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LIST NO. ML-10014  
SHEET 1 OF 9 SHEETS

RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5011/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C600	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	AVC Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C601	10EC/40568	CAPACITOR: variable, air dielectric, four sect., 10-135 uuf, ea. sect., 500 vdcw.	Frequency Tuning	TMC CB-101 RCC 800284	
C602	10EC/34692	CAPACITOR: variable, ceramic, 3-12 uuf, 500 vdcw.	High Frequency Band Adjustment	CV11A120	JAN-C-81
C603	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C604	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C605	10EC/32097	CAPACITOR: fixed, ceramic, 100 uuf, $\pm 10\%$ , 500 vdcw.	Plate Tank	CC26UJ101J	JAN-C-20A
C606		NOT USED			
C607	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Plate Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C608	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	AVC Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C609	10EC/34692	CAPACITOR: variable, ceramic, 3-12 uuf, 500 vdcw.	High Frequency Band Adjustment	CV11A120	JAN-C-81

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5011/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C610	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C611	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	HF Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C612	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Plate Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C613	1OEC/34692	CAPACITOR: variable, ceramic, 3-12 uuf, 500 vdcw.	High Frequency Band Adjustment	CV11A120	JAN-C-81
C614	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Filament Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C615	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C616	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Filament Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C617	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$ , char. D, 500 vdcw.	P/O IF Tank	CM20D621G	MIL-C-5A
C618	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, $\pm 2\%$ , char. D, 500 vdcw.	P/O IF Tank	CM20D621G	MIL-C-5A
C619	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Plate Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26

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RECEIVING SET, RADIO AN/FRR-502			RADIO FREQUENCY TUNER TN-5011/FRR-502		
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C620	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Reactance Tube Grid Filter	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C621	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Reactance Tube Grid Filter	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C622	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Reactance Tube Grid Filter	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C623	1OEC/29223	CAPACITOR: variable, ceramic, 7-45 uuf, 500 vdcw.	Reactance Tube Bal- ance Control	CV11C450	JAN-C-81
C624	1OEC/28030	CAPACITOR: fixed, ceramic, 47 uuf, $\pm 10\%$ , 500 vdcw.	Reactance Tube Screen Bypass	CC21UJ470J	JAN-C-20A
C625	1OEC/28030	CAPACITOR: fixed, ceramic, 47 uuf, $\pm 10\%$ , 500 vdcw.	Reactance Tube Coupling	CC21UJ470J	JAN-C-20A
C626	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Plate Decoupling	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C627	1OEC/29449	CAPACITOR: variable, ceramic, 4-30 uuf, 500 vdcw.	Oscillator Trimmer	CV11C300	JAN-C-81
C628	1OEC/28030	CAPACITOR: fixed, ceramic, 47 uuf, $\pm 10\%$ , 500 vdcw.	Osc. Grid Coupling	CC21UJ470J	JAN-C-20A
C629	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5011/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C630	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C631	(10EC/37238)	CAPACITOR: fixed, ceramic, 120 uuf, $\pm 10\%$ , 500 vdcw.	RF Bypass	TMC CC-101-4 ERE GP2K121K (CCKO4X121K)	JCNAAF-C-26
C632	10EC/39845	CAPACITOR: variable, air dielectric, 3.2-50 uuf, 500 vdcw.	Crystal Tuning	TMC CT-104-1 HAM MAPC50B	
C633	10EC/35709	CAPACITOR: fixed, ceramic, 10 uuf, $\pm .5$ uuf, 500 vdcw.	HFO Output	CC21SH100D	JAN-C-20A
C634	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	Osc. Plate Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C635	10EC/35689	CAPACITOR: fixed, ceramic, 1.5 uuf, $\pm .25$ uuf, 500 vdcw.	Oscillator Injection	CC21SK1R5C	JAN-C-20A
C636	10EC/37246	CAPACITOR: fixed, mica, 1500 uuf, $\pm 2\%$ , char. E, 500 vdcw.	Oscillator Padder	CM30E152G	MIL-C-5A
C637	10EC/32097	CAPACITOR: fixed, ceramic, 100 uuf, $\pm 10\%$ , 500 vdcw.	Plate Tank	CC26UJ101J	JAN-C-20A
C638	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, $\pm 20\%$ , 500 vdcw, disc type.	RF Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
I600	5L/777	LAMP: incandescent, 6-8 v, 250 ma dc, bayonet base.	Pilot Light	TMC BI-101-44 GEC 44	
L601		NOT USED			

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Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
L602	10EC/39851	COIL ASSEMBLY: radio frequency, 3 sect.; sect. #1: L of 7.7 uh, Q of 78 at 7.9 mc sect. #2: L of 1.7 uh, Q of 44 at 7.9 mc sect. #3: L of 4.2 uh, Q of 57 at 7.9 mc	Oscillator Tank	TMC A-297	
P600	10EC/39541	CONNECTOR: receptacle, 4 coaxial contacts, and 8 non-coaxial contacts.	RF Head Connector	TMC PL-109 CAN DPD-12C4-33S	
R600	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$ , $\frac{1}{2}$ watt.	AVC Filter	RC20GF104K	MIL-R-11A
R601	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF100K	MIL-R-11A
R602	10EC/32816	RESISTOR: fixed, composition, 220 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Cathode Bias	RC20GF221K	MIL-R-11A
R603	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Screen Parasitic Suppressor	RC20GF100K	MIL-R-11A
R604	10EC/33056	RESISTOR: fixed, composition, 220,000 ohms $\pm 10\%$ , $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF224K	MIL-R-11A
R605	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$ , $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF104K	MIL-R-11A
R606	10EC/36630	RESISTOR: fixed, composition, 27,000 ohms, $\pm 10\%$ , 2 watts.	Plate Decoupling	RC42GF273K	MIL-R-11A
R607	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$ , $\frac{1}{2}$ watt.	AVC Filter	RC20GF104K	MIL-R-11A

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Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec
R608	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF100K	MIL-R-11A
R609	10EC/32816	RESISTOR: fixed, composition, 220 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Cathode Bias	RC20GF221K	MIL-R-11A
R610	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Screen Parasitic Suppressor	RC20GF100K	MIL-R-11A
R611	10EC/33056	RESISTOR: fixed, composition, 220,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF224K	MIL-R-11A
R612	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF104K	MIL-R-11A
R613	10EC/36630	RESISTOR: fixed, composition, 27,000 ohms, $\pm 10\%$ , 2 watts.	Plate Decoupling	RC42GF273K	MIL-R-11A
R614	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF100K	MIL-R-11A
R615	10EC/32845	RESISTOR: fixed, composition, 820 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Mixer Cathode Bias	RC20GF821K	MIL-R-11A
R616	10EC/35244	RESISTOR: fixed, composition, 47,000 ohms, $\pm 10\%$ , 1 watt.	Plate Decoupling	RC30GF473K	MIL-R-11A
R617	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Reactance Tube Grid Resistor	RC20GF474K	MIL-R-11A
R618	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	P/O Reactance Tube Grid Filter	RC20GF474K	MIL-R-11A

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5011/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
R619	1OEC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$ , $\frac{1}{2}$ watt.	P/O Reactance Tube Grid Filter	RC20GF474K	MIL-R-11A
R620	1OEC/36126	RESISTOR: fixed, composition, 2200 ohms, $\pm 5\%$ , $\frac{1}{2}$ watt.	Reactance Tube Cathode Bias	RC20GF222J	MIL-R-11A
R621	1OEC/32784	RESISTOR: fixed, composition, 47,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Reactance Tube Screen Resistor	RC20GF473K	MIL-R-11A
R622		NOT USED			
R623	1OEC/37234	RESISTOR: fixed, composition, 22 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF220K	MIL-R-11A
R624	1OEC/32780	RESISTOR: fixed, composition, 22,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Osc. Grid Resistor	RC20GF223K	MIL-R-11A
R625	1OEC/37232	RESISTOR: fixed, composition, 120 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Osc. Cathode Bias	RC20GF121K	MIL-R-11A
R626	1OEC/37241	RESISTOR: fixed, composition, 39,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Osc. Screen Resistor	RC20GF393K	MIL-R-11A
R627	1OEC/37241	RESISTOR: fixed, composition, 39,000 ohms, $\pm 10\%$ , $\frac{1}{2}$ watt.	Osc. Plate Resistor	RC20GF393K	MIL-R-11A
R628	1OEC/36126	RESISTOR: fixed, composition, 2200 ohms, $\pm 5\%$ , $\frac{1}{2}$ watt.	Reactance Tube Plate Load	RC20GF222J	MIL-R-11A
S600	1OEC/39540	SWITCH: rotary, non-shorting, mycalex insulation, two pole, 3 position.	Slave, Master Xtal Operational Switch	TMC SW-100 OAK 53340FLX	

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5011/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw, or Spec.
T600	1OEC/39852	TRANSFORMER: r-f, 4-8 mc, pri, L of 3.2 uh Q of 75 at 7.9 mc; secy, L of 10.5 uh, Q of 58 at 7.9 mc	Antenna Transformer	TMC A-298	
T601	1OEC/39861	TRANSFORMER: r-f, 4-8 mc, pri, L of 50 uh, Q of 40 at 2.5 mc; secy, L of 10.5 uh, Q of 58 at 7.9 mc	Interstage RF Trans- former	TMC A-296	
T602	1OEC/39862	TRANSFORMER: r-f, 4-8 mc, pri, L of 50 uh, Q of 40 at 2.5 mc; secy, L of 10.5 uh, Q of 58 at 7.9 mc	Mixer Transformer	TMC A-299	
T603	1OEC/40565	TRANSFORMER: i-f, 455 kc, plate coupling.	IF Transformer	TMC A-157	
V600	1OEC/18141 (1OEC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	1st RF	6AG5 (JAN 6AG5)	JCNAAF-T-1
V601	1OEC/18141 (1OEC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	2nd RF	6AG5 (JAN 6AG5)	JCNAAF-T-1
V602	1OEC/27511 (1OEC/35258)	TUBE: electron, 6AU6, miniature 7 pin.	Mixer	6AU6 (JAN 6AU6WA)	JCNAAF-T-1
V603	1OEC/18141 (1OEC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	Reactance Tube	6AG5 (JAN 6AG5)	JCNAAF-T-1
V604	1OEC/18141 (1OEC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	HF Oscillator	6AG5 (JAN 6AG5)	JCNAAF-T-1
XI600	5L/1642	SOCKET: miniature bayonet base, T-3 $\frac{1}{4}$ bulb, right angle, down turned, short, hole size 5/32 in., 1-3/8 in. lg x 7/16 in. wd OA.	Lamp Socket	TMC TS-109 DLC 708	
XV600	1OEC/29469	SOCKET: tube, 7 pin miniature.	V600 Socket	TS102P01	JAN-S-28A
XV601	1OEC/29469	SOCKET: tube, 7 pin miniature.	V601 Socket	TS102P01	JAN-S-28A

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5011/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw.or Spec.
XV602	10EC/29469	SOCKET: tube, 7 pin miniature.	V602 Socket	TS102P01	JAN-S-28A
XV603	10EC/29469	SOCKET: tube, 7 pin miniature.	V603 Socket	TS102P01	JAN-S-28A
XV604	10EC/29469	SOCKET: tube, 7 pin miniature.	V604 Socket	TS102P01	JAN-S-28A
XY600	10EC/38616	SOCKET: crystal, ceramic, .487 in. spacing for .050 in. pins.	Xtal Socket	TMC TS-104-1 EBY 8879	
Y600	10X/* /CR-18/U  * (Reference number dictated by frequency required.)	CRYSTAL UNIT: quartz (frequency as required) (not supplied with r-f tuner)	HFO Control	CR-18/U	MIL-C-3098A

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