; No. 4 - 4 required.	6-38
J902 ⁵	Connector, Electrical: (06840) drawing no. AN3102A10SL4S. (Attaching Parts) Screw, Machine: Pan head, slotted head, steel, 4-40 thread x 1/4 in. - 4 required. Nut, Hex: Steel, 4-40 thread - 4 required. Washer, Lock; No. 4 - 4 required.	6-38
J903 ⁵	Connector, Electrical: (02660) drawing no. AN3102A16S5P. (Attaching Parts) Screw, Machine: Pan head, slotted head, steel, 4-40 thread x 1/4 in. - 4 required. Nut, Hex: Steel, 4-40 thread - 4 required. Washer, Lock: No. 4 - 4 required.	6-38
J904 ⁶	Jack, Tip, Diode Test: (08288) drawing no. MS5935-06.	6-32
J1001	Connector:	
P901 ⁵	Connector: MIL type MS3108B-10SL-4S.	
P901-B ⁵	Adapter: (88044) drawing no. AN-3057-4B.	
P902 ⁵	Connector: MIL type MS3108B-10SL-4S.	
P902-B ⁵	Adapter: (88044) drawing no. AN-3057-4B.	
P903 ⁵	Connector: MIL type MS3108B-16S-5S.	
P903-B ⁵	Clamp: (88044) drawing no. AN-3057-8	
P1001	Connector: (74868) drawing no. IIC83200.	
P1002	Connector, Electrical: (91146) drawing no. B2246-1.	
P1003	Connector: (81349) MIL type A27434-23.	
P1004	Connector: (96906) MIL type: MS35322-567A.	
P1005	Adapter: (96906) MIL type MS35315 REV B.	

7.4 LIST OF MANUFACTURERS

Table 7-3: List Of Manufacturers

List of Manufacturers		
Mfr Code	Name	Address
02660	Amphenol - Borg Electronics Corp.	Chicago, Ill.
04009	Arrow Hart & Hegeman Electric Co.	Hartford, Conn.
04713	Motorola, Inc.	Phoenix, Ariz.
06840	Bendix Corp.	Detroit, Michigan
08288	Military Supply Standard	
08806	General Electric	Cleveland, Ohio
13499	Collins Radio Company	Cedar Rapids, Iowa
21520	Fansteel	Chicago, Ill.
30684	Industrial Product Co.	Philadelphia, Pa.
53021	Sangamo	Springfield, Ill.
55026	Simpson Electric	Chicago, Ill.
56289	Sprague Electric Company	North Adams, Mass.
70563	Amperite Co.	Union City, N.J.
71450	C.T.S. Corp.	Elkhart, Ind.
71590	Centralab Div. of Globe-Union	Milwaukee, Wis.
71785	Cinch Mfg. Co. and Howard B. Jones Div.	Chicago, Ill.
72136	Electro Motive Mfg. Co.	Willimantic, Conn.
72982	Erie Technological Products	Erie, Pa.
73168	Fenwal	Ashland, Mass.
73386	Freed Transformer Co.	Brooklyn, N. Y.
74868	Amphenol Corp., Amphenol R. F. Div.	Danbury, Conn.
74970	E.F. Johnson	Waseca, Minn.
75378	CTS Knights Inc.	Sandwich, Ill.
75915	Littelfuse, Inc.	Des Plaines, Ill.
76854	Oak Mfg. Co.	Crystal Lake, Ill.
80063	Signal Corps Eng.	Fort Monmouth, N. J.
81348	Federal Specification Promulgated by General Service Administration	
81349	Military Specifications Promulgated by Standardization Div. Directorate of Logistics Services DSA	
82104	Grigsby Allison Co., Inc.	Arlington Heights, Ill.
82142	Jeffers Electronics	DuBois, Pa.
82424	Knudsen	Chicago, Ill.
88044	Aeronautical Standard Group Dept of Navy and Air Force	
88063	Communication Accessories	Summit, Mo.
89462	Waldes Kohinoor Inc.	Cambridge, Mass.
90526	Clippard Inst. Lab Company	Cincinnati, Ohio
91146	ITT Cannon Electric Inc., Salem Div.	Salem, Mass.
92054	Radio Cores Inc.	Lawn, Ill.
95265	National Coil	Sheridan, Wyo.
96906	Military Standards Promulgated by Standardization Div. Directorate of Logistics Services DSA	
98291	Sealectro Corp.	Mamaroneck, N.Y.
98738	Stewart-Warner Electronics	Chicago, Ill.