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**WORKING
INSTRUCTIONS**

**WIRELESS SET (CANADIAN)
No. 19 Mark III**

Published by:

The Director

*Communications and Electrical Design
MGO Branch*

*Department of National Defence
Ottawa, Canada.*

Approved by:

*The Chief of the General Staff,
Department of National Defence,
Ottawa, Canada.*

(Ref. No. RCA 113923-1)

For installation instructions refer to installation prints
and other details in envelope packed with Installation Kits.

5. The British Set has a new meter transformer circuit in the variometer, while the Canadian Set uses the same as on the Mk. II.

6. The British Set includes a resistance-capacitance network as tone-filter on CW, which is not used on the Canadian Set.

7. The Canadian Supply Unit is entirely different from the British* version and uses an entirely different dynamotor. Hardly any parts of the Supply Unit are interchangeable but the Supply Units as a whole are fully, mutually, interchangeable.

These are the main differences between the British and Canadian versions but it must be pointed out that the arrangements of components and parts on the chassis, differ quite considerably, and that maintenance spares for the Canadian Set cannot be used without careful consideration in the British model and vice versa.

TABLE XII
COMPONENT PARTS LIST
WIRELESS SETS (CANADIAN) NO. 19 MK. III
RESISTORS

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
R1A	SCREEN V1E	PC70722C	470000	20%	1/4 W	S/RB
B	LOAD V3A	PC70722C	470000	20%	1/4 W	S/RA
C	LOAD V6A	PC70722C	470000	20%	1/4 W	S/RA
D	FILTER V6A	PC70722C	470000	20%	1/4 W	S/RA
E	GRID V5A	PC70722C	470000	20%	1/4 W	S/RA
F	SCREEN V1F	PC70722C	470000	20%	1/4 W	S/R1/C
R2A	CATH V1A	PC70732C	220	10%	1/2 W	S/RA
B	CATH V2B	PC70732C	220	10%	1/2 W	S/RA
C	SEC T5A	PC70732C	220	10%	1/2 W	S/RB
D	PRI T4B	PC70732C	220	10%	1/2 W	S/R 1/C
E	SEC T6A	PC70732C	220	10%	1/2 W	S/R 1/C
F	H F OSC. V2A	PC70732C	220	10%	1/2 W	S/RA
R3A	CATH V2A	PC70730C	270	10%	1/2 W	S/RA
B	CATH V1C	PC70730C	270	10%	1/2 W	S/RA
R4A	SCREEN V2A	PC70721C	22000	10%	1 W	S/RA
D	SCREEN V2B	PC70721C	22000	10%	1 W	S/RA
R5A	P.FILT. V1A	PC70726C	2200	10%	1/4 W	S/RA
B	P.FILT. V2A	PC70726C	2200	10%	1/4 W	S/RA
C	P.FILT. V1C	PC70726C	2200	10%	1/4 W	S/RA

TABLE XII (Cont'd)

RESISTORS (Cont'd)

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
R5D	P.FILT. V5A	PC70726C	2200	10%	1/4 W	S/RA
E	P.FILT. V2B	PC70726C	2200	10%	1/4 W	S/RA
R6B	GRID V2A	PC70729C	47000	10%	1/4 W	S/RA
D	GRID V2B	PC70729C	47000	10%	1/4 W	S/RA
F	CATH V3A	PC70729C	47000	10%	1/4 W	S/RA
G	GRID V1D	PC70729C	47000	10%	1/4 W	S/RB
H	FILT. V7A-V1E	PC70729C	47000	10%	1/4 W	S/RB
* R7A	DAMP RES. 1ST I.F.	PC70743C	100000	10%	1/4 W	S/RA
* B	DAMP RES. 2ND I.F.	PC70743C	100000	10%	1/4 W	S/RA
C	FILT. 3RD I.F.	PC70743C	100000	10%	1/4 W	S/RA
D	GRID V4A	PC70743C	100000	10%	1/4 W	S/RA
G	GRID V4A	PC70743C	100000	10%	1/4 W	S/RA
H	SEC. T4A	PC70743C	100000	10%	1/4 W	S/RA
J	PLATE V1E	PC70743C	100000	10%	1/2 W	S/RB
K	PLATE V1F	PC70743C	100000	10%	1/2 W	S/R 1/C
L	DIVIDER V2A	PC70743C	100000	20%	1/4 W	S/RA
IJ	SCREEN V1A	PC70743C	100000	20%	1/4 W	S/RA
R8A	AVC LOAD V3A	PC70723C	1 MEG.	20%	1/4 W	S/RA
B	AVC FILT. V3A	PC70723C	1 MEG.	20%	1/4 W	S/RA
D	GRID V8A	PC70723C	1 MEG.	20%	1/4 W	S/RA
F	GRID V8B	PC70723C	1 MEG.	20%	1/4 W	S/RB

* - NOT USED ON RCA TYPE U.F. COILS

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TABLE XII (Cont'd)

RESISTORS (Cont'd)

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
R9A	CATH V1B	PC72988C	1000	10%	1/4 W	S/RA
B	CATH V1E	PC72988C	1000	10%	1/4 W	S/RB
C	CATH V1F	PC72988C	1000	10%	1/4 W	S/R 1/C
D	CATH V8A	PC72988C	1000	10%	1/2 W	S/RB
E	CATH V3A	PC72988C	1000	10%	1/4 W	S/RA
R10A	DAMP RES. (VARIOMETER)	PC70735C	470	10%	1/2 W	VARA
C	METER SHUNT	PC70735C	470	10%	1/2 W	S/RA
R11A	CATH V3A	PC70713C	3300	10%	1/2 W	S/RA
B	PLATE V1D	PC70713C	3300	10%	1/4 W	S/RB
R12A	SCREEN V3A	PC70717C	68000	10%	1/2 W	S/RA
R13A	VOL. CONT. (A)	PC81256C	1 MEG.	VAR.		S/RA
R14A	HET. CONT.	PC81258C	6.0	VAR.		S/RA
R15B	DIVIDER V6A	PC70744C	220000	20%	1/4 W	S/RA
R16A	RES. IN L5A	PC89038C	1/2	5%	1/2 W	S/RA
R17A	SCREEN V5A	PC70734C	3900	10%	1/4 W	S/RA
R18A	CATH V6A TO S7	PC70727C	270000	10%	1/2 W	S/RA
B	CATH V4A TO 1-HT-1	PC70727C	270000	10%	1/2 W	S/RA
C	GRID V7A	PC70727C	270000	10%	1/4 W	S/RA

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TABLE XII (Cont'd)

RESISTORS (Cont'd)

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
R19A B	CATH V4A SCREEN V1C	PC70728C PC70728C	82000 82000	10% 10%	1/4 W 1/2 W	S/RA S/RB
R20A B	SCREEN V4A CATH V5A	PC72657C PC72657C	100 100	10% 10%	1/2 W 1/2 W	S/RA S/RA
R21A B C	FILT. V3A FEEDBACK I/C METER RES.	PC70724C PC70724C PC70724C	27000 27000 27000	10% 10% 10%	1/4 W 1/4 W 1/4 W	S/RA S/R I/C S/RA
R22A	PLATE V4A	PC70733C	47	10%	1/2 W	S/RA
R23B C D E	SER.GRID V1E PL. FILT. V1E SER.GRID V1F PL. FILT. V1F	PC70725C PC70725C PC70725C PC70725C	22000 22000 22000 22000	10% 10% 10% 10%	1/4 W 1/4 W 1/4 W 1/4 W	S/RB S/RB S/R I/C S/R I/C
R24A	METER SER. RES.	PC71901C	1.2 MEG.	5%	1/2 W	S/RA
R25A	METER SER. RES.	PC90459C	1.2 MEG.	5%	1 W	S/RA
R26A	METER SER. RES.	PC72389C	29000	2%	1/4 W	S/RA
R28A	DAMP. RES. IN VARIOMETER	PC70740C	27	10%	1/2 W	VAR. (A)
R29A	CONTROL IN VARIOMETER	PC81264C	20000	—	—	VAR. (A)

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TABLE XII (Cont'd)

RESISTORS (Cont'd)

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
R30A	FIL. V6A	PC90461C	30	5%	2 W	S/RA
R31A	PLATE V1D	PC70741C	2200	10%	1/2 W	S/RB
R32A	GRID V7A	PC72658C	15000	10%	1/4 W	S/RB
R33A	PLATE V1D	PC90474C	27000	10%	1/2 W	S/RB
R33-1A	PLATE V1D	K5974-57B	47000	10%	1/2 W	S/RB
R34A B C	SCREEN V1D OSC. PLATE V2A OSC. PLATE V2B	PC70742C PC70742C PC70742C	47000 47000 47000	10% 10% 10%	1 W 1 W 1 W	S/RB S/RA S/RA
R35A	VOL. CONT. "B"	PC81257C	100000	—	—	S/RB
R36A	FEEDBACK "B"	PC70736C	39000	10%	1/4 W	S/RB
R37A	CATH V8A	PC70731C	390	10%	1 W	S/RB
R38A	FIL. V7A	PC89034C	56	5%	1 W	S/RB
R39A B	CATH V8B MASTER OSC. GRID	PC70714C PC70714C	820 820	10% 10%	1 W 1/4 W	S/R I/C S/RA
R40A	LAMP RES. P/S	PC90460C	20	10%	1/2 W	P/S

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RESISTORS (Cont'd)

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CAPACITORS

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TABLE XII (Cont'd)
CAPACITORS (Cont'd)

CIRCUIT REF.	LOCATION	PC OR RCA NO.	TYPE	VALUE	TOLERANCE	RATING	USED ON
C5A	GRID	PC66110C	MICA	.01MF	10%	600V	S/RA
B	BLOCK GRID V5A	PC66110C	MICA	.01MF	10%	600V	S/RA
C	BLOCK GRID V2B	PC66110C	MICA	.01MF	10%	600V	S/RA
C6A	PAR PAD M OSC. V2A	PC66123C	COMPENSATOR	50 MMF	5%	1300V	S/RA
C7A	GRID COUPLING V2A (TRIODE)	PC66717C	CER(MICA)	30 MMF	20%	1000V	S/RA
B	GRID COUPLING V2B (TRIODE)	PC66717C	CER(MICA)	30 MMF	20%	1000V	S/RA
C8A	OSC.PAD(HF) V2A	PC66267C	MICA	3100 MMF	5%	600V	S/RA
C9A	GRID TUNING V2A (PENTODE)	PC80180C	4 GANG VARIABLE AIR COND.	530 MMF MAX.	VAR.		S/RA
B	OSC. TUNING PLATE V2A (TRIODE)						S/RA
C	PLATE TUNING V5A						S/RA
D	GRID TUNING V5A						S/RA
C10A	R.F.TRIMMER (HF) GRID V2A	PC80174C	R15196-1	4-30 MMF. VAR.CER.	VAR.		S/RA
B	DRIVE TRIMMER (HF) P1-V5A	PC80168C	R15196-1	4-30 MMF. VAR.CER.	VAR.		S/RA
C	SENDER R.F.TRIMMER (HF) GRID V5A	PC80168C	R15196-1	4-30 MMF. VAR.CER.	VAR.		S/RA
D	R.F.TRIMMER(LF) GRID V2A	PC80177C-191	R15196-1	4-30 MMF. VAR.CER.	VAR.		S/RA
E	SENDER R.F.TRIMMER(LF) GRID V5A	PC80177C	R15196-1	4-30 MMF. VAR.CER.	VAR.		S/RA
F	DRIVE TRIMMER(LF) P1-V5A	PC80177C	R15196-1	4-30 MMF. VAR.CER.	VAR.		S/RA
C-10-1A	RF PAD (H.F.) GRID V2A	PC80174C-191	MICA	10 MMF	20%	1000V	S/RA
C11A	OSC.PAD (LF) PLATE V2A	NE80128C	APC140	6.5-140 MMF (VAR. AIR)	VAR		S/RA
C12A	OSC.PAD (LF) V2A	PC66133C	MICA	1780 MMF	3%	1000V	S/RA

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TABLE XII (Cont'd)
CAPACITORS (Cont'd)

CIRCUIT REF.	LOCATION	PC OR RCA NO.	TYPE	VALUE	TOLERANCE	RATING	USED ON
C13A	PRI. L8A (1ST I.F.)	PC66060C	COMP.CER.	140 MMF	2%	350V	S/RA
B	SEC. L8A (1ST I.F.)	PC66060C	COMP.CER.	140 MMF	2%	350V	S/RA
C	PRI. L8B (2ND I.F.)	PC66060C	COMP.CER.	140 MMF	2%	350V	S/RA
D	SEC. L8B (2ND I.F.)	PC66060C	COMP.CER.	140 MMF	2%	350V	S/RA
E	PRI. L9A (3RD I.F.)	PC66060C	COMP.CER.	140 MMF	2%	350V	S/RA
F	SEC. L9A (3RD I.F.)	PC66060C	COMP.CER.	140 MMF	2%	350V	S/RA
C14A	RF FILTER AUDIO DIODE V3A	PC66096C	MICA	100 MMF	20%	1000V	S/RA
B	HF CUT OFF GRID V1F	PC66096C	MICA	100 MMF	20%	1000V	S/R 1/C
C15A	RF FILTER AUDIO DIODE V3A	PC66095C	MICA	500 MMF	20%	1000V	S/RA
B	RF FILTER BIAS RECT. V6A	PC66095C	MICA	500 MMF	20%	1000V	S/RA
C	CATH BY PASS V4A	PC66095C	MICA	500 MMF	20%	1000V	S/RA
D	RF FILT. BIAS FROM V6A	PC66095C	MICA	500 MMF	20%	1000V	S/RA
E	VOLTAGE DIV. R/T MOD. V3A	PC66095C	MICA	500 MMF	20%	1000V	S/RA
F	SCREEN BY PASS V4A	PC66095C	MICA	500 MMF	20%	1000V	S/RA
G	PLATE GRID QUENCH OSC. V1D	PC66095C	MICA	500 MMF	20%	1000V	S/RA
H	HT FILTER V1D	PC66095C	MICA	500 MMF	20%	1000V	S/RB
J	PLATE V1E	PC66095C	MICA	500 MMF	20%	1000V	S/RB
K	HEATER CCT. BYPASS V7A	PC66095C	MICA	500 MMF	20%	1000V	S/RB
L	HEATER CCT. BYPASS V7A	PC66095C	MICA	500 MMF	20%	1000V	S/RB
M	RF FILTER "DRIVE" METER SHUNT	PC66095C	MICA	500 MMF	20%	1000V	S/RB
C16A	CATH.BY PASS V3A	PC67136C	{ PLAIN PLATE }	12 MF	-0% +100%	50V	S/RA
B	CATH.BY PASS V8A	PC67136C	{ ELECTROLYTIC }	12 MF	-0% +100%	50V	S/RB
C17A	COUP.DIODE TO GAIN CONT. V3A	PC68152C	MICA	2000 MMF	20%	1000V	S/RA
B	VOLT DIV. R/T MOD. V3A	PC68152C	MICA	2000 MMF	20%	1000V	S/RA
C	RF FILTER METER "AE" CCT.	PC68152C	MICA	2000 MMF	20%	1000V	S/RA
C18A	DIODE PLATE COUP V3A	PC66242C	MICA	20 MMF	20%	1000V	S/RA
C19A	TUNING BFO GRID V2B (TRIODE)	PC66061C	COMP.CER.	90 MMF	20%	1300V	S/RA

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TABLE XII (Cont'd)
CAPACITORS (Cont'd)

CIRCUIT REF.	LOCATION	PC OR RCA NO.	TYPE	VALUE	TOLERANCE	RATING	USED ON
C20A B	BY-PASS PLATE V2B (TRIODE) SCREEN BY-PASS V5A	PC66045C PC66045C	MICA MICA	2000 MMF 2000 MMF	20% 20%	1000V 1000V	S/RA S/RA
C21A B	COUPLING REC.OSC. V2A-V2B COUPLING TANK ANT. V7A	PC66240C-191 PC66240C	MICA MICA	30 MMF 7 MMF	20% + - 1MMF	1000V 1000V	S/RA S/RB
C22A C	PLATE GRID COUP V3A PILOT LIGHT BY-PASS	PC68183C PC68183C	OIL FILLED OIL FILLED	.025 MF .025 MF	20% 20%	500V 500V	S/RA P/S
C23A	BLOCK CAP. PLATE V4A	PC68147C	MICA	5000 MMF	20%	600V	S/RA
C24A	AERIAL BLOCKING	PC45984C	MICA	1000 MMF	20%	5000V	VAR (A)
C25A	"B" SET TUNING	PC80162C OR PC80199C	10C/2572	2.5/6.5 MF PER SECT. VAR.	VAR.		S/RB
C26A	RF FILT.CER. RECT.	PC66758C	MICA	1000 MMF	25%	1000V	VAR (A)
C27A	GRID COUP V7A	PC66152C	CER.CLASS D	20 MMF	10%	1300V	S/RB
C28A	FEEDBACK QUENCH V1D	PC66202C	MICA	700 MMF	5%	1000V	S/RB
C29A B C	OUTPUT COUPLING QUENCH TO GAIN CONT. COUPLING PLATE V1E TO GRID V8A COUPLING PLATE V1F TO GRID V8B	PC68184C PC68184C PC68184C	MICA MICA MICA	.01 MF .01 MF .01 MF	+20%-60% +20%-60% +20%-60%	600V 600V 600V	S/RB S/RB S/R 1/C
C30A B	QUENCH FREQ.FILT.PLATE V1E QUENCH FREQ.FILT.PLATE V1E	PC66747C PC66747C	MICA MICA	1000 MMF 1000 MMF	15% 15%	1000V 1000V	S/RB S/RB
C31A B C	DECOUPLING HT TO V1D DECOUPLING HT TO V1E DECOUPLING HT TO V1F	PC67193C PC67193C PC67193C	PLAIN PLATE ELECTROLYTIC PLAIN PLATE ELECTROLYTIC PLAIN PLATE ELECTROLYTIC	2 MF 2 MF 2 MF	-0%+100% -0%+100% -0%+100%	350V 350V 350V	S/RB S/RB S/R 1/C

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TABLE XII (Cont'd)
CAPACITORS (Cont'd)

CIRCUIT REF.	LOCATION	PC OR RCA NO.	TYPE	VALUE	TOLERANCE	RATING	USED ON
C32A	DECOUPLING HT TO POWER UNIT	PC67192C	PLAIN PLATE ELECTROLYTIC	32 MF	+50% -10%	450V	S/U
C33B	DECOUPLING HT TO V4A	PC68121C	OIL FILLED	0.1 MF	10%	1500V	S/RA
C34A	GRID DRIVE CONT. V4A	PC80127C/A	R15196-2	7-45 MMF	VAR. CERAMIC	VAR.	S/RA
C35A B	C10HF OSC. TRIMMER OSC.TRIMMER (LF) V2A	R15196-3		4-30 3-13 MMF	CERAMIC VAR. CERAMIC	VAR.	S/RA S/RA
C36A	TANK BLOCKING V4A	PC66148C	MICA	.01 MF	10%	2200V	S/RA
C37A	QUENCH RES. CCT. V1D	PC66172C	MICA	500 MMF	2%	1000V	S/RB
C37A	AVC V3A	PC68182C	OIL FILLED	0.1 MF	20%	500V	S/RA
C/C101A B C D E	RF INT.SUP. LT NEG. RF INT.SUP. LT POS-NEG. RF INT.SUP. LT POS RF INT.SUP. HT VIBRATOR RF INT.SUP. HT DYNAM.	RCA114045 PC68182C PC68182C PC68182C PC68182C	OIL FILLED OIL FILLED OIL FILLED OIL FILLED OIL FILLED	0.1 MF 0.1 MF 0.1 MF 0.1 MF 0.1 MF	20% 20% 20% 20% 20%	500V 500V 500V 500V 500V	P/S P/S P/S P/S P/S
*C/C102A	RF INT.SUP. VIB.TRANSF.	RCA113850-1	OIL FILLED	0.5 MF	20%	30V	P/S
C/C103A	BUFFER VIB.TRANSF. PRIM.	RCA113810-1	OIL FILLED	1 MF	10%	65V	P/S
C/C104A	BUFFER VIB.TRANSF. SEC.	RCA113809-1	OIL FILLED	.004 MF	10%	1000V	P/S
#C/C105A B	HT. FILTER. VIB. HT. FILTER. VIB.	RCA113827-1 RCA113827-1	DRY ELECTROLYTIC	20 MF 20 MF	-10%+50% -10%+50%	450V 450V	P/S P/S

- THESE ITEMS ARE COMBINED IN ONE UNIT AND ARE NOT SEPARATELY REPLACEABLE.
* - PART OF VIB. TRANSFORMER AND IS NOT SEPARATELY REPLACEABLE.

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TABLE XII (Cont'd)
CAPACITORS (Cont'd)

CIRCUIT REF.	LOCATION	PC OR RCA NO.	TYPE	VALUE	TOLERANCE	RATING	USED ON
C/C106A	RF INT. SUP. LT ₂ POS.	PC68121C	OIL FILLED	.1 MF	10%	1500V	P/S
C/C107A	DECOUPLING V4A	RCA113921-1	ELECTROLYTIC	12 MF	10%	100V	S/R

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TABLE XII (Cont'd)
SOCKETS

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
S01	6 POINT SOCKETS	PC75470C OR				INSTALLATION KIT CONNECTORS CONN. 12 PT. #23A & INST. KIT CONNECT. JUNCT. DIST. & CONTROL UNIT
S02	12 POINT SOCKETS	RCA113921-501				
S03	SNATCH SOCKETS	PC75424C OR				
		RCA113921-502				
		COMPRISING				
		PC76484				
		PC90681C				
S04A	FEEDER SOCKET "A" SET	PC90737				
B	FEEDER SOCKET VARIOM.	PC75511C				
S05A	FEEDER SOCKET "B" SET	PC75511C				
		KEY				
K1A	KEY & PLUG ASSEM.	PC906910-1 OR				SET KIT
		RCA110072-1				
		RECTIFIER				
W1A	WESTECTER	PC90747C				VARIOMETER
		FUSES				
F1A	FUSE - DYN. 540V	PC90267C	250MA			P/S
B	FUSE - DYN. 265V	PC90267C	250MA			P/S
F/C101A	FUSE - VIBRATOR	RCA113838-1	10 AMP			P/S

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TABLE XII (Cont'd)

LAMPS

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
P1A	LAMP, PILOT	PC90615C	12 V			P/S
INDUCTANCES						
L1A	AERIAL VARIOMETER	PC75608C				VAR.
L2A	CHOKE	PC79115C				VAR.
L2.1A	CHOKE	PC79115C				VAR.
L2B	METER CHOKE	PC79115C-191				S/RA
L3A	PA TUNING COIL	PC78465C				S/RA
L4A	DRIVE ANODE TUN IND. HF	PC78470C				S/RA
*L5A	LF OSC. IND. (B0)	PC78436C				S/RA
B	LF OSC. COUP					
L6A	DRIVE ANODE TUN.IND. LF	PC78471C				S/RA
L7A	SENDER F.C.TUNING IND. LF	PC78472C				S/RA
L8A	1ST I.F. TRANS.	PC77366C				S/RA
B	2ND I.F. TRANS.	PC77366C				S/RA
L9A	3RD I.F. TRANS.	PC77367C				S/RA
L10A	RF CHOKE VIA GRID	PC79116C				S/RA

ITEMS MARKED * ARE NOT SEPARATELY DEMANDABLE.

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TABLE XII (Cont'd)

INDUCTANCES (Cont'd)

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
L11A	VHF TUN. IND.	PC78432C				S/RB
L12A	VHF AER. CHOKE	PC79125C				S/RB
L13A	VHF V7A CATH. CHOKE	PC79114C				S/RB
L14A	QUENCH TUNING VID	PC78437C				S/RB
L15A	QUENCH ANODE VID	PC78320C				S/RB
L17A	LT CHOKE	RCA113865-501				P/S
L18A	RF CHOKE (DYN 540V)	PC78439C				P/S
L19A	RELAY COIL "A"	PC90611C				S/RA
B	RELAY COIL "B"	PC90611C				S/RB
L21A	SENDER FC ANODE TUN.IND. LF	PC78473C				S/RA
*L22A	RF REC.TUN. IND.	PC78468C				S/RA
B	RF REC. HF COUP					
*L23A	RF REC. TUNING IND.	PC78469C				S/RA
B	RF REC. LF COUP					
*L24A	RF OSC. TUN. IND. HF	PC78466C				S/RA
B	RF OSC. COUP					
*L25A	RF OSC. TUN. IND. LF	PC78467C				S/RA
B	RF OSC. COUPLING					

ITEMS MARKED * ARE NOT SEPARATELY DEMANDABLE.

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TABLE XII (Cont'd)

INDUCTANCES (Cont'd)

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
L26A	"B" AERIAL CHOKE	PC79126C				S/RB
L/C101A	VIBRATOR CHOKE	RCA113806-501				P/S
*L/C102A	VIBRATOR CHOKE	THIS ITEM CONTAINED IN VIB. T/C101A				P/S
L/C103A	FLICK ADJUSTER	COMPRISING RCA 113837-501 RCA 113825-501				
TRANSFORMERS						
T1A	AER.CUR.METER TRANS.	PC77371C				VAR.
T2A	REC. OUT "A"	PC77369C				S/RA
T3A	MIC. TRANS. "A"	PC77370C				S/RA
T4A	MIC. TRANS. "B"	PC77368C				S/RA
B	MIC. TRANS. "I/C"	PC77368C				S/R I/C
*T5A	OUT. TRANS. "B"	PC76332C				S/RB
T6A	OUT. TRANS. "I/C"	PC76332C				S/R I/C
T/C101A	VIBRATOR TRANS.					

ITEMS MARKED * ARE NOT SEPARATELY DEMANDABLE.

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TABLE XII (Cont'd)

SWITCHES

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
S2A	PRESSEL.SWITCH HAND MIC	PC76355C				
B	PRESSEL.SWITCH HAND MIC	PC76355C				
C	PRESSEL.SWITCH HAND MIC	PC76355C				
S4A	PRESS.BUTTON POWER MIC.	PC90618C				
B	PRESS.BUTTON POWER MIC.	PC90618C				
S5A	RELAY S/R(A)	PC90611C				S/RA
B	RELAY S/R(B)	PC90611C				S/RB
S7A	MCW,R/T,CW SW. 3 POS 9 POLE	PC83217C				S/RA
S8A	METER SW. 6 POS. 2 POLE	PC83206C				S/RA
S10B	ON/OFF SW. "B" SET.DP TOG.	PC83220C				S/RB
C	ON/OFF SW. "I/C" AMP, DP TOG.	PC83220C				S/R I/C
S11A	WAVE CHANGE SW.2 POS.2 POLE	PC83211C				S/RA
	WAVE CHANGE CERAMIC	PC83211C-1				
S/C101A	PWR.SW.4 POLE 3 POS.TOGGLE	RCA110063-1				P/S
S/C102A	TOG. SW. 12V-24V. DPDT	RCA113808-1				P/S
S/C103A	RELAY	RCA110053-1				P/S
S/C104A	TOG.SW. DP "A" SET ON/OFF	PC83220C				S/RA

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TABLE XII (Cont'd)

SWITCHES (Cont'd)

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
S/C105A B	TOG. SW. SP AVC TOG. SW. SP NET	PC83223C PC83223C				S/RA S/RA
		PLUGS				
PL-1C	6 PT.-PYE PLUG (P/S INPUT)	PC75429C				P/S
PL-2A	12 PT.-PYE PLUG(S/R PWR. INPUT)	PC75423C				S/R S/R P/S
B	12 PT.-PYE PLUG(S/R OUTPUT)					
C	12 PT.-PYE PLUG(S/R OUTPUT)					
PL3A B C D	5 PT. SNATCH PLUG	COMPRISING PC76483 PC90680 PC90738				
PL4A B C	FEEDER PLUG "A" SET FEEDER PLUG "B" SET FEEDER PLUG VARIOMETER	PC75512C PC75517C-194 PC75512C				S/RA S/RB VAR.
		JACK				
J1A	KEY JACK "A" SET	PC76150C				S/RA

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TABLE XII (Cont'd)

VALVES

CIRCUIT REF.	LOCATION	PYE OR RCA NO.	VALUE	TOLERANCE	RATING	USED ON
V1A TO F	6K7G RF PENTODE	PC86182C				
V2A B	6K8G TRIODE HEYODE 6K8G TRIODE HEXODE	PC86184C PC86184C				
V3A	6B8G DOUBLE DIODE PENTODE	PC86183C				
V4A	807 (ATS25) BEAM POWER TETRODE	PC86186C				
V5A	ARP 25 OR EF50 RF PENTODE	PC86097C				
V6A	6H6 OR ARDD5 OR EB34 DOUBLE DIODE	PC86170C				
V7A	E1148 UHF OR CVG	PC86187C				
V8A B	6V6G OR ARP32 BEAM POWER TETRODE 6V6G OR ARP32 BEAM POWER TETRODE	PC86185C PC86185C				
V/C101A	OZ4A RECT. VALVE VIBRATOR DYNAMOTOR	MISCELLANEOUS RCA-110050-1 RCA-101985-1				

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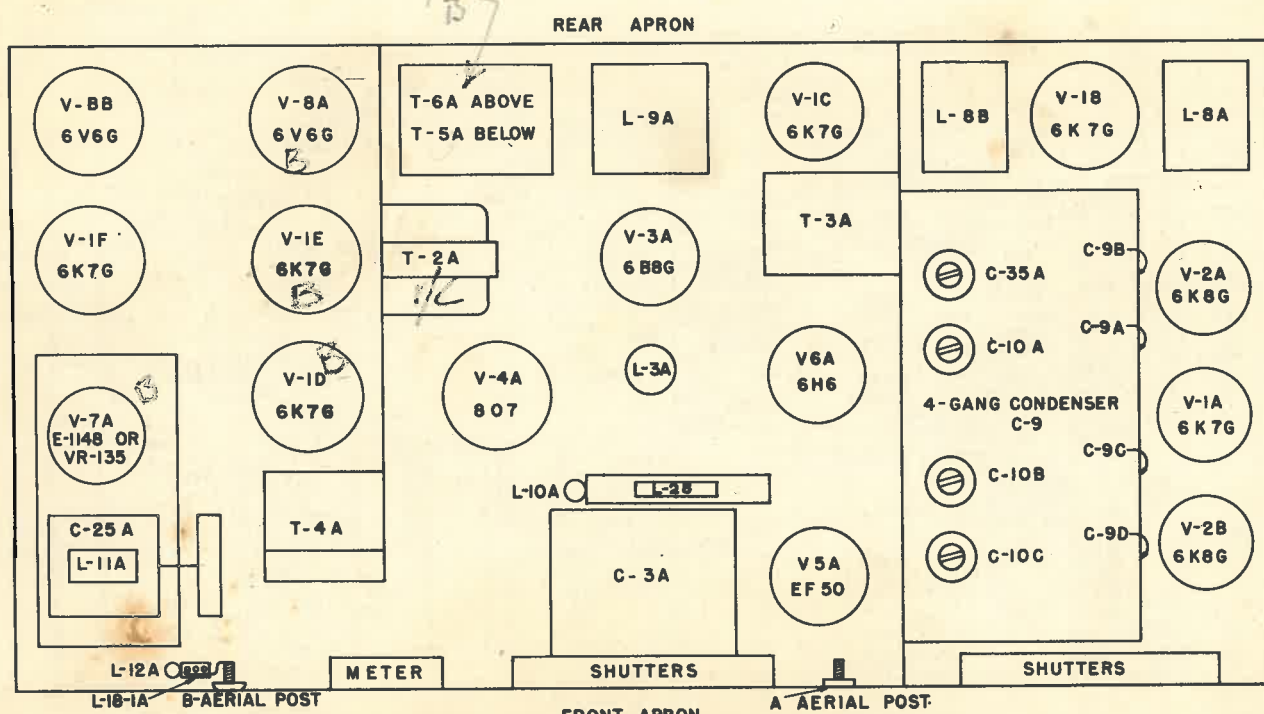


FIG. 9 - TOP PLAN OF CHASSIS

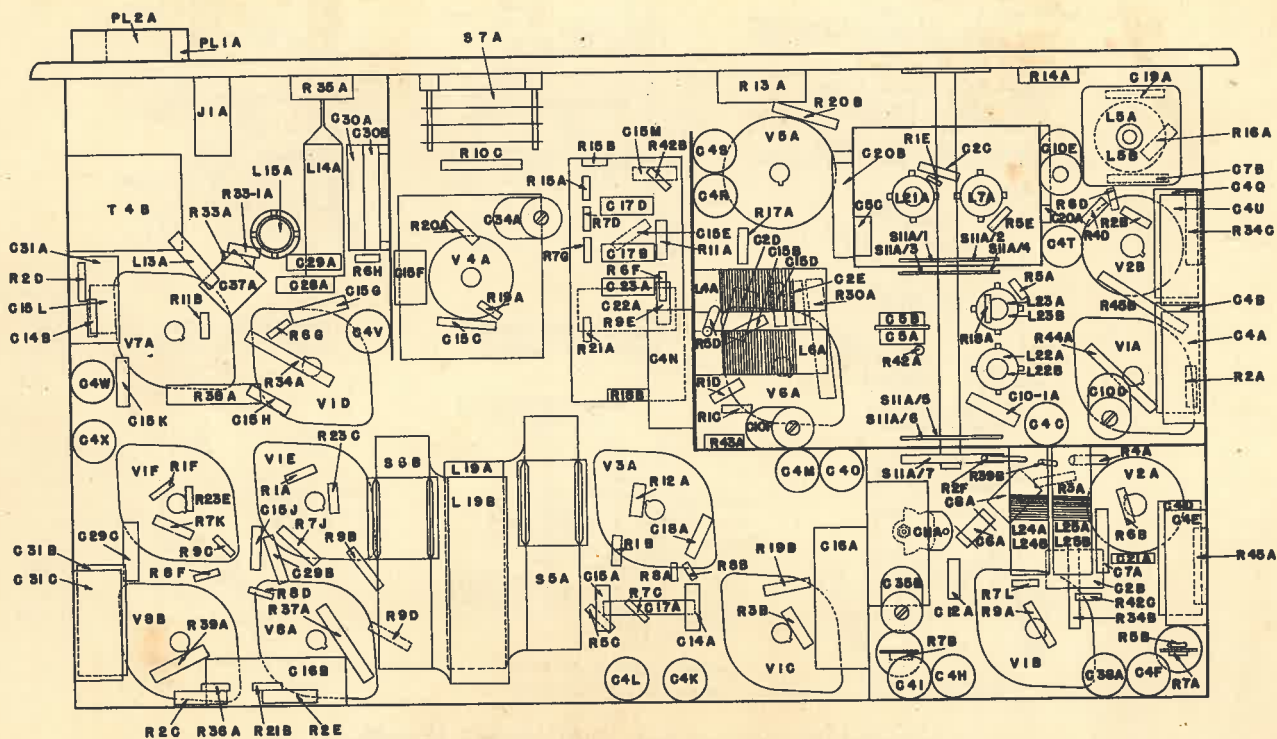


FIG 10- UNDERNEATH PLAN OF CHASSIS

Fig. 11

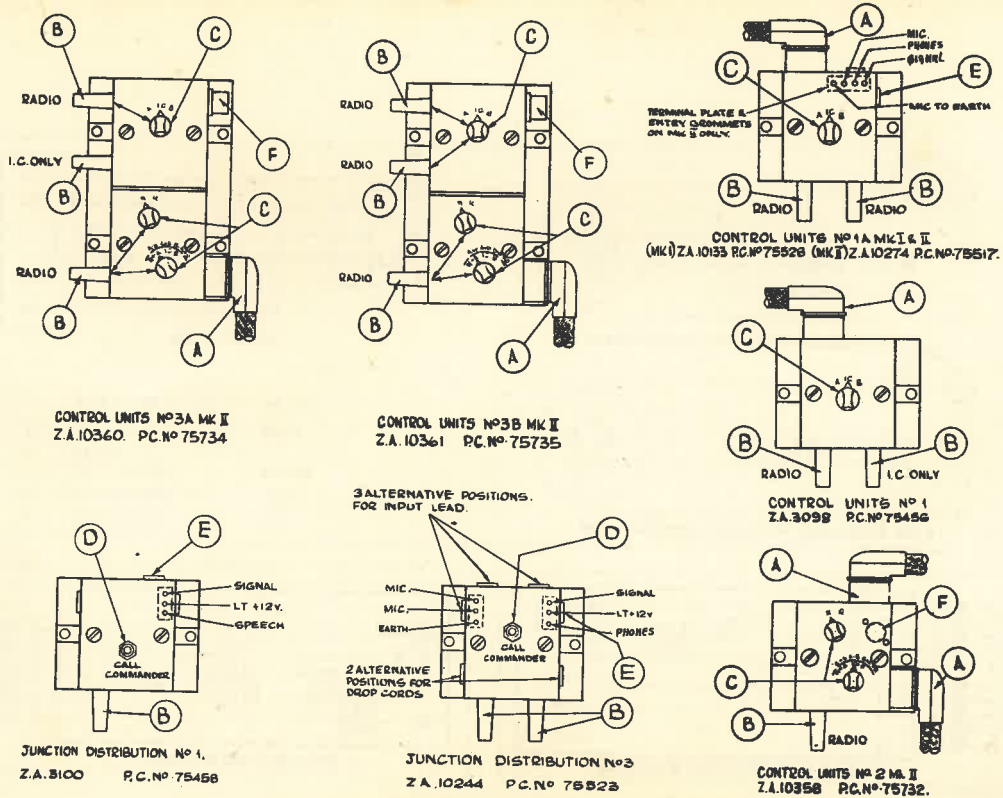


Fig. 11—Plan of Control Units and Junctions Distribution

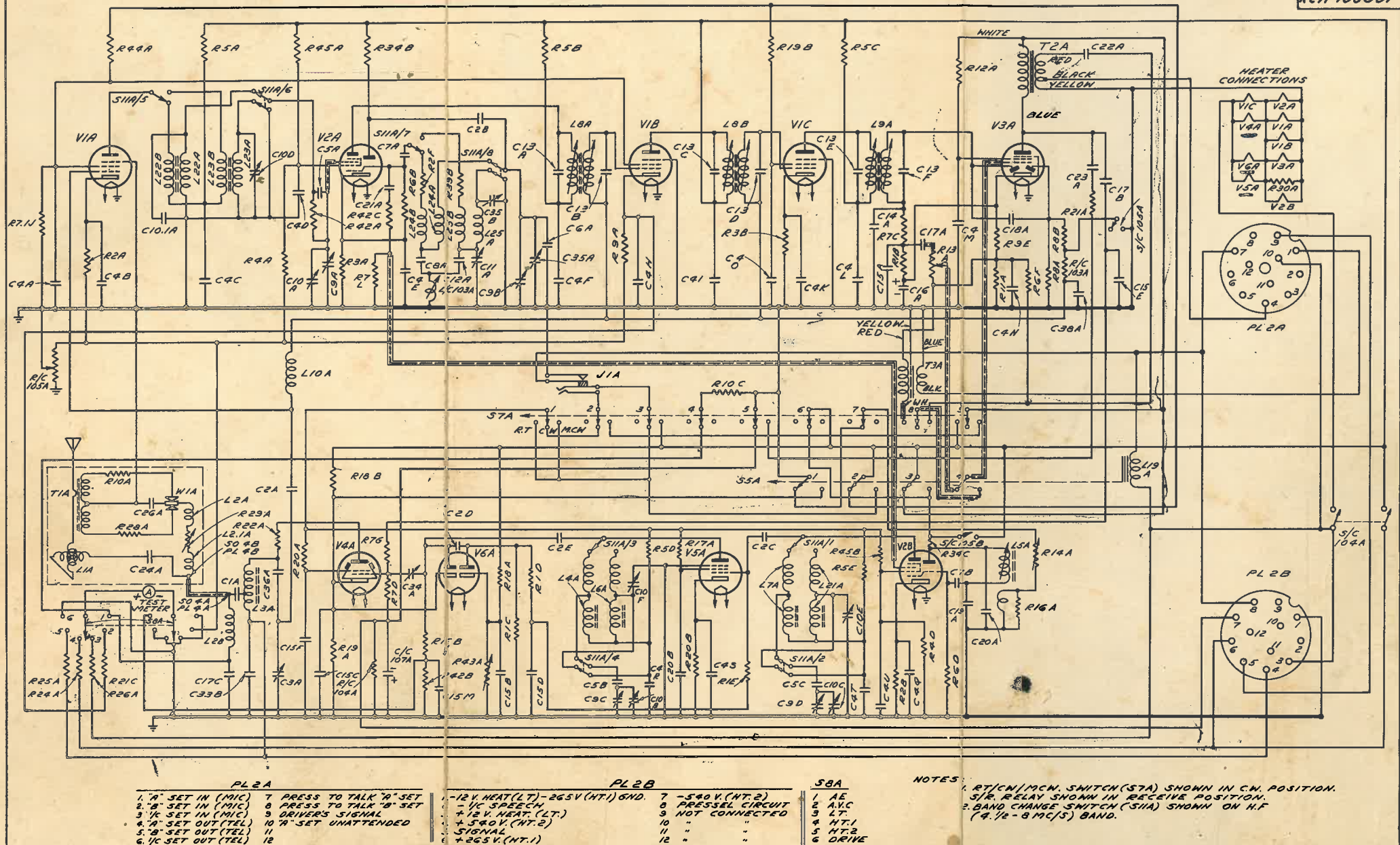


Fig. 4—Schematic of A-Set

Low Drive - Check
R18A.