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LIST NO. ML-10015
SHEET 1 OF 8 SHEETS

RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5012/FRR-502			
Ref. Symbol	RCAP Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw.or Spec.
C700	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	AVC Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C701	10EC/40568	CAPACITOR: variable, air dielectric, four sect., 10-135 uuf ea. sect., 500 vdcw.	Frequency Tuning	TMC CB-101 RCC 800284	
C702	10EC/29449	CAPACITOR: variable, ceramic, 4-30 uuf, 500 vdcw.	High Fre- quency Band Adjustment	CV11C300	JAN-C-81
C703	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C704	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C705	10EC/37250	CAPACITOR: fixed, ceramic, 22 uf, ± 5%, 500 vdcw.	Plate Tank	CC21SH220J	JAN-C-20A
C706		NOT USED			
C707	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Plate Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C708	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	AVC Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C709	10EC/29449	CAPACITOR: variable, ceramic, 4-30 uuf, 500 vdcw.	High Fre- quency Band Adjustment	CV11C300	JAN-C-81

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5012/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw or Spec.
C710	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C711	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C712	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Plate Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C713	1OEC/29449	CAPACITOR: variable, ceramic, 4-30 uuf, 500 vdcw.	High Frequency Band Adjustment	CV11C300	JAN-C-81
C714	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Filament Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C715	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C716	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Filament Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C717	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, ± 2%, char. D, 500 vdcw.	P/O IF Tank	CM20D621G	MIL-C-5A
C718	1OEC/37187	CAPACITOR: fixed, mica, 620 uuf, ± 2%, char. D, 500 vdcw.	P/O IF Tank	CM20D621G	MIL-C-5A
C719	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 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-5012/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
C720	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Reactance Tube Grid Filter	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C721	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Reactance Tube Grid Filter	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C722	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Reactance Tube Grid Filter	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C723	1OEC/34692	CAPACITOR: variable, ceramic, 3-12 uuf, 500 vdcw.	Reactance Tube Bal- ance Control	CV11A120	JAN-C-81
C724	1OEC/28030	CAPACITOR: fixed, ceramic, 47 uuf, ± 5%, 500 vdcw.	Screen Bypass	CC21UJ470J	JAN-C-20A
C725	1OEC/28030	CAPACITOR: fixed, ceramic, 47 uuf, ± 5%, 500 vdcw.	Reactance Tube Coupling	CC21UJ470J	JAN-C-20A
C726	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Plate Decoupling	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26
C727	1OEC/29449	CAPACITOR: variable, ceramic, 4-30 uuf, 500 vdcw.	Oscillator Trimmer	CV11C300	JAN-C-81
C728	1OEC/28030	CAPACITOR: fixed, ceramic, 47 uuf, ± 5%, 500 vdcw.	Osc. Grid Coupling	CC21UJ470J	JAN-C-20A
C729	1OEC/39956 (1OEC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Cathode Bypass	TMC CC-100-16 CDC TM5S1 (CCKO5W103Z)	JCNAAF-C-26

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5012/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw or Spec.
C730	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Screen Bypass	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C731	10EC/37238	CAPACITOR: fixed, ceramic, 120 uuf, ± 10%, 500 vdcw.	HFO Output	TMC CC-101-4 ERE GP2K121K (CCK04X121K)	JCNAAF-C-26
C732	10EC/39845	CAPACITOR: variable, air dielectric, 3.2-50 uuf, 500 vdcw.	Crystal Tuning	TMC CT-104-1 HAM MAPC50B	
C733	10EC/35709	CAPACITOR: fixed, ceramic, 10 uuf, ± .5 uuf, 500 vdcw.	HFO Output	CC21SH100D	JAN-C-20A
C734	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	Osc. Plate Bypass	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
C735	10EC/37251	CAPACITOR: fixed, ceramic, 1 uuf, ± .25 uuf, 500 vdcw.	Oscillator Injection	CC21SL010C	JAN-C-20A
C736	10EC/37253	CAPACITOR: fixed, mica, 2200 uuf, ± 2%, char. E, 500 vdcw.	Oscillator Padder	CM30E222G	MIL-C-5A
C737	10EC/37250	CAPACITOR: fixed, ceramic, 22 uf, ± 5%, 500 vdcw.	Plate Tank	CC21SH220J	JAN-C-20A
C738	10EC/39956 (10EC/36578)	CAPACITOR: fixed, ceramic, .01 uf, (GMC), ± 20%, 500 vdcw, disc type.	RF Bypass	TMC CC-100-16 CDC TM5S1 (CCK05W103Z)	JCNAAF-C-26
I700	5L/777	LAMP: incandescent, 6-8 v, 250 ma dc, bayonet base.	Pilot Light	GEC 44	TMC BI-101-44
L702	10EC/39863	COIL: r-f, 3 sect: sect. #1: L of .352 uh, Q of 86 at 25 mc; sect. #2: L of 1.14 uh, Q of 114 at 25 mc; sect. #3: L of 2.1 uh, Q of 114 at 7.9 mc.	Oscillator Tank	TMC A-305	

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5012/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw or Spec.
P700	10EC/39541	CONNECTOR: receptacle, 4 coaxial and 8 non-coaxial contacts.	RF Head Connector	TMC PL-109 CAN DPD-12C4-33S	
R700	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	AVC Filter	RC20GF104K	MIL-R-11A
R701	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF100K	MIL-R-11A
R702	10EC/32816	RESISTOR: fixed, composition, 220 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF221K	MIL-R-11A
R703	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Screen Parasitic Suppressor	RC20GF100K	MIL-R-11A
R704	10EC/33056	RESISTOR: fixed, composition, 220,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF224K	MIL-R-11A
R705	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF104K	MIL-R-11A
R706	10EC/36630	RESISTOR: fixed, composition, 27,000 ohms, $\pm 10\%$, 2 watts.	Plate Decoupling	RC42GF273K	MIL-R-11A
R707	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	AVC Filter	RC20GF104K	MIL-R-11A
R708	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF100K	MIL-R-11A
R709	10EC/32816	RESISTOR: fixed, composition, 220 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Cathode Bias	RC20GF221K	MIL-R-11A
R710	10EC/35233	RESISTOR: fixed, composition, 10 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Screen Parasitic Suppressor	RC20GF100K	MIL-R-11A

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5012/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
R711	10EC/33056	RESISTOR: fixed, composition, 220,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF224K	MIL-R-11A
R712	10EC/32734	RESISTOR: fixed, composition, 100,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Screen Voltage Divider	RC20GF104K	MIL-R-11A
R713	10EC/36630	RESISTOR: fixed, composition, 27,000 ohms, $\pm 10\%$, 2 watts.	Plate Decoupling	RC42GF273K	MIL-R-11A
R714		NOT USED			
R715	10EC/32845	RESISTOR: fixed, composition, 820 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Mixer Cathode Bias	RC20GF821K	MIL-R-11A
R716	10EC/35244	RESISTOR: fixed, composition, 47,000 ohms, $\pm 10\%$, 1 watt.	Plate Decoupling	RC30GF473K	MIL-R-11A
R717	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Reactance Tube Grid Resistor	RC20GF474K	MIL-R-11A
R718	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	Reactance Tube Grid Filter	RC20GF474K	MIL-R-11A
R719	10EC/32787	RESISTOR: fixed, composition, 470,000 ohms $\pm 10\%$, $\frac{1}{2}$ watt.	P/O Reactance Tube Grid Filter	RC20GF474K	MIL-R-11A
R720	10EC/36120	RESISTOR: fixed, composition, 3300 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Reactance Tube Cathode Bias	RC20GF332J	MIL-R-11A
R721	10EC/32784	RESISTOR: fixed, composition, 47,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Reactance Tube Screen Resistor	RC20GF473K	MIL-R-11A

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RECEIVING SET, RADIO AN/FRR-502		RADIO FREQUENCY TUNER TN-5012/FRR-502			
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
R722	10EC/32758	RESISTOR: fixed, composition, 6800 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Reactance Tube Plate Load	RC20GF682J	MIL-R-11A
R723	10EC/37234	RESISTOR: fixed, composition, 22 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Parasitic Suppressor	RC20GF220K	MIL-R-11A
R724	10EC/32780	RESISTOR: fixed, composition, 22,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Oscillator Grid Leak	RC20GF223K	MIL-R-11A
R725	10EC/37232	RESISTOR: fixed, composition, 120 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Osc. Cathode Bias	RC20GF121K	MIL-R-11A
R726	10EC/37241	RESISTOR: fixed, composition, 39,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Osc. Screen Resistor	RC20GF393K	MIL-R-11A
R727	10EC/37241	RESISTOR: fixed, composition, 39,000 ohms, $\pm 10\%$, $\frac{1}{2}$ watt.	Osc. Plate Resistor	RC20GF393K	MIL-R-11A
R728	10EC/32838	RESISTOR: fixed, composition, 130 ohms, $\pm 5\%$, $\frac{1}{2}$ watt.	Mixer Cathode Resistor	RC20GF131J	MIL-R-11A
S700	10EC/39540	SWITCH: rotary, non-shorting, mycalex insulation, 2 pole, 3 position.	Slave, Master Xtal Operational Switch	TMC SW-100 OAK 53340FLX	
T700	10EC/39864	TRANSFORMER: r-f, 8-16 mc, pri. .53 uh, secdy. 2.1 uh.	Antenna Transformer	TMC A-306	
T701	10EC/39865	TRANSFORMER: r-f, 8-16 mc, pri. 52.5 uh, secdy. 2.4 uh.	Interstage RF Transformer	TMC A-304	
T702	10EC/39866	TRANSFORMER: r-f, 8-16 mc, pri. 52.5 uh, secdy. 2.4 uh.	Mixer Transformer	TMC A-307	
T703	10EC/40565	TRANSFORMER: i-f, 455 kc, plate coupling.	IF Transformer	TMC A-157	

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RECEIVING SET, RADIO AN/FRR-502			RADIO FREQUENCY TUNER TN-5012/FRR-502		
Ref. Symbol	RCAF Reference Number	Name and Description	Function	Manufacturer, Designation	Contractor or Government Draw. or Spec.
V700	10EC/18141 (10EC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	1st RF	6AG5 (JAN 6AG5)	JCNAAF-T-1
V701	10EC/18141 (10EC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	2nd RF	6AG5 (JAN 6AG5)	JCNAAF-T-1
V702	10EC/27511 (10EC/35258)	TUBE: electron, 6AU6, miniature 7 pin.	Mixer	6AU6 (JAN 6AU6WA)	JCNAAF-T-1
V703	10EC/18141 (10EC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	Reactance Tube	6AG5 (JAN 6AG5)	JCNAAF-T-1
V704	10EC/18141 (10EC/21430)	TUBE: electron, 6AG5, miniature 7 pin.	HF Oscillator	6AG5 (JAN 6AG5)	JCNAAF-T-1
XI700	5L/1642	SOCKET: miniature bayonet base, T-3 $\frac{1}{2}$ 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	
XV700	10EC/29469	SOCKET: tube, 7 pin miniature.	V700 Socket	TS102P01	JAN-S-28A
XV701	10EC/29469	SOCKET: tube, 7 pin miniature.	V701 Socket	TS102P01	JAN-S-28A
XV702	10EC/29469	SOCKET: tube, 7 pin miniature.	V702 Socket	TS102P01	JAN-S-28A
XV703	10EC/29469	SOCKET: tube, 7 pin miniature.	V703 Socket	TS102P01	JAN-S-28A
XV704	10EC/29469	SOCKET: tube, 7 pin miniature.	V704 Socket	TS102P01	JAN-S-28A
XY700	10EC/38616	SOCKET: crystal, ceramic, .487 in. spacing for .050 in. pins.	Xtal Socket	TMC TS-104-1 EBY 8879	
Y700	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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