

RESISTORS (Power and Special)

ITEM No.	REPLACEMENT DATA		RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA		REMARKS
	Continental PART No.	WORKMAN PART No.		Continental PART No.	WORKMAN PART No.			Continental PART No.	WORKMAN PART No.	
R22			2200 8W							

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA		STANCOR PART No.	MILLER PART No.	WORKMAN PART No.	NOTES
		Continental PART No.	MERIT PART No.				
L1	19KC Doubler						
L2	38KC Interstage						
L3	67KC Trap						

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA		STANCOR PART No.	THORNDARSON PART No.	TRIAD PART No.	NOTES
	PRI. SEC.	Continental PART No.	MERIT PART No.				
T1	25000 6-8Ω		A-4097①		22905		① Drill new mounting hole(s).

SPEAKER

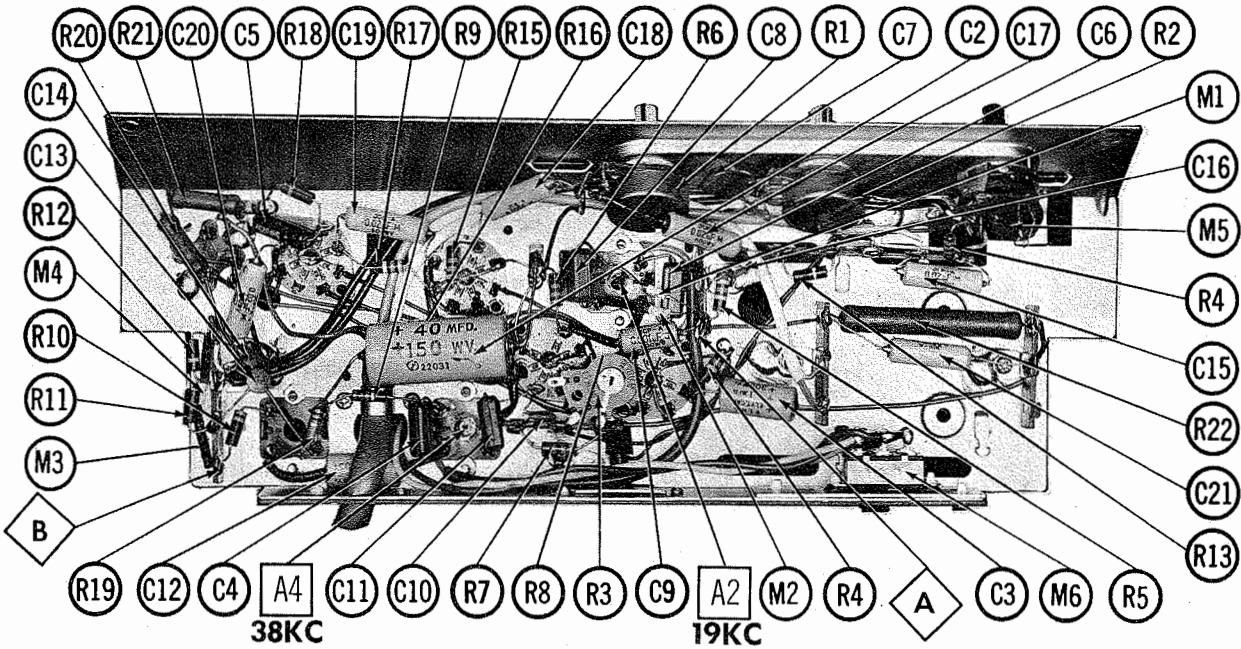
ITEM No.	TYPE	REPLACEMENT DATA		QUAM PART No.	NOTES
		Continental PART No.	Continental PART No.		
SP1	4" PM 8-8Ω		4407Z8		

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Doubler	IN60	
M2	Doubler	IN60	
M3	MPX Detector	IN60	
M4	MPX Detector	IN60	
M5	Switch	Selector Phasing	
M6	Switch	Speaker Phasing	

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord	Use BELDEN No. 8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type)	Use BELDEN No. 17006 (Plastic) or 17128 (Rubber) - 6 Ft. Use BELDEN No. 17009 (Plastic) or 17129 (Rubber) - 9 Ft. Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)



The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed.

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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DATE 9-63 SET 656 FOLDER 5

CONTINENTAL  
MODEL FM-774

SET 656 FOLDER 5

PHOTOFACT® Folder



CONTINENTAL  
MODEL FM-774





TRADE NAME	Continental Model FM-774
SUPPLIER	Continental Merchandise Co., Inc., Transistor Products Div., 236 Fifth Avenue, New York 1, N. Y.
TYPE SET	Externally Powered 4 Tube FM Stereo Companion Unit

ALIGNMENT INSTRUCTIONS

FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (±.0001%) ACCURACY

High side to MPX input, low side to ground.  
Suggested Alignment Tools: GENERAL CEMENT #8290, 8868, 9087

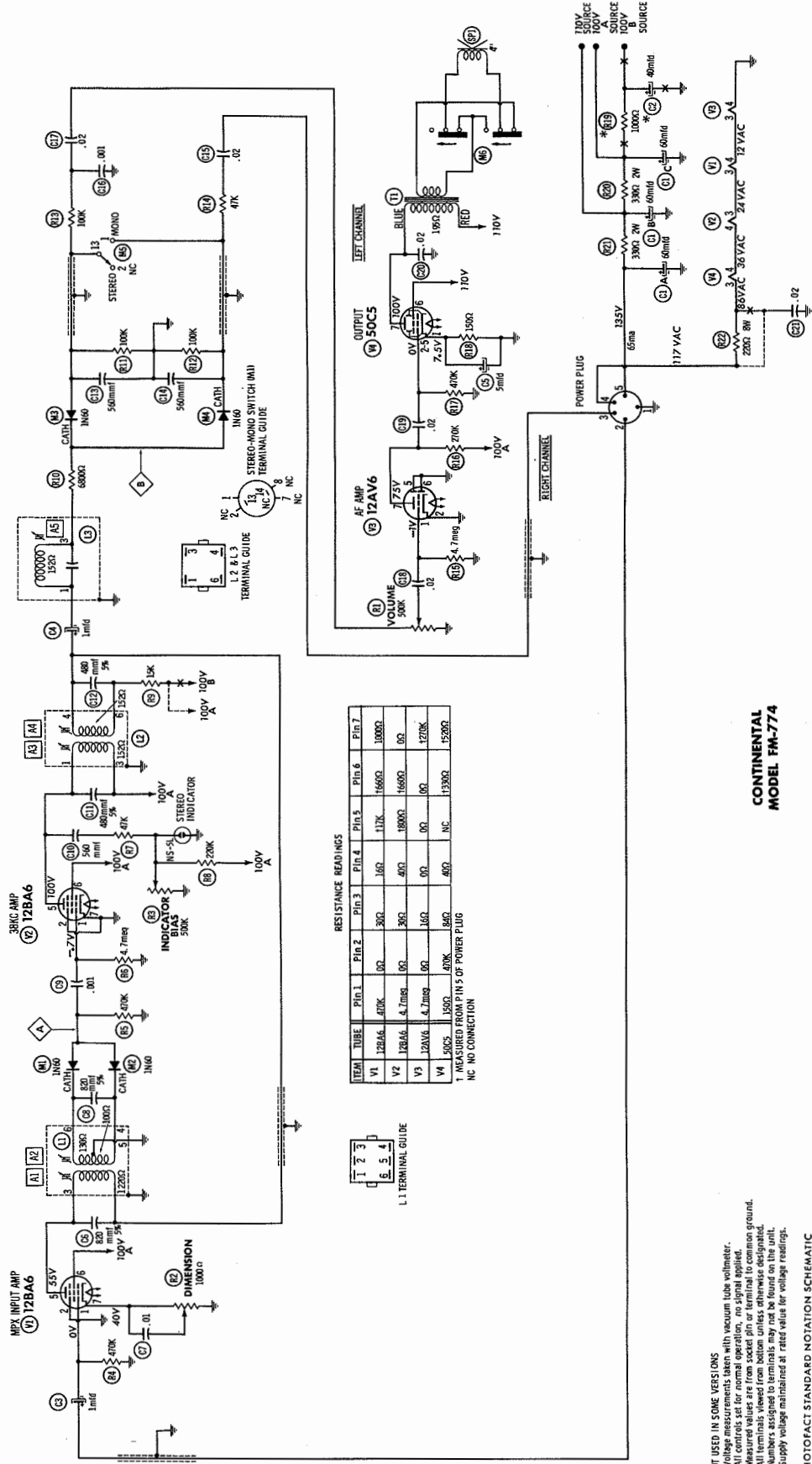
WALSCO #2510, 2546, 2547

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
19KC	Vert. Amp. of scope to point  , low side to ground.		A1, A2	Adjust for maximum. Set scope to lock in 2 cycles of 19KC waveform.
"	Vert. Amp. to point  , low side to ground.		A3, A4	Adjust for maximum 4-cycle waveform.
67KC	"		A5	Use Audio Oscillator if necessary. Adjust for MINIMUM

To align multiplex section using an air signal, first make sure FM section is properly aligned. Tune in a strong FM stereo signal. Follow steps 1 thru 3 above except in step 3 adjust to eliminate whistle or interference.

CONTINENTAL  
MODEL FM-774

SET 656 FOLDER 5



\* NOT USED IN SOME VERSIONS  
1. Voltage measurements taken with vacuum tube voltmeter.  
2. All voltage measurements taken with vacuum tube voltmeter.  
3. Measured values are from socket pin or terminal to common ground.  
4. All terminals viewed from bottom unless otherwise designated.  
5. Numbers assigned to terminals may not be found on the unit.  
6. Supply voltage maintained at rated value for voltage readings.

A PHOTOFACT STANDARD NOTATION SCHEMATIC  
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## PARTS LIST AND DESCRIPTION

### TUBES

ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	MPX Input Amp.	12BA6	V3	AF Amp.	12AV6
V2	38KC Amp.	12BA6	V4	Output	50C5

### ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	60 180	7288	CPR-820J	XC3-45.1	FP31L 65A	TVLS-846*
C1B	60 180		DD-561	TD-60-200	TC48	TVLA-1413
C2	40 150		DD-561	TD-40-150	TC586	TVLA-1700
C3	1 300		DD-561	TD-2-150	TY25X5	TVLA-1700
C4	1 300		DD-561	TD-2-150	TY25X5	TVLA-1700
C5	25		DD-561	TD-2-150	TY25X5	TVLA-1700

\* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

### FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C6	820 .01	5%	CPR-820J	XC3-45.1	FP31L 65A	TVLS-846*
C7	820 .01	5%	DD-561	TD-60-200	TC48	TVLA-1413
C8	820 .01	5%	DD-561	TD-40-150	TC586	TVLA-1700
C9	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C10	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C11	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C12	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C13	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C14	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C15	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C16	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C17	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C18	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C19	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C20	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700
C21	820 .01	5%	DD-561	TD-2-150	TY25X5	TVLA-1700

### CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
R1	Volume, Left Ch.	500K	CPR-820J	XC3-45.1	FP31L 65A	TVLS-846*
R2	Dimension	1000Ω	DD-561	TD-60-200	TC48	TVLA-1413
R3	Indicator Bias	500K	DD-561	TD-40-150	TC586	TVLA-1700

\* "NSNAPTR01" Enter size hole

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CONTINENTAL  
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