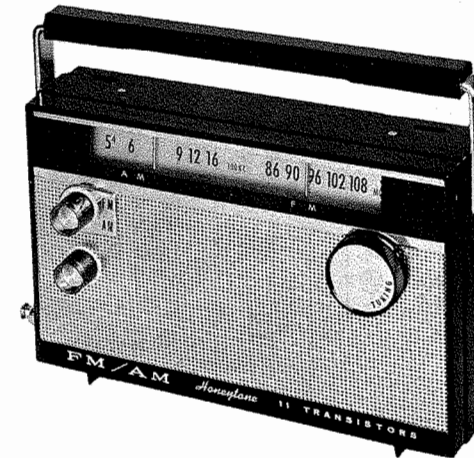


HONEY TONE
MODEL KTF-102G



TRADE NAME	Honey Tone Model KTF-102G		
SUPPLIER	Associated Importers, 1168 Battery Street, San Francisco 11, California		
TYPE SET	Battery Operated 11 Transistor Portable AM-FM Receiver		
POWER SUPPLY	6 Volts DC	RATING	AM: 8MA@6 Volts DC (No Signal, Min. Volume) 18MA@6 Volts DC (Signal, Normal Volume)
TUNING RANGE — BROADCAST	535 — 1620KC	FM:	12MA@6 Volts DC (No Signal, Min. Volume) 20MA@6 Volts DC (Signal, Normal Volume)

ALIGNMENT INSTRUCTIONS

Use only enough generator output to provide a usable indication.
Suggested Alignment Tools:
A1 thru A11, A13... GENERAL CEMENT #5000, 5003, 5066, 8271, 8272, 8276, 8277, 8290, 8609, 8722, 9150, 9298
WALSCO #2515, 2516, 2518, 2519, 2525, 2541
A12..... GENERAL CEMENT #8282, 8606, 8606-L, 9091
WALSCO #2526, 2541, 2542, 2543, 2544

AM ALIGNMENT

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455KC (Unmod.)	(AM) Tuning gang fully open.	DC VTVM to point \oplus , low side to ground.	A1, A2, A3	Adjust for maximum deflection.
2.	"	1620KC	"	"	A4	"
3.	"	600KC	600KC	"	A5	Adjust for maximum deflection while rocking gang. Repeat step 2.
4.	"	1400KC	1400KC	"	A6	Adjust for maximum deflection.

FM ALIGNMENT

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	High side to Ext. FM Ant. Lead, low side to ground.	10.7MC (Unmod.)	(FM) Tuning gang fully open.	DC VTVM to point \oplus , low side to ground.	A7, A8, A9, A10	Adjust for maximum deflection.
2.	"	"	"	DC VTVM to point \oplus , low side to ground.	A11	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
3.	"	108MC	"	DC VTVM to point \oplus , low side to ground.	A12	Adjust for maximum deflection.
4.	"	104MC	104MC	"	A13	"

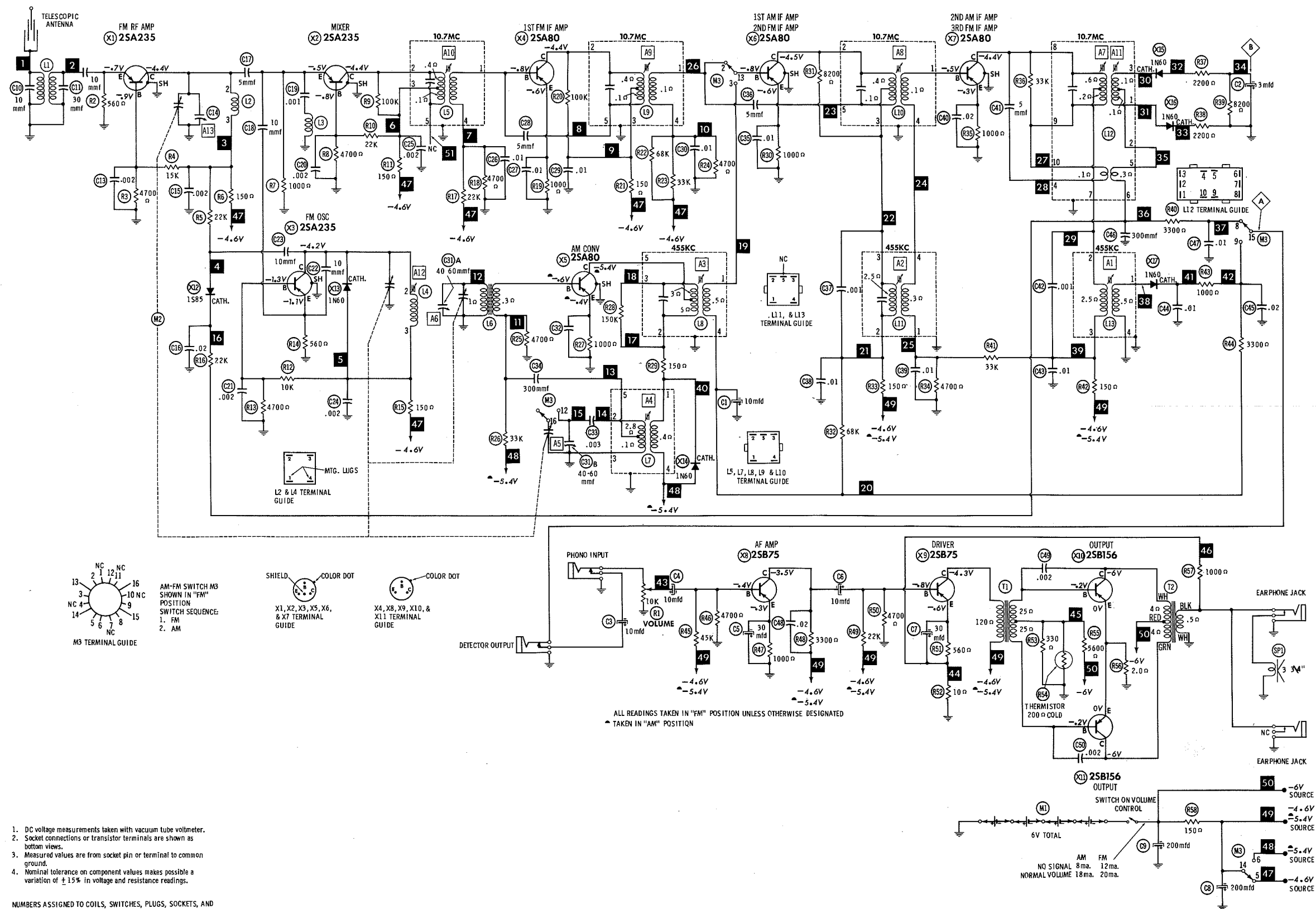
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



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 LK712

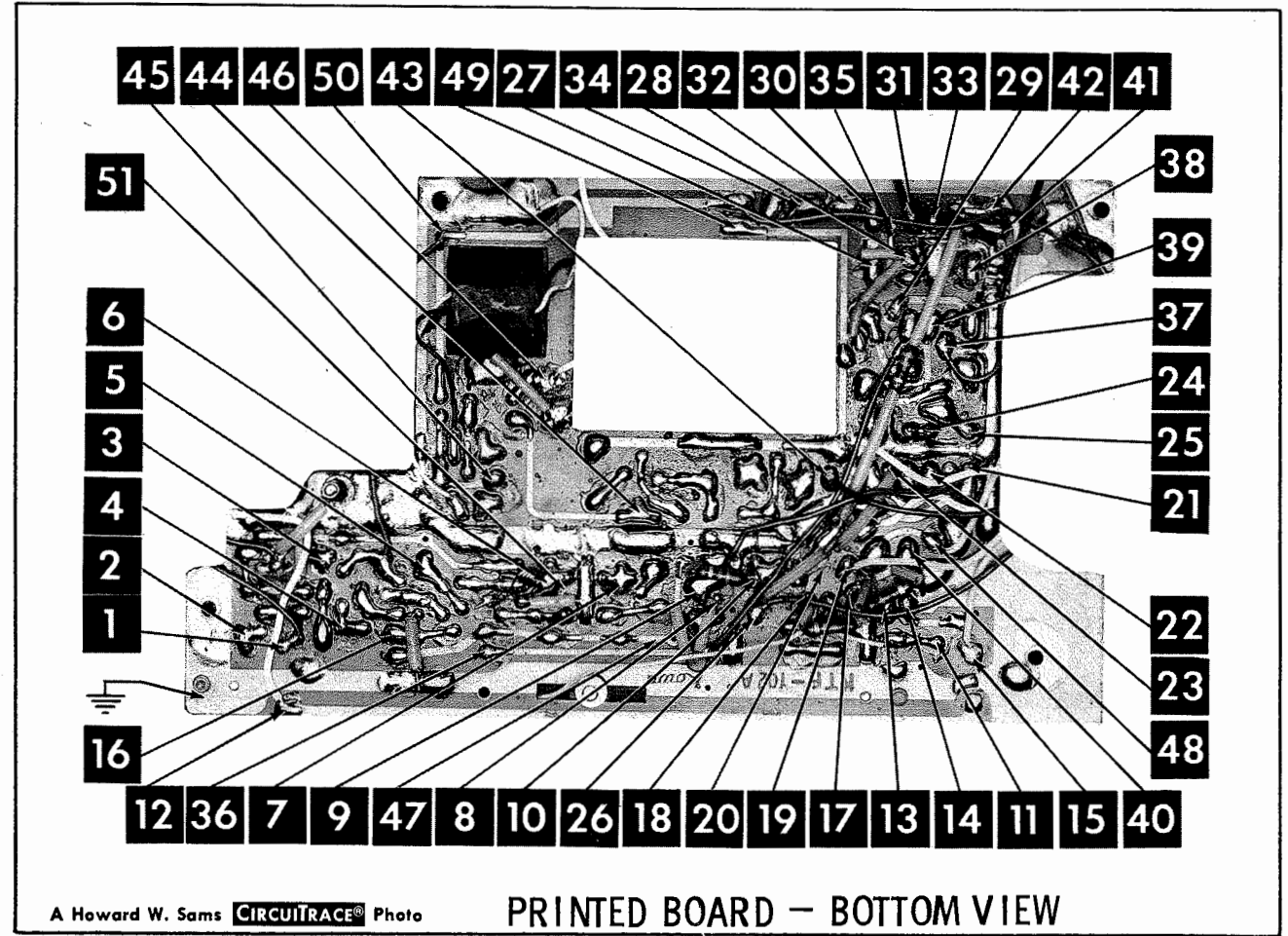
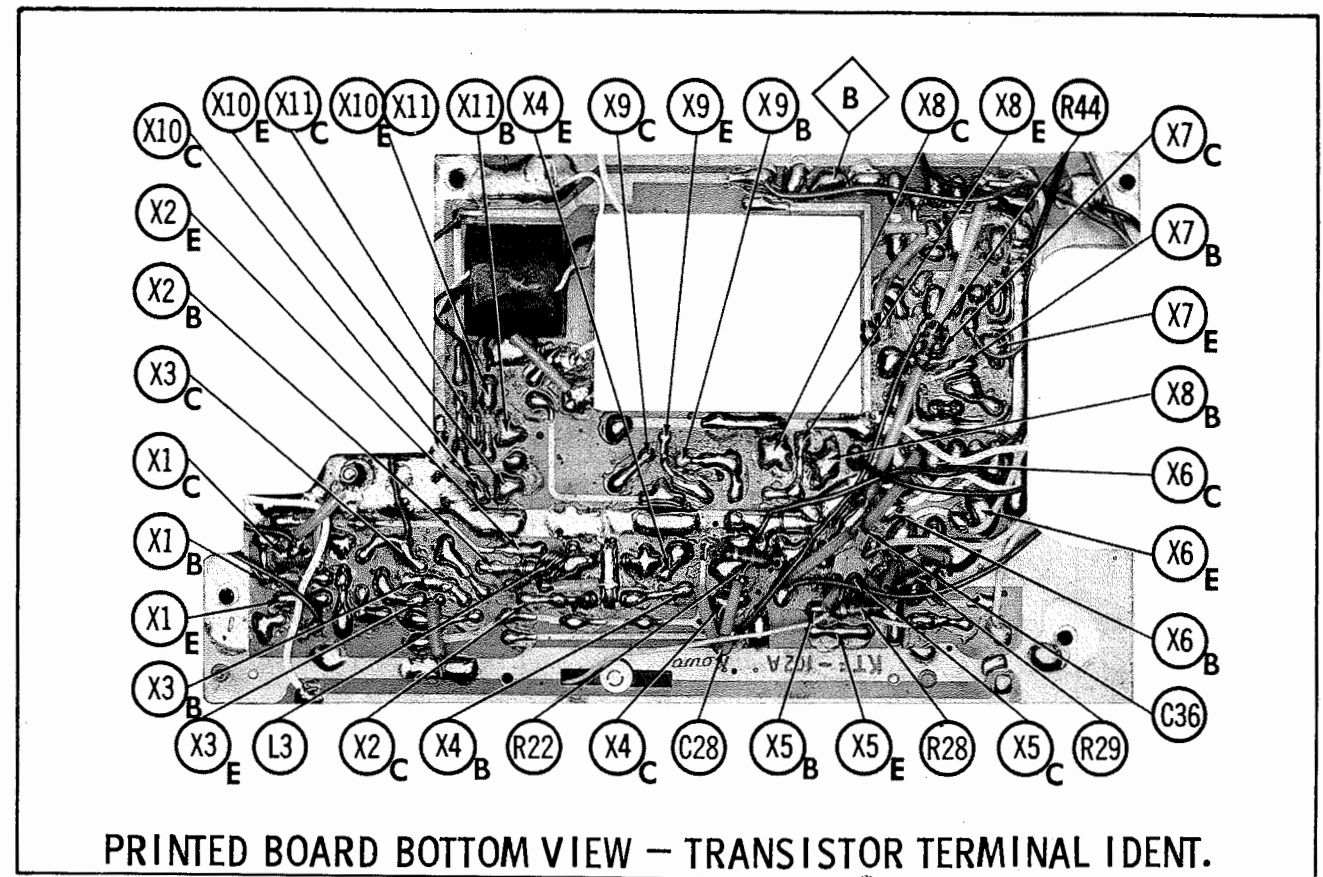
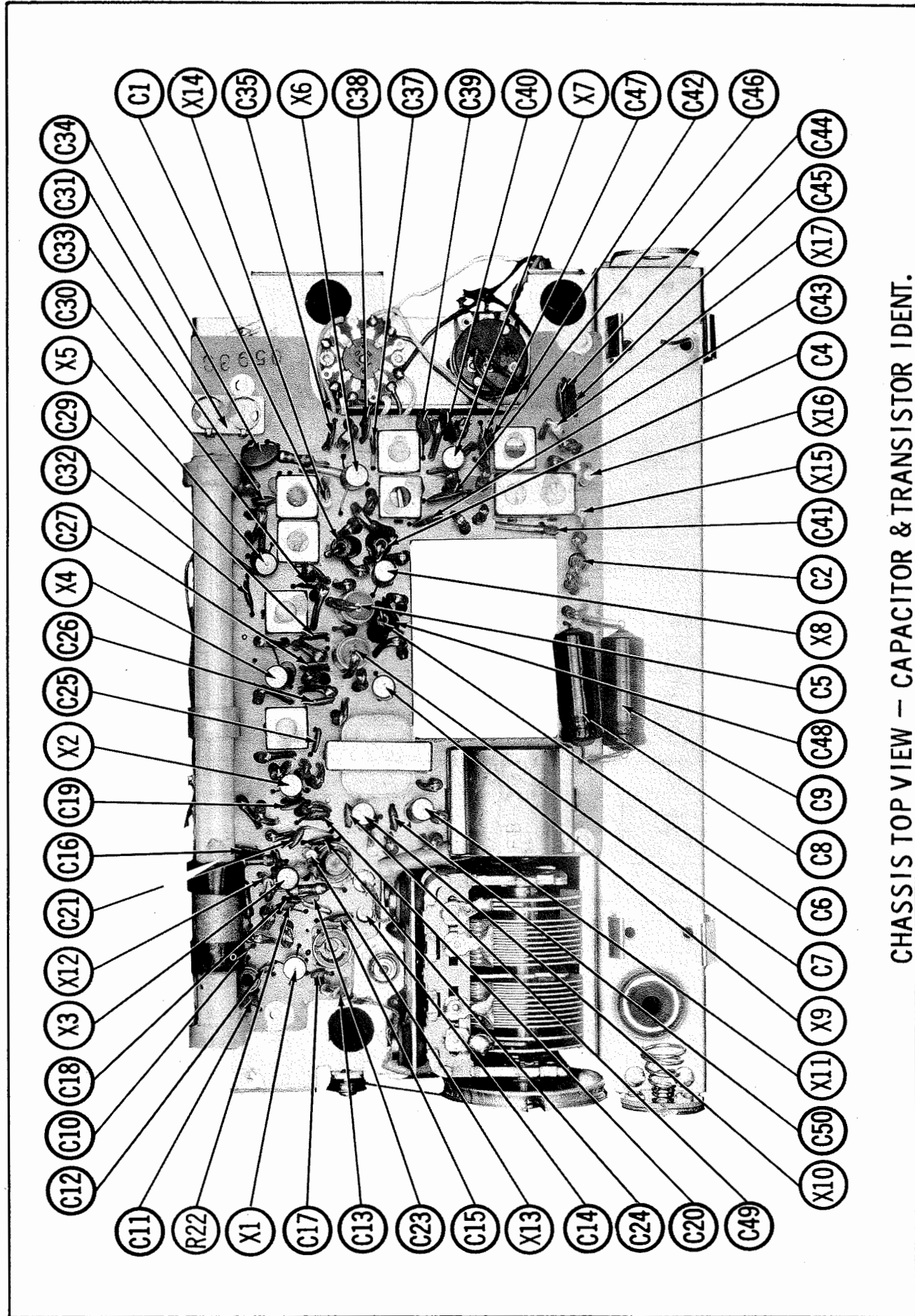
part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. ©1963 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana.

Printed in U.S. of America



HONEY TONE
MODEL KTF-102G

FOLDER 6



PARTS LIST AND DESCRIPTION
WIRING DATA

General-use Unshielded Hook-up Wire	Use Belden No. 8530 (Solid 22AWG)	Available
	8524 (Stranded 22AWG)	in
	8570 (Stranded 28AWG)	12 Colors

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA235	FM RF Amplifier	DS-25	GE-1		PNP
X2	2SA235	FM Mixer	DS-25	GE-1		PNP
X3	2SA235	FM Oscillator	DS-25	GE-1		PNP
X4	2SA80	1st FM IF Amplifier	DS-25	GE-1		PNP
X5	2SA80	AM Converter	DS-25	GE-1		PNP
X6	2SA80	2nd FM-1st AM IF Amp.	DS-25	GE-1		PNP
X7	2SA80	3rd FM-2nd AM IF Amp.	DS-25	GE-1		PNP
X8	2SB75	AF Amplifier	DS-26	GE-2	2N406	PNP
X9	2SB75	Driver	DS-26	GE-2	2N406	PNP
X10	2SB156	Output	DS-26	GE-2	2N408	PNP
X11	2SB156	Output	DS-26	GE-2	2N408	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS			NOTES
			MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.	
X12		1S85				FM AFC
X13		1N60				FM Overload
X14		1N60				AM Overload
X15		1N60				Ratio Detector
X16		1N60				
X17		1N60				AM Detector

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	HONEY TONE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	10	3		PTT6	NLW10-6	MT1-5	TT3X10	MLV10-3
C2	3	6		PTT20	NLW3-25	MT1-1	TT6X3	MLV2-6
C3	10	3		PTT6	NLW10-6	MT1-5	TT3X10	MLV10-3
C4	10	3		PTT6	NLW10-6	MT1-5	TT3X10	MLV10-3
C5	30	10		PTT43	NLW30-15	MT1-10	TT10X30	MLV25-10
C6	10	6		PTT23	NLW10-6	MT1-5	TT6X10	MLV10-6
C7	30	10		PTT43	NLW30-15	MT1-10	TT10X30	MLV25-10
C8	200	6		PTT31	NLW200-12	MT1-23	TT6X200	MLV200-6
C9	200	6		PTT31	NLW200-12	MT1-23	TT6X200	MLV200-6

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C10	10		DI-10	DD-100	L10Q1	CCD-100	GP-410	10TS-Q10
C11	30		DI-30	DD-300	L10Q3	CCD-300	GP-430	10TS-Q30
C12	10		DI-10	DD-100	L10Q1	CCD-100	GP-410	10TS-Q10
C13	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20
C14								
C15	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20
C16	.02		TTD-02	DDM-203	H05S2		TA-120	TG-S20
C17	5		DI-5	DD-050	L10V5	CCD-050	GP-550	10TS-V50
C18	10		DI-10	DD-100	L10Q1	CCD-100	GP-410	10TS-Q10
C19	.001		DI-1000	DM-102	L10D1	CCD-102	GP-210	10TS-D10
C20	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20
C21	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20
C22	10		DI-10	DD-100	L10Q1	CCD-100	GP-410	10TS-Q10
C23	10		DI-10	DD-100	L10Q1	CCD-100	GP-410	10TS-Q10
C24	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20
C25	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20
C26	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C27	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C28	5		DI-5	DD-050	L10V5	CCD-050	GP-550	10TS-V50
C29	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C30	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C31A	40-60							
C31B	40-60							
C32	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C33	.003		DI-3000	DM-302	L10D3	CCD-302	GP-230	10TS-D30
C34	300		DI-300	DM-301	L10T3	CCD-301	GP-330	10TS-T30
C35	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C36	5		DI-5	DD-050	L10V5	CCD-050	GP-550	10TS-V50
C37	.001		DI-1000	DM-102	L10D1	CCD-102	GP-210	10TS-D10
C38	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C39	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C40	.02		TTD-02	DDM-203	H05S2		TA-120	TG-S20
C41	5		DI-5	DD-050	L10V5	CCD-050	GP-550	10TS-V50
C42	.001		DI-1000	DM-102	L10D1	CCD-102	GP-210	10TS-D10
C43	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C44	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C45	.02		TTD-02	DDM-203	H05S2		TA-120	TG-S20
C46	300		DI-300	DM-301	L10T3	CCD-301	GP-330	10TS-T30
C47	.01		TTD-01	DM-103	H05S1		TA-110	TG-S10
C48	.02		TTD-02	DDM-203	H05S2		TA-120	TG-S20
C49	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20
C50	.002		DI-2000	DM-202	L10D2	CCD-202	GP-220	10TS-D20

PARTS LIST AND DESCRIPTION (CONTINUED)

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA			
			HONEY TONE PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.
R1	Volume & Switch	10K	(35,12)			

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		HONEY TONE PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	FM Ant.						
L2	FM RF						
L3	Choke						
L4	FM Osc.						
L5	1st FM IF	FB300					
L6	AM Loopstick						
L7	AM Osc.						
L8	1st AM IF	FB303					
L9	2nd FM IF	FB300					
L10	3rd FM IF	FB300					
L11	2nd AM IF	FB304					
L12	Discriminator	FB302					
L13	3rd AM IF	FB305					

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO	REPLACEMENT DATA					NOTES
		HONEY TONE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	1.2	1	FB330				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA					NOTES
		HONEY TONE PART No.	MERIT PART No.	STANCOR PART No.	Thordarson PART No.	Triad PART No.	
T2	250Ω CT	6-8Ω					

SPEAKER

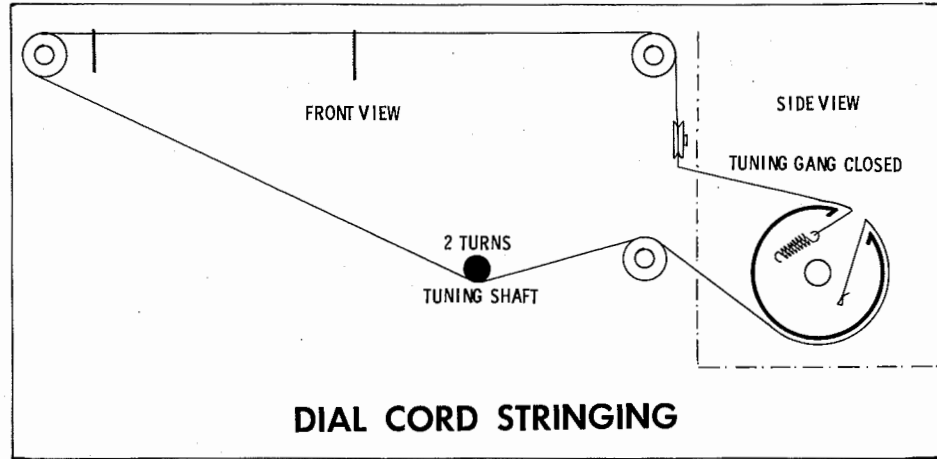
ITEM No.	TYPE			REPLACEMENT DATA		NOTES
	SIZE	FIELD	V. C. IMP.	HONEY TONE PART No.	QUAM PART No.	
SP1	3 3/4"	PM	6-8Ω		3A0T28	

BATTERIES

ITEM No.	VOLTAGE	HONEY TONE PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	1½V		130	635	M-14R	4 Required

MISCELLANEOUS

ITEM No.	PART NAME	HONEY TONE PART No.	NOTES
M2	Tuning Cap.	YB-31	4 Gang
M3	Switch		Band Selector (Rotary Wafer Type)



HONEY TONE
MODEL KTF-102G

FOLDER 6