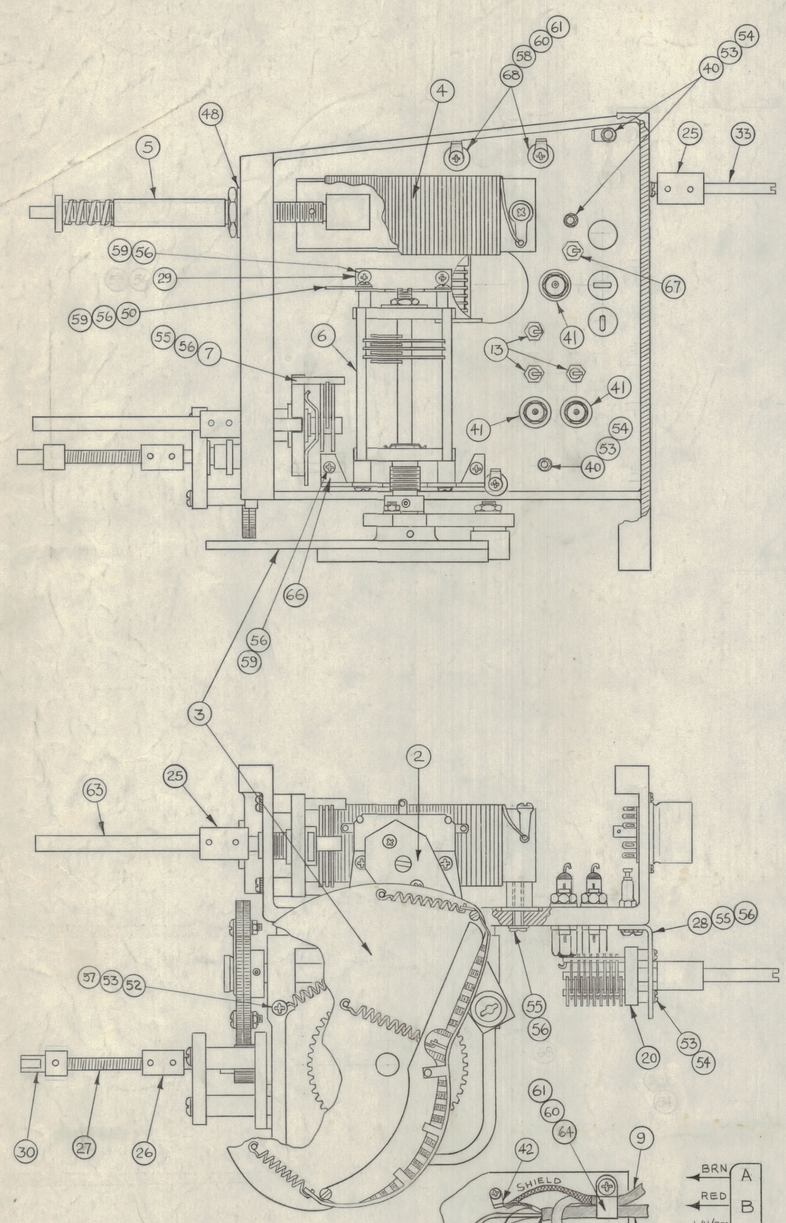

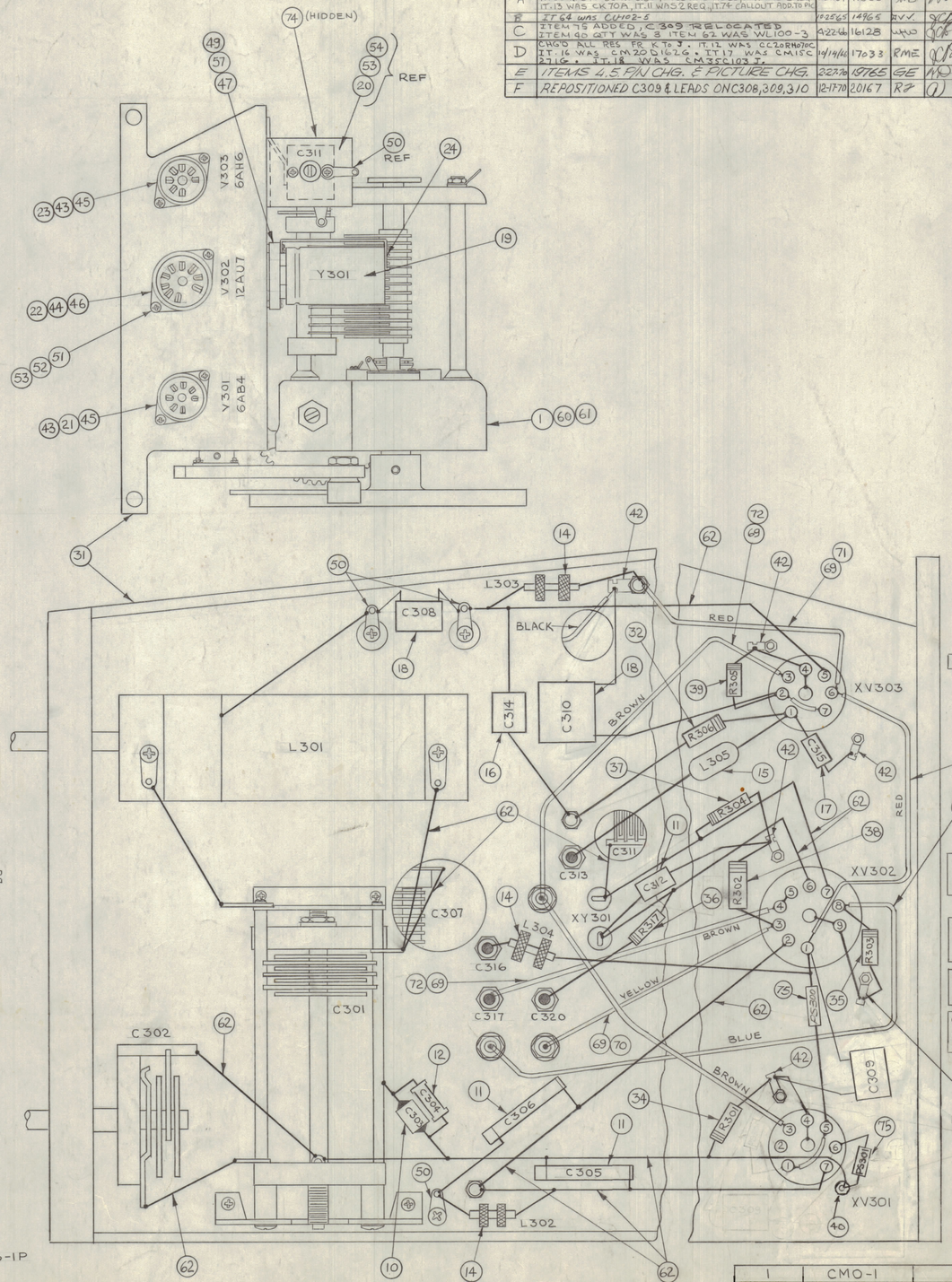

REVISIONS						
SYM	DESCRIPTION	DATE	E.M.R. NO.	APPD	APPD
∅	ORIGINAL RELEASE FOR PRODUCTION	6-4-64	0	A.M.	@
A	ITEM 68 DELETED, IT. 74 ADDED, IT. 61 WAS CK70A202A IT. 63 WAS PM691RF2.5E IT. 38 WAS RC20, IT. 17 WAS 2 REQ IT. 13 WAS CK70A, IT. 11 WAS 2 REQ, IT. 74 CALLOUT ADD. TO PC	7-21-64	11900	WB	MP.
B	IT 64 WAS CU102-5	10-26-65	14965	AVV	
C	ITEM 75 ADDED, C309 RELOCATED	4-22-66	16128	WHO	
D	CHG'D ALL RES FR K TO J. IT. 12 WAS CC20RH070C IT. 16 WAS CM20D162G, IT. 17 WAS CM15C103J. 2-1-67 IT. 18 WAS CM35C103J.	10-19-66	17033	RME	
E	ITEMS 4, 5 P/N CHG. & PICTURE CHG.	2-27-70	19765	GE	
F	REPOSITIONED C309 & LEADS ONC308, 309, 310	12-17-70	20167	RT	

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
2	75	AX163	SUPPRESSOR, PARASITIC	PS300 PS301
1	74	MS2551	BRACKET, SUPPORT	
X	73	PX-104-6-034	INSULATION, SLEEVING	BLUE
X	72	PX-104-5-034	INSULATION, SLEEVING	BROWN
X	71	PX-104-3-034	INSULATION, SLEEVING	RED
X	70	PX-104-2-034	INSULATION, SLEEVING	YELLOW
X	69	WL-100-7	WIRE, BUSS (SIZE 22)	
	68	DELETED		
1	67	CK70AW202M	CAPACITOR, FEED-THRU, CERAMIC	C313
1	66	MS-2337	BRACKET, CONDENSER	
X	65	BS-100	SOLDER, SOFT	
1	64	CU-102-5N	CLAMP, "G" TYPE	
1	63	PM-691 RF 2.500E	SHAFT, OSC. CON. EXT.	
X	62	WL-100-5	WIRE, BUSS (SIZE 18)	
6	61	LWE 08 MRN	LOCKWASHER, EXT.	
7	60	SCBP0832BN6	SCREW, MACHINE	
7	59	SCBP0632BN4	SCREW, MACHINE	
4	58	WA-109-1B	WASHER, FIBER	
3	57	SCBP0440BN10	SCREW, MACHINE	
12	56	LWE 06MRN	LOCKWASHER, EXT.	
6	55	SCBP0632BN6	SCREW, MACHINE	
6	54	SCBP0440BN4	SCREW, MACHINE	
12	53	LWE 04 MRN	LOCKWASHER, EXT.	
8	52	NTH0440BN6	NUT, HEX.	
6	51	SCBP0440BN6	SCREW, MACHINE	
4	50	TE-104-2	TERMINAL, LOCKING	
2	49	WA-120	WASHER, FIBER	
1	48	LWI 37 MRN	LOCKWASHER, INT.	
1	47	TS-105-1	SOCKET, CRYSTAL	XY301
1	46	TS-103 P01	SOCKET, TUBE	XV302
2	45	TS-102 P01	SOCKET, TUBE	XV301 XV303
1	44	TS103U02	SHIELD, TUBE	EV302
2	43	TS102U02	SHIELD, TUBE	EV301 EV303
7	42	TE-149-.120	LUG, SOLDER	
3	41	TE-114-2	TERMINAL, FEED-THRU, INSULATED	
4	40	TE-102-2	TERMINAL, TURRET	
1	39	RC20GF331J.	RESISTOR, FIXED COMPOSITION	R305
1	38	RC32GF102J	" " "	R302
1	37	RC20GF474J	" " "	R304
1	36	RC20GF473J	" " "	R317
1	35	RC20GF472J.	" " "	R303
1	34	RC20GF223J.	RESISTOR, FIXED COMPOSITION	R301
1	33	PX-259	SHAFT, OSC. COND. EXT.	
1	32	RC20GF273J.	RESISTOR, FIXED COMPOSITION	R306
1	31	LD-977/PM-619	CHASSIS, OSC.	
1	30	PM-319	COUPLING, MAIN SHAFT	
1	29	MS-1582	BRACKET, CONDENSER	
1	28	LD-985/MS-309	BRACKET, OSC. CONDENSER	
1	27	MC-123	SHAFT, FLEXIBLE	
1	26	MC-107	COUPLING	
2	25	MC-102	COUPLING, SWITCH SHAFT	
1	24	CU-106	CLAMP, CRYSTAL	
1	23	6AH6	TUBE, ELECTRON	V303
1	22	12AU7A	TUBE, ELECTRON	V302
1	21	6AB4	TUBE, ELECTRON	V301
1	20	CT-103-1	CAPACITOR, VARIABLE	C311
1	19	CR-100	CRYSTAL UNIT	Y301
3	18	CM112F103J.S.S	CAPACITOR, FIXED, MICA	C308 C309 C310
1	17	CM15F271G03	CAPACITOR, FIXED, MICA	C315
1	16	CM100-11	CAPACITOR, FIXED, MICA	C314
1	15	CL-140-1	CHOKE, R.F.	L305
3	14	CL-100-5	CHOKE, R.F.	L302 L303 L304
3	13	CK-70AW102M	CAPACITOR, FEED-THRU, CERAMIC	C316 C317 C320
1	12	CC107RH070C	CAPACITOR, FIXED, CERAMIC	C304
3	11	CC114G271J	CAPACITOR, FIXED, CERAMIC	C305 C306 C312
1	10	CC-102-5	CAPACITOR, FIXED, CERAMIC	C303
1	9	CA-535	CABLE, R.F.	W302
1	8	CA-568	CABLE, MO. POWER	W301
1	7	CB-121	CAPACITOR, VARIABLE	C302
1	6	CB-105	CAPACITOR, VARIABLE	C301
1	5	A 4585	TUNING SLUG ASS'Y	
1	4	CL 236	COIL ASSEMBLY	L301
1	3	A-584	CAM, SUB-ASSEMBLY	
1	2	A-583	CAM FOLLOWER ARM SUB ASS'Y	
1	1	A-1000	SUB-ASSEMBLY CAP, VAR. AIR	C307

O. POSE — LIST OF MATERIAL

MATERIAL: #
FINISH: #

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TITLE: AO-103 OSCILLATOR SUB ASSEMBLY

DRAWN	NTB	DATE 4-22-64	FINAL APPROVAL
CHECKED	@	DATE 5-4-64	
ELECT. DES.		DATE	A3626
MECH. DES.		DATE	SHEET / REV. LTR.

Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
1	CMO-1	

SCALE: # — CODE: A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: X ± .05, XX ± .01, XXX ± .005 — TOLERANCES — FRACTIONS ± 1/64, ANGLES ± 0° 30'

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NOTES

TMC FORM 111