

M A T E R I A L   L I S T

FOR  
ANTENNA MULTICOUPLER

MODEL AMC-6-3/70U

SECTION I:           Electrical Components and Mechanical Parts  
SECTION II:           Hardware  
SECTION III:          Loose Items shipped with Equipment  
SECTION IV:          Supporting Drawings

CHECKED: h. Ke.

APPROVED: h. Ke.

TYPED: January 12, 1961. /hh.

BILL OF MATERIAL		MODEL	PROJ. NO.										LIST NO.	
		AMC 6-3											<del>ML-10047</del>	
		ISSUE	A	B	C	D	E	F	G	H	I	J	K	SHEET 1 OF 8 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION											REMARKS	
		SECTION I: <u>Electrical Components and Mechanical Parts</u>												
A-10024-1	1	SUB ASSEMBLY: line filter											L101	
A-10095	1	COIL ASSEMBLY: input compensation												
BB-101	1	BEARING: bushing												
BI-101-44	1	LAMP: incandescent, bayonet base, .25A, 6-8 Volt.											DS101	
CA-10009	1	CABLE HARNESS												
CA-10124-5	4	CABLE: coaxial												
CA-10124-6	3	CABLE: coaxial												
CA-10124-7	1	CABLE: coaxial												
CC21SL100D	2	CAPACITOR:											C101, C105	
CC21SL2R6C	2	CAPACITOR: fixed, ceramic, 2.6 uuf.											C104, C109	
CM20B102K	20	CAPACITOR: fixed, mica, 1000 uuf.											C103, C108, C110, C112, C113, 114, 116, 117, 118, 120, 121, 122, 124, 125, 126, 128, 129, 130, 132, 133.	
CM35B103K	3	CAPACITOR: fixed, mica, 10,000 uuf.											C102, C106, C107.	
CM35B512K	6	CAPACITOR: fixed, mica, 5100 uuf.											C111, 115, 119, 123, 127, 131.	
CN-100-17	2	CAPACITOR: fixed, duranite, .02 uf.											C137, C138.	
CP40C2FF405K	3	CAPACITOR: fixed, paper, 4 uf, 600 volt											C134, C135, C136.	
CU-100-5	1	CLAMP												
CU-101-3	7	CONNECTOR: Burndy												
CU-101-4	14	CONNECTOR: Burndy												
CU-139-2B	4	FERRULE: handle												
DL-10001	1	DELAY LINE											LA, LB, (DL101)	
DL-10003	1	DELAY LINE											LG, LH, LC, LD, LE, LF, LI, LJ, LK, LI. (DL102)	
↑ APPLICABLE SPECIFICATIONS, LAST PAGE ↓		CHECKED <i>M. Ke.</i>										APPROVED <i>Doc.</i>		

TMC(Canada)LIMITED OTTAWA, ONTARIO

ANTENNA MULTICOUPLER MODEL AMC 6-3

AMC-6-3/704

BILL OF MATERIAL

MODEL AMC 6-3

PROJ. NO.

LIST NO. ~~ML-10047~~

ISSUE A B C D E F G H J K

SHEET 2 OF 8 SHEETS

OTTAWA, ONTARIO

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PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS
EY-100-2	2	RIVET	
EY-102-2	4	GROMMET: rubber	
EY-102-3	4	GROMMET: rubber	
EY-10001-1	7	GROMMET: rubber	
FH-10001-1	2	HOLDER: fuse, extractor type	XF101, XF102
FU-102-2	2	FUSE: cartridge, slo-blow, 2 amp. 125 V.	F101, F102
FX-10002	1	FILTER: (See ML-10108)	FX101
HA-102-5BN	2	HANDLE: front panel	
JJ-100	1	RECEPTACLE: power	J108
LD-10029	1	PANEL: front	Ref. MS1011107
LD-10010	1	CHASSIS	Ref. MS-10510, MS-10110
LD-10168		LETTERING, MS-10554	
MP-100-4	1	KNOB: pointer type	
MS-10554	1	Bracket, Bias Pot	Ref. LD-10168
MS-10090-L	1	SIDE BRACKET: left	
MS-10090-R	1	SIDE BRACKET: right	
MS-10092	1	COVER: bottom	
MS-10094	1	BRACKET: switch mounting	
MS-10095-L	1	SHIELD STRIPPING: left side 10"	
MS-10095-R	1	SHIELD STRIPPING: right side 10"	
MS-10110	1	BARRIER	
MS-10263-16	2	SHIELD STRIPPING	
MS-10510	1	CHASSIS	
MWC22(7) U1	A/R.	WIRE: brown	
MWC22(7) U2	A/R.	WIRE: red	
MWC22(7) U5	A/R.	WIRE: yellow	
MWC22(7) U90	A/R.	WIRE: black/white	
NP-354	1	NAMEPLATE: identification	
NP-10081-28	1	NAMEPLATE: AMC-6	

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ANTENNA MULTICOUPLER MODEL AMC 6-3

AMC-6-3/704

TMC(Canada)LIMITED OTTAWA, ONTARIO

BILL OF MATERIAL		MODEL	AMC 6-3					PROJ. NO.	LIST NO.					
		ISSUE	A	B	C	D	E	F	G	H	J	K		
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION											REMARKS	
PP-10004	1	BOARD: terminal												
PX-104-1-042	A/R.	SLEEVING: black												
PX-104-1-034	A/R.	SLEEVING: black												
PX-104-2-034	A/R.	SLEEVING: yellow												
PX-104-3-034	A/R.	SLEEVING: red												
PX-104-4-034	A/R.	SLEEVING: green												
PX-104-6-034	A/R.	SLEEVING: blue												
RC32GF270K	1	RESISTOR: fixed, comp. 270 ohms $\pm 10\%$ , 1w.											R102	
RC20GF101J	1	RESISTOR: fixed, comp. 100 ohms $\pm 5\%$ , $\frac{1}{2}$ w.											R147	
RC20GF102J	1	RESISTOR: fixed, comp. 1000 ohms $\pm 5\%$ , $\frac{1}{2}$ w.											R154	
RC20GF470J	12	RESISTOR: fixed, comp. 47 ohms $\pm 5\%$ , $\frac{1}{2}$ w.											R111, 112, 117, 118, 123, 124,	
RC20GF473J	6	RESISTOR: fixed, comp. 47000 " $\pm 5\%$ , $\frac{1}{2}$ w.											R129, 130, 135, 136, 141, 142.	
RC32GF270K	1	Resistor, Fixed, Comp., 27 Ohms $\pm 10\%$											R148, 149, 150, 151, 152, 153.	
RC32GF103K	1	RESISTOR: fixed, comp. 10K ohms $\pm 10\%$ , 1w.											P/O L101	
RC32GF223J	5	RESISTOR: fixed, comp. 22,000 ohms $\pm 5\%$ , 1 w.											R113, 119, 125, 131, 137,	
RC32GF470J	2	RESISTOR: fixed, comp., 47 ohms $\pm 5\%$ , 1w.											R105, 106, 105, R106.	
RC32GF681J	12	RESISTOR: fixed, comp. 680 ohms $\pm 5\%$ , 1w.											R109, 114, 115, 120, 121, 126,	
RN75B2200F	2	RESISTOR: glass, fixed, 220 ohms											R127, 132, 133, 138, 139, 144.	
RN75B6801F	8	RESISTOR: glass, fixed, 6800 ohms											R108, R145	
RN75B4300F	2	RESISTOR: glass, fixed, 430 ohms											R103, 107, 110, 116, 122, 128, 134, 140.	
RV4ATXA500A	1	RESISTOR: variable, comp., 2w.											R101, R104.	
RW-109-28	1	RESISTOR: fixed, wirewound, 2 K ohm, $\pm 5\%$ , 10 watt.											R155 R146	
RE70G3500	1	RESISTOR, fixed, 350 ohm, 15 watt											R156	
SO-239	7	RECEPTACLE: coaxial											J101, 102, 103, 104, 105, 106, J107. S102	
ST-22K	1	SWITCH: toggle											S101	
SW-10004-1	1	SWITCH: rotary												
TE-102-2	22	STAND OFF												
TE-104-2	1	LUG: locking 04												
TE-104-3	1	LUG: solder												
TE-104-4	6	LUG: locking 10												

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ANTENNA MULTICOUPLER MODEL AMC 6-3

AMC-6-3/70U

BILL OF MATERIAL

MODEL AMC 6-3  
 PROJ. NO.  
 ISSUE A B C D E F G H J K

LIST NO. ML-10047  
 SHEET 4 OF 8 SHEETS

OTTAWA, ONTARIO

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PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS
TE-128-2	7	TERM., LUG, LKG, DUAL	
TE-110-33	1	LUG: plain #06: split	
TE-113-149	4	LUG: plain #149	
TE-117-7 .120	2	Spacer plain .120	
TE-117-288	6	SPACER:	
TE-10003-1-1	3	TERMINAL L	
TE-10011-1	11	LUG, solder	
TE-10011-2	11	LUG, solder: power	T110
TF-100080	1	TRANSFORMER: 1 power	T110, L103
TF-10010	2	CHOKE: filter	L102, L103
TR-057	6	TRANSFORMER: output (See ML-10107)	T104, 105, 106, 107, 108, 109.
TR-058	1	TRANSFORMER: neutralizing (See ML-10106)	T102
TR-059	1	TRANSFORMER: input (See ML-10105)	T101
TR-062	1	TRANSFORMER: neutralizing (See ML-10104)	T103
TS-101-PO1	1	SOCKET: octal	XV111
TS-102-PO1	10	SOCKET: tube, 7 pin miniature	XV101, XV102, XV103, XV104,
TS-102-U02	8	SHIELD: tube	XV105, XV106, XV107, XV108,
TS-102-U03	2	SHIELD: tube	XV109, XV110
TS-106-1	1	PILOT LAMP:	XDS101
UG-177/U	7	HOOD	
WL-100-5	A/R.	WIRE: 18 buss bar	
WL-100-7	A/R.	WIRE: 22 buss bar	
		<u>TUBES:</u>	
OB2	2	TUBE: electron	V109, V110
5U4G	1	TUBE: electron	V111
6AH6	6	TUBE: electron	V103, V104, V105, V106, V107, V108.
6J4	2	TUBE: electron	V101, V102

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BILL OF MATERIAL		MODEL AMC 6-3		PROJ. NO.		LIST NO. <del>ME-10047</del>									
		ISSUE		A	B	C	D	E	F	G	H	J	K	SHEET 5 OF 8 SHEETS	
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION										REMARKS			
<u>SECTION II: HARDWARE</u>															
LWEO6MRN	1	LOCKWASHER: external tooth # 6													
LWEO8MRN	7	LOCKWASHER: external tooth # 8													
LWE10MRN	4	LOCKWASHER: external tooth # 10													
LWIO4MRN	53	LOCKWASHER: internal tooth													
LWS06MRN	13	LOCKWASHER: spring													
LWS08MRN	2	LOCKWASHER: spring													
LWS10MRN	7	LOCKWASHER: spring													
NT-101-4	10	NUT STRAP: 7 pin													
NT-108-1	21	NUT: speed													
NTHO44OBN6	24	NUT: hexagon													
NTHO44OBN8	1	NUT: hexagon													
NTHO632BN8	35	NUT: hexagon													
NTHO832BN8	2	NUT: hexagon													
NTHO832BN10	2	NUT: hexagon													
NTHO832BN11	8	NUT: hexagon													
NTHO832BN12	8	NUT: hexagon													
SFB0256SN3	4	SCREW: self tapping													
SCBP0440BN3N3	21	SCREW: machine													
SCBP0440BN4N4	20	SCREW: machine													
SCBP0440BN5N5	18	SCREW: machine													
SCBP0440BN16N16	6	SCREW: machine													
SCBP0632BN5N5	9	SCREW: machine													
SCBP0632BN6N6	21	SCREW: machine													
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OTTAWA, ONTARIO

TMC(Canada)LIMITED

BILL OF MATERIAL

MODEL AMC 6-3

PROJ. NO.

LIST NO. ~~11-10047~~

ISSUE A B C D E F G H J K

SHEET 6 OF 8 SHEETS

OTTAWA, ONTARIO

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PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS
SCBP0832BN5N5	4	SCREW: machine	
SCBP0832BN8N8	2	SCREW: machine	
SCBP0832BN1414	2	SCREW: machine	
SCBP1032BN1212	4	SCREW: machine	
SCFP0440BN4N4	1	SCREW: machine	
SCFP0440BN5N5	24	SCREW: machine	
SCFP0632BN3232	2	SCREW: machine	
WA-109-17	1	WASHER, FIBRE	
WA-109-18	12	WASHER: fibre	
<p><u>SECTION III:</u> <u>LOOSE ITEMS SHIPPED WITH EQUIPMENT</u></p>			
CA-103-72	1	CABLE: power, 72 inches long	
PL-259	7	PLUG: coaxial	

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BILL OF MATERIAL		MODEL AMC 6-3		PROJ. NO.		LIST NO. <del>ML-10017</del>	
		ISSUE		A B C D E F G H J K		SHEET 7 OF 8 SHEETS	
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION				REMARKS	
		<u>SECTION IV: SUPPORTING DRAWINGS</u>				<u>DWG. SIZE</u>	
A-10024-1		SUB ASSEMBLY LINE FILTER				2	
A-10095		COIL ASSEMBLY				1	
CA-10009		CABLE HARNESS				8	
CA-10124-5		COAXIAL CABLE				4	
CA-10124-6		COAXIAL CABLE				4	
CA-10124-7		COAXIAL CABLE				4	
CK-10060		SCHEMATIC DIAGRAM				8	
DL-10001		DELAY LINE				1	
DL-10003		DELAY LINE				4	
EY-10001-1		GROMMET				1	
FH-10001-1		FUSE HOLDER				1	
FX-10002		FILTER (See also ML-10108)				2	
LD-10010		LETTERING MAIN CHASSIS				8	
LD-10029		FRONT PANEL ENGRAVING				8	
LD-10168		LETTERING, MS-10554				8	
MS-10090-L&-R		SIDE BRACKET LEFT				4	
MS-10092		BOTTOM COVER				8	
MS-10094		SWITCH MOUNTING BRACKET				1	
MS-10095-L&-R		SHIELD STRIPPING				2	
MS-10110		BARRIER				4	
MS-10111		FRONT PANEL				8	
MS-10510		CHASSIS DETAIL REAR & FRONT				8	
MS-10554		BRACKET				1	
MS-10263-16		SHIELD STRIPPING				2	
NP-10081-28		NAMEPLATE				1	
PP-10004		TERMINAL BOARD				1	
↑ APPLICABLE SPECIFICATIONS, LAST PAGE ↓		CHECKED <i>M. W.</i>		APPROVED <i>MVC</i>			

OTTAWA, ONTARIO

TMC(Canada)LIMITED



ANTENNA MULTICOUPLER MODEL AMC 6-3

AMC-6-3/704

BILL OF MATERIAL	MODEL	AMC 6-3					PROJ. NO.		LIST NO.	ML-10047					
	ISSUE	A	B	C	D	E	F	G	H	J	K			SHEET	8 OF 8

TMC(Canada)LIMITED

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PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS
		cont'd <u>SUPPORTING DRAWINGS</u>	<u>DWG. SIZE</u>
SW-10004-1		ROTARY SWITCH	1
TE-10003-1		TERMINAL	1
TF-10008		POWER TRANSFORMER	2
TF-10010		FILTER CHOKE	2
TR-057		TRANSFORMER (ML-10107)	1
TR-058		TRANSFORMER (ML-10106)	1
TR-059		TRANSFORMER (ML-10105)	2
TR-062		TRANSFORMER (ML-10104)	1
S-10046		REPLACEMENT OF POWER TRANSFORMER IN AMC 6-2 or AMC 6-3 MULTICOUPLERS (T110)	1
S-10064		TEST SPEC	

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# REVISION SHEET

TMC (CANADA) LIMITED  
OTTAWA ONTARIO

ML-10047

MODEL --- **AMC 6-3** ---

PROJECT NO. ---

DATE	REV.	PAGE	ITEM	DESCRIPTION	REMARKS	CHK.	APP.
19/1/61	A	2		MWC22(7)U4 change to MWC22(7)U5		NK/hh.	M. Ver.
2/2/61	B	7		MS-10113 deleted			
		7		MS-10093 deleted			
		7		MS-10510 added			
				Circuit Symbols added on Material List		NK/hh.	M. Ver.
	B	1		CP402FF405K change to CP40C2FF405K			
21/2/61	C	2		MS-10510 added		NK/hh.	M. Ver.
8/1/61	D	3	5361	Chg. RN25X2200F to RN75B2200F,			
		"	"	Chg. RN25X6801F to RN75B6801F.			
12/21/61	E	2	6106	On LD-10029, Chg. Ref. from MS-10087 to MS-10111			
3/28/63	F	2	8692	Chg. FU-102-1 to FU-102-2 (F101,102)			
		<b>247</b>		Add 1 ea. MS-10554, <b>1 ea. LD-10168</b>			
		3		On RC32GF470J, Chg. Quan. from 3 to 2, Dele. Sym. R102			
				Add 1 ea. RC32GF270J, Sym. R102			
				Add 1 ea. RV4ATXA500A, Sym. R155			
<b>8-20-63</b>	<b>G</b>	<b>3</b>	<b>9825</b>	<b>Sh. 3 chg. RC32GF270J to RC32GF270 K</b>			
2/28/64	H	1-7 <sup>m</sup>	10983	Revised Sheets 1 thru 7 per EMN.			
6/1/64	J	3	11458	Revised sht. 3 per EMN			
9/30/64	K	1,3,4,	12475	Revised shts. 1,3,4 per EMN			