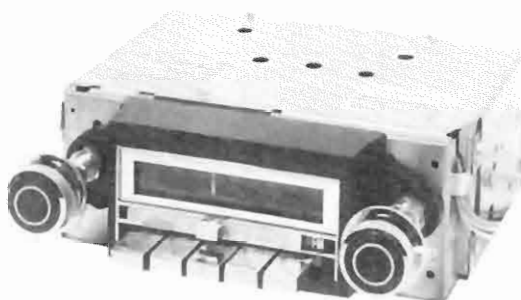




# PHOTOFACT<sup>®</sup> with

# CIRCUITRACE<sup>®</sup>

For Supplier Address See PHOTOFACT Index



## AUTOMATIC CUSTOM SERIES (1973-74)

BUX-4485 (74 BUICK)	MEX-4497 (74 MERCURY)
CCX-4445 (74 CAPRICE)	MUX-4453 (74 MUSTANG II)
CEX-4471 (74 CENTURY)	MXV-4493 (73 MERCURY)
CHX-4463 (74 CHEVROLET)	MXV-3493B (73 MAVERICK)
CKX-4489 (74 CHEVROLET TRUCK)	OLX-4483 (74 OLDSMOBILE)
CSX-4479 (74 CUTLASS)	OPX-4472
CVX-4481 (74 CHEVELLE)	PIX-4495 (74 PINTO)
CXP-3413	POX-4455 (74 PONTIAC)
FBX-4460	PXC-3455B (73 PONTIAC)
FKX-4499	RRX-4446
FOX-4451 (74 FORD)	TDX-4477
FXP-3451B (73 FORD)	TRX-4491 (74 TORINO)
GPX-4459 (74 GRAND PRIX)	TXP-3491B (73 CYCLONE, MONTEGO, 73 TORINO)
GXP-3459B (73 GRAND PRIX)	VAX-4443
HRX-4444	VEX-4457 (74 VEGA)
IXP-3445B (73 IMPALA, CAPRICE)	XTP-3487B (73 LEMANS)
LMX-4487 (74 LEMANS)	

AUTOMATIC CUSTOM SERIES

**HOWARD W. SAMS & CO., INC.** Indianapolis, Indiana 46206

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4AN572

## ALIGNMENT INSTRUCTIONS

Check for specified source voltage.  
Use only enough generator output  
to provide a usable indication.  
Suggested Alignment Tools:

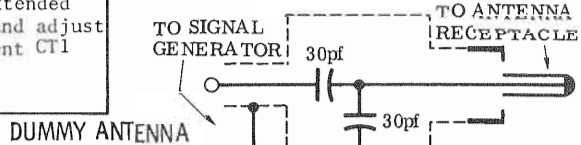
GC ELECTRONICS  
ALL . . . . .8290, 8868, 9087

### PUSH-BUTTON ADJUSTMENT

1. Pull button out.
2. Tune manually to desired station.
3. Press button in firmly.
4. Repeat for remaining buttons.

GENERATOR COUPLING	GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
High side thru .1mf to point A low side to ground.	262 kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T1,T2	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	CT1, CT2A, CT2B	"

With radio installed in car and antenna extended 33", tune in a weak station near 1400kHz and adjust CT1 for maximum output. Antenna adjustment CT1 is located on rear right bottom corner.



### FM IF ALIGNMENT USING AM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001mf to point A low side to ground.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz Unmodulated	Point of non-interference	DC probe of VTVM to point B common to ground.	T1,T2	Adjust for maximum.

### FM RF ALIGNMENT—SELECTOR IN FM POSITION

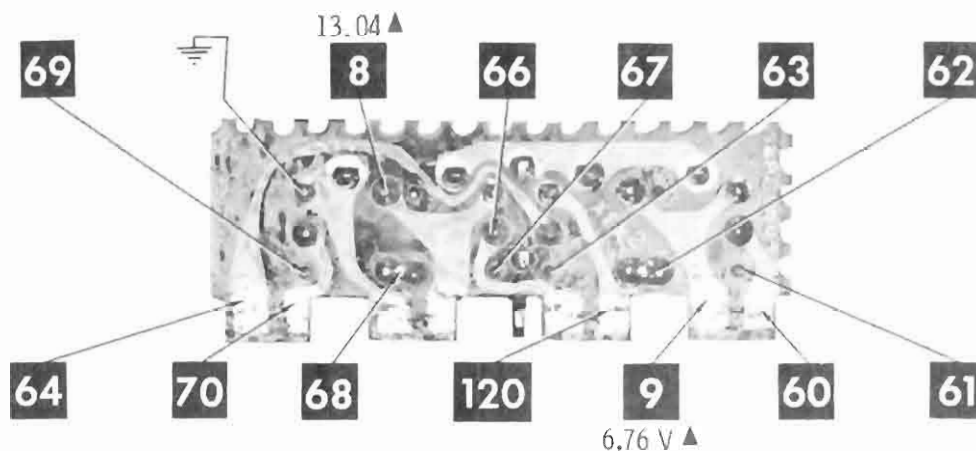
Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead. Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
108 MHz Unmodulated	Tune to signal	DC probe of VTVM to point B common to ground.	C5,C8,C19	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

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

High side of generator thru 47K to point B low side to ground.

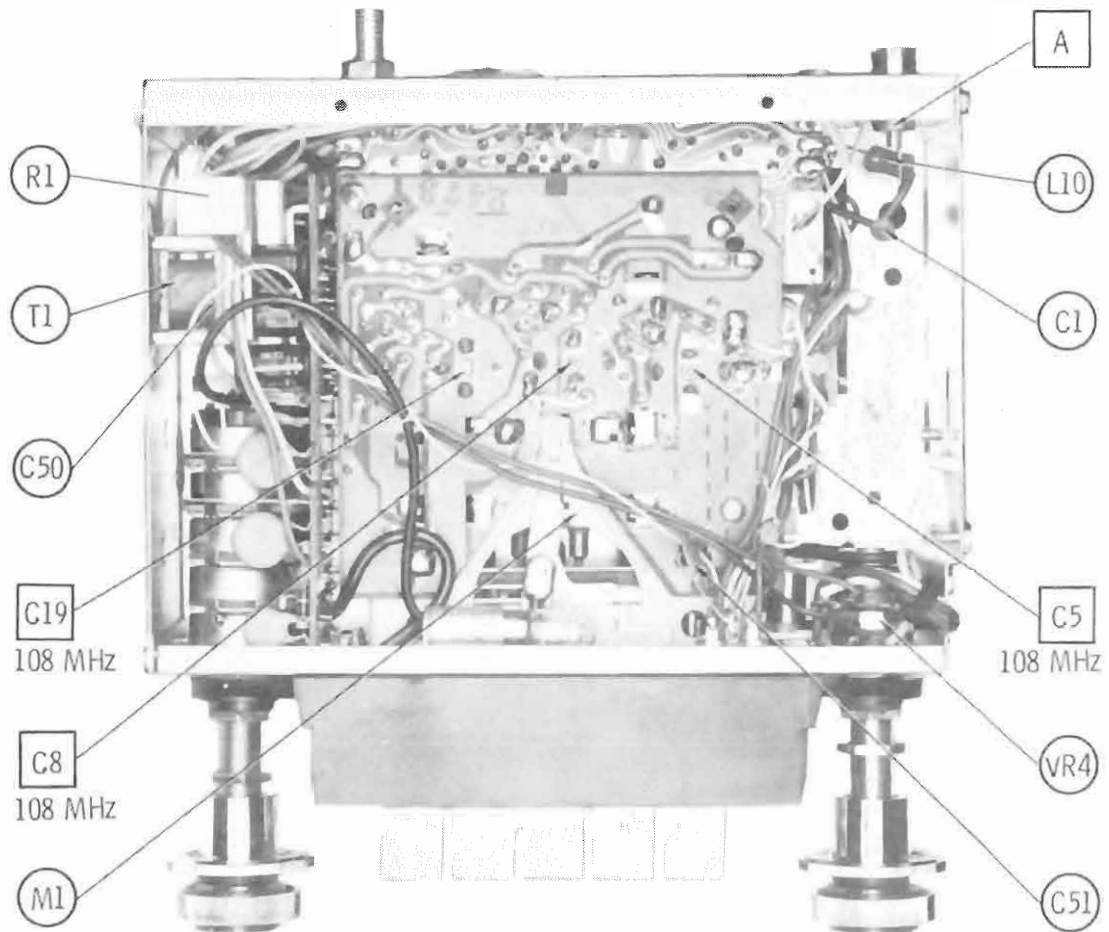
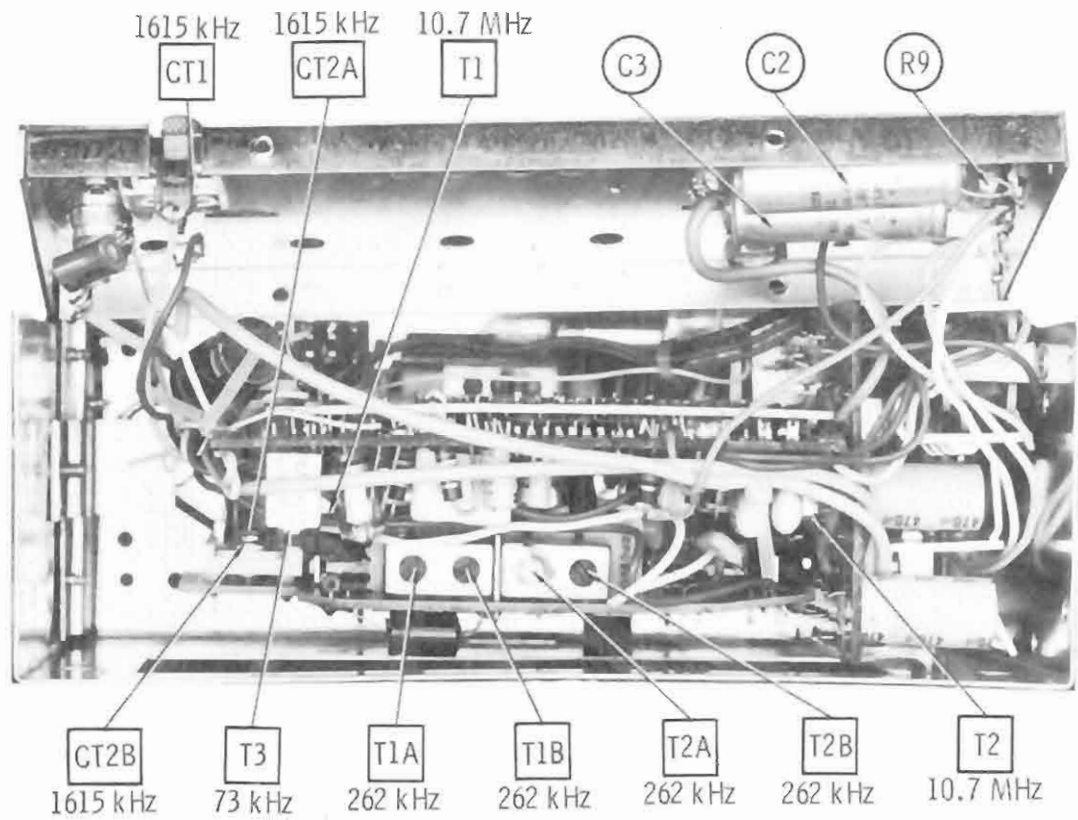
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
Modulated Left Channel	Vert input of scope to point C low side to ground.	T3	Adjust for MINIMUM. This step should require only slight adjustment.
Modulated Right Channel	Vert input of scope to point D low side to ground.		Check for MINIMUM. If necessary, make compromise adjustment of T3.

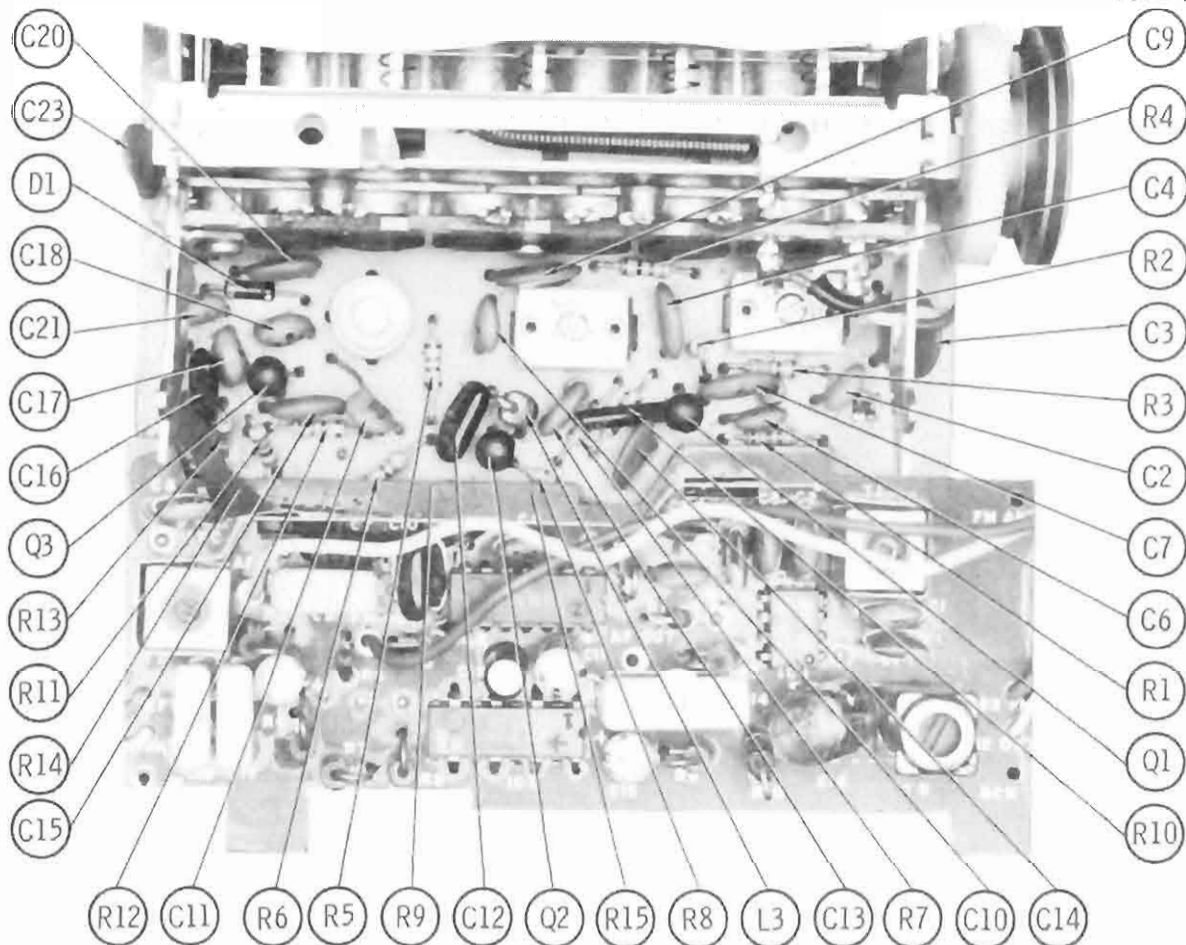
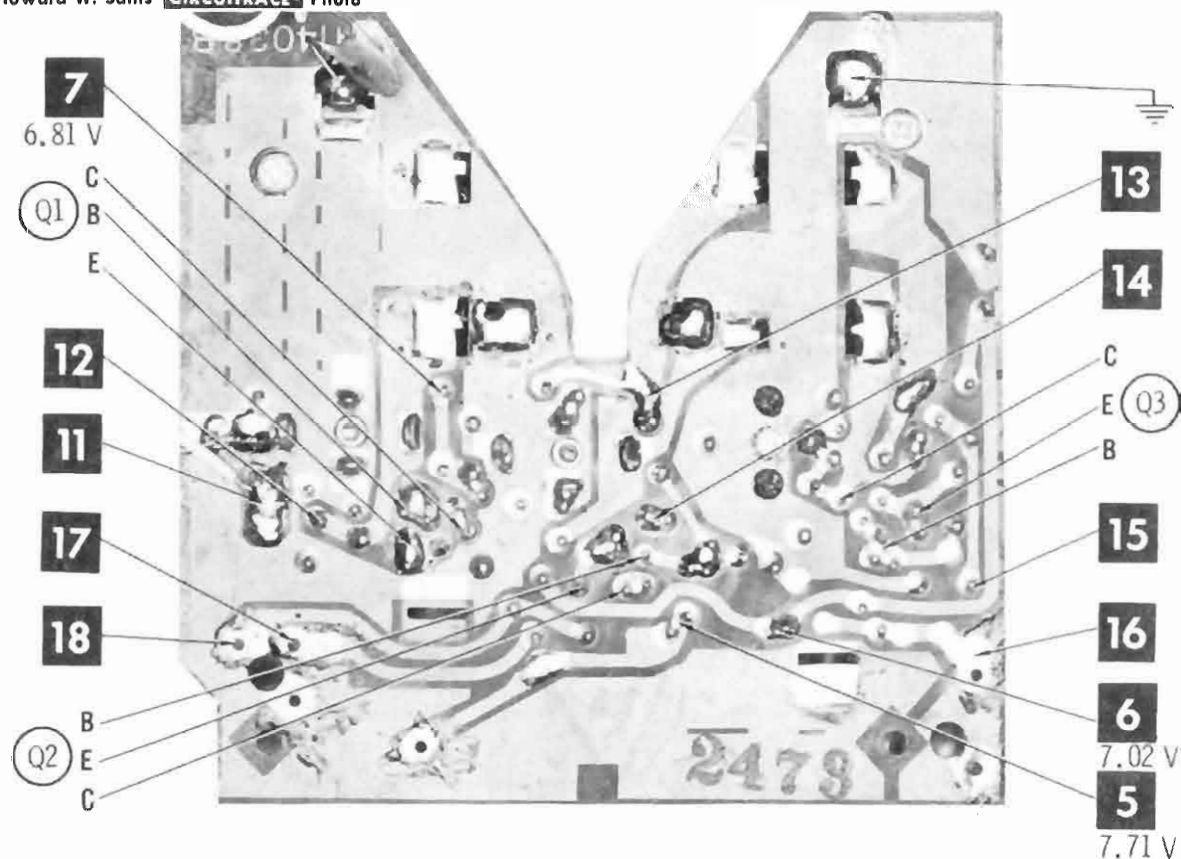


▲ Measured in AM position.

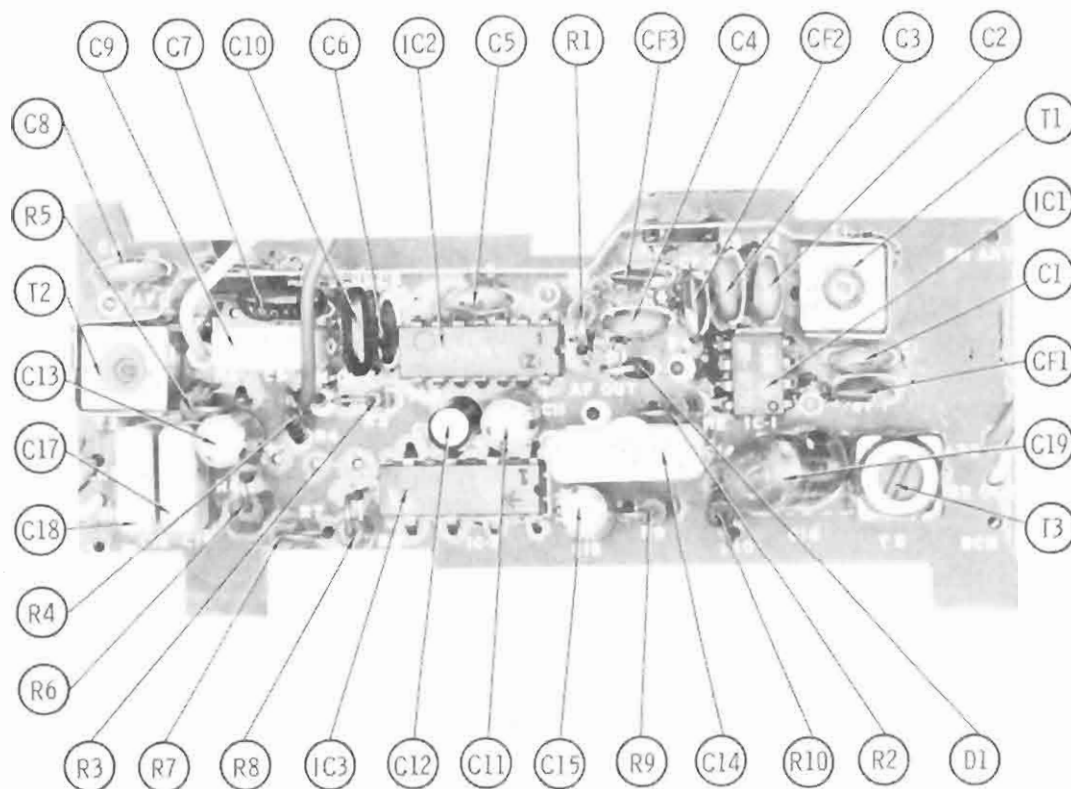
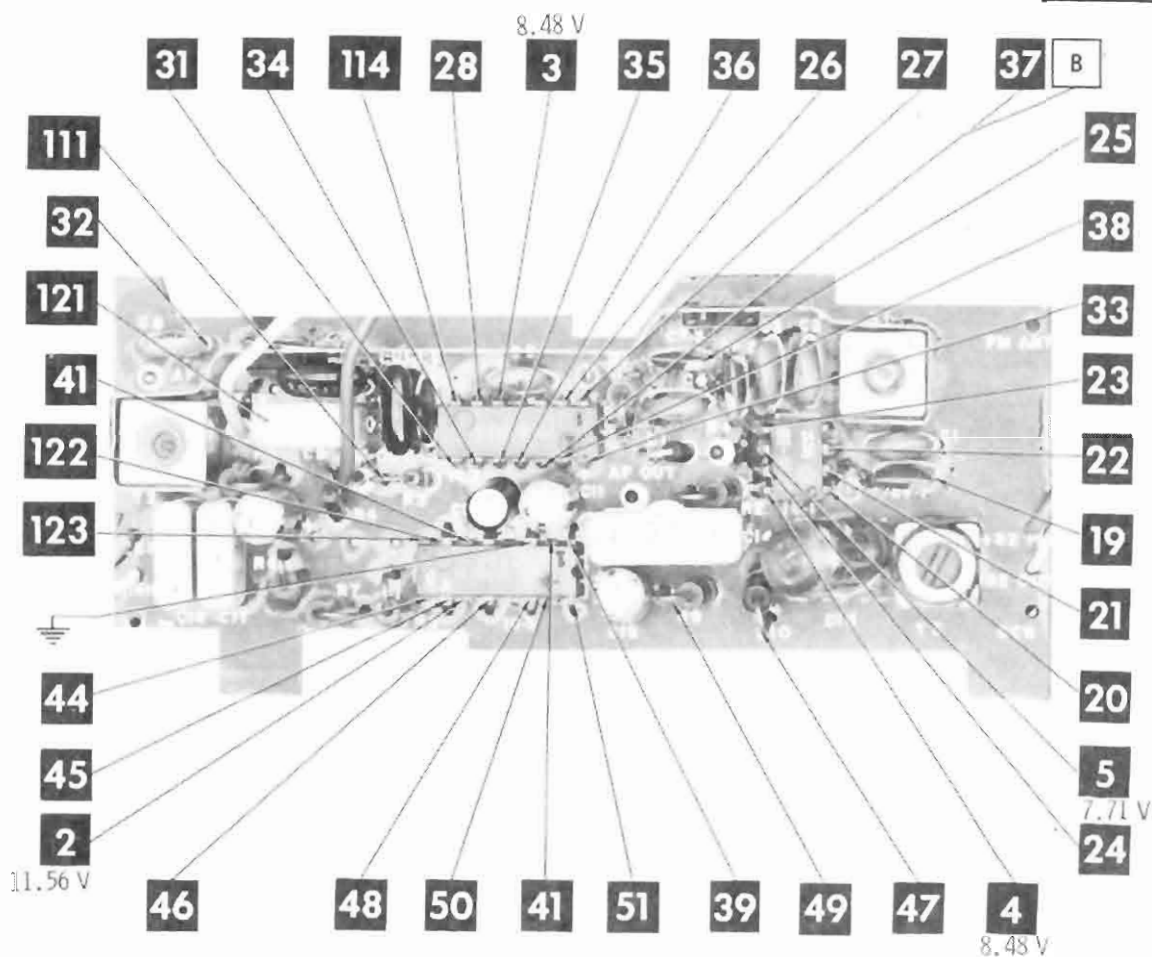
A Howard W. Sams CIRCUITRACE Photo

AM IF BOARD NO. 58PC9604

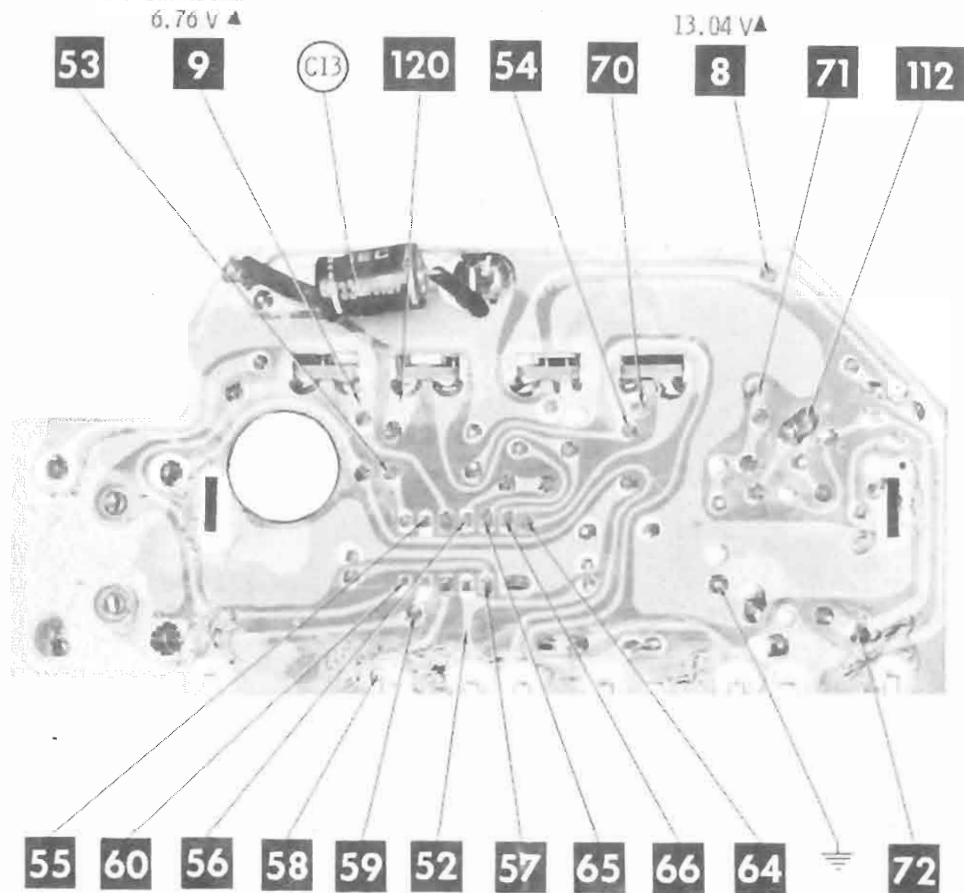




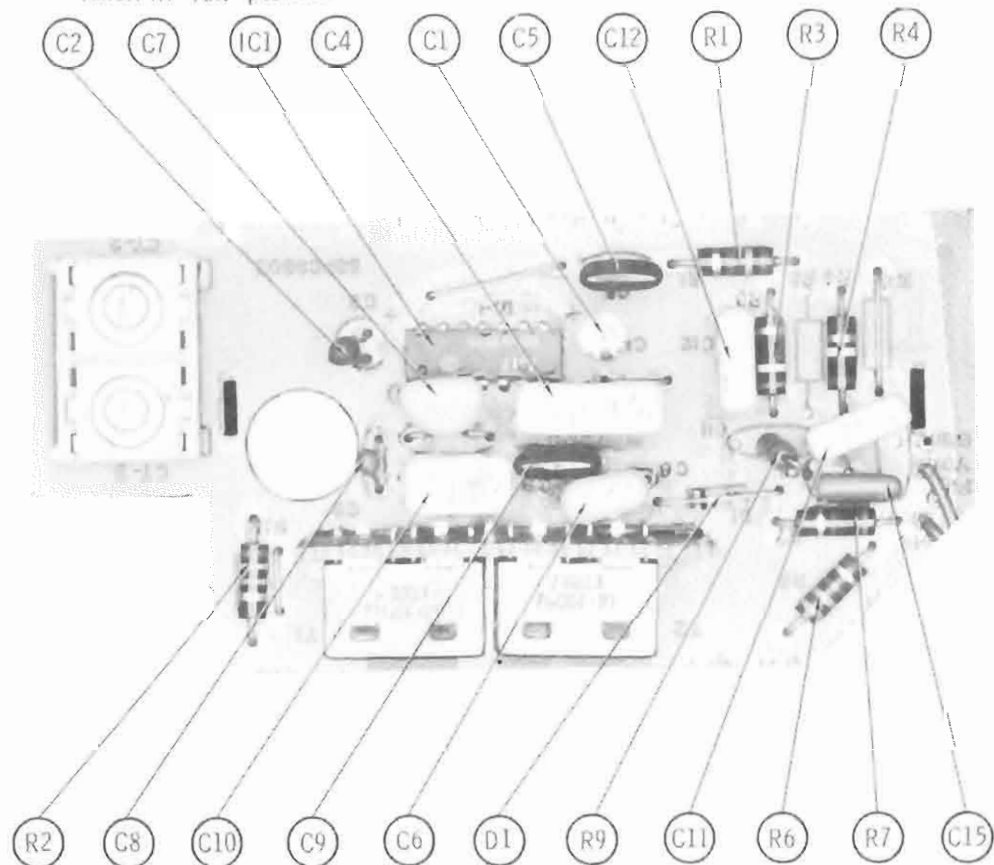
FM TUNER BOARD NO. 114038B



FM IF-MPX BOARD NO. 58PC0648

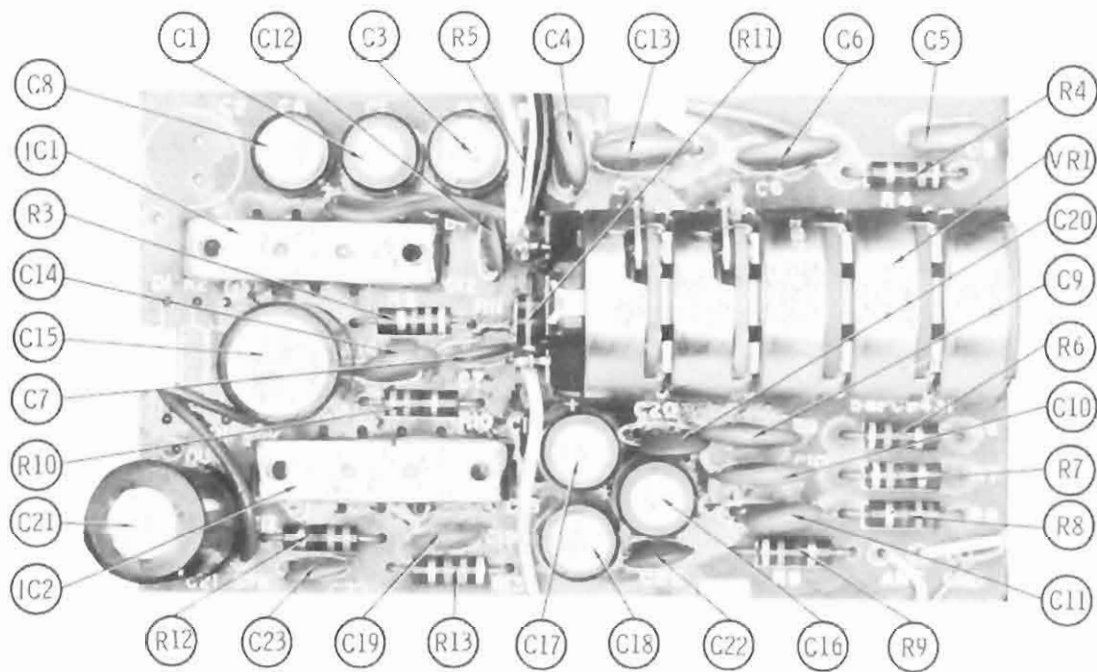
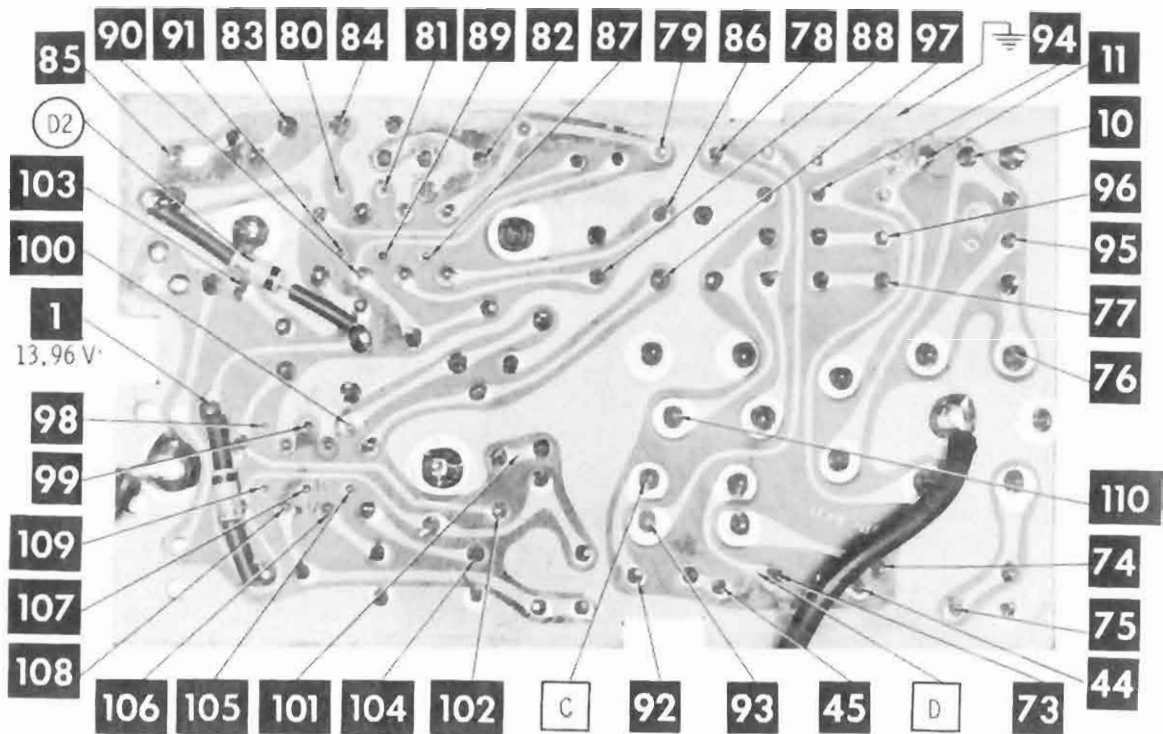


▲ Taken in "AM" position

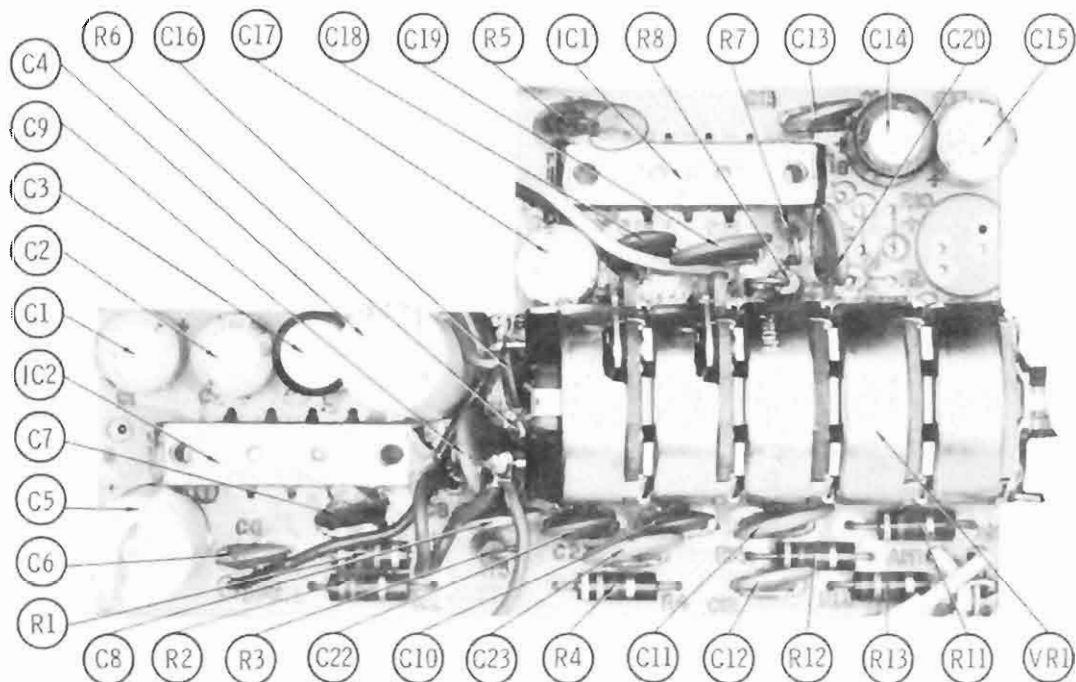
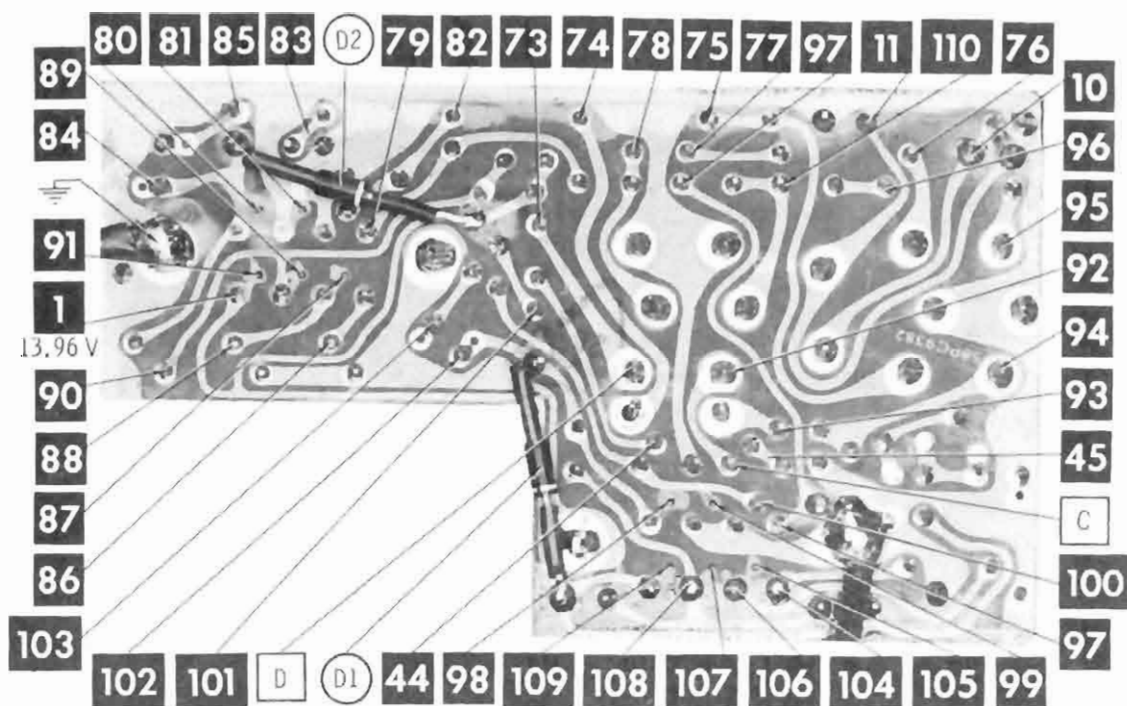


AM RF-CONV. BOARD NO. 58PC9503





AUDIO BOARD NO. 58PC9431



AUDIO BOARD NO. 58PC9382



## PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.  
Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

### WIRING DATA

General-use Unshielded Hook-up Wire .....	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Shielded Hook-up Wire .....	Use BELDEN No. 8885
Rear Seat Speaker Extension Cable .....	Use BELDEN No. 8782 (Stranded) Coded Parallel Leads
Bonding Strap .....	Use BELDEN No. 8661 (3/8 In.) or 8670 (3/4 In.)

### SEMICONDUCTORS

ITEM No.	TYPE / MFR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
FM Tuner BOARD #1140388								
D1	1N3182	GE-90 (8)	D201 (8)		HEPR2503(8)	SK3126 (8)		
Q1	2N3563	GE-11	TR-83	PTC133	HEP720	SK3019	RT108	ECG 108
Q2	2N3563	GE-11	TR-83	PTC133	HEP720	SK3019	RT108	ECG 108
Q3	2N3563	GE-11	TR-83	PTC133	HEP720	SK3019	RT108	ECG 108
FM IF MPX BOARD #58PC0648								
D1	201A0723 (8-9 V Zener)	GE-X11	Z1208	ZB8.2	HEPZ0411	SK3059	RT239	ECG 5072
IC1	88-9779							
IC2	88-9842R							
IC3	88-9841R							
AM BOARD #58PC9603								
D1	1G0-2							
IC1	88-9302 (88-98302)							
Audio Output BOARD #58PC9431 (58PC9382)								
D1	1SD-2	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D2	1SD-2	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
IC1	TBA641811 (1) / 88-9132							
IC2	TBA641811 / 88-9132							

(1) Number on unit.

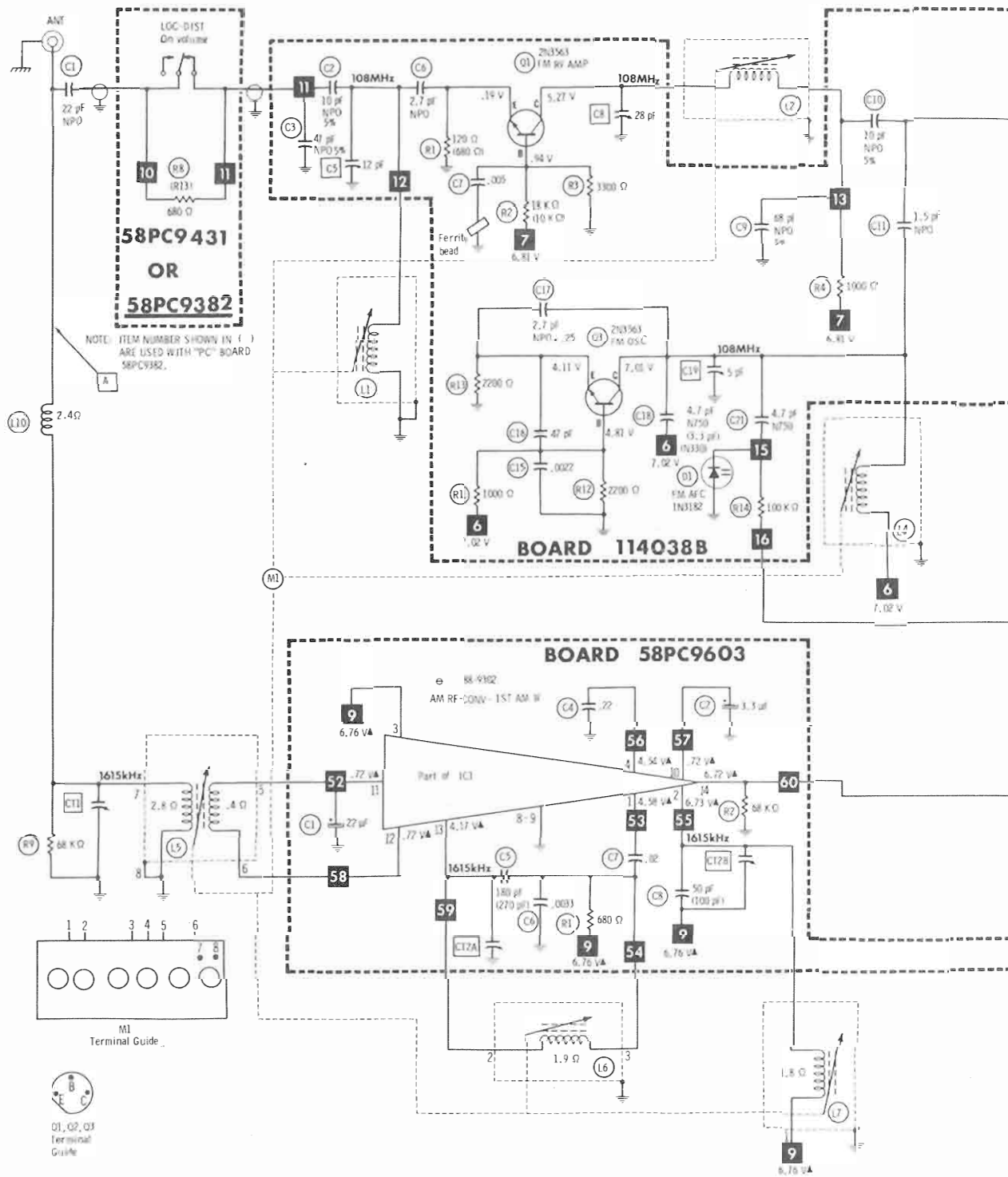
(8) Varactor.

### ELECTROLYTIC CAPACITORS

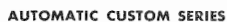
ITEM No.	RATING	REPLACEMENT DATA					
		MFR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
FM IF - MPX BOARD NO. 58PC0648							
C11	1 50V		RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C12	4.7 15V		RME-A-E-005	EP15-5	PC5-50	VTT4R7A50	EV-1319
C13	1 50V		RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C15	1 50V		RME-A-J-001	EP50-1	PC1-50	MTV1CB50	EV-1615
C16	1000 15V		ME-G1000	EA15-1000	WBR1000-16	MTA1000G25	TVA-1163
AM RF CONV BOARD NO. 59PC9603							
C1	22 16V		ME-3-G-020	EP15-25	PC20-50	VTT22A16	EV-1224
C2	3.3 16V					TDC335M015EL	SD15-3E39
C13	33 16V		ME-3-E-035	EA15-25	WBR35-50	MTA30015	TVA-1149.1
AUDIO BOARD NO. 59PC9431							
C1	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C3	220 6V		ME-6-B-200	EP6-250	PC200-10	MTV200DB10	EV-1140
C8	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C15	500 16V		RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
C16	220 6V		ME-6-B-200	EP6-250	PC200-10	MTV200DB10	EV-1140
C17	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C18	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C21	500 16V		RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
AUDIO BOARD NO. 58PC9382							
C1	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C2	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C3	220 6V		ME-6-B-200	EP6-250	PC200-10	MTV200DB10	EV-1140
C4	500 15V		RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
C5	500 15V		RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
C14	220 6V		ME-6-B-200	EP6-250	PC200-10	MTV200DB10	EV-1140
C15	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
C17	100 10V		RME-E-D-100	EP15-100	PC100-10	MTV100CB10	EV-1130
CHASSIS							
C2	1000 15V		ME-G1000	EA15-1000	WBR1000-16	MTA1000G25	TVA-1163
C3	1000 15V		ME-G1000	EA15-1000	WBR1000-16	MTA1000G25	TVA-1163

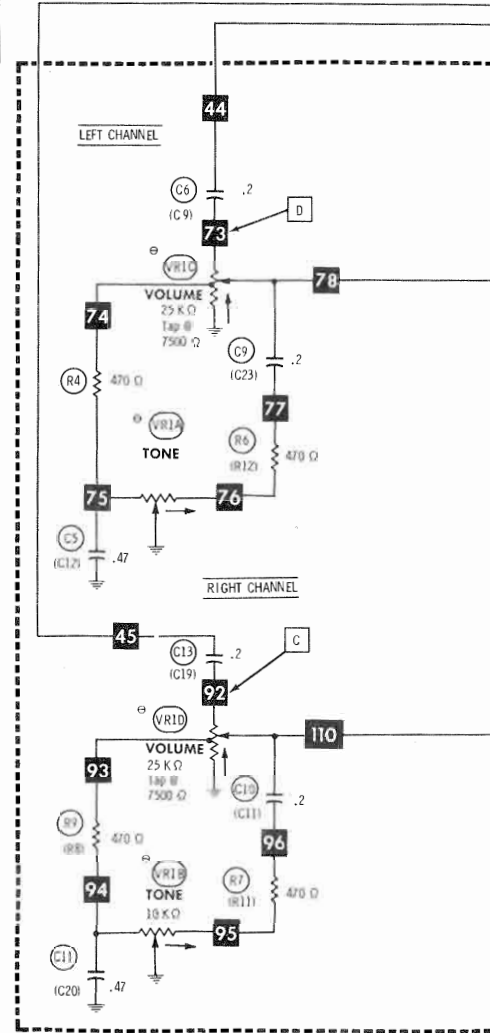
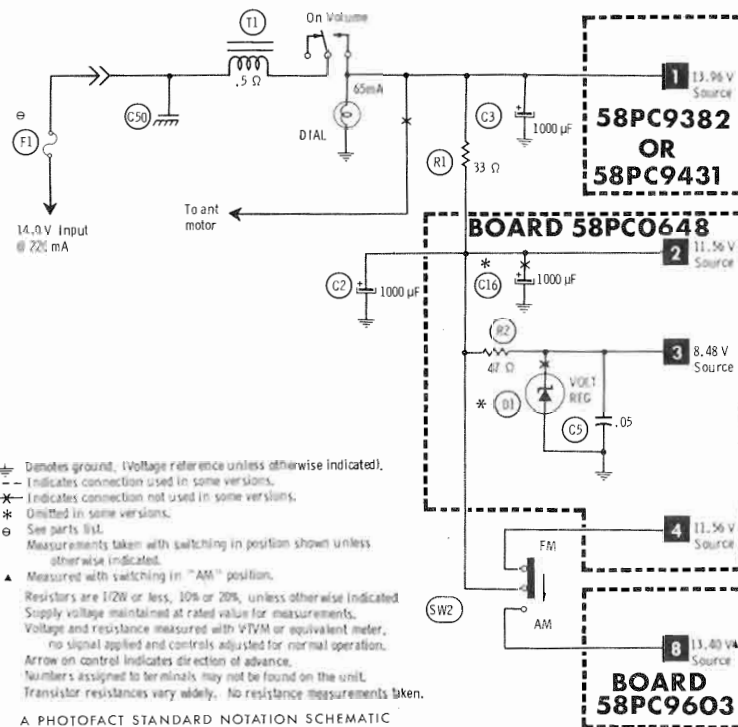
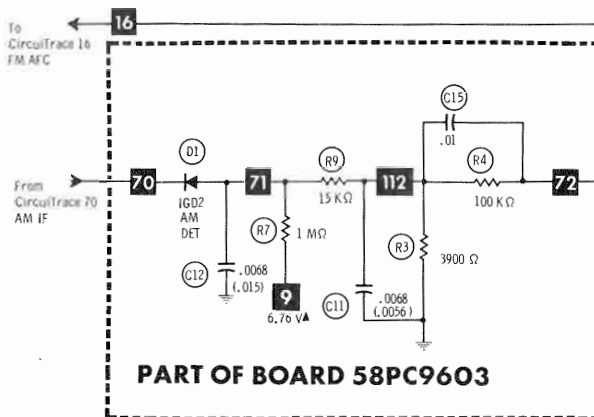
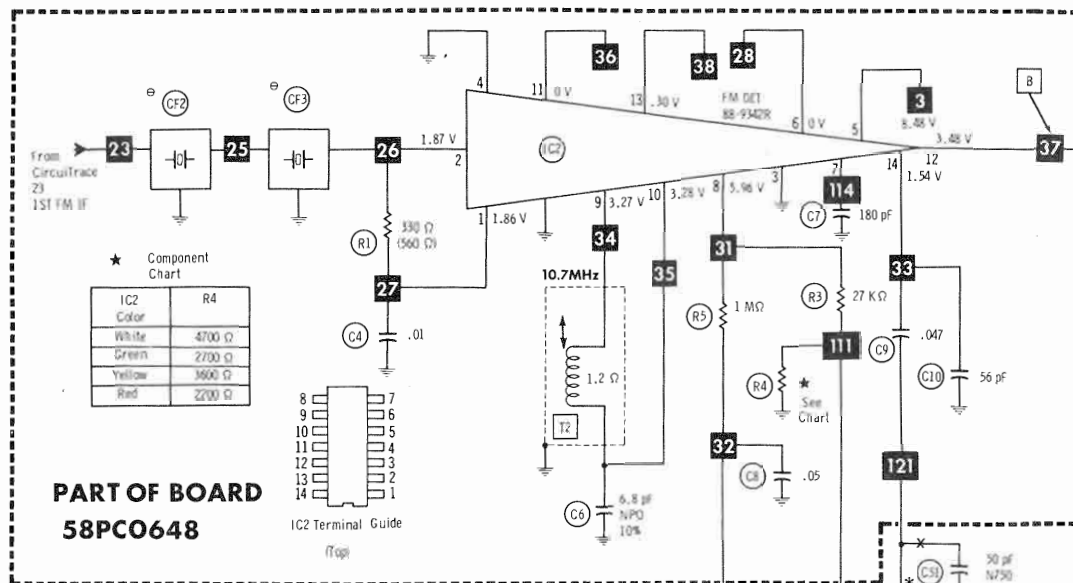
(CONTINUED ON PAGE 44)

AUTOMATIC CUSTOM SERIES



A PHOTOFAC STANDARD NOTATION SCHEMATIC  
with **CircuitMaker**  
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Denotes ground, (Voltage reference unless otherwise indicated).

Indicates connection used in some versions.

Indicates connection not used in some versions.

Omitted in some versions.

See parts list.

Measurements taken with switching in position shown unless otherwise indicated.

Measured with switching in "AM" position.

Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.

Supply voltage maintained at rated value for measurements.

Voltage and resistance measured with VTVM or equivalent meter, no signal applied and controls adjusted for normal operation.

Arrow on control indicates direction of advance.

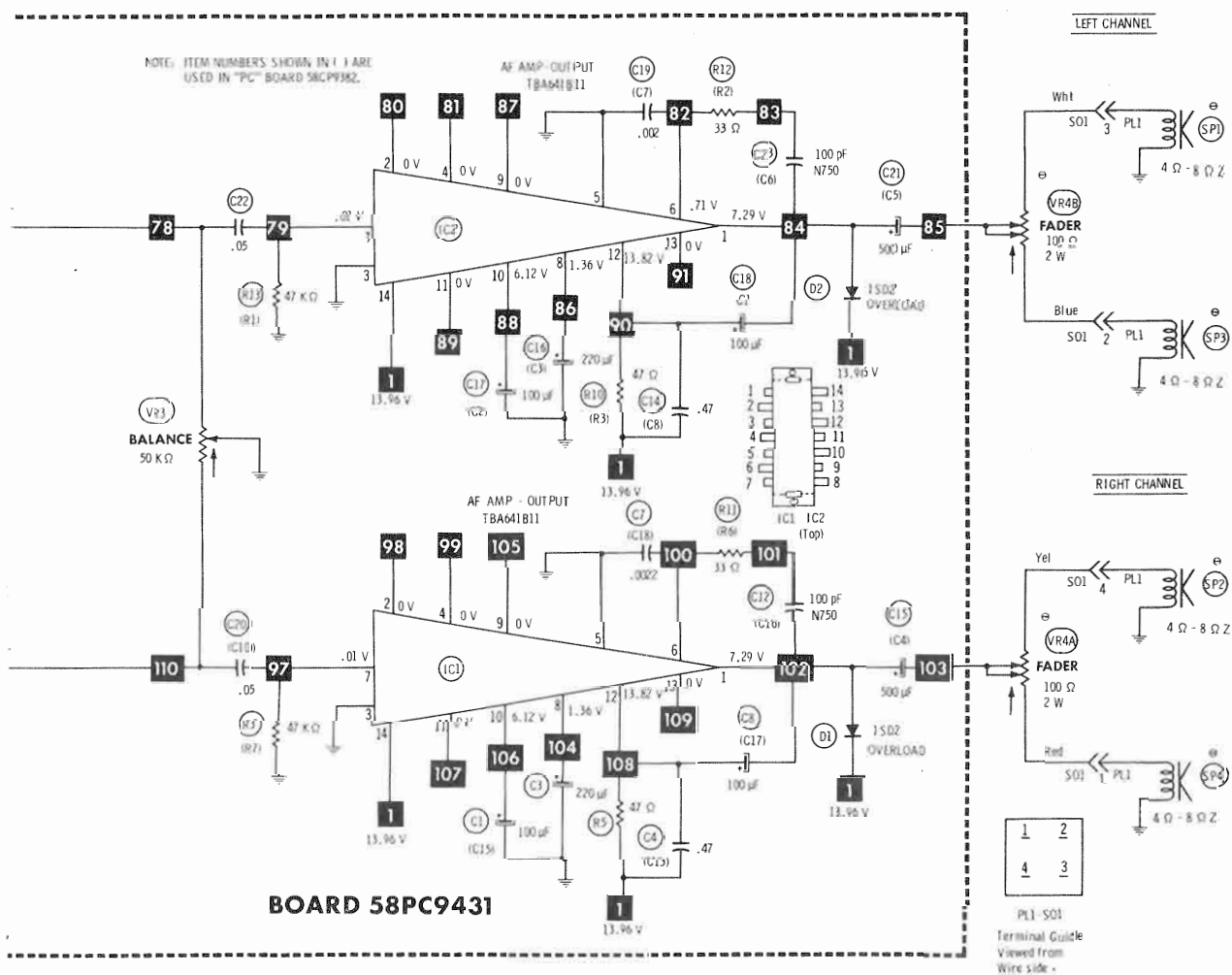
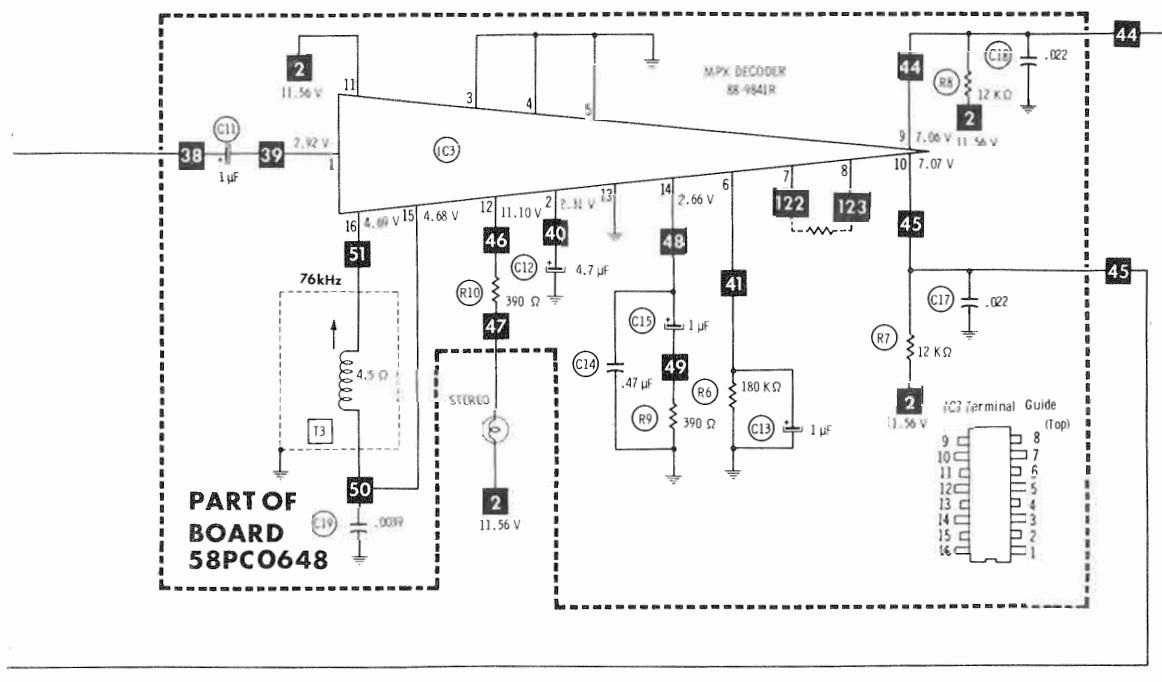
Numbers assigned to terminals may not be found on the unit.

Transistor resistances vary widely. No resistance measurements taken.

A PHOTOFAC STANDARD NOTATION SCHEMATIC  
with **CIRCUITTRACE**

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SEE NOTES ON PAGE 40



# PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.  
Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.

## CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA					
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
FM TUNER BOARD NO. 7140388								
C2	10 NPO	5% 5% 5%	CCTO-100	DTZ-10	NP010	CN0410	10TCC-Q10	
C3	47 NPO		CCTO-470	DTZ-47	NP047	CN0447	10TCC-Q47	
C4	.005		CCD-502	CK-502	MGP005	TA250	TG-050	
C5	12		CCTO-120		NP012	CN0412	10TCC-Q12	
C6	2.7 NPO						10TCC-V27	
C7	.005			CCD-502	CK-502	MGP005	TA250	TG-050
C8	28			CCTO-270		NP027	CN0427	10TCC-Q27
C9	68 NPO				DTZ-68		CN0468	10TCC-Q68
C10	10 NPO				DTZ-10	NP010	CN0410	10TCC-Q10
C11	1.5 NPO				DTZ-1R5	NP01P5	CN0515	10TCC-V15
C12	220				DTZ-220			10TCC-T22
C13	.001			CCD-102	DD-102	GP1000	SM210	ZSS-010
C14	.005			CCD-502	CK-502	MGP005	TA250	TG-050
C15	.0022			CCD-222	DD-222	GP2200	GP222	10TS-022
C16	47			CCTO-470	DTZ-47	NP047	CN0447	10TCC-Q47
C17	2.7 NPO							10TCC-V27
C18	4.7 N750						CN7547	10TCU-V47
C19	5			CCD-050	DD-050	NP05	GP550	10TS-V50
C20	.0022			CCD-222	DD-222	GP2200	GP222	10TS-022
C21	4.7 N750						CN7547	10TCU-V47
C23	.005			CCD-502	CK-502	MGP005	TA250	TG-050
FM IF - MPX BOARD NO. 58PC0648								
C1	.01		25P474100	CCD-103	CK-103	MGP01	TA110	TG-S10
C2	.01	CCD-103		CK-103	MGP01	TA110	TG-S10	
C3	.05	CCD-503		CK-503	MGP05	TA150	TG-S50	
C4	.01	CCD-103		CK-103	MGP01	TA110	TG-S10	
C5	.05	CCD-503		CK-503	MGP05	TA150	TG-S50	
C6	6.8 NPO			DTZ-6R8	NP06P8	CN0568	10TCC-V68	
C7	180			CCD-181	DD-181	GP180	GP318	10TS-T18
C8	.05			CCD-503	CK-503	MGP05	TA150	TG-S50
C9	.047			CCD-503	CK-503	MGP05	TA150	TG-S50
C10	56						CN0456	10TCC-Q56
C14	.47							
C17	.022			CCD-203	CK-203	MGP02	TA120	TG-S20
C18	.022			CCD-203	CK-203	MGP02	TA120	TG-S20
C19	.0039			DM-20-3920	CPR-3900J	CD19FD3920J	5X239	424ME3901J501
AM RF CONV. BOARD NO. 58PC3603								
C4	.22	29A4290 (1)					MAG25022	HY-770
C5	180			CCD-181	DD-181	GP180	GP318	10TS-T18
C6	(270)							
C7	.0033			CCD-332	DD-332	GP3300	JF233	ZSS-033
C8	.02		CCD-203	CK-203	MGP02	TA120	TG-S20	
C9	50		CCTO-510	DTZ-50	NP050	CN0450	10TCC-Q50	
C10	(100)		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10	
C11	.1		CCD-560	DD-560		GP456	10TS-Q56	
C12	.0068			CK-104		TA010	TG-P10	
C13	(.0068)		CCD-682	DD-682		JF268	10TS-Q68	
C14	.0068		CCD-562	DD-562			10TS-Q56	
C15	(.015)		CCD-682	DD-682		JF268	10TS-Q68	
CT2A	.01		CCD-153	DD-153		GP115	10TSS-S15	
B			CCD-103	CK-103	MGP01	TA110	TG-S10	
AUDIO BOARD NO. 58PC9431								
C4	.47	N750 N750		UK-474		MAG3047	HY-130	
C5	.47			UK-474		MAG3047	HY-130	
C6	.2			UK-10-204			HY-470	
C7	.002		CCD-202	DD-202	GP2000	GP220	ZSS-020	
C9	.2			UK-10-204			HY-470	
C10	.2			UK-10-204			HY-470	
C11	.47			UK-474		MAG3047	HY-130	
C12	100		CCTN-101	DTN-100	N100	CN7310	10TCU-T10	
C13	.2			UK-10-204			HY-470	
C14	.47			UK-474		MAG3047	HY-130	
C19	.002		CCD-202	DD-202	GP2000	GP220	ZSS-020	
C20	.05		CCD-503	CK-503	MGP05	TA150	TG-S50	
C22	.05		CCD-503	CK-503	MGP05	TA150	TG-S50	
C23	100		CCTN-101	DTN-100	N100	CN7310	10TCU-T10	
AUDIO BOARD NO. 58PC9382								
C6	100 N750	N750	CCTN-101	DTN-100	N100	CN7310	10TCU-T10	
C7	.0022		CCD-222	DD-222	GP2200	GP222	10TS-022	
C8	.47			UK-474		MAG3047	HY-130	
C9	.2			UK-10-204			HY-470	
C10	.05		CCD-503	CK-503	MGP05	TA150	TG-S50	
C11	.2			UK-10-204			HY-470	
C12	.47			UK-474		MAG3047	HY-130	
C13	.47			UK-474		MAG3047	HY-130	
C16	100 N750		CCTN-101	DTN-100	N100	CN7310	10TCU-T10	
C18	.0022		CCD-222	DD-222	GP2200	GP222	10TS-022	
C19	.2			UK-10-204			HY-470	
C20	.47			UK-474		MAG3047	HY-310	
C22	.05		CCD-503	CK-503	MGP05	TA150	TG-S50	
C23	.2			UK-10-204			HY-470	
CHASSIS								
C1	22 NPO	28-800-2. (1)	CCTO-220	DTZ-22	NP022	CN0422	10TCC-Q22	
C50								
C51	50 N750						10TCU-Q50	
CT1								

(1) Number on unit.



## PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.

Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.

**CONTROLS (All wattages 1/2 watt, or less, unless listed)**

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFRG. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
VR1a	Tone - Left	10K	280B1022A(18)				
b	Tone - Right/Loc-Dist Switch	10K					
c	Volume - Left	25K Tap 7500					
d	Volume Right/Power Switch	25K Tap 7500					
a	Tone - Left	10K	80B9364,B,C				
b	Tone - Right/Loc-Dist Switch	10K	(19)				
c	Volume - Left	25K Tap 7000					
d	Volume - Right/Power Switch	25K Tap 7000					
a	Tone - Left	10K	80B9365,B,C				
b	Tone - Right/Loc-Dist Switch	10K	(20)				
c	Volume - Left	25K Tap 6000					
d	Volume - Right/Power Switch	25K Tap 6000					
a	Tone - Left	10K	280B0236,B				
b	Tone - Right/Loc-Dist Switch	10K	(21)				
c	Volume - Left	25K Tap 7000					
d	Volume - Right/Power Switch	25K Tap 7000					
VR3	Balance	50K	81B9630A(22)				
VR4a	Fader - Left	100 2 Watt	281B1024A(18)				
b	Fader - Right	100 2 Watt					
a	Fader - Left	100 2 Watt	281B0242B(23)				
b	Fader - Right	100 2 Watt					
a	Fader - Left	100 2 Watt	281A1385A(24)				
b	Fader - Right	100 2 Watt	81A9359,C(25)				
a	Fader - Left	100 2 Watt	281B0241B(26)				
b	Fader - Right	100 2 Watt					

(18) Used in Model PIX-4495 Pinto 1974.

(19) Used in Models TRX-4491 Torino 1974.

MUX-4453 Mustang 1974.

FOX-4451 Ford 1974.

FXP-3451B Ford 1973.

MXT-3497B Mercury 1973.

MEX-4497 Mercury 1974.

(20) Used in Models TXR-3491B Torino, Cyclone, Montego 1973.

OLX-4483 Oldsmobile 1974.

CHX-4463 Chevrolet 1974.

CVX-4481 Chevelle 1974.

CKX-4489 Chevrolet Truck 1974.

CEX-4471 Century 1974.

CSX-4479 Cutlass 1974.

PDX-4455 Pontiac 1974.

LMX-4487 Tempest/Lemans 1974.

XTP-3487B Lemans 1973.

GXP-3459B Grand Prix 1973.

GPX-4459 Grand Prix 1974.

IXP-3445 Impala/Caprice 1973.

PXC-3455 Pontiac 1973.

BUX-4485Z Buick 1974.

CCX-4445 Caprice 1974.

TDX-4477 Toronado 1974.

(21) Used in Models MXV-4493 Maverick 1974.

MXV-3493B Maverick 1973.

FKX-4499 Ford Truck 1974.

(22) Used in Models FOX-4451 Ford 1974.

MXV-3493B Maverick 1973.

FXP-3451B Ford 1973.

MXT-3497B Mercury 1973.

MEX-4497 Mercury 1974.

TXR-3491B Torino, Cyclone, Montego 1973.

TRX-3391 Torino 1973.

MXV-4493 Maverick 1974.

(23) Used in Models TRX-4491 Torino 1974.

MUX-4453 Mustang 1974.

FOX-4451 Ford 1974.

FXP-3451 Ford 1973.

MXT-3497B Mercury 1973.

MEX-4497 Mercury 1974.

TXR-3491B Torino, Cyclone, Montego 1973.

(24) Used in Models MUX-4453 Mustang 1974.

FOX-4451 Ford 1974.

(25) Used in Models CKX-4489 Chevrolet Truck 1974.

CEX-4471 Century 1974.

CSX-4479 Cutlass 1974.

PDX-4455 Pontiac 1974.

LMX-4487 Lemans/Tempest 1974.

OLX-4483 Oldsmobile 1974.

CHX-4463 Chevrolet 1974.

CVX-4481 Chevelle, 1974.

CCX-4445 Caprice 1974.

IXP-3445 Impala/Caprice 1973.

PXC-3455 Pontiac 1973.

BUX-4485Z Buick 1974.

XTP-3487B Lemans 1973.

GXP-3459B Grand Prix 1973.

GPX-4459 Grand Prix 1974.

TDX-3377 Toronado 1974.

(26) Used in Model FKX-4499 Ford Truck 1974.

## COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	REMARKS
CHASSIS					
L1	FM Antenna	(1)			
L2	FM RF	(1)			
L4	FM Oscillator	(1)			
L5	AM Antenna	(1)			
L6	AM RF	(1)			
L7	AM Oscillator	(1)			
L10	RF Choke (6.2 uH)		19-1004	4610	
FM TUNER					
BOARD NO. 114038B					
L3	10.7 MHz Trap		19-1000	74F106AP	
FM IF MPX					
BOARD NO. 58PC0648					
T1	FM Input IF	14-9757B			
T2	Quad Coil	14-9758B			
T3	76 kHz	14-9978			
AM IF					
BOARD NO. 58PC9604					
T1	AM Input IF	14-9904			
T2	AM Output IF	14-9905			

## PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.  
Have your local distributor check Sams COUNTER FACTS\* for the most up-to-date replacement.

### FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	200 ma	.5	10 mH	75A3082	TC-2	TR-155	TY17XT	

### SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3" PM, 8 ohms	7388397		Left Front - Models: BUX-4485, CCX-4445, CEX-4471, CHX-4463, CKX-4489, CSX-4479, IXP-3445B, OLX-4483, POX-4455, PXC-3455B.
	4" x 6" PM, 8 ohms	7388227	46A1Z10	Left Front - Models: CVX-4481.
	4" PM, 4/8 ohms	7387837		Left Front - Models: FOX-4451.
	4 1/2" PM, 8 ohms	7385996	5A1ZB	Left Front - Models: FXP-3451B, MEX-4497, MVX-4493, MXT-3497B, MXV-3493B, TRX-4491, TXR-3491B.
	4" x 10" PM, 8 ohms	7384628	410A2ZB	Front - Models: GPX-4459, GXP-3459B, VEX-4457, XTP-3487B.
	4" x 10" PM, 8 ohms	7386795	410A2Z10	Front - Models: LMX-4487.
	5" PM, 8 ohm	7381033	52C10ZB	Left Front - Models: MUX-4453.
	5" x 8" PM, 8 ohms	7389998	58A2ZB	Front - Models: PIX-4495.
SP2	3" PM, 8 ohms	7388397		Right Front - Models: BUX-4485, CCX-4445, CEX-4471, CHX-4463, CKX-4489, CSX-4479, IXP-3445B, OLX-4483, POX-4455, PXC-3455B.
	4" x 6" PM, 8 ohms	7388227	46A1Z10	Right Front - Models: CVX-4481.
	4" PM, 4/8 ohms	7387837		Right Front - Models: FOX-4451.
	4 1/2" PM, 8 ohms	7385996	5A1ZB	Right Front - Models: FXP-3451B, MEX-4497, MVX-4493, MXT-3497B, MXV-3493B, TRX-4491, TXR-3491B.
	5" PM, 8 ohms	7381033	52C10ZB	Right Front - Models: MUX-4453.
SP3	6" x 9" PM, 8 ohms	7389797	69A2ZB	Left Rear - Except Model IXP-3445B.
	4" x 10" PM, 8 ohms	7384628	410A2ZB	Left Rear - Model IXP-3445B only.
SP4	6" x 9" PM, 8 ohms	7389797	69A2Z10	Right Rear - Except Model IXP-3445B.
	4" x 10" PM, 8 ohms	7384628	410A2ZB	Right Rear - Model IXP-3445B only.

### FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA							
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	
F1	AGC3 (1) AGW4 (2)		In Fuse Block	AGC-3		312003			
			In Fuse Block	AGW-4		303004			

(1) Used in Models BUX-4485, CCX-4445, CEX-4471, CHX-4463, CKX-4489, CSX-4479, CVX-4481, GPX-4459, GXP-3459B, IXP-3445B, LMX-4487, OLX-4483, POX-4455, PXC-3455B, VEX-4457, XTP-3487B.

(2) Used in Models FOX-4451, FXP-3451B, MEX-4497, MUX-4453, MVX-4493, MXT-3497B, MXV-3493B, PIX-4495, TRX-4491, TXR-3491B.

### MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF1	Ceramic Filter	13-8809	Color marks on Ceramic Filters indicate center frequencies. Green = 10.60 MHz, Black = 10.65 MHz, Red = 10.70 MHz, White = 10.75 MHz, Yellow = 10.80 MHz.
CF2	Ceramic Filter	13-8809	
CF3	Ceramic Filter	13-8809	
T1	Tuner	78B9318	
SW2	Switch, AM-FM	94-7791A	
	PC Board Assembly	251PC0725	FM-MPX, Board No. 58PC064B with components.
	PC Board Assembly	251PC0752	AM, Board No. 58PC9603 with components.
	PC Board Assembly	51PC9640B	Audio, Board No. 58PC9431 with components.
	PC Board Assembly	51PC9636B	Audio, Board No. 58PC9382 with components.

### CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	MODEL	PART No.	ITEM	MODEL	PART No.
Knob, Tone, Fader	BUX-4485	47A8543B	Escutcheon Assembly	BUX-4485	251-1330
	CCX-4445, CHX-4463, CKX-4489, VEX-4457	47A7634		CCX-4445	251-1451
	CEX-4471	247A1231A		CEX-4471	51-9869
	CSX-4479	47A9477A		CHX-4463, CKX-4489, CVX-4481, VEX-4457	51-9847
	CVX-4481	47A4535C		CSX-4479	51-9867
	FXK-4499	47A7591A		FKX-4499, MUX-4453	251-1142
	FOX-4451, TRX-4491	47A8444B		FOX-4451, MEX-4497, MXV-4493, TRX-4491	251-1145
	GPX-4459, LMX-4487, POX-4455	47A9560B		GPX-4459, LMX-4487	51-9860
	MEX-4497, MUX-4453	47A8444A		OLX-4483, TDX-4477	251-1315
	MVX-4493, PIX-4495	47A7591		PIX-4495	251-1080
	OLX-4483, TDX-4477	247A1223A		POX-4455	51-9884
	VEX-4457	47A7634			
			Push Button	BUX-4485	55A5218A
				CCX-4445	55-8582A
				CEX-4471, GPX-4459, LMX-4487, POX-4455	55A7972
				CHX-4463, CKX-4489, CVX-4481, VEX-4457	55B7806
				CSX-4479	55B9499
				FKX-4499, FOX-4451, MEX-4497, MVX-4493, PIX-4495, TRX-4491	55B7639
				MUX-4453	55B7659
				OLX-4483	55B1242B
				TDX-4477	55B1242A
Knob, Volume, Tuning	BUX-4485, CEX-4471	247A1235A			
	CCX-4445, CVX-4481, VEX-4457	47A7623D			
	CHX-4463	47A7609D			
	CKX-4489	47F7623D			
	CSX-4479	47A9489A			
	FXK-4499	47A7593B			
	FOX-4451, MEX-4497, MUX-4453, TRX-4491	247A0094A			
	GPX-4459, LMX-4487	47A7928D			
	MVX-4493, PIX-4495	247A0813A			
	OLX-4483	247A1222A			
	POX-4455	47A7928D			
	TDX-4477	247A1283A			