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LIST NO. ML-10012
SHEET 1 OF 15 SHEETS

RECEIVING SET, RADIO AN/FRR-502		RECEIVER SUBASSEMBLY R-5007/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C100	10EC/29449	CAPACITOR: variable, ceramic, 4-30 uuf, 500 vdcw.	IF Coupling	CV11C300	JAN-C-81
C101	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C102	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C103	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Plate Decoupler	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C104	10EC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$, char. D, 500 vdcw.	Part of IF Tank	CM20D621G	MIL-C-5A
C105	10EC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$, char. D, 500 vdcw.	Part of IF Tank	CM20D621G	MIL-C-5A
C106	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	AVC Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C107	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C108	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C109	10EC/37190	CAPACITOR: fixed, ceramic, 15 uuf, $\pm 5\%$, 500 vdcw.	IF Output	CC21SL150J	JAN-C-20A
C110	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Part of IF Tank	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26

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RECEIVING SET, RADIO AN/FRR-502		RECEIVER SUBASSEMBLY R-5007/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C111	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$, char. D, 500 vdcw.	Part of IF Tank	CM20D621G	MIL-C-5A
C112	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$, char. D, 500 vdcw.	Part of IF Tank	CM20D621G	MIL-C-5A
C113	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5SL (CCK05W103Z)	JCNAAF-C-26
C114	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5SL (CCK05W103Z)	JCNAAF-C-26)
C115	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Plate Decoupler	TMC CC-100-16 CDC TM5SL (CCK05W103Z)	JCNAAF-C-26
C116	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$, char. D, 500 vdcw.	Part of IF Tank	CM20D621G	MIL-C-5A
C117	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$, char. D, 500 vdcw.	Part of IF Tank	CM20D621G	MIL-C-5A
C118	1OEC/31924 (1OEC/35246)	CAPACITOR: fixed, ceramic, 100 uuf, $\pm 10\%$, 500 vdcw.	IF Bypass	CC26SL101K (CC26SL101J)	JAN-C-20A JAN-C-20A
C119	1OEC/35245	CAPACITOR: fixed, ceramic, 51 uuf, $\pm 5\%$, 500 vdcw.	DET-AVC Coupling	CC21SL510J	JAN-C-20A
C120 A & B	1OEC/38122	CAPACITOR: fixed, paper, dual unit, .5 uf, $\pm 15\%$ ea. sect., 600 vdcw, oil filled and impregnated, hermetically sealed metal case.	Filter Capacitor	CP69B4EF504L	MIL -C-25A
C121	1OEC/31924 (1OEC/35246)	CAPACITOR: fixed, ceramic, 100 uuf, $\pm 10\%$, 500 vdcw.	IF Bypass	CC26SL101K (CC26SL101J)	JAN-C-20A JAN-C-20A

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RECEIVING SET, RADIO AN/FRR-502		RECEIVER SUBASSEMBLY R-5007/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C122	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), + 20%, 500 vdcw, disc type.	Audio Coupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C123	10EC/38164	CAPACITOR: fixed, paper, .05 uf, +40,-20%, 400 vdcw, plastic tubular case, one section.	Noise Limiter Time Con- stant	TMC CN-100-3 CDC PJ4S5	
C124		NOT USED			
C125	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), + 20%, 500 vdcw, disc type.	Audio Coupler	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C126	10EC/39320	CAPACITOR: fixed, electrolytic, 25 uf, + 10%, 150 vdcw, one sect., hermetically sealed aluminum case.	Cathode Bypass	TMC CE-100 AVX E26E1934	
C127	(10EC/37191)	CAPACITOR: fixed, ceramic, .005 uf, (GMC), + 20%, 500 vdcw, disc type.	Audio Bypass	TMC CC-100-15 CDC TM5D5 (CCKO4W472Z)	JCNAAF-C-26
C128	(10EC/30986)	CAPACITOR: fixed, paper, 1 uf, + 10%, 600 vdcw, oil filled and im- pregnated, hermetically sealed case.	Audio Filter	CP69B1EF105L (CP69B1EF105K)	JAN-C-25A MIL-C-25A
C129	10EC/38164	CAPACITOR: fixed, paper, .05 uf, +40,-20%, 400 vdcw, plastic tubular case, one section.	Reactance Tube Grid	TMC CN-100-3 CDC PJ4S5	
C130	10EC/38164	CAPACITOR: fixed, paper, .05 uf, +40,-20%, 400 vdcw, plastic tubular case, one section.	Reactance Tube Grid Filter	TMC CN-100-3 CDC PJ4S5	

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Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C131	1OEC/37192	CAPACITOR: fixed, ceramic, 22 uuf, $\pm 5\%$, 500 vdcw.	Reactance Tube Phase Network	CC21SL220J	JAN-C-20A
C132	1OEC/34911	CAPACITOR: fixed, ceramic, 1000 uuf, $\pm 20\%$, char. A, 500 vdcw, disc type.	Blocking	TMC CC-100-9 CDC TM5D1	
C133	(1OEC/37191)	CAPACITOR: fixed, ceramic, .005 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	Reactance Tube Cathode Bypass	TMC CC-100-15 CDC TM5D5 (CCKO4W472Z)	JCNAAF-C-26
C134	1OEC/37203	CAPACITOR: fixed, ceramic, 220 uuf, $\pm 10\%$, 500 vdcw.	P/O Output Tank	TMC CC-101-3 ERE GP2K221K	
C135	1OEC/37224	CAPACITOR: fixed, ceramic, 150 uuf, $\pm 10\%$, 500 vdcw.	Reactance Tube Coupling	TMC CC-101-2 ERE GP2K151K (CCK22W151Z)	JCNAAF-C-26
C136	1OEC/29267 (1OEC/29843)	CAPACITOR: fixed, mica, 510 uuf, $\pm 2\%$, char. C, 500 vdcw.	P/O BFO Tank	CM20C511G (CM20D511J)	MIL-C-5A
C137	1OEC/39626	CAPACITOR: variable, air dielectric, 2.3-15 uuf, one sect., 500 vdcw plate meshing type.	BFO Pitch	TMC CT-104-2 ASP MAPC-15	
C138	1OEC/36306	CAPACITOR: fixed, ceramic, 47 uuf, $\pm 10\%$, 500 vdcw.	BFO Grid Coupling	CC21SL470K	JAN-C-20A
C139	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	BFO Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C140	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	BFO Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C141	1OTJ/182394	CAPACITOR: fixed, ceramic, 30 uuf, $\pm 5\%$, 500 vdcw.	Xtal BFO Grid Bypass	CC21SL300J	JAN-C-20A

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Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C142	10EC/37224	CAPACITOR: fixed, ceramic, 150 uuf, $\pm 10\%$, 500 vdcw.	RF Screen Bypass	TMC CC-101-2 ERE GP2K151K (CCK22W151Z)	JCNAAF-C-26
C143	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	RF Bypass	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C144		CAPACITOR: fixed, ceramic, 10 uuf, $\pm .5$ uuf.	BFO Injection	CC21SL100D	JAN-C-20A
C145	10EC/31923	CAPACITOR: fixed, ceramic, 5 uuf, $\pm .5$ uuf, 500 vdcw.	BFO Output	CC21SL050D	JAN-C-20A
C146	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), $\pm 20\%$, 500 vdcw, disc type.	AVC Time Constant	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C147 A & B	10EC/37225 (10EC/27386)	CAPACITOR: fixed, paper, dual unit, .1 uf, $\pm 10\%$, ea. sect., 600 vdcw, oil filled and impregnated, hermetically sealed metal case.	Line Bypass	CP53B4EF104K (CP53B4EF104V)	JAN-C-25A MIL-C-25A
C148		CAPACITOR: fixed, paper, 4.0 uf, +20, -10%, 600 vdcw, oil filled and impregnated, hermetically sealed metal case.	Power Supply Filter	CP41B1FF405V (CP41B1FF405K)	JAN-C-25A MIL-C-25A
C149		CAPACITOR: fixed, paper, 4.0 uf, +20, -10%, 600 vdcw, oil filled and impregnated, hermetically sealed metal case.	Power Supply Filter	CP41B1FF405V (CP41B1FF405K)	JAN-C-25A MIL-C-25A
C150		CAPACITOR: fixed, paper, 4.0 uf, +20, -10%, 600 vdcw, oil filled and impregnated, hermetically sealed metal case.	Power Supply Filter	CP41B1FF405V (CP41B1FF405K)	JAN-C-25A MIL-C-25A

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RECEIVING SET, RADIO AN/FRR-502		RECEIVER SUBASSEMBLY R-5007/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw.or Spec.
C151	10EC/39320	CAPACITOR: fixed, electrolytic, 25 uf, + 10%, 150 vdcw, one sect., hermetically sealed aluminum case.	Negative Supply Filter	TMC CE-100 AVX E26E1934	
C152	10EC/38164	CAPACITOR: fixed, paper, .05 uf, +40,-20%, 400 vdcw, plastic tubular case, one section.	B+ Filter	TMC CN-100-3 CDC PJ4S5	
C153 A & B	10EC/39365	CAPACITOR: fixed, ceramic, dual unit, .01 uf, ea. sect., 500 vdcw.	Filter Bypass	TMC CC-100-23 CDC TM5DS1	
C154		NOT USED			
C155	10EC/20089 (10EC/30486)	CAPACITOR: fixed, mica, 470 uuf, + 10%, char. A, 500 vdcw.	RF Line Bypass	CM20B471K (CM20B471J)	MIL-C-5A
C156	10EC/20089 (10EC/30486)	CAPACITOR: fixed, mica, 470 uuf, + 10%, char. A, 500 vdcw.	RF Line Bypass	CM20B471K (CM20B471J)	MIL-C-5A
C157 A & B	10EC/39365	CAPACITOR: fixed, ceramic, dual unit, .01 uf, ea. sect., 500 vdcw.	Filament Bypass	TMC CC-100-23 CDC TM5DS1	
C158 A & B	10EC/39365	CAPACITOR: fixed, ceramic, dual unit, .01 uf, ea. sect., 500 vdcw.	RF Bypass	TMC CC-100-23 CDC TM5DS1	
E100	10EC/39376	BOARD: terminal, general purpose barrier type, three 6-32 binding head machine screws.	Antenna Input Terminals	TMC TM-100-3 CIN 3-164-Y-D	
E101	10EC/39818	BOARD: terminal, general purpose barrier type, eight 6-32 binding head machine screws.	Diversity & Audio Terminals	TMC TM-100-8 CIN 8-164-Y-D	
E102	10EC/39818	BOARD: terminal, general purpose barrier type, eight 6-32 binding head machine screws.	Remote Control Terminals	TMC TM-100-8 CIN 8-164-Y-D	

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RECEIVING SET, RADIO AN/FRR-502			RECEIVER SUBASSEMBLY R-5007/FRR-502		
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
E103	10EC/39376	BOARD: terminal, general purpose barrier type, three 6-32 binding head machine screws.	AVC Terminals	TMC TM-100-3 CIN 3-164-Y-D	
F100	5CB/232	FUSE: cartridge, 2 amp.	Line Fuse	TMC FU-100-2 BUS AGC-2	
I100	5L/777	LAMP: incandescent, 6-8 v, .250 amp, T-3 $\frac{1}{4}$ clear bulb.	Pilot Light	TMC BI-101-44 GEC 44	
J100	10EC/32927	CONNECTOR: coaxial, female contact, BNC type receptacle, 52 ohms impedance, single hole mounting.	IF Input	UG-625/U	MIL-C-3608
J101	10EC/32927	CONNECTOR: coaxial, female contact, BNC type receptacle, 52 ohms impedance, single hole mounting.	HFO Input	UG-625/U	MIL-C-3608
J102	10EC/32927	CONNECTOR: coaxial, female contact, BNC type receptacle, 52 ohms impedance, single hole mounting.	HFO Output	UG-625/U	MIL-C-3608
J103	10EC/32927	CONNECTOR: coaxial, female contact, BNC type receptacle, 52 ohms impedance, single hole mounting.	BFO Input	UG-625/U	MIL-C-3608
J104	10EC/32927	CONNECTOR: coaxial, female contact, BNC type receptacle, 52 ohms impedance, single hole mounting.	BFO Output	UG-625/U	MIL-C-3608
J105	5CG/2447	CONNECTOR: female contact, polarized four contact bracket type.	Power Supply Jack	TMC JJ-120-2 CIN S-304-AB	
J106	10EC/4788	CONNECTOR: plug	Phone Jack	JJ-034	JAN-J-641
J107	10EC/39396	CONNECTOR: multiple contact, four coaxial female contacts, eight non-coaxial male contacts.	RF Connector	TMC JJ-104 CAN DPD-12C4-34P	

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RECEIVING SET, RADIO AN/FRR-502			RECEIVER SUBASSEMBLY R-5007/FRR-502		
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
J108	10EC/29335	CONNECTOR: plug	AC Input	TMC JJ-115 HUB 7466 (mod.)	
L100	10EC/38255	COIL: audio frequency, 15 henries, 85 ma dc, 270 ohms d-c res., 2500 v rms test.	Power Supply Filter	TMC TF5000 CTD RS1585	
L101	10EC/38255	COIL: audio frequency, 15 henries, 85 ma dc, 270 ohms d-c res., 2500 v rms test.	Power Supply Filter	TMC TF5000 CTD RS1585	
L102	10EC/39480	COIL: radio frequency, 2.5 mh, 50 ma with axial leads.	BFO Filter	TMC CL-101-3 NAT R-50-3	
L103	10EC/40564	COIL: radio frequency.	P/O Oscillator Tank	TMC A-164	
L104	10EC/39480	COIL: radio frequency, 2.5 mh, 50 ma with axial leads.	BFO Plate Load	TMC CL-101-3 NAT R-50-3	
R100	10EC/36621	RESISTOR: fixed, composition, 270,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	IF Grid Resistor	RC20GF274K	MIL-R-11A
R101	10EC/32816	RESISTOR: fixed, composition, 220 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF221K	MIL-R-11A
R102	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF104K	MIL-R-11A
R103	10EC/36638	RESISTOR: fixed, composition, 68,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF683K	MIL-R-11A
R104	10EC/32750	RESISTOR: fixed, composition, 2200 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Plate Decoupling	RC20GF222K	MIL-R-11A
R105	10EC/36124	RESISTOR: fixed, composition, 33,000 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	AVC Decoupling	RC20GF333J	MIL-R-11A

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RECEIVING SET, RADIO AN/FRR-502		RECEIVER SUBASSEMBLY R-5007/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
R106	10EC/32816	RESISTOR: fixed, composition, 220 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF221K	MIL-R-11A
R107	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF104K	MIL-R-11A
R108	10EC/36638	RESISTOR: fixed, composition, 68,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF683K	MIL-R-11A
R109	10EC/32750	RESISTOR: fixed, composition, 2200 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Plate Decoupling	RC20GF222K	MIL-R-11A
R110	10EC/32816	RESISTOR: fixed, composition, 220 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF221K	MIL-R-11A
R111	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF104K	MIL-R-11A
R112	10EC/36638	RESISTOR: fixed, composition, 68,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF683K	MIL-R-11A
R113	10EC/32750	RESISTOR: fixed, composition, 2200 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Plate Decoupling	RC20GF222K	MIL-R-11A
R114	10EC/32758	RESISTOR: fixed, composition, 6800 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	P/O AVC Delay	RC20GF682J	MIL-R-11A
R115	10EC/32877	RESISTOR: fixed, composition, 270,000 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	P/O AVC Delay	RC20GF274J	MIL-R-11A
R116	10EC/37228	RESISTOR: fixed, composition, 1.2 megohm, $\pm 10\%$, $\frac{1}{2}$ watt.	AVC Load	RC20GF125K	MIL-R-11A

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Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
R117	10EC/37228	RESISTOR: fixed, composition, 1.2 megohm, $\pm 10\%$, $\frac{1}{2}$ watt.	P/O AVC Time Constant	RC20GF125K	MIL-R-11A
R118	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	2nd Detector Load	RC20GF474K	MIL-R-11A
R119	10EC/32784	RESISTOR: fixed, composition, 47,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	P/O IF Filter	RC20GF473K	MIL-R-11A
R120	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Noise Limiter	RC20GF474K	MIL-R-11A
R121	10EC/37229	RESISTOR: variable, composition, 1 megohm, $\pm 20\%$, audio taper.	Audio Gain Control	RV4ATSD105D	JAN-R-94
R122	10EC/32815	RESISTOR: fixed, composition, 2700 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF272K	MIL-R-11A
R123		NOT USED			
R124	10EC/32991	RESISTOR: fixed, composition, 33,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Plate Load	RC20GF333K	MIL-R-11A
R125	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Grid Leak	RC20GF474K	MIL-R-11A
R126		RESISTOR: fixed, composition, 510 ohms, $\pm 10\%$, 1 watt.	Plate Filter	RC30GF511K	MIL-R-11A
R127	10EC/39323	RESISTOR: fixed, wire wound, 1500 ohms, $\pm 10\%$, 10 watts.	Filter	TMC RW-109-26 WLC 10F1500WL	
R128	10EC/36624	RESISTOR: fixed, composition, 3900 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Audio Level	RC20GF392J	MIL-R-11A
R129	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Reactance Tube Grid Filter	RC20GF474K	MIL-R-11A

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Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
R130	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Reactance Tube Grid Filter	RC20GF474K	MIL-R-11A
R131	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Reactance Tube Grid Filter	RC20GF474K	MIL-R-11A
R132	10EC/37230	RESISTOR: fixed, composition, 120,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Grid Leak	RC20GF124K	MIL-R-11A
R133	10EC/36614	RESISTOR: fixed, composition, 82,000 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Part of Reactance Tube Phase Circuit	RC20GF823J	MIL-R-11A
R134	10EC/36633	RESISTOR: fixed, composition, 180 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Degeneration	RC20GF181K	MIL-R-11A
R135	10EC/32843	RESISTOR: fixed, composition, 1000 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF102J	MIL-R-11A
R136	10EC/37231	RESISTOR: variable, composition, 2500 ohms $\pm 10\%$, 2 watts.	Reactance Tube Balance	RV4ATSA252A	JAN-R-94
R137	10EC/36124	RESISTOR: fixed, composition, 33,000 ohms $\pm 5\%$, $\frac{1}{2}$ watt.	Reactance Tube Grid Resistor	RC20GF333J	MIL-R-11A
R138	10EC/36592	RESISTOR: fixed, composition, 56,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Reactance Tube Plate Resistor	RC20GF563K	MIL-R-11A
R139	10EC/32784	RESISTOR: fixed, composition, 47,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Oscillator Grid Resistor	RC20GF473K	MIL-R-11A

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RECEIVING SET, RADIO AN/FRR-502		RECEIVER SUBASSEMBLY R-5007/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
R140	10EC/37232	RESISTOR: fixed, composition, 120 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF121K	MIL-R-11A
R141	10EC/37230	RESISTOR: fixed, composition, 120,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Oscillator Screen	RC20GF124K	MIL-R-11A
R142	10EC/35263	RESISTOR: fixed, composition, 3.3 megohms, $\pm 10\%$, $\frac{1}{2}$ watt.	AVC Decoupling	RC20GF335K	MIL-R-11A
R143		RESISTOR: variable, composition, 50,000 ohms, $\pm 20\%$, reverse log taper with SPST switch, $\frac{3}{8}$ -32 x $\frac{3}{8}$ bushing, $\frac{1}{4}$ in. dia shaft, $\frac{7}{8}$ in. from mounting surface.	RF Gain Control	RV4BTRD503E	JAN-R-94
R144	10EC/32758	RESISTOR: fixed, composition, 6800 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Voltage Divider	RC20GF682J	MIL-R-11A
R145	10EC/33053	RESISTOR: fixed, composition, 150,000 ohms $\pm 5\%$, $\frac{1}{2}$ watt.	Voltage Divider	RC20GF154J	MIL-R-11A
R146	10EC/32758	RESISTOR: fixed, composition, 6800 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Voltage Divider	RC20GF682J	MIL-R-11A
R147	10EC/33053	RESISTOR: fixed, composition, 150,000 ohms $\pm 5\%$, $\frac{1}{2}$ watt.	Voltage Divider	RC20GF154J	MIL-R-11A
R148	10EC/39821 (10EC/41036)	RESISTOR: fixed, wire wound, 5000 ohms, $\pm 10\%$, 20 watts.	Current Limiting	TMC RW-110-30 WLC 20F5000 (RW33V502)	
R149	10EC/39505	RESISTOR: fixed, wire wound, 600 ohms, $\pm 10\%$, 25 watts.	Negative Bias	TMC RW-102 WLC 25F600	
R150	10EC/37234	RESISTOR: fixed, composition, 22 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF220K	MIL-R-11A

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RECEIVING SET, RADIO AN/FRR-502		RECEIVER SUBASSEMBLY R-5007/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
S100	10EC/32458	SWITCH: toggle, SPST, 3 amp, 250 v.	Noise-Limiter ON-OFF Switch	ST12A	JAN-S-23
S101	10EC/28992	SWITCH: toggle, DPDT, 3 amp, 250 v (one pole unused).	AVC/Manual Switch	ST22N	JAN-S-23
S102		SWITCH: rotary, SPST, 3 amp, 250 v (part of R143).			
S103	10EC/39540	SWITCH: rotary, single section, mycalex insulation.	Slave Master Xtal Operation Switch	TMC SW-100 OAK 53340FLX	
S104	10EC/32458	SWITCH: toggle, SPST, 3 amp, 250 v.	BFO ON-OFF Switch	ST12A	JAN-S-23
T100	10EC/39539	COUPLER: transmission line, 300 ohms balanced to 75 ohms unbalanced, open construction, plastic molded case.	Antenna Matching Transformer	TMC A-165	
T101	10EC/40565	TRANSFORMER: i-f, 455 kc, plate coupling.	IF Transformer	TMC A-157	
T102	10EC/40565	TRANSFORMER: i-f, 455 kc, plate coupling.	IF Transformer	TMC A-157	
T103	10EC/40565	TRANSFORMER: i-f, 455 kc, plate coupling.	IF Transformer	TMC A-157	
T104	10EC/39543	TRANSFORMER: audio frequency, 5000 ohms primary, 600 ohms, 8 ohms secondary.	Output Transformer	TMC TF-100	
T105	10EC/40566	TRANSFORMER: power, step up, step down, input 110/220 volts, 50/60 cycles single phase, four output windings.	Power Transformer	TMC TF-101	

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RECEIVING SET, RADIO AN/FRR-502			RECEIVER SUBASSEMBLY R-5007/FRR-502		
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
V100	10EC/20489 (10EC/37057)	TUBE: electron, 6BA6, miniature 7 pin pentode.	1st IF	6BA6 (JAN 5749/6BA6W)	JCNAAF-T-1
V101	10EC/20489 (10EC/37057)	TUBE: electron, 6BA6, miniature 7 pin pentode.	2nd IF	6BA6 (JAN 5749/6BA6W)	JCNAAF-T-1
V102	10EC/20489 (10EC/37057)	TUBE: electron, 6BA6, miniature 7 pin pentode.	3rd IF	6BA6 (JAN 5749/6BA6W)	JCNAAF-T-1
V103	10EC/22058 (10EC/37819)	TUBE: electron, 6AL5, miniature 7 pin twin triode.	2nd Detector and AVC	6AL5 (JAN 5726/6AL5W)	JCNAAF-T-1
V104	10EC/37235	TUBE: electron, 6T8, miniature 9 pin triple diode.	Noise Limiter and 1st Audio	6T8	
V105	10EC/20488 (10EC/35027)	TUBE: electron, 6AQ5, miniature 7 pin beam power amplifier.	Audio Output	6AQ5 (JAN 6005/6AQ5W)	JCNAAF-T-1
V106	10EC/18874 (10EC/37236)	TUBE: electron, 6J6, miniature 7 pin uhf twin triode.	Balance Reactance Modulator	6J6 (JAN 6J6W)	JCNAAF-T-1
V107	10EC/18141 (10EC/21430)	TUBE: electron, 6AG5, miniature 7 pin pentode.	BFO Oscillator	6AG5 (JAN 6AG5)	JCNAAF-T-1
V108	10EC/31094 (10EC/21841)	TUBE: electron, 5Y3GT, duo-diode rectifier octal.	Rectifier	5Y3GT (JAN 5Y3WGT)	JCNAAF-T-1
V109	10EC/32226 (10EC/30134)	TUBE: electron, OA2, miniature 7 pin voltage regulator.	Voltage Regulator	OA2 (JAN OA2)	JCNAAF-T-1
W100	10EC/40567	CABLE ASSEMBLY: power, female twist-lock type, plug one end, non-polarized male plug opposite end.	AC Line Cord	TMC CA-103 COR 1628	
XF100	5CB/464	HOLDER: fuse, extractor post type, for single AGC fuse.		TMC FH-100-2 BUS HKP-M	

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RECEIVING SET, RADIO AN/FRR-502			RECEIVER SUBASSEMBLY R-5007/FRR-502		
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw.or Spec.
XI100	5L/1641	LIGHT: indicator, with red frosted lens, for miniature bayonet base lamp.	Pilot Light	TMC TS-106-1 DLC 87410-111	
XV100	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V100	TS102P01	JAN-S-28A
XV101	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V101	TS102P01	JAN-S-28A
XV102	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V102	TS102P01	JAN-S-28A
XV103	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V103	TS102P01	JAN-S-28A
XV104	10EC/29468	SOCKET: tube, 9 pin miniature.	Socket V104	TS103P01	JAN-S-28A
XV105	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V105	TS102P01	JAN-S-28A
XV106	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V106	TS102P01	JAN-S-28A
XV107	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V107	TS102P01	JAN-S-28A
XV108	10EC/28274	SOCKET: tube, octal.	Socket V108	TS101P01	JAN-S-28A
XV109	10EC/29469	SOCKET: tube, 7 pin miniature.	Socket V109	TS102P01	JAN-S-28A
XY100	10EC/38616	SOCKET: crystal, ceramic, .487 in. spacing for .050 in. pins.	Crystal Holder	TMC TS-104-1 EBY 8879	
Y100	10X/455/CR-25/U	CRYSTAL UNIT: quartz, 455 kc, .01%. (not supplied with receiver)	IF Alignment	CR-25/U	MIL-C-3098A

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