

SAMS PHOTOFACT[®]

AUTO RADIO SERIES



AR-226
226
October, 1976



CONTENTS

AUDIOVOX

1975 Series

FORD

Granada, Maverick,
Mustang (76)
D6DA-19A171,
6A-D6DA-19A171

Pinto (76)

D6EA-19A171,
6A-D6EA-19A171

MERCURY

Monarch, Comet (76)
D6DA-19A171,
6A-D6DA-19A171

Bobcat (76)

D6DA-19A171,
6A-D6DA-19A171

UNIVERSAL

AFCO
SCX-900

Automatic
UAF-6270L

Channel Master
6299

Motorola
5FM485AX

\$3.50

\$4.40 IN CANADA

Cat. No. AR-226



SAMS PHOTOFACT[®] AUTO RADIO SERIES



VOLUME

226



by the



ENGINEERING STAFF



HOWARD W. SAMS & CO., INC.

INDIANAPOLIS INDIANA

**FIRST EDITION
FIRST PRINTING—OCTOBER, 1976**

**PHOTOFACT®
AUTO RADIO SERIES
VOLUME 226**

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Indianapolis, Indiana 46206. Printed in the United States of America

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Library of Congress Catalog Card Number: 49-11493



AUTO RADIO SERIES

TABLE OF CONTENTS

TRADE NAME AND MODEL

PAGE

AFCO Model SCX-900.....	5
Audiovox 1975 Series.....	23
Automatic Model UAF-6270L.....	49
Channel Master Model 6299.....	61
Ford/Mercury Models D6DA-19A171, D6EA-19A171, 6A-D6DA-19A171, 6A-D6EA-19A171....	81
Motorola Model 5FM485AX.....	99

Cumulative Index to Prior Volumes.....	117
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GENERAL SERVICING INFORMATION

The following information applies to all tape units in this volume, and should be followed before any adjustments are made or trouble diagnosis is attempted. Any exceptions or additions will be found in the detailed servicing procedures for each tape unit.

POWER SOURCES

Many tape units require full supply voltage for proper operation. Be sure the supply voltage is maintained at the rated value under load while making adjustments.

CLEANING

All head faces should be cleaned with head cleaner or methyl alcohol to remove dust and accumulated oxide. (An applicator may be fashioned from absorbent cotton.) Do not use a screwdriver or any metallic object near the head faces.

CAUTION: Avoid getting head cleaner on any plastic surface.

Clean capstans, pressure rollers, and tape guides with alcohol using a soft lint-free cloth. Also use alcohol to remove oil and grease from drive belts and other driving surfaces.

LUBRICATING

Clean all surfaces before lubricating. Apply a few drops of #20 machine oil to all bearings and rotating bushings. Apply a thin film of light, nonhardening grease to all cam surfaces and pawls, if they have been factory lubricated. Always wipe excess oil or grease from parts that have been lubricated.

CAUTION: Oil and grease must be kept off all driving surfaces as well as any parts which may transfer oil or grease to them.

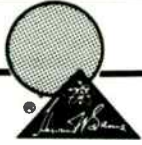
DEMAGNETIZING

Heads require demagnetizing at regular intervals to maintain high-frequency response, dynamic range, and low distortion. (Follow instructions included with the demagnetizing unit.) After demagnetizing the heads, keep all screwdrivers and other metallic objects away from the head faces. Tape guides may also require occasional demagnetizing.

IMPORTANT: Be sure to demagnetize the heads after making resistance measurements in the head circuits.

CARTRIDGES

Many problems associated with tape units result from defective cartridges. Always try a cartridge known to be good before attempting repairs.



For Supplier Address See PHOTOFACT Index



MODEL SCX-900

AFCC MODEL SCX-900

ALIGNMENT INSTRUCTIONS

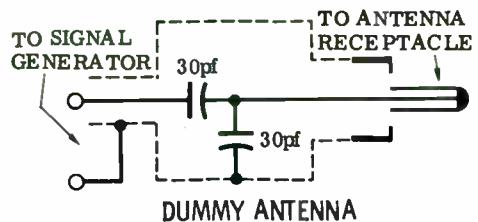
Check for specified source voltage.
 Use only enough generator output
 to provide a usable indication.
 Suggested Alignment Tools: GC ELECTRONICS
 ALL 8290, 8868, 9087

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 .1 μ F to point A, low side to ground.	455kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T402, CF401	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	TC402, TC401, TC001	"
Thru dummy antenna to antenna input.	600kHz	Tune to signal	Output meter across voice coil.	T401	Adjust for maximum. Repeat alignment until no further improvement is noted.

With radio installed in car and antenna extended 36", tune in a weak station near 1400kHz and adjust TC001 for maximum output. Antenna adjustment TC001 is located on bottom right rear corner.

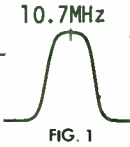
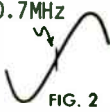


HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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ALIGNMENT INSTRUCTIONS (Continued)

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

High side of generator thru .001uF 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.	T202,T101	Adjust for maximum. 
"	"	DC probe of VTVM to point C, common to ground.	T203	Adjust for zero reading. A positive or negative reading will be obtained on either side of correct setting. 
"	Point of non-interference	DC probe of VTVM to point D, common to ground.	T201	Adjust for maximum.

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

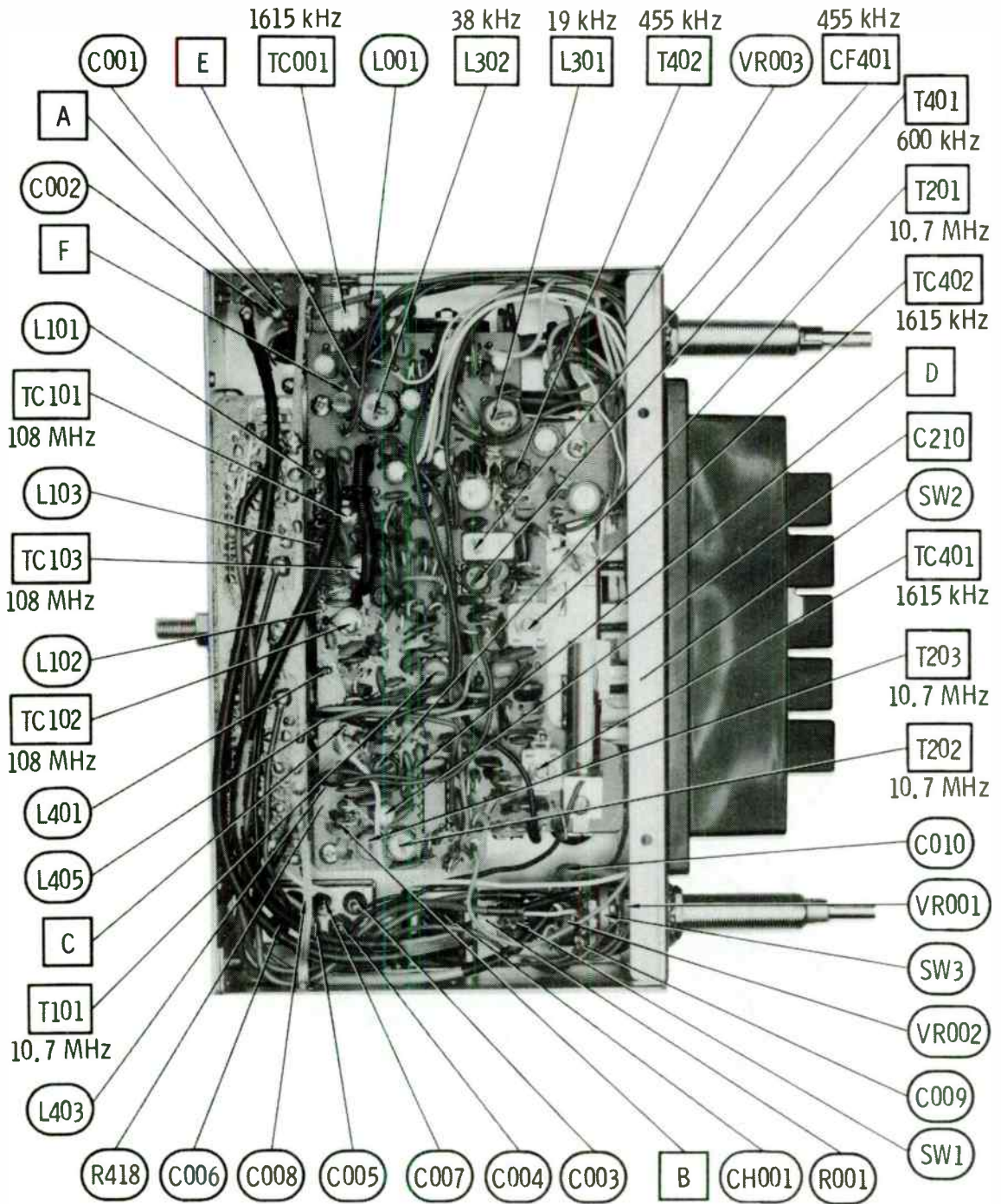
High side of generator thru .001uF to point A, low side to ground. Use only enough marker signal for indication. Use 60-hertz, frequency-modulated signal, 450kHz sweep. Use 60-hertz sawtooth voltage in scope for horizontal deflection.				
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz 450kHz Sweep	Point of non-interference	Vert input of scope to point B, low side to ground.	T202,T101	Disconnect stabilizing capacitor C210. Adjust for maximum gain and symmetry of response similar to Fig. 1 with markers as shown. Reconnect C210.
"	"	Vert input of scope to point C, low side to ground.	T203	Adjust T203 to place marker at center of S curve similar to Fig. 2. Readjust T202 for maximum amplitude and straightness of line.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

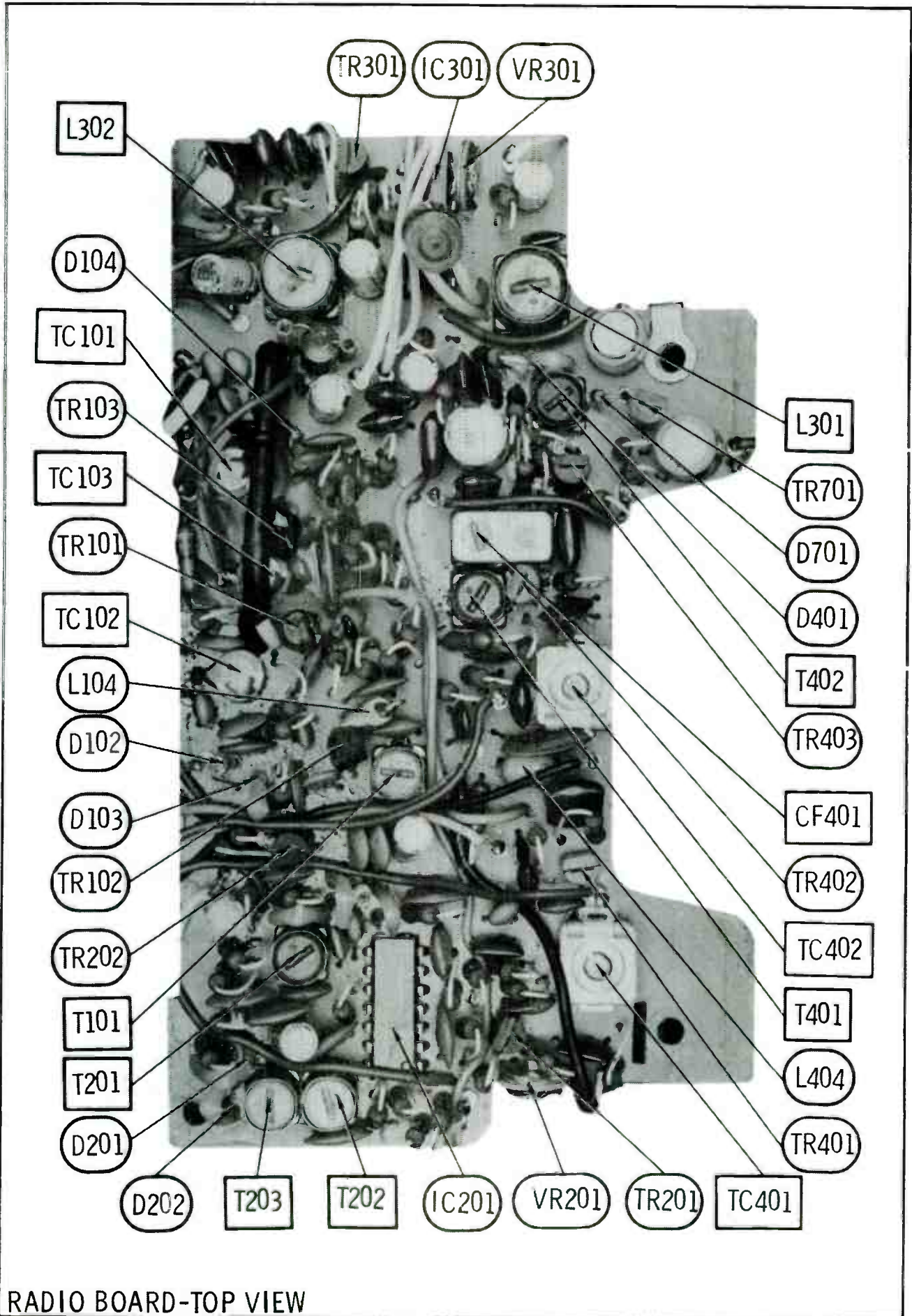
Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead. Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.				
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
108MHz Unmodulated	Tune to signal	DC probe of VTVM to point B, common to ground.	TC103,TC102, TC101	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

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

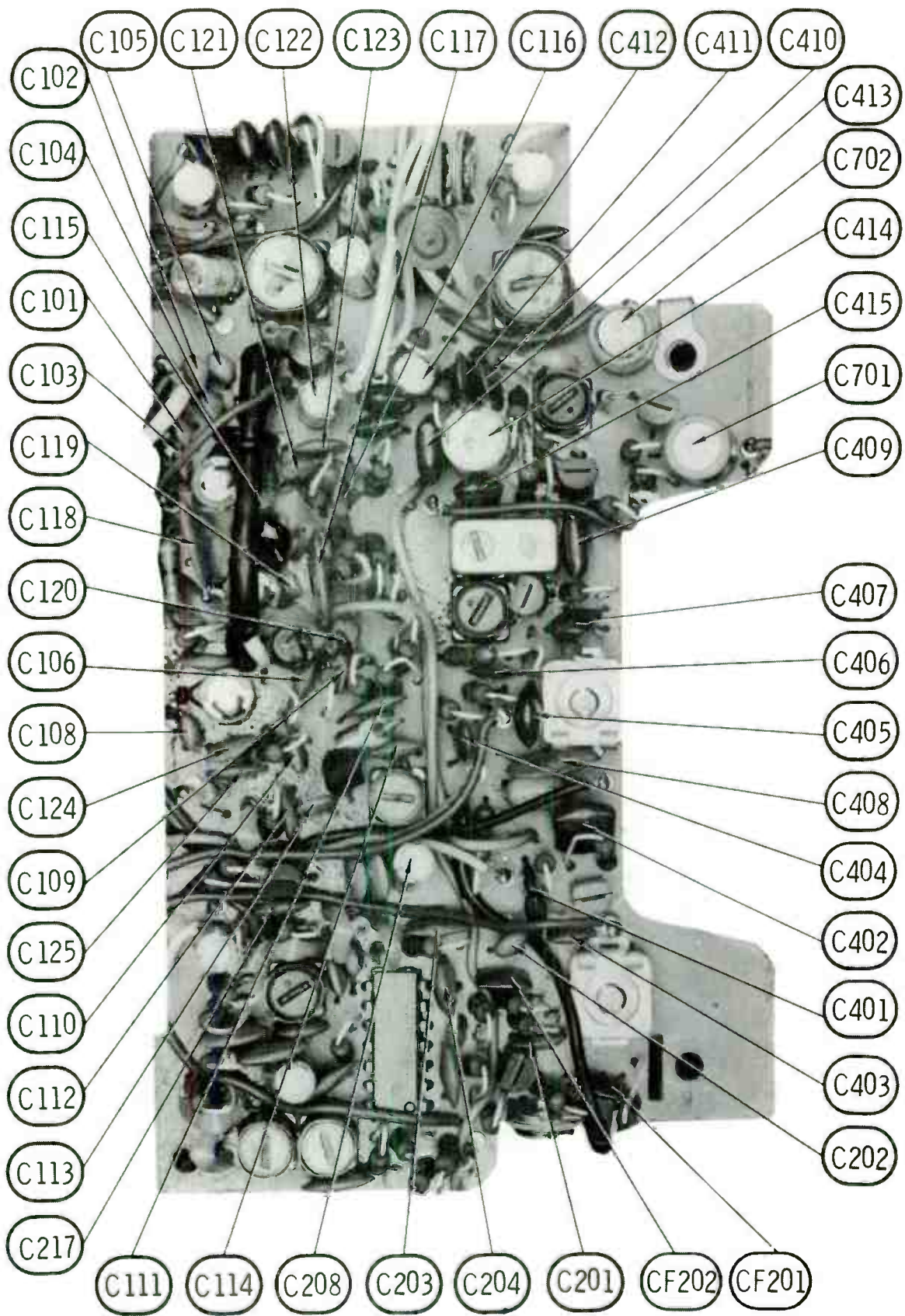
High side of generator thru 47K to A, low side to ground.				
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS	
Modulated Left Channel	Vert input of scope to point E, low side to ground.	L301,L302, VR301	Adjust for MINIMUM. This step should require only slight adjustment.	
Modulated Right Channel	Vert input of scope to point F, low side to ground.		Check for MINIMUM. If necessary, make compromise adjustment of L301,L302,VR301.	



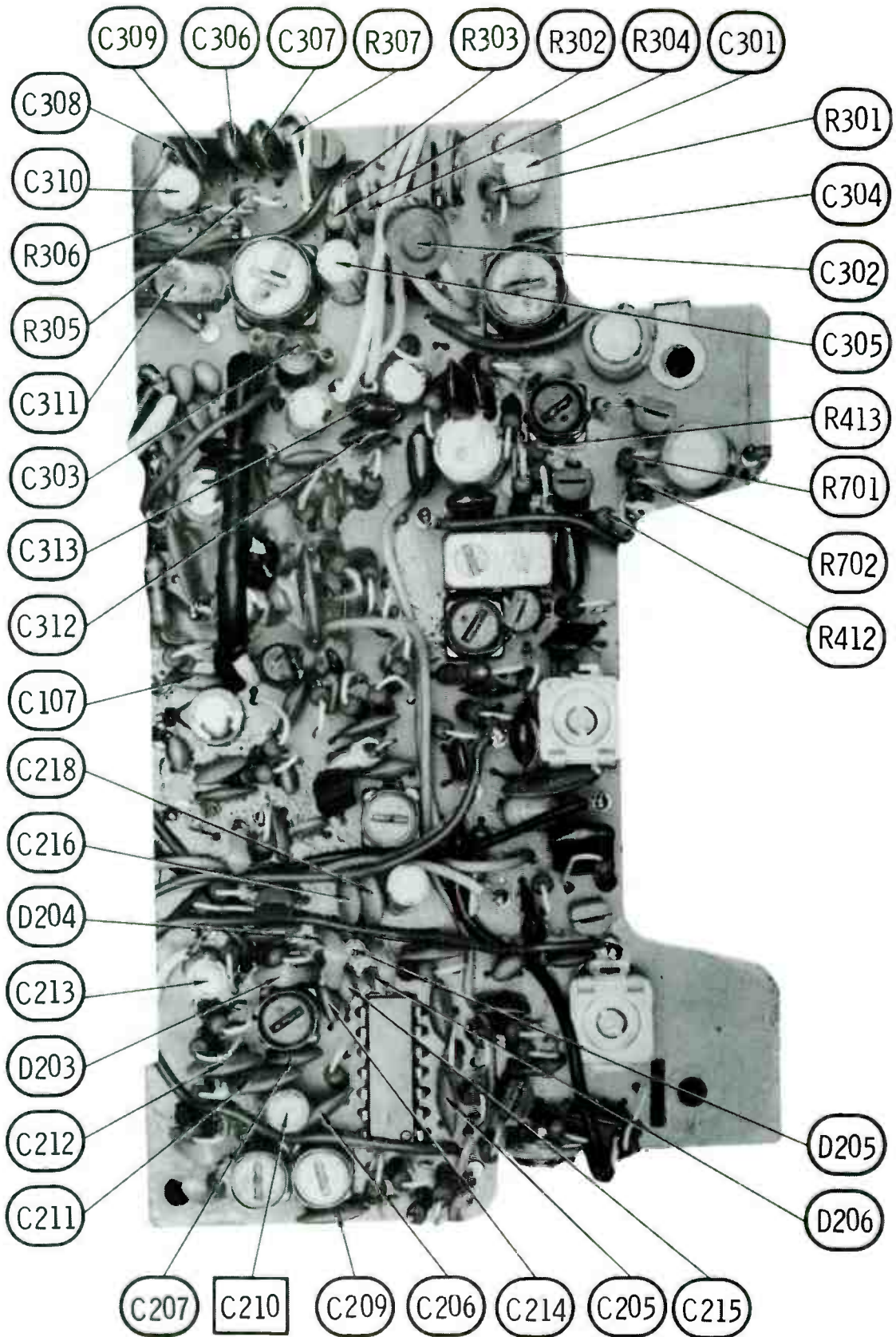
CHASSIS-TOP VIEW



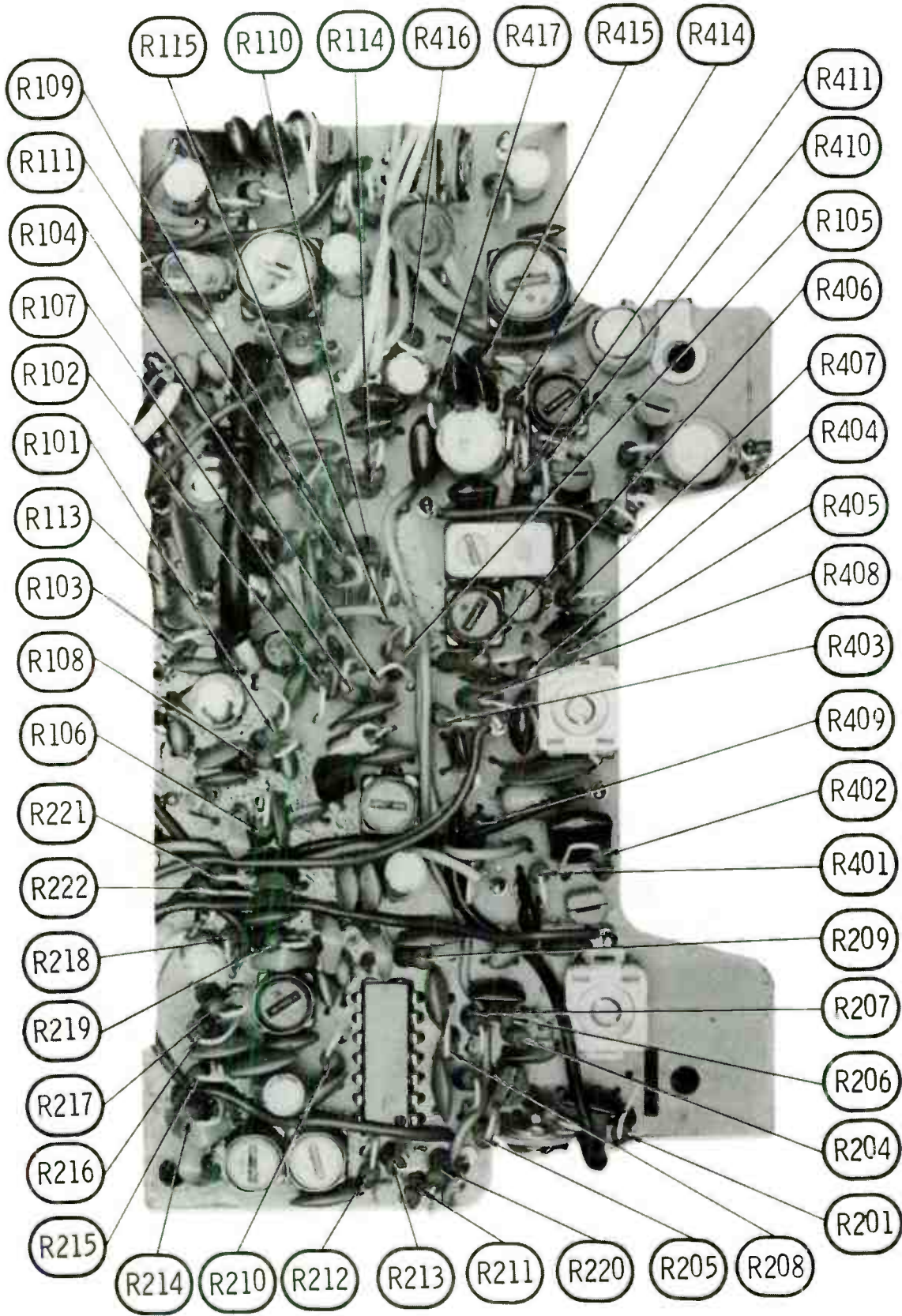
RADIO BOARD-TOP VIEW



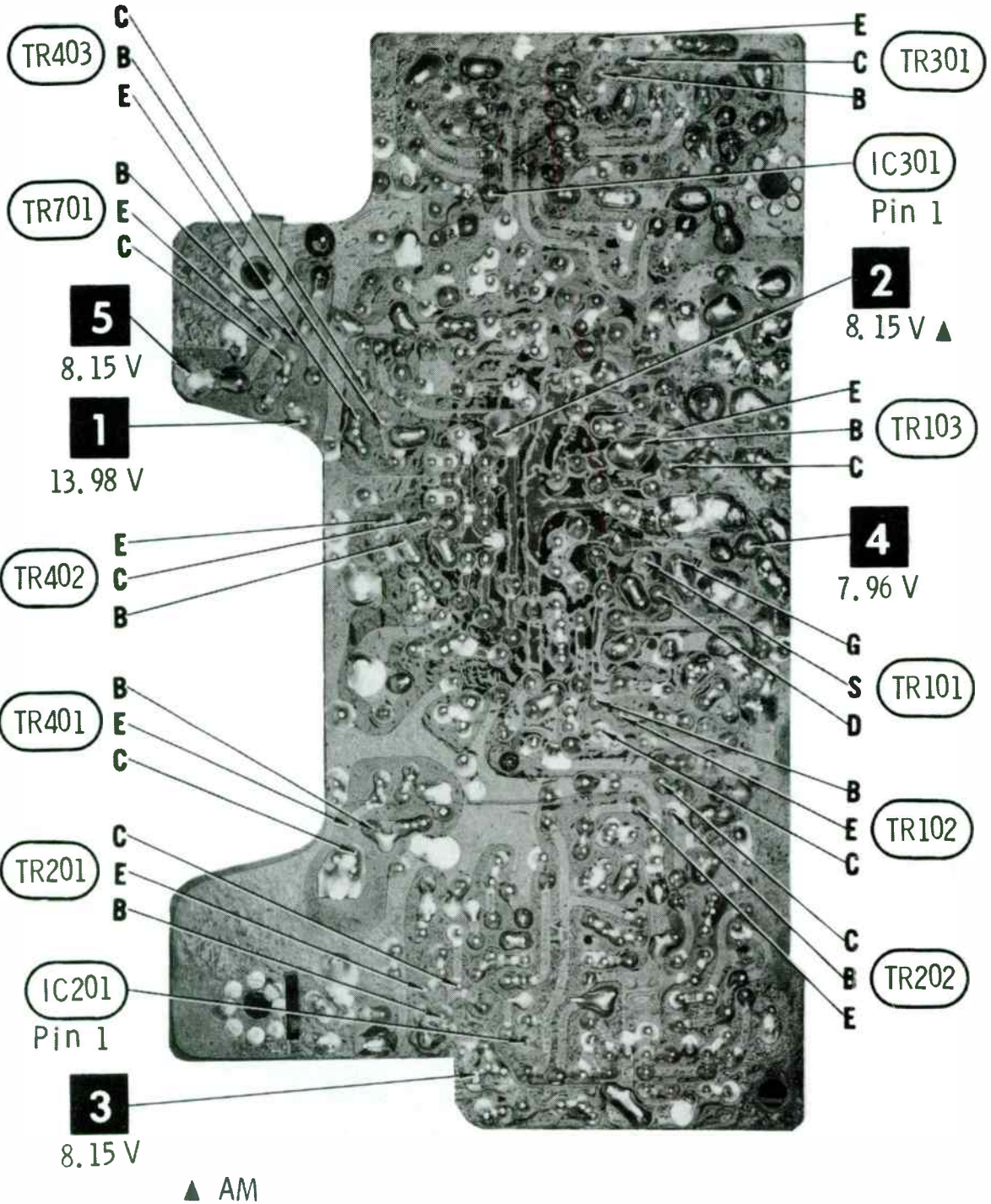
RADIO BOARD-TOP VIEW



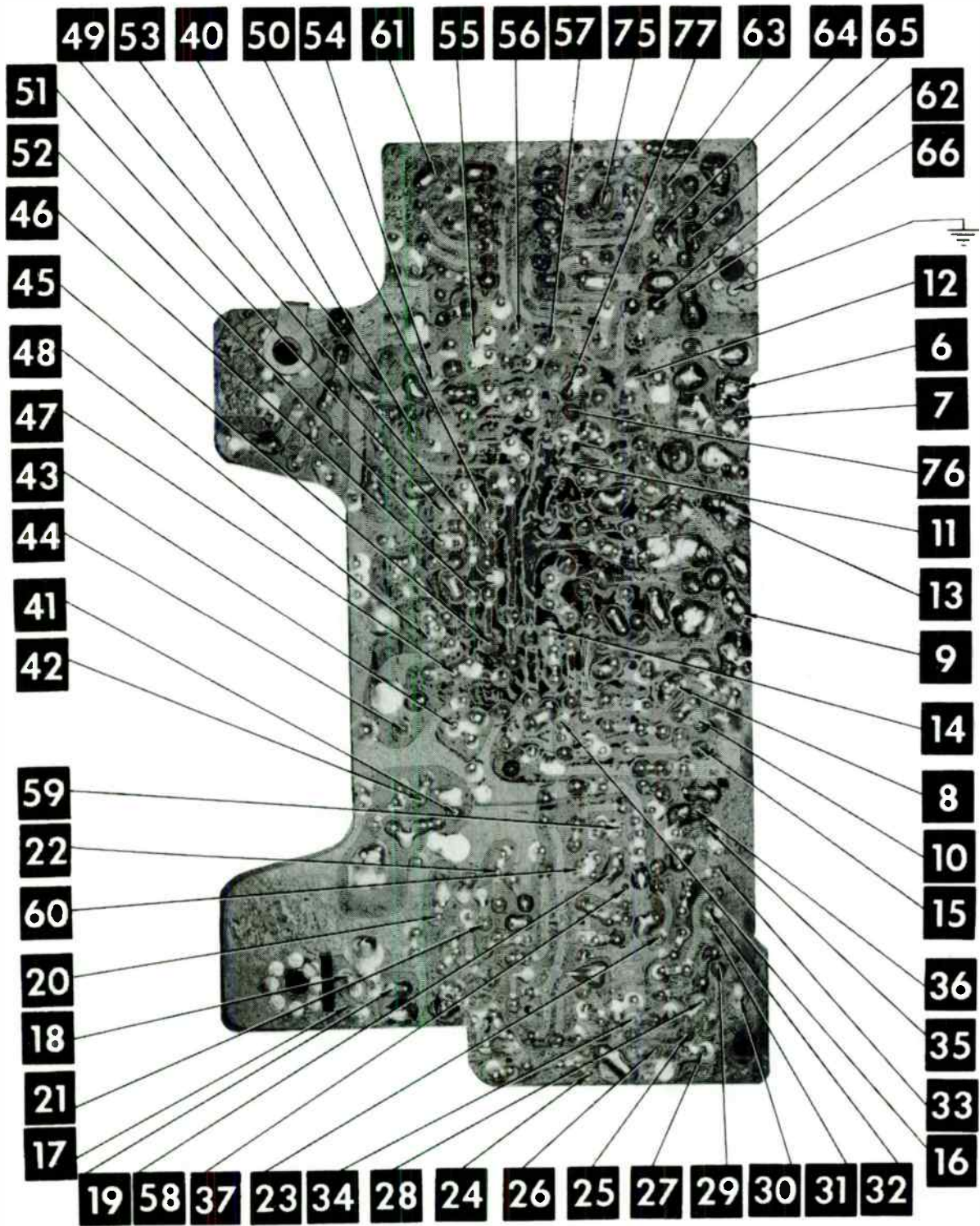
RADIO BOARD-TOP VIEW



RADIO BOARD-TOP VIEW

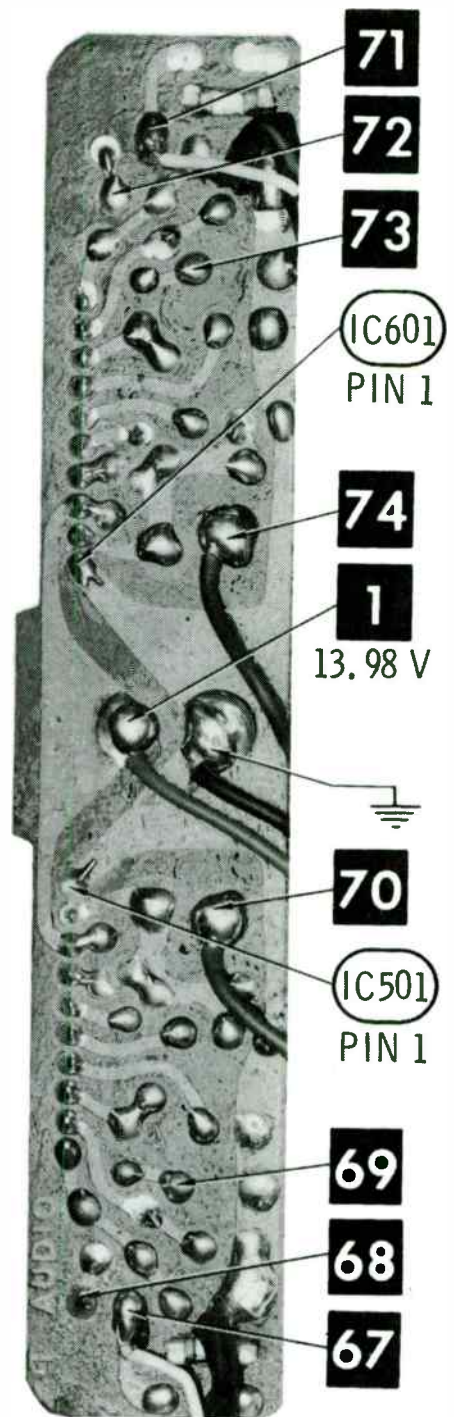
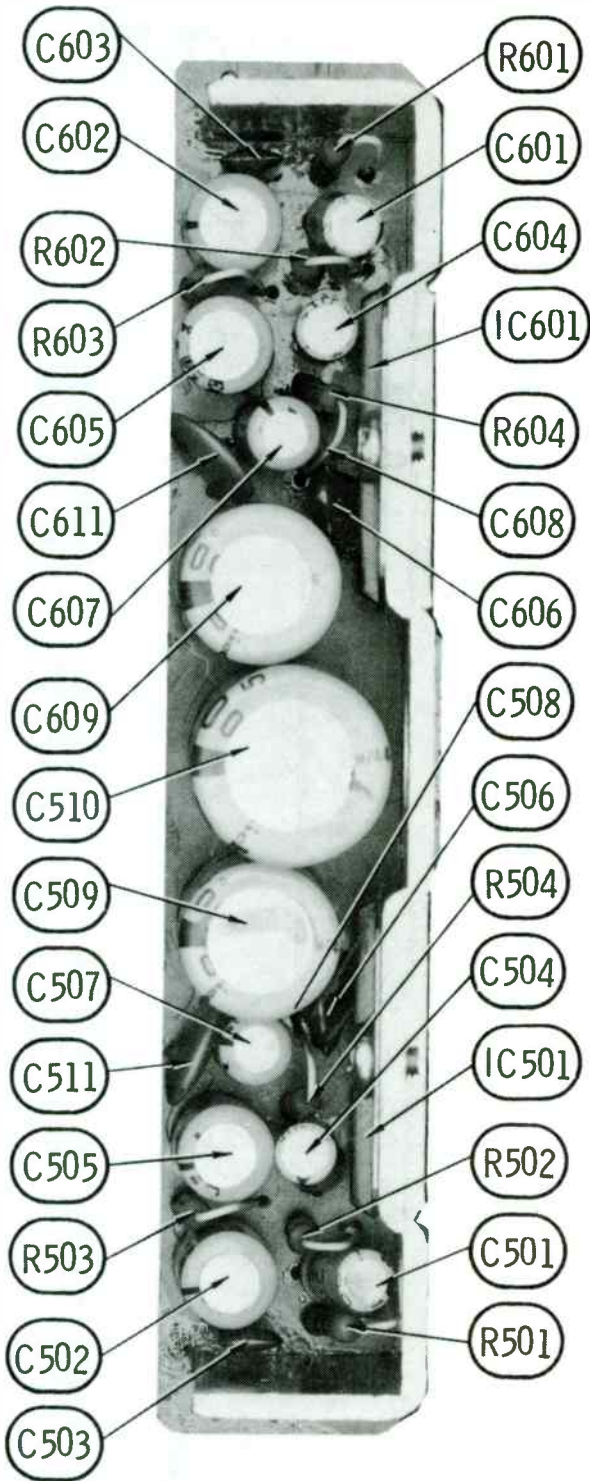


RADIO BOARD-BOTTOM VIEW



AFCC MODEL SCX-900

RADIO BOARD-BOTTOM VIEW



AUDIO BOARD

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.

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D102	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D103	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D104	1S2687		GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	
D201	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D202	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D203	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D204	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D205	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D206	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D401	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D701	RD9.1EB		GEZD-9.1		Z89.1B				RT-240	ECG139
IC201	LA-1201		GEIC-43							ECG1003
IC301	LA-3301		GEIC-38		PTC721	HEPC6094P				ECG1006
IC501	TA-7204P								TVCM-6	ECG1153
IC601	TA-7204P									ECG1153
TR101	25K19Y		GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG132
TR102	25C922L		GE-17	TR-24	PTC115	HEPS0025	RE 9	SK3018	RT-107A	ECG107
TR103	25C839H		GE-61	(IR)25C644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR201	25C839H		GE-61	(IR)25C644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR202	25C945L,R		GE-20	(IR)25C945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
TR301	25C945L,R		GE-20	(IR)25C945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
TR401	25C839		GE-61	(IR)25C644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR402	25C839		GE-61	(IR)25C644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR403	25C839		GE-61	(IR)25C644	PTC132	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR701	25C945		GE-20	(IR)25C945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199

(6) Matched pair.

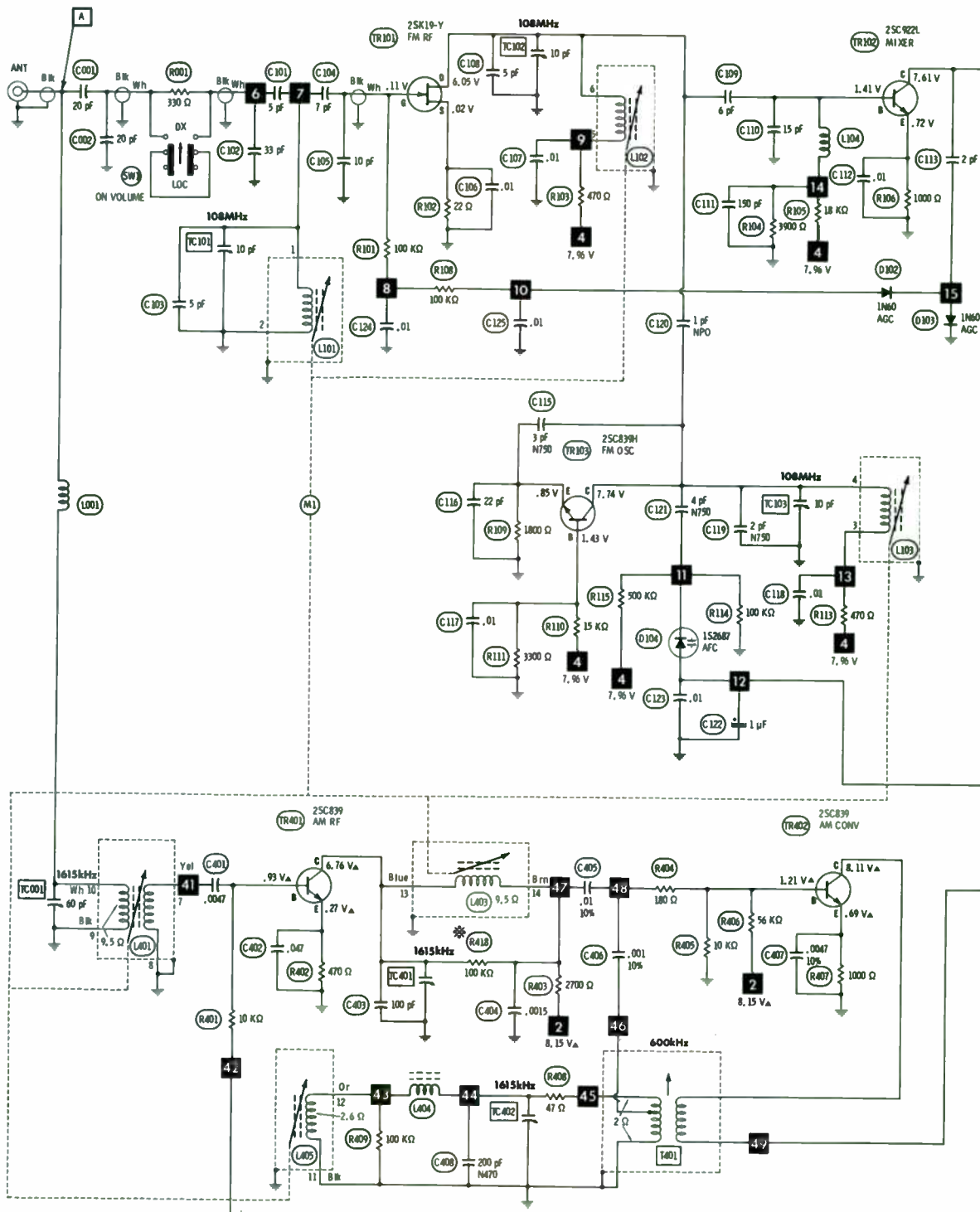
(7) Two required - select matched pair.

AFCO MODEL SCX-900

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C122	1 6.3V		PC1-50	TT6X1	EV-1315
C208	10 10V		PC10-25	VTT10A25	EV-1222
C210	10 10V		PC10-25	VTT10A25	EV-1222
C213	10 10V		PC10-25	VTT10A25	EV-1222
C301	10 10V		PC10-25	VTT10A25	EV-1222
C305	4.7 10V		PC5-50	VTT4R7A50	EV-1319
C310	10 10V		PC10-25	VTT10A25	EV-1222
C311	10 10V		PC10-25	VTT10A25	EV-1222
C412	10 10V		PC10-25	VTT10A25	EV-1222
C414	33 16V		PC30-25	VTT33D25	EV-1325
C501	10 10V		PC10-25	VTT10A25	EV-1222
C502	100 10V		PC100-10	VTT100E10	EV-1130
C504	10 10V		PC10-25	VTT10A25	EV-1222
C505	100 10V		PC100-10	VTT100E10	EV-1130
C507	47 10V		PC50-16	VTT47D16	EV-1226
C509	1000 10V		PC1000-16	TC1210D	EV-1160
C510	1000 16V		PC1000-16	VTT1000L16	EV-1260
C601	10 10V		PC10-25	VTT10A25	EV-1222
C602	100 10V		PC100-10	VTT100E10	EV-1130
C604	10 10V		PC10-25	VTT10A25	EV-1222
C605	100 10V		PC100-10	VTT100E10	EV-1130
C607	47 10V		PC50-16	VTT47D16	EV-1226
C609	1000 10V		PC1000-16	TC1210D	EV-1160
C701	47 16V		PC50-16	VTT47D16	EV-1226
C702	47 16V		PC50-16	VTT47D16	EV-1226

CONTINUED ON PAGE 20



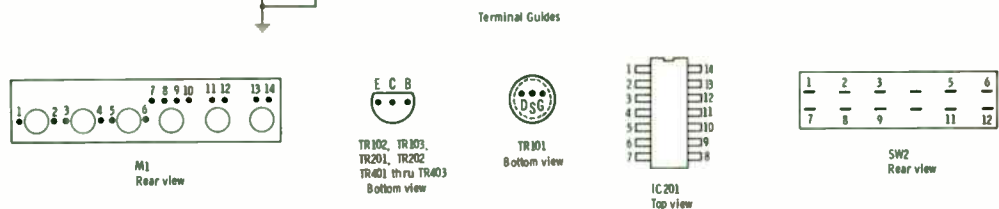
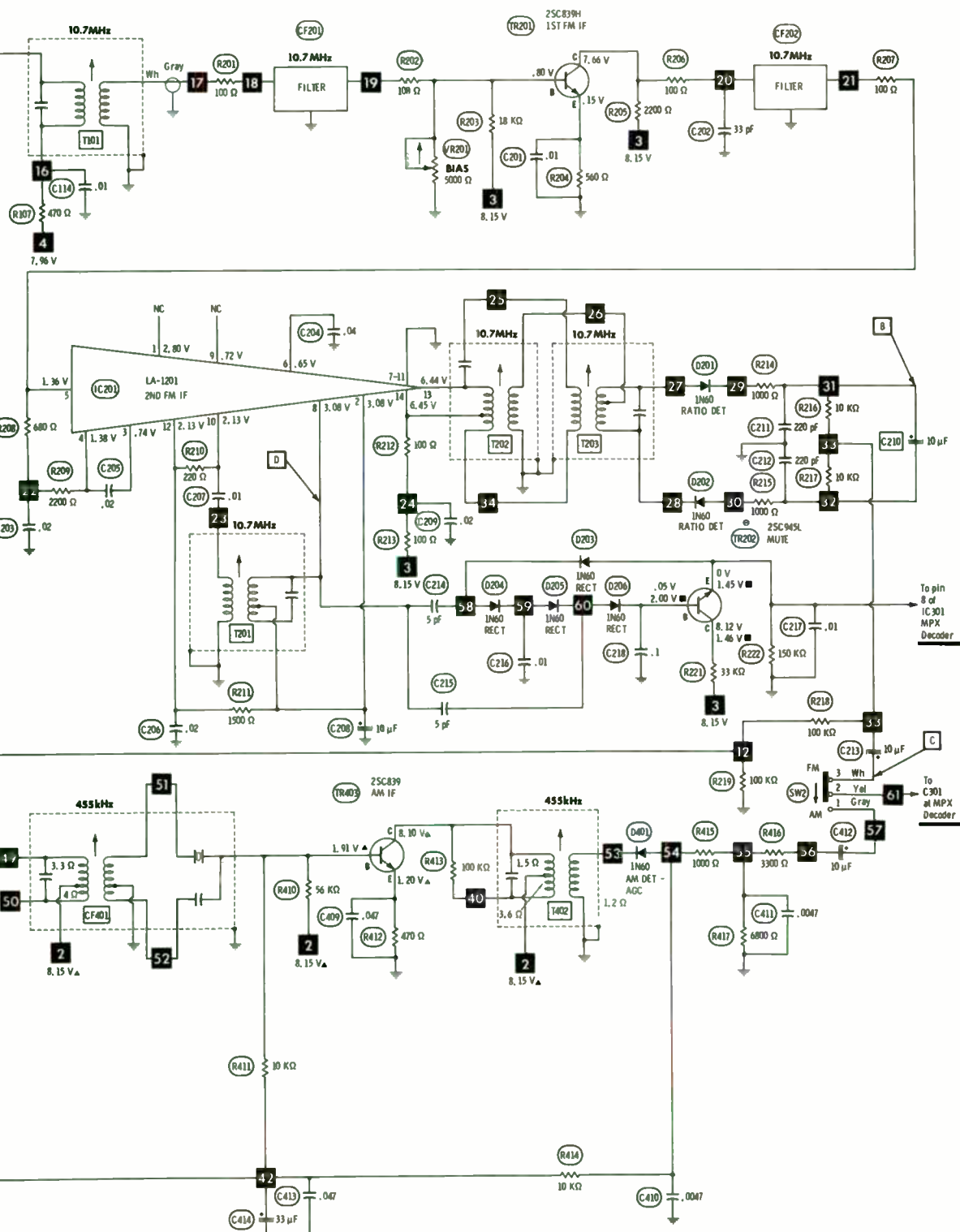
- Circuitry not used in some versions
- Circuitry used in some versions
- ⊙ See ports list
- ⊛ Nominal value
- ⊕ Ground
- ⊞ Chassis
- ∇ Common tie point

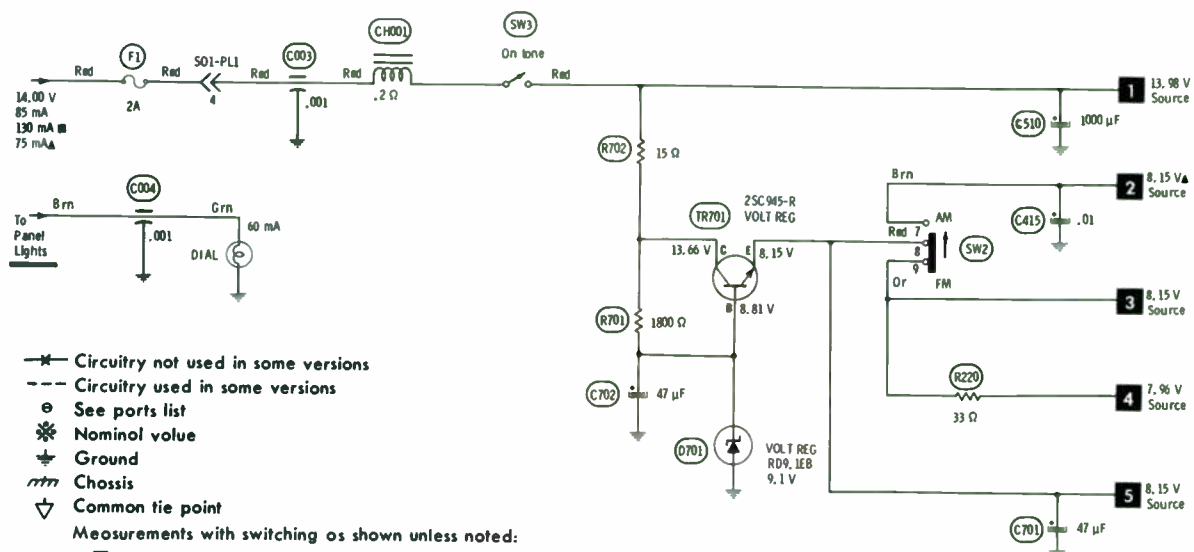
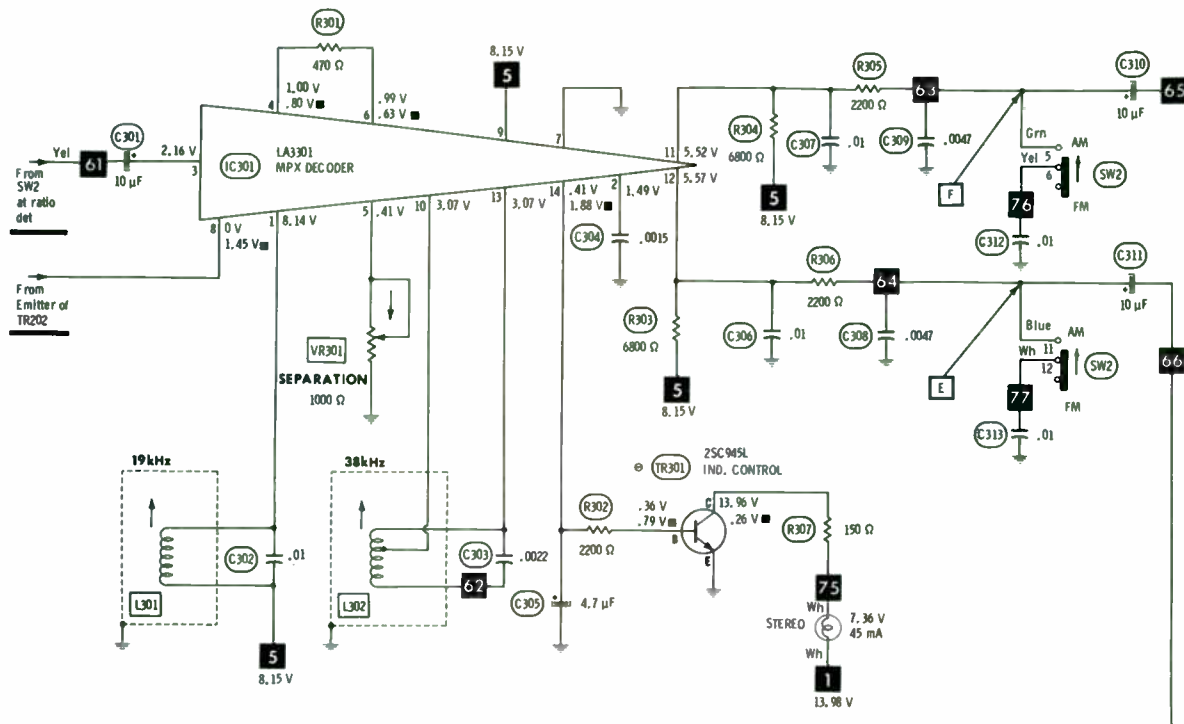
Measurements with switching as shown unless noted:

- FM Stereo signal
- ▲ AM
- Supply voltage maintained as shown at input.
- Voltages measured with digital meter, no signal.
- Controls adjusted for normal operation.
- Arrow at control indicates direction of advance.
- Terminal identification may not be found on unit.
- Resistors are 1/2W or less, 5% unless noted.
- Value in () used in some versions.

A PHOTOFACIT STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE**

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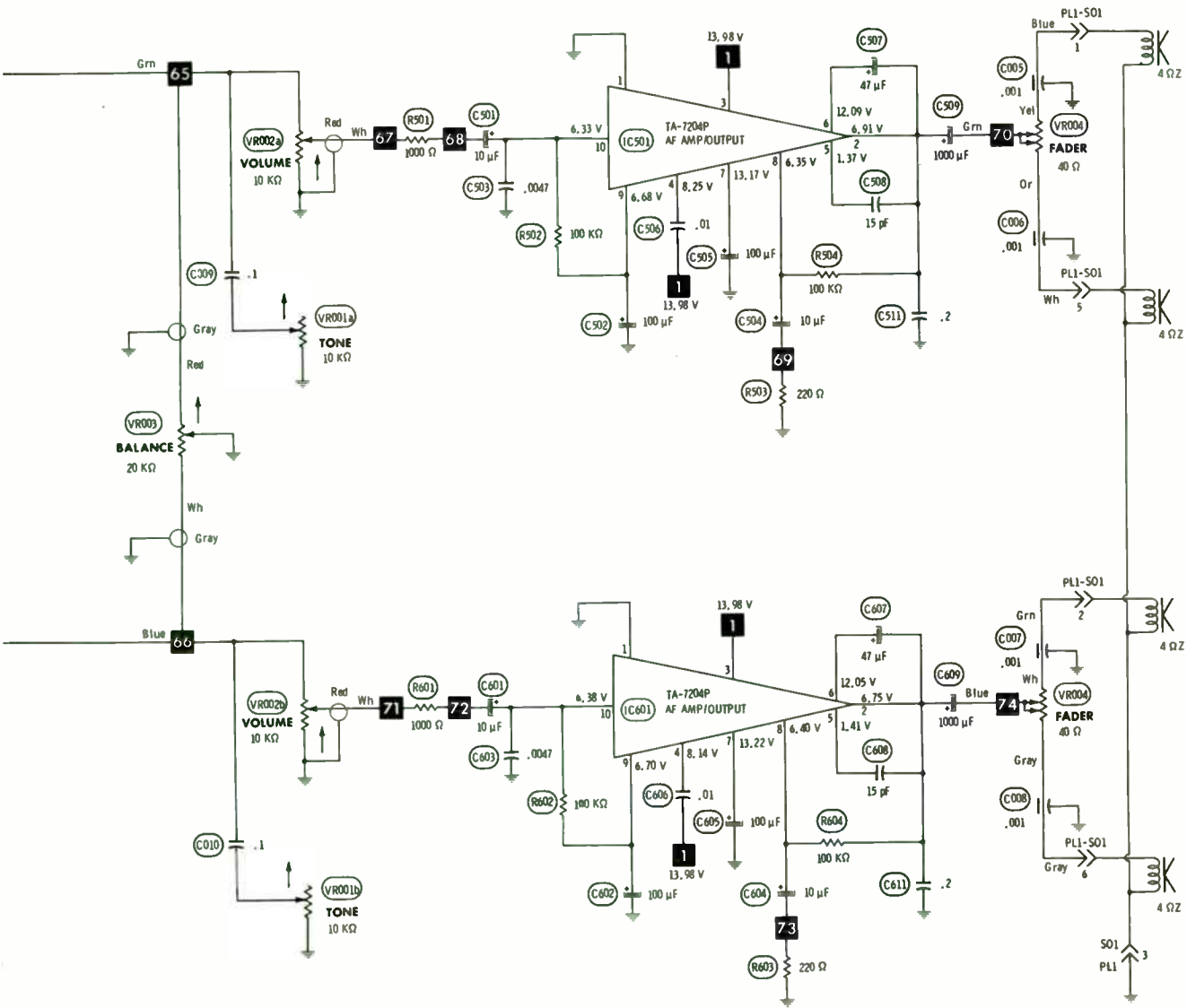




- Circuitry not used in some versions
 - - - Circuitry used in some versions
 - ⊙ See ports list
 - * Nominal value
 - ⊕ Ground
 - ▭ Chassis
 - ▽ Common tie point
- Measurements with switching as shown unless noted:
 ■ FM Stereo signal ▲ AM
- Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Arrow of control indicates direction of advance.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 5% unless noted.
 Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH CIRCUITRACE™

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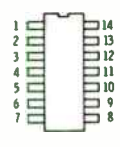
Terminal Guides



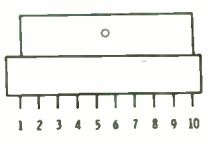
SW2
Rear View



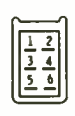
TR301, TR701
Bottom View



IC301
Top View



IC501, IC601
Side View



PL1-S01
Plug Pin View

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	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C001	20		DTZ-20	NP020	CN0420	10TCC-Q20
C002	20		DTZ-20	NP020	CN0420	10TCC-Q20
C003	.001					
C004	.001					
C005	.001					
C006	.001					
C007	.001					
C008	.001					
C009	.1 12V		DC-104	MGP1	MAG5001	TG-P10
C010	.1 12V		DC-104	MGP1	MAG5001	TG-P10
C101	5					
C102	33		DTZ-33	NP033	CN0433	10TCC-V50
C103	5					10TCC-Q33
C104	7					10TCC-V50
C105	10		DTZ-6R8	NP06P8	CN0568	10TCC-V68
C106	.01		DTZ-10	NP010	CN0410	10TCC-Q10
C107	.01		DC-103	GP10000	MAG5011	2SS-S10
C108	5		DC-103	GP10000	MAG5011	2SS-S10
C109	6		DTZ-6R8	NP06P8	CN0568	10TCC-V50
C110	15		DTZ-15	NP015	CN0415	10TCC-V68
C111	150		DTZ-150		CN0315	10TCC-Q15
C112	.01		DC-103	GP10000	MAG5011	10TCC-T15
C113	2		DTZ-103	NP02P2	CN0522	2SS-S10
C114	.01		DTZ-2R2	GP10000	MAG5011	10TCC-V22
C115	3 N750		DC-103	GP10000	MAG5011	2SS-S10
C116	22		DTZ-22	NP022	CN0422	10TCC-Q22
C117	.01		DC-103	GP10000	MAG5011	2SS-S10
C118	.01		DC-103	GP10000	MAG5011	2SS-S10
C119	2 N750					
C120	1 NPO					
C121	4 N750				CN0510	10TCC-V10
C123	.01		DC-103	GP10000	MAG5011	2SS-S10
C124	.01		DC-103	GP10000	MAG5011	2SS-S10
C125	.01		DC-103	GP10000	MAG5011	2SS-S10
C201	.01		DC-103	GP10000	MAG5011	2SS-S10
C202	33		DTZ-33	NP033	CN0433	10TCC-Q33
C203	.02		DC-203		MAG5012	2SS-S20
C204	.04				GP140	56A-S40
C205	.02		DC-203		MAG5012	2SS-S20
C206	.02		DC-203		MAG5012	2SS-S20
C207	.01		DC-103	GP10000	MAG5011	2SS-S20
C209	.02		DC-203		MAG5011	2SS-S10
C211	220		DD-221		MAG5012	2SS-S20
C212	220		DD-221		GP322	10TS-T22
C214	5		DD-221		GP322	10TS-T22
C215	5					10TCC-V50
C216	.01		DC-103	GP10000	MAG5011	10TCC-V50
C217	.01		DC-103	GP10000	MAG5011	2SS-S10
C218	.1		DC-104	MGP1	MAG5001	2SS-S10
C302	.01					TG-P10
C303	.0022				SX110	
C304	.0015				SX222	424ME2201J501
C306	.01		DD-152		GP215	2SS-D15
C307	.01		DC-103	GP10000	MAG5011	2SS-S10
C308	.0047		DC-103	GP10000	MAG5011	2SS-S10
C309	.0047		DD-472	GP4700	GP247	2SS-S10
C312	.01		DD-472	GP4700	GP247	2SS-D47
C313	.01		DC-103	GP10000	GP247	2SS-D47
C401	.0047		DC-103	GP10000	MAG5011	2SS-S10
C402	.047		DD-472	GP4700	MAG5011	2SS-S10
C403	100		DC-503	MGP05	MAG5015	2SS-D47
C404	.0015		DTZ-100	NP0100	MAG5015	TGL-S50
C405	.01 10%		DD-152		CN0310	10TCC-T10
C406	.001 10%				GP215	2SS-D15
C407	.0047 10%					10TS-S10
C408	200 N470		DD-102		GP210	10TS-O10
C409	.047					10TS-D47
C410	.0047		DC-503	MGP05	*	10TCT-T20
C411	.0047		DD-472	GP4700	MAG5015	TGL-S50
C413	.047		DD-472	GP4700	GP247	2SS-D47
C415	.01		DC-503	MGP05	GP247	2SS-D47
C503	.0047		DC-503	MGP05	MAG5015	TGL-S50
			DC-103	GP10000	MAG5011	2SS-S10
			DD-472	GP4700	GP247	2SS-S10

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(cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C506	.01		DC-103	GP10000	MAG5011	2SS-S10
C508	15		DTZ-15	NP015	CN0415	10TCC-Q15
C511	.2 12V			DPMS2P2	PVC602	2PS-P20
C603	.0047		DD-472	GP4700	GP247	2SS-D47
C606	.01		DC-103	GP10000	MAG5011	2SS-S10
C608	15		DTZ-15	NP015	CN0415	10TCC-Q15
C611	.2 12V			DPMS2P2	PVC602	2PS-P20
TC001	60					
TC101	10					
TC102	10					
TC103	10					
TC401	70					
TC402	70					

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

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR001a	Tone-Left	10K	(18)				
VR001b	Tone-Right/Power Switch	10K	(18)				
VR002a	Volume-Left	10K	(18)				
VR002b	Volume-Right/Loc-Dist Switch	10K	(18)				
VR003	Balance	20K					
VR004a	Fader	40 2W	(19)				
VR004b	Fader	40 2W	(19)				
VR201	Bias	5000					
VR301	Separation	1000					

(18) Includes VR001a, VR001b, VR002a, VR002b.

(19) Includes VR004a, and VR004b.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
CF401	IF (455kHz)				(1) Part of M1 (Tuner).
L001	AM Ant Choke (8.2uH)			70F826AI	
L101	FM Ant	(1)			
L102	FM RF	(1)			
L103	FM Oscillator	(1)			
L104	10.7MHz Trap (1.5uH)			74F156AP	
L301	19kHz				
L302	38kHz				
L401	AM Antenna	(1)			
L403	AM RF	(1)			
L404	Image Trap (4.7uH)			70F476AI	
L405	AM Osc Tuning	(1)			
T101	IF (10.7MHz)				
T201	IF (10.7MHz)				
T202	Ratio Detector (Pri.)				
T203	Ratio Detector (Sec.)				
T401	AM Oscillator				
T402	IF (455kHz)				

AFCC MODEL SCX-900

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~)	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
CH001	130mA	.2	.2mH				

FUSE DEVICES

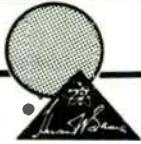
ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	2A			312002	150145	AGC2	HDJ	FG2-2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1 S1 S2 S3	Tuner Switch Switch Switch		AM/FM Loc-DX (On Volume) AM-FM Selector Power (On Tone)

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.)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index



MODEL QD-1000

NOTE:

Chassis 136-1022 is basic unit for all models listed

- | | |
|---|---------------------------------|
| BKS-75-QDX (75 Buick) | FO-75-QDX (75 Ford, Mercury) |
| BU-75-QDX (75 Buick) | FTR-75-QDX (75 Mercury) |
| CAD-75-QDX (75 Cadillac) | LCO-75-QDX (75 Lincoln) |
| CH-75-QDX (75 Chevrolet) | MAT-75-QDX (75 American Motors) |
| CVA-75-QDX (75 Chevrolet) | OL-75-QDX (75 Oldsmobile) |
| DCF-75-QDX (75 Chrysler, Dodge, Plymouth) | OLF-75-QDX (75 Oldsmobile) |
| DMO-75-QDX (75 Chrysler, Dodge, Plymouth) | PAT-75-QDX (75 American Motors) |
| FGA-75-QDX (75 Ford, Mercury) | PGP-75-QDX (75 Pontiac) |
| FMK-75-QDX (75 Ford, Mercury) | PO-75-QDX (75 Pontiac) |
| | QD-1000 (Universal) |

CLEANING LUBRICATING HEAD DEMAGNETIZING

Refer to "General Servicing Information" on Page 4.

ADJUSTMENTS

ADJUST	REMARKS
Head Azimuth	Play a test cartridge and adjust B1 for maximum on an AC VTVM across output.
Head Height	Play a test cartridge, follow instructions with cartridge, and adjust B2 for proper response.

TROUBLE CHART

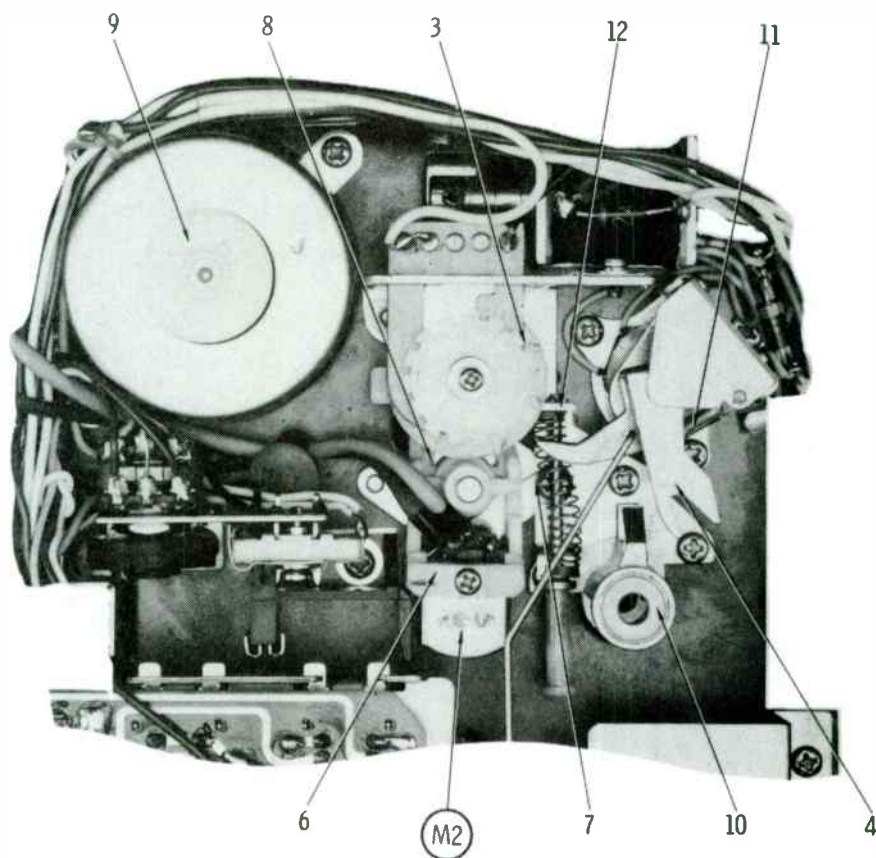
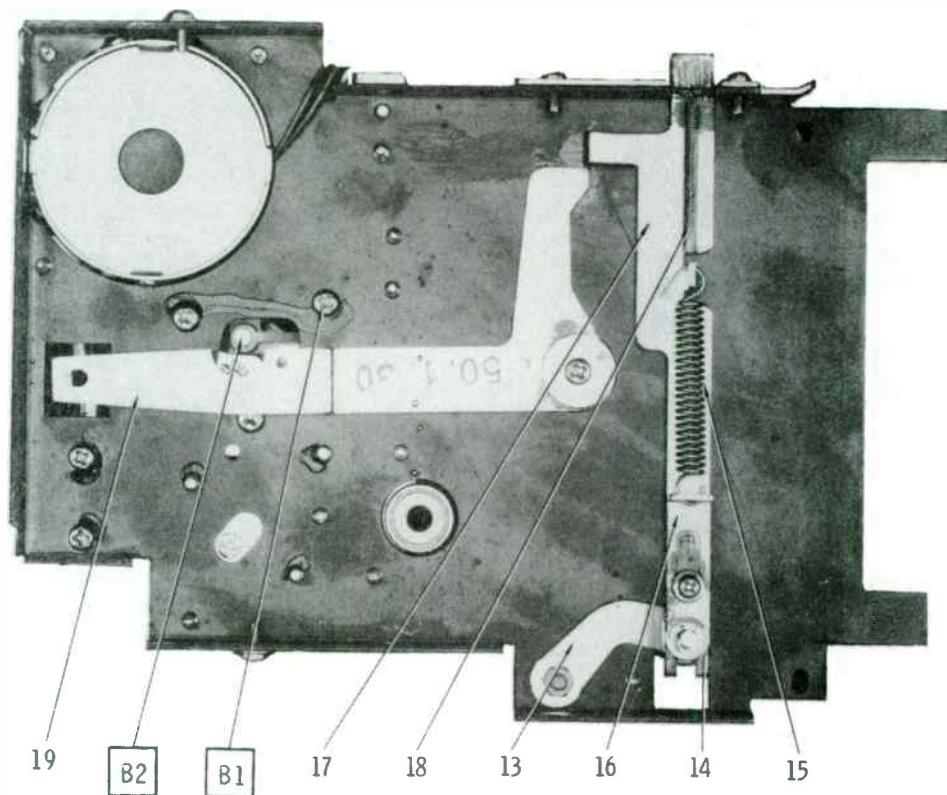
SYMPTOM	REMARKS
Capstan does not rotate.	Belt (1) dirty, worn, or broken. Assembly (10) binding. Motor defective or not supplied with power.
Track-shift mechanism inoperative	Switch (S10) dirty. Cam (3) binding or worn. Pawl (4) worn. Assembly (6) binding. Solenoid (L13) defective or not supplied with power. Cartridge defective.
Wow or flutter	Belt (1) dirty or worn. Capstan dirty or binding. Cartridge defective. Motor defective.
Sound weak or distorted	Head dirty, misaligned, or defective. Cartridge defective. Amplifiers defective.
Tape is pulled from cartridge.	Cartridge defective. Capstan dirty or scored.
Cartridge ejector defective	Ejector mechanism binding. Solenoid defective. Ejection circuit defective.

MECHANICAL PARTS LIST See Page 39

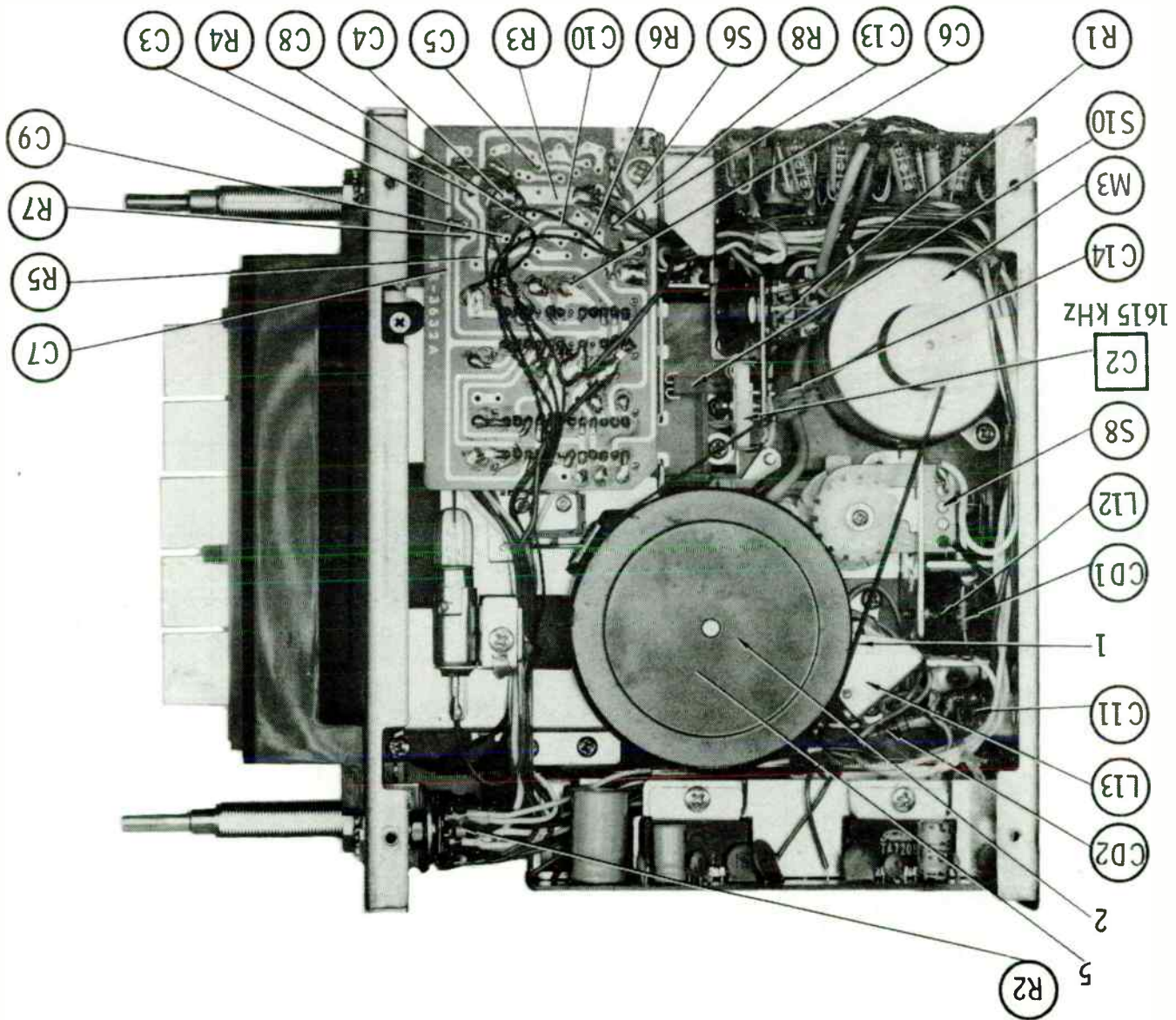
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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AUDIOVOX 1975 SERIES



TAPE MECHANICAL



CHASSIS-BOTTOM VIEW

ALIGNMENT INSTRUCTIONS

Check for specified source voltage.

Use only enough generator output

to provide a usable indication.

Suggested Alignment Tools: GC ELECTRONICS:

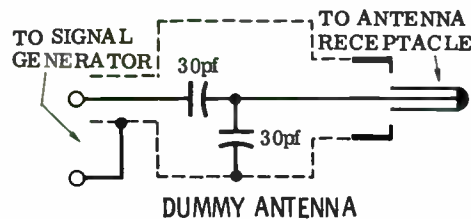
ALL.....8290,8868,9087

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 .1uF to point A low side to ground.	262kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T104 T103	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	C159, C151,C2	"
Thru dummy antenna to antenna input.	600kHz	Tune to signal	Output meter across voice coil.	L104	Adjust for maximum. Repeat alignment until no further improvement is noted.

With radio installed in car and antenna extended 36", tune in a weak station near 1400kHz and adjust C2 for maximum output. Antenna adjustment C2 is located inside tape door left rear corner.



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

High side of generator thru .001uF 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.	(1) T101, T102	Adjust for maximum.

(1) Before adjusting, vary generator frequency slightly. Maximum output indicates exact IF.

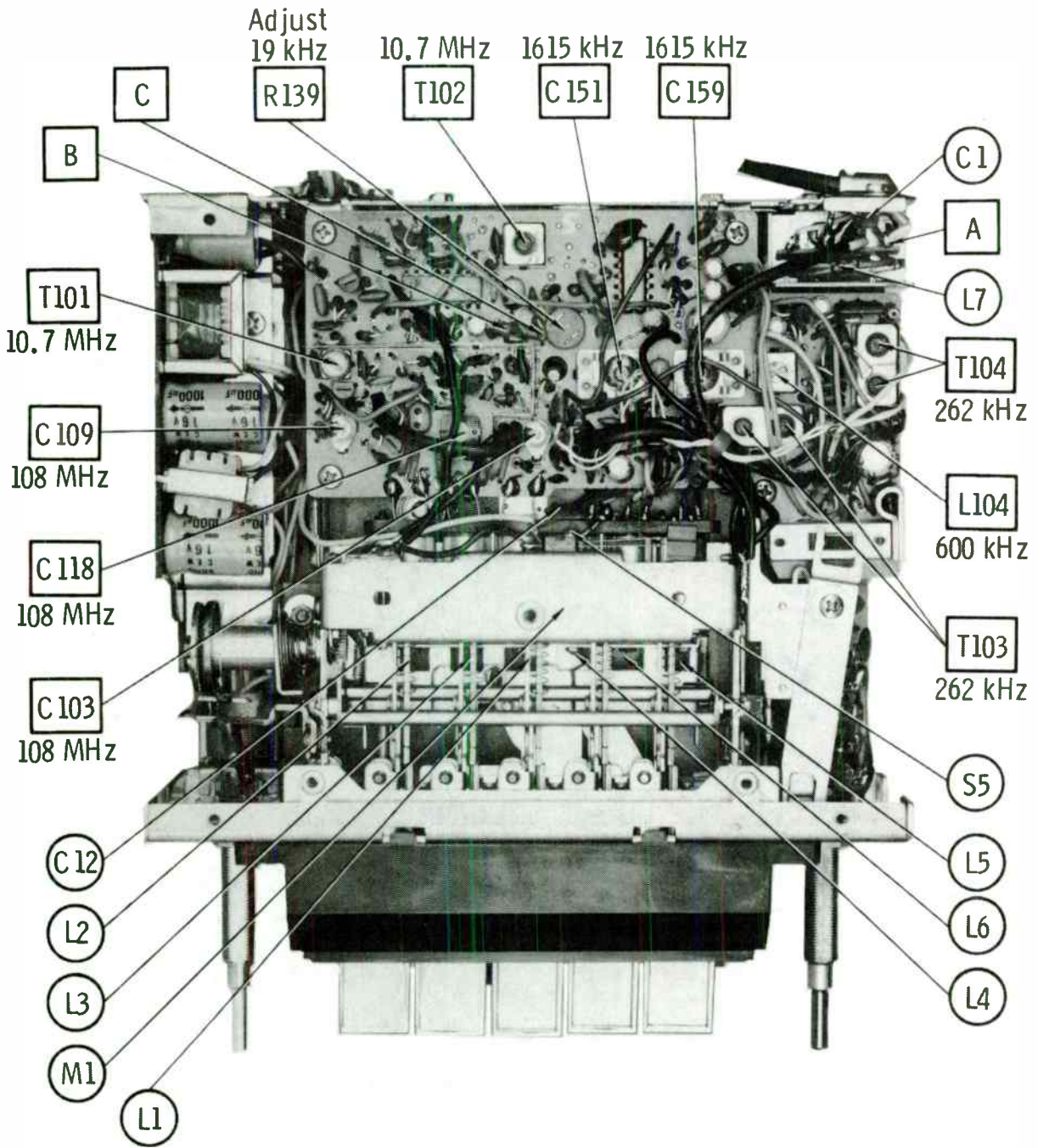
FM RF ALIGNMENT—SELECTOR IN FM POSITION

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.

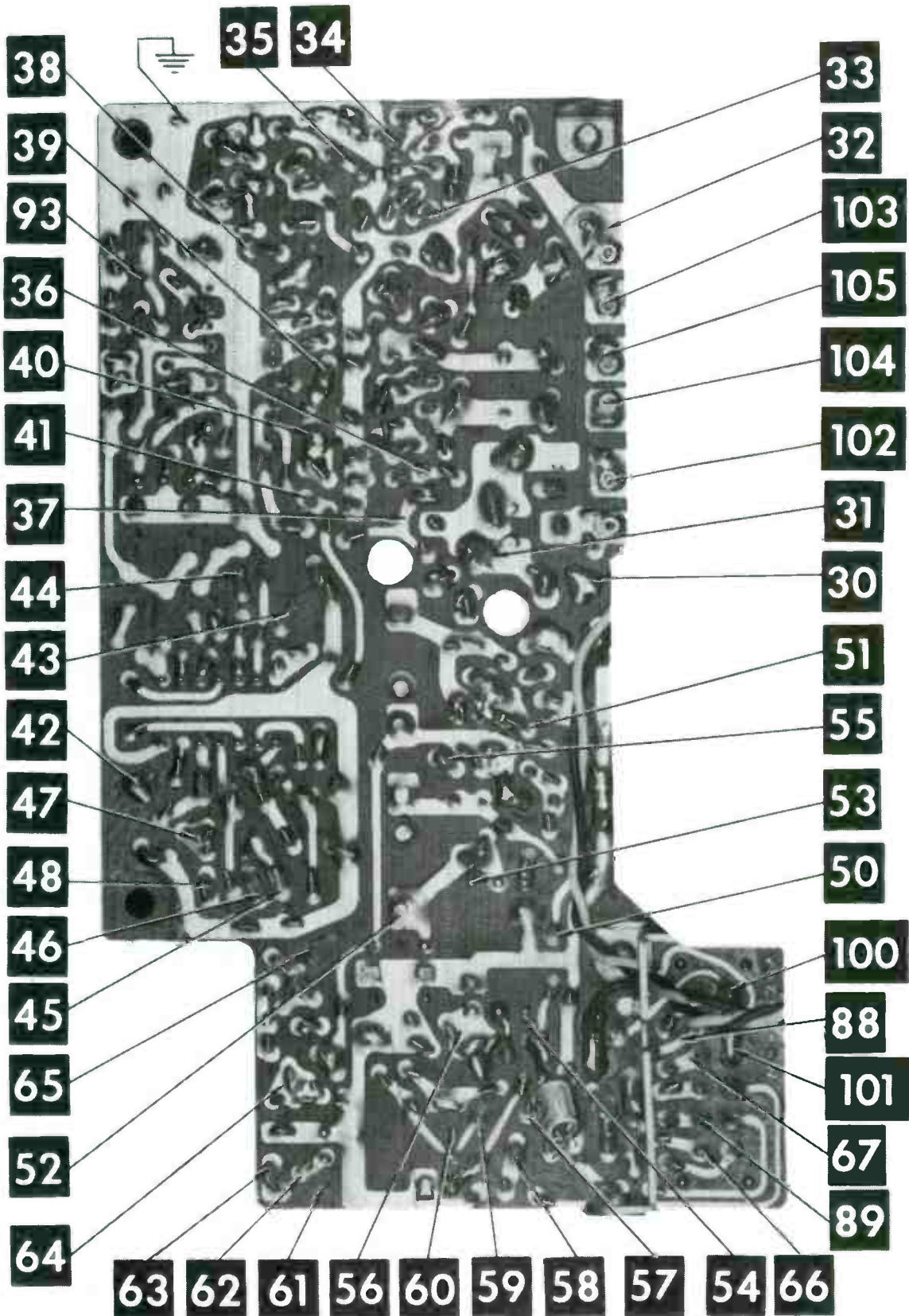
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
108MHz Unmodulated	Tune to Signal	DC probe of VTVM to point B.	C118,C109, C103	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

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

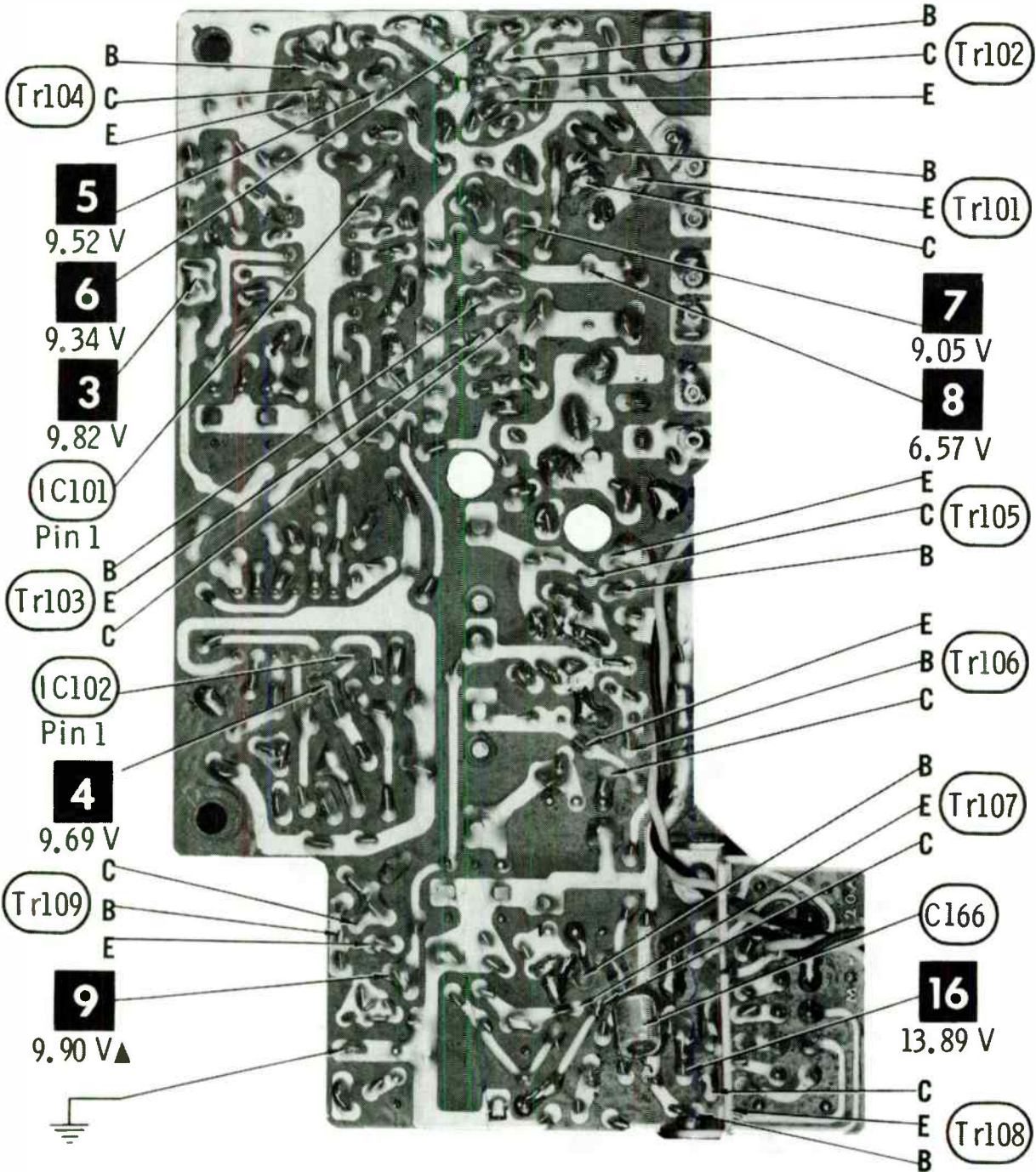
Ground point B. Connect frequency counter to point C. Adjust R139 for 19kHz ±20Hz.



CHASSIS-TOP VIEW

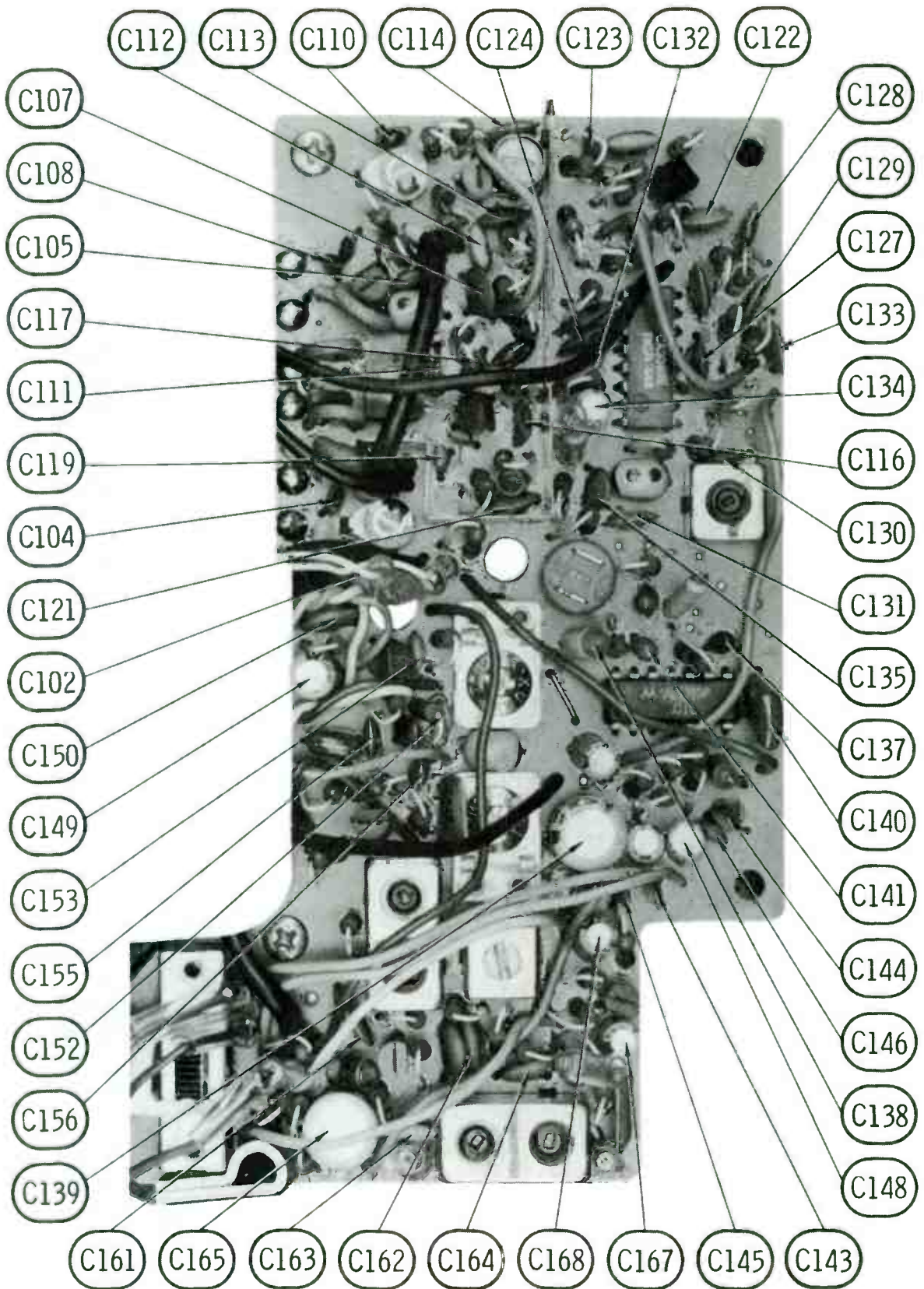


AM-FM BOARD

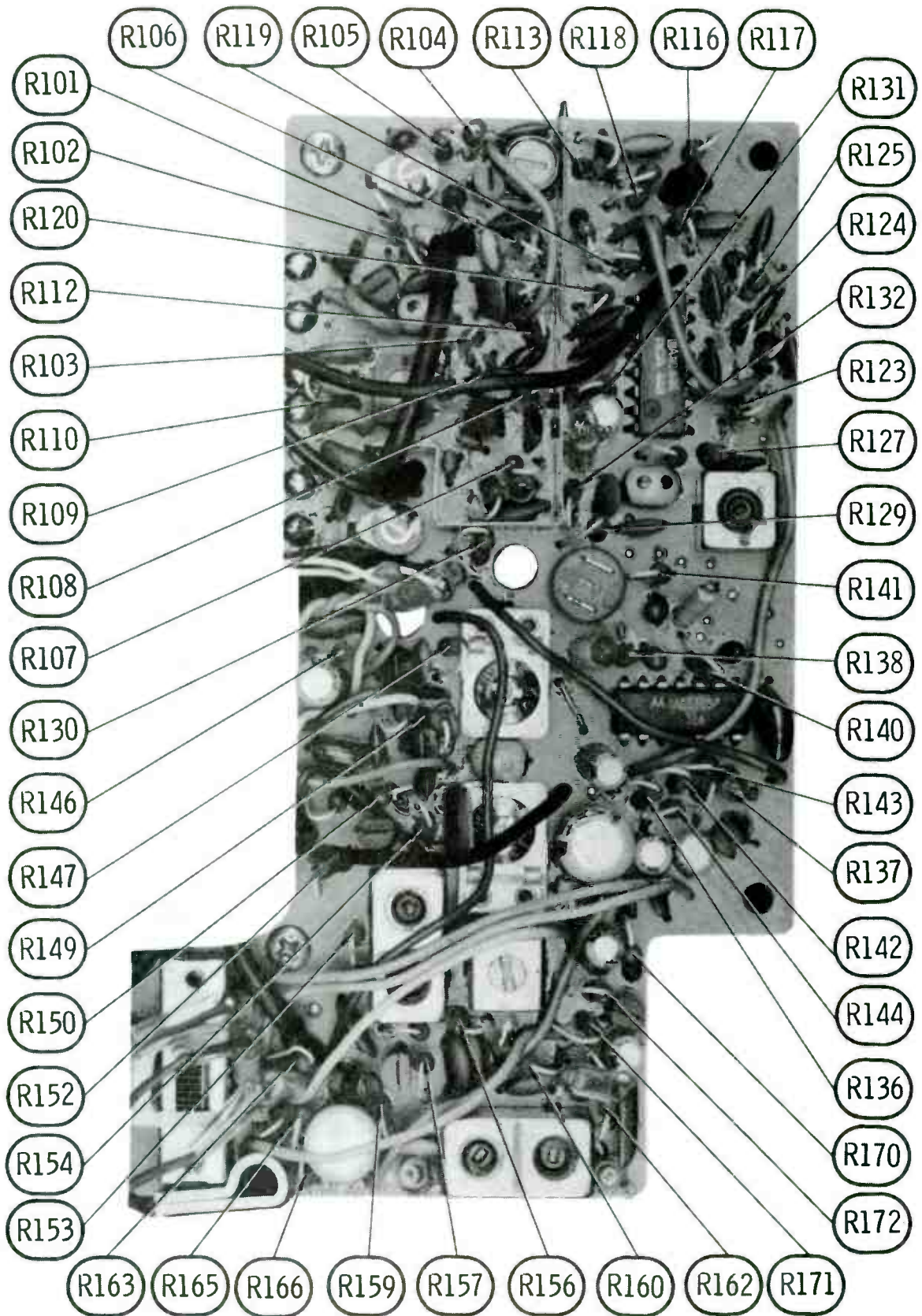


AUDIOVOX 1975 SERIES

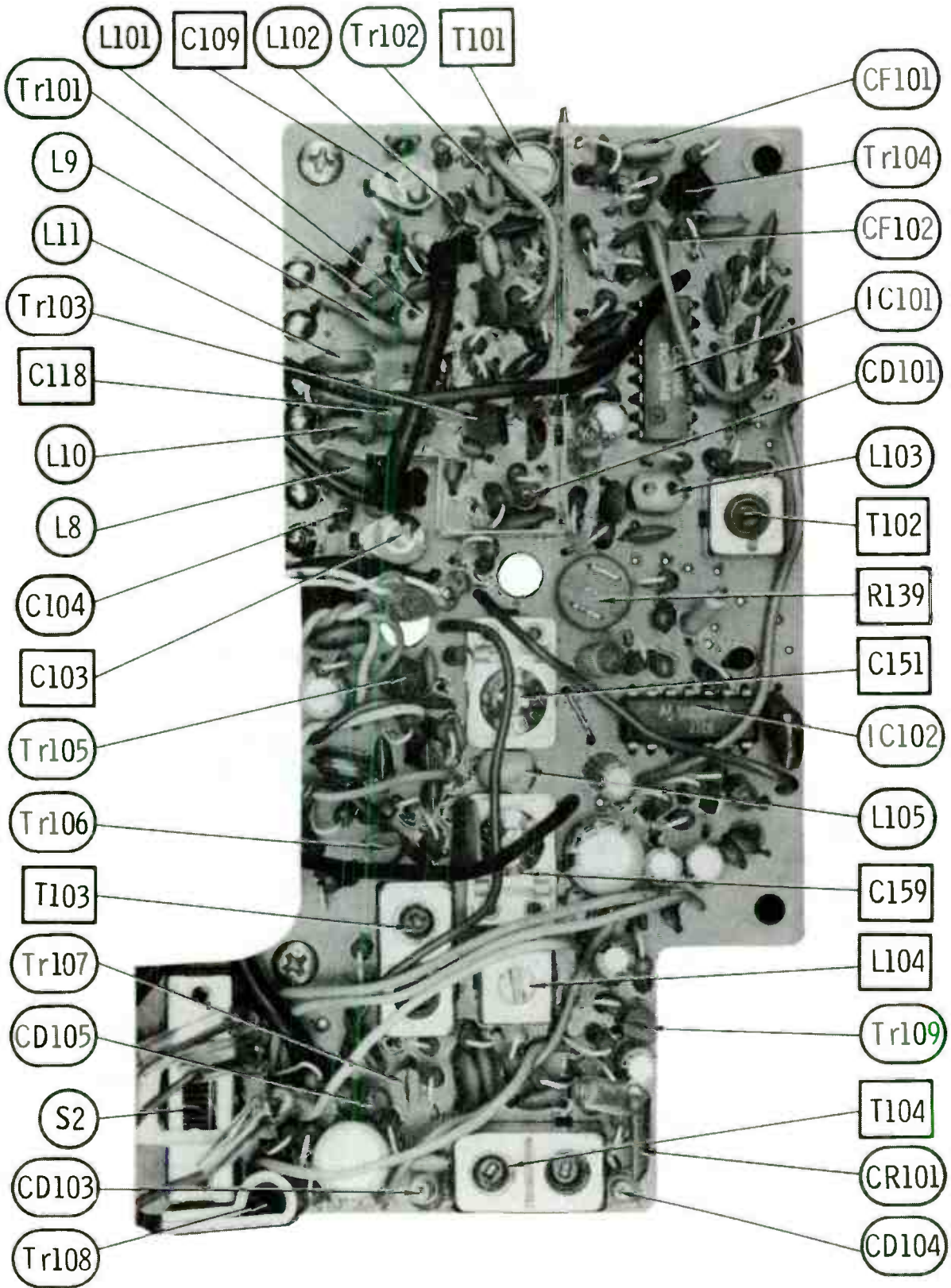
AM-FM BOARD



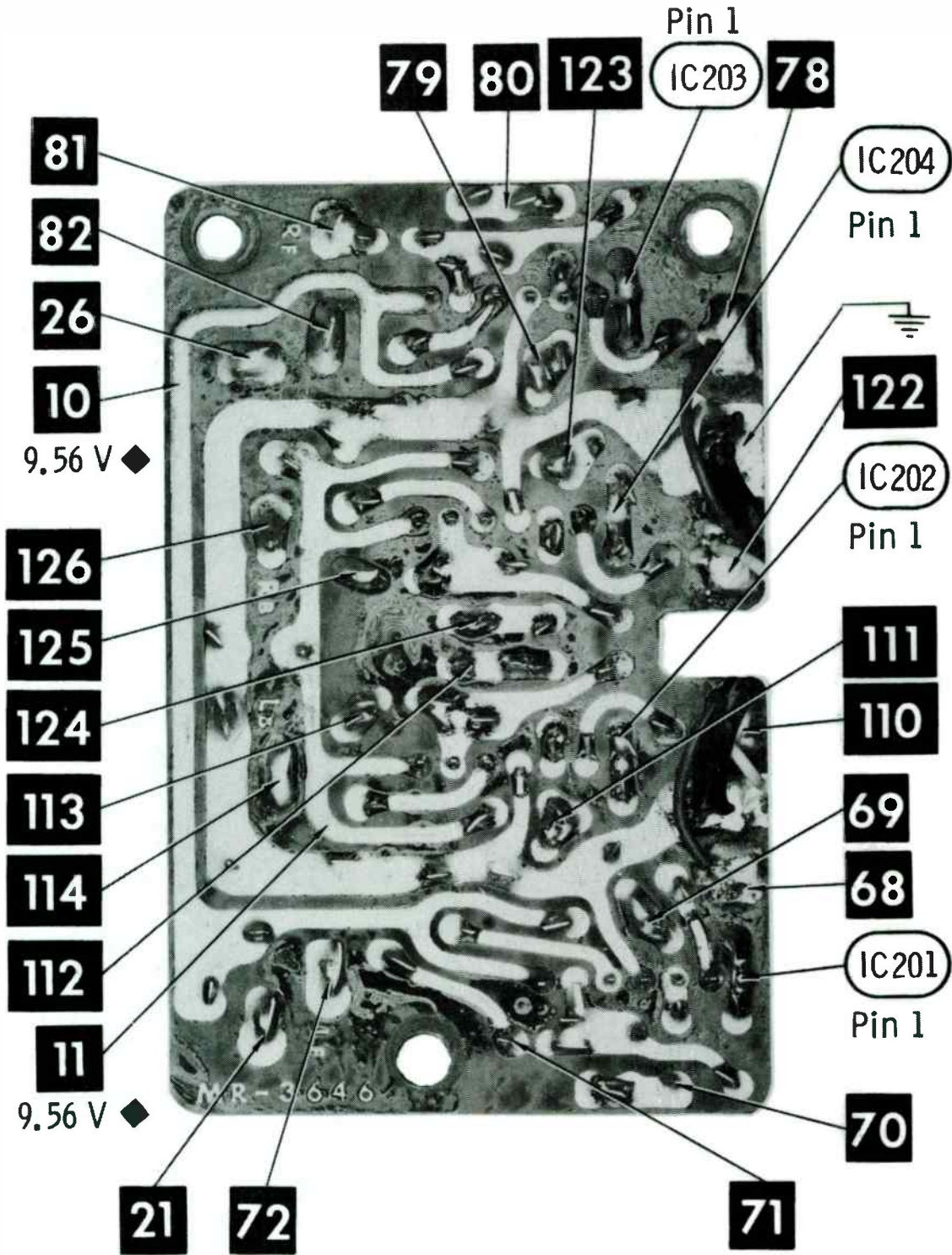
AM-FM BOARD



AM-FM BOARD

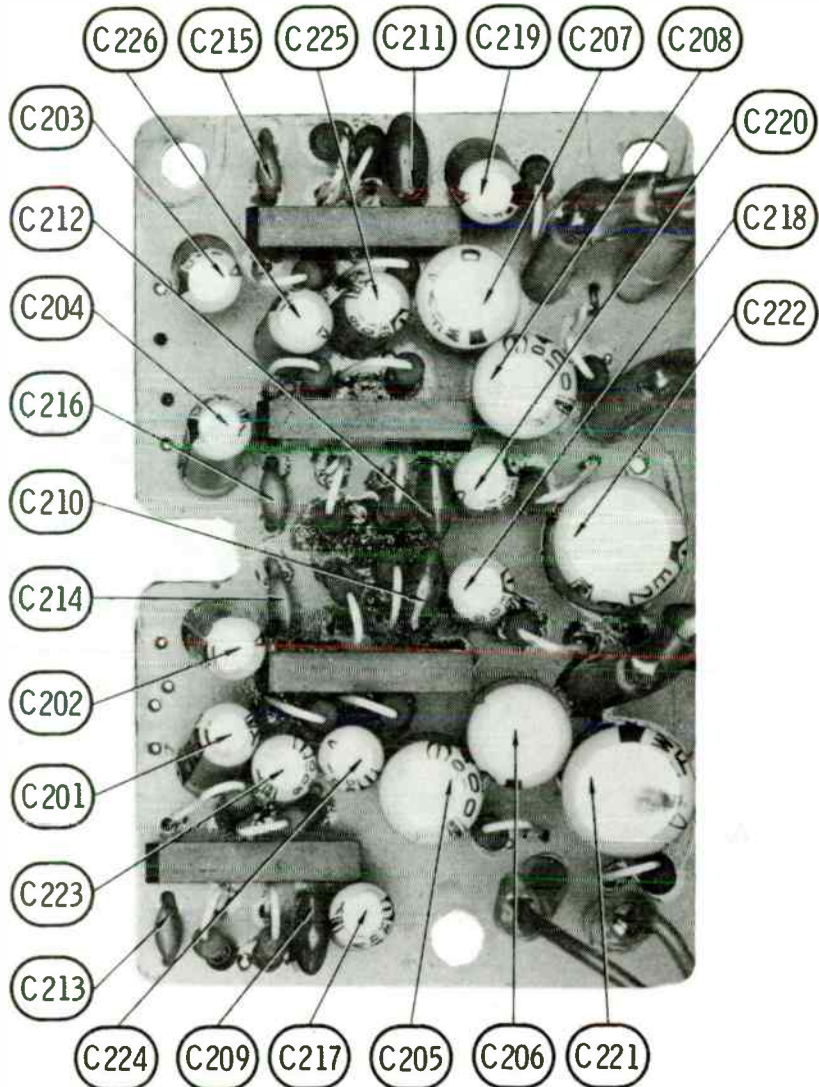
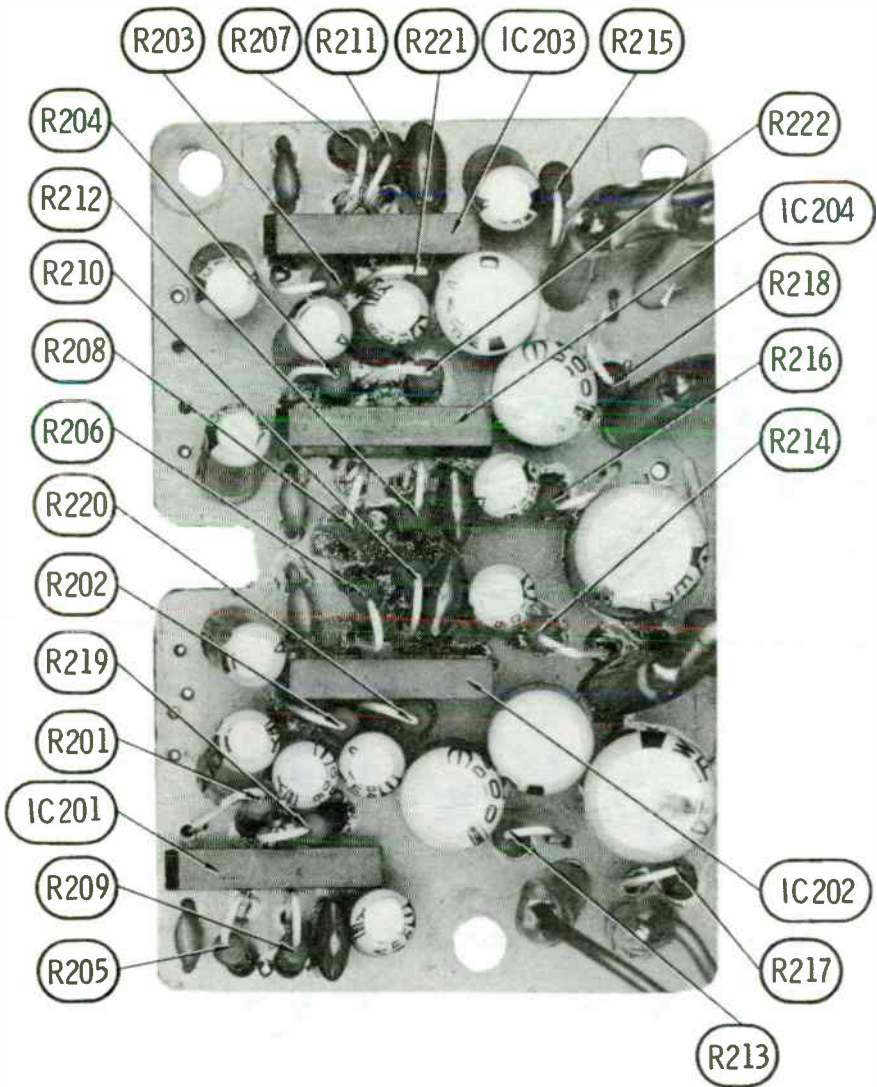


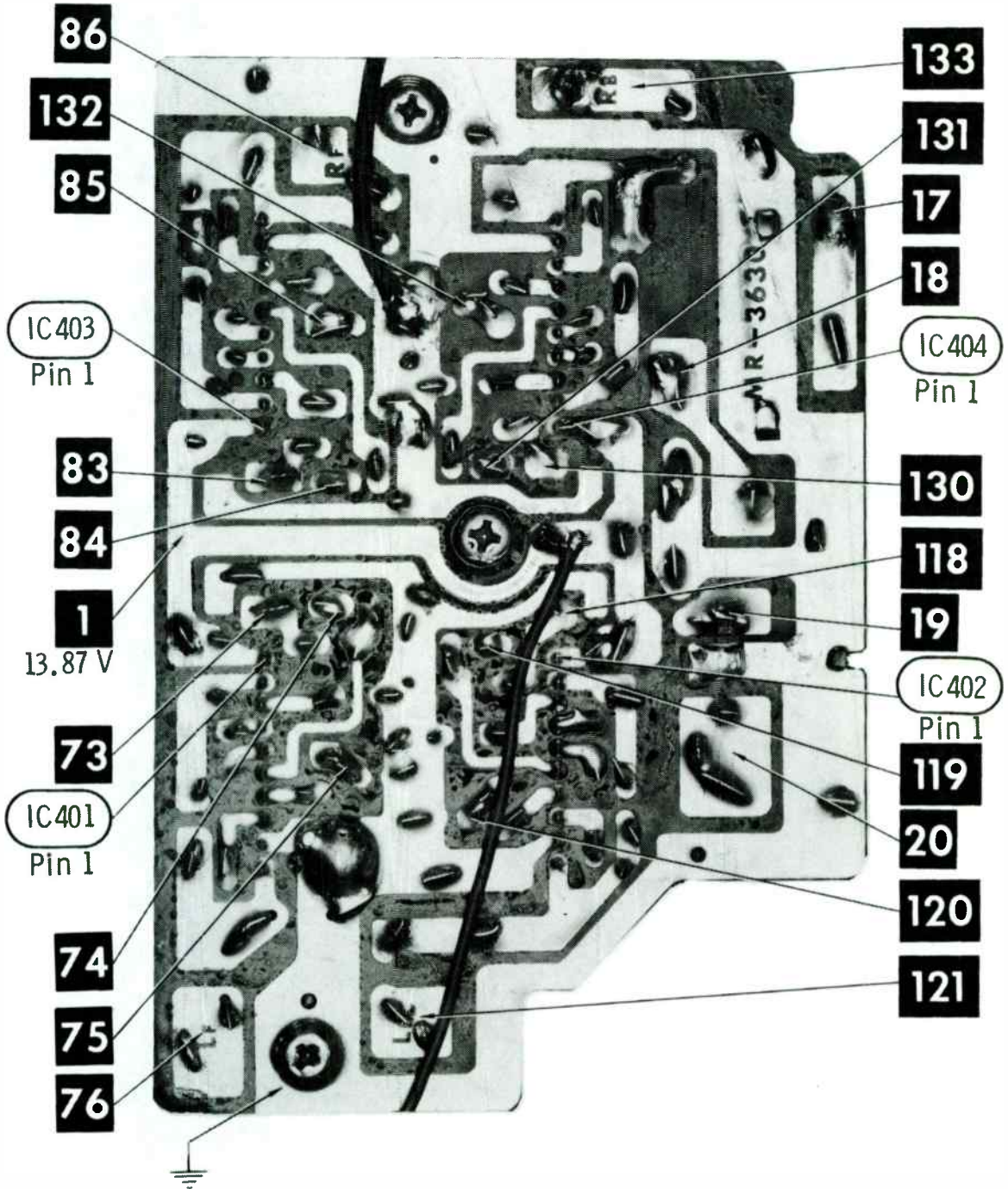
AM-FM BOARD



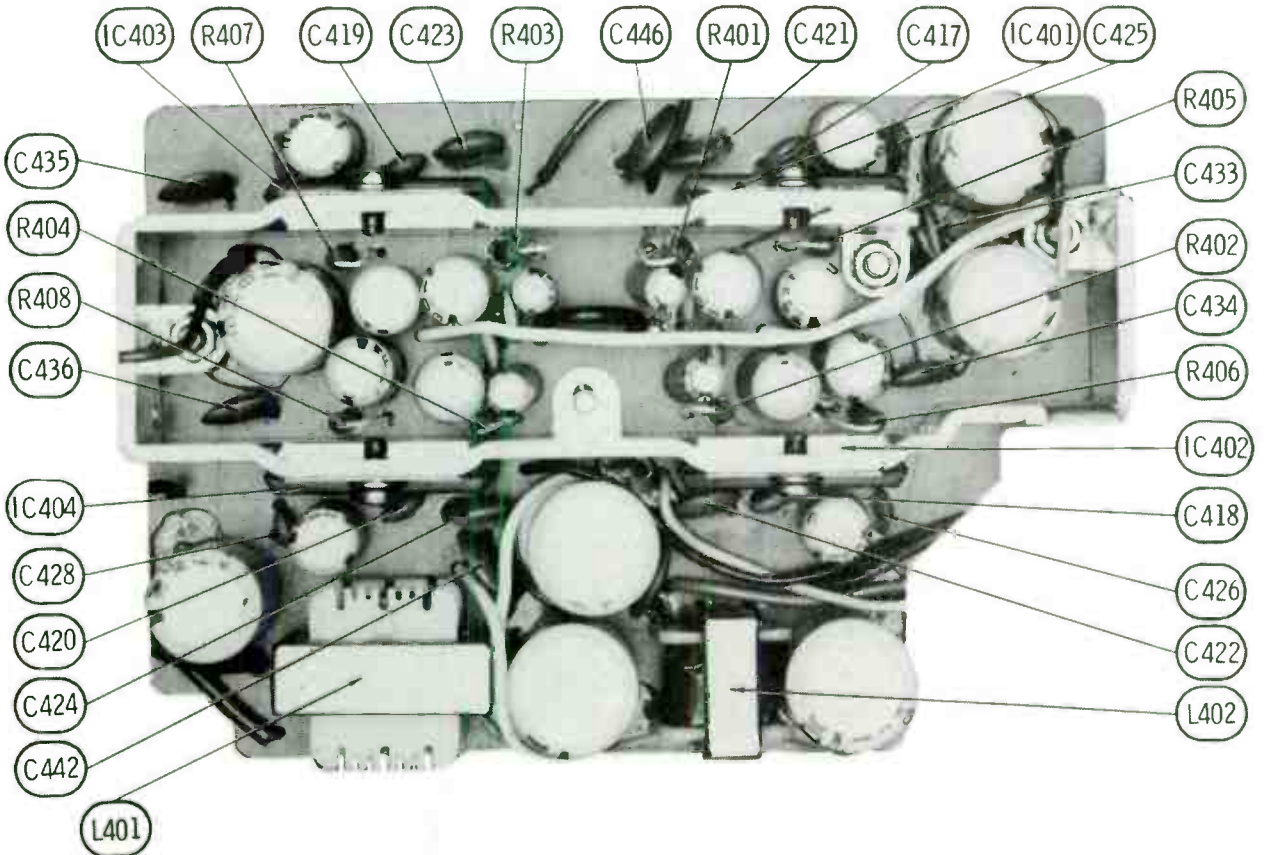
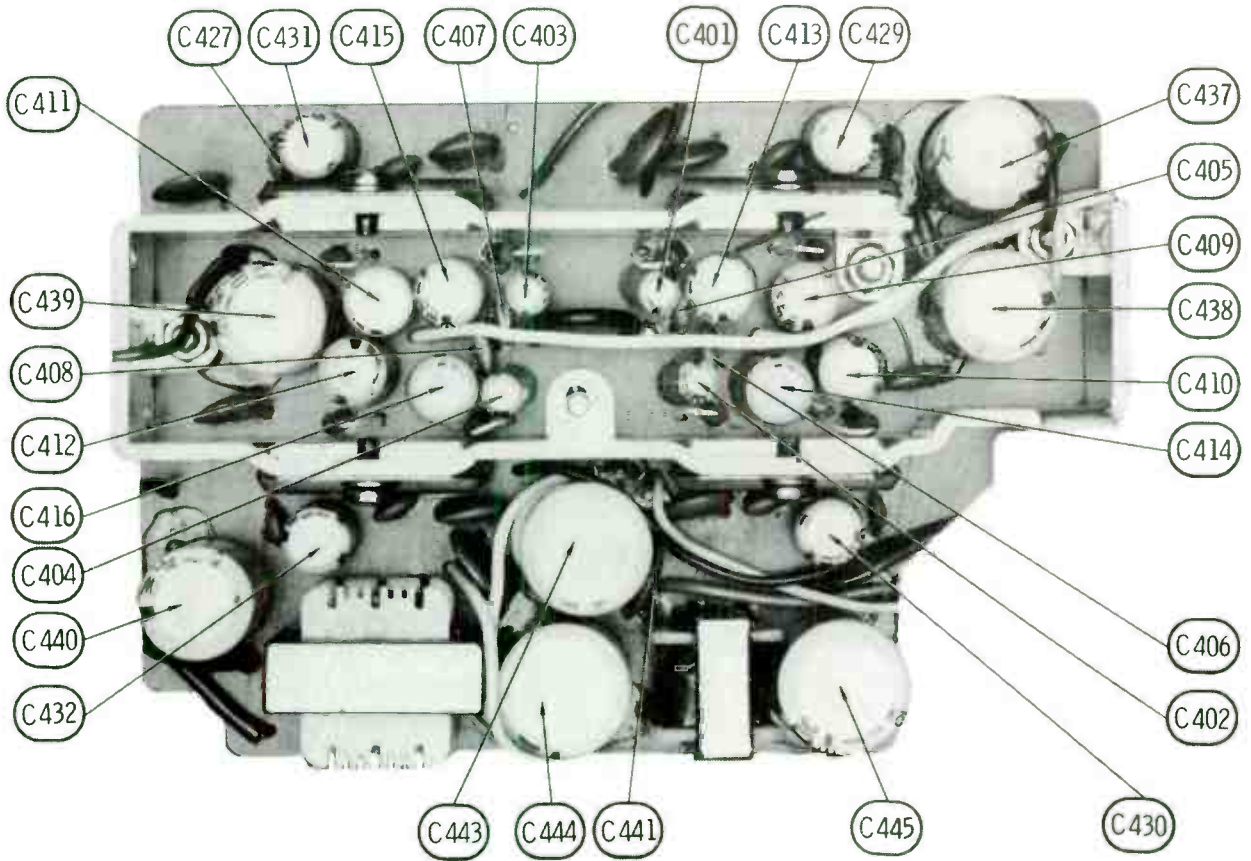
◆ TAPE

PREAMP BOARD

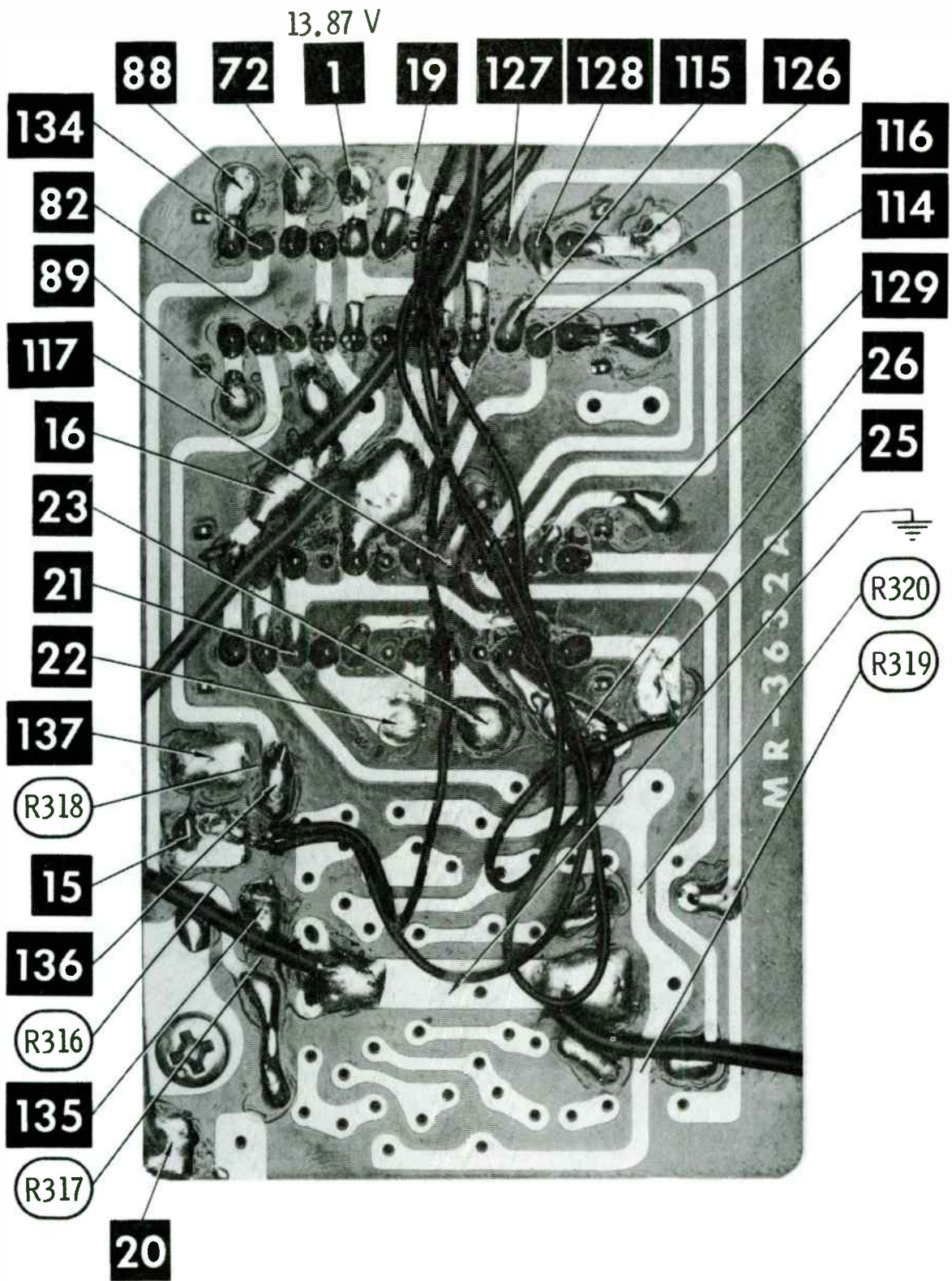




OUTPUT BOARD



OUTPUT BOARD



SWITCH BOARD

MECHANICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1*	45810-183*	Flywheel Drive Belt*	11	(1)	Pawl Spring
2	45810-203	Flywheel	12	45810-268	Eject Plunger Assembly
3	29810-208	Track Changing Cam Assembly	13	45810-207	Cartridge Jetent Arm
4	(1)	Pawl	14	(2)	Detent Roller
5	45810-192	Pawl Drive Cam	15	(3)	Detent Spring
6	45810-206	Head Shifting Assembly	16		Detent Spring Arm
7	45810-259	Azimuth Adjustment Spring	17	45810-218	Eject Slide Arm
8		Head Lifting Spring	18		Slide Arm Spring
9	45810-235	Motor Pulley	19	45810-229	Eject Locking Lever
10	45810-182	Flywheel Housing Assembly			

* Flywheel Drive Belt: E-V/GAME Replacement Number 1407-71
WALSCO Replacement Number 1424-21

- (1) Part of Assembly Part Number 45810-74
- (2) Part of Assembly Part Number 45810-207
- (3) Part of Assembly Part Number 45810-218

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.

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
CD1	S1801	45810-51	GE-504A	5A4D	PTC201	HEPRD052	RE 49	SK3030	RT-213	ECG116
CD2	S1801	45810-51	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
CD101	1T-410	45810-52	GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	
CD103	1N60P	45810-53	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CD104	1N60P	45810-53	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
CD105	02Z-10A	45810-54	GEZD-10	Z1210	ZB10A	HEPZ0413	RE 115	SK3061	RT-241	ECG140
IC101	CA-3089E	45810-167			PTC767			SK3147	TVCM-39	ECG788
IC102	MC-1310P	45810-168	GEIC-35		PTC735	HEPC6096P		SK3160		ECG801
IC201	TA-7120P	45810-169	GEIC-108							ECG1087
IC202	TA-7120P	45810-169	GEIC-108							ECG1087
IC203	TA-7120P	45810-169	GEIC-108							ECG1087
IC204	TA-7120P	45810-169	GEIC-108							ECG1087
IC401	TA-7205P	45810-170	GEIC-179		PTC780					ECG1155
IC402	TA-7205P	45810-170	GEIC-179		PTC780					ECG1155
IC403	TA-7205P	45810-170	GEIC-179		PTC780					ECG1155
IC404	TA-7205P	45810-170	GEIC-179		PTC780					ECG1155
TR101	2SK49	45810-161	GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG312
TR102	2SC922	45810-162	GE-62	TR-21	PTC136	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR103	2SC922	45810-162	GE-62	TR-21	PTC136	HEPS0015	RE 13	SK3018	RT-107A	ECG123A
TR104	2SC839	45810-163	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-109	ECG123A
TR105	2SC941R	45810-164	GE-210	(IR)2SC380A0	PTC132	HEPS0016	RE 192	SK3122	RT-107A	ECG199
TR106	2SC839	45810-163	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-109	ECG123A
TR107	2SC839	45810-163	GE-61	(IR)2SC644	PTC132	HEPS0015	RE 13	SK3018	RT-109	ECG123A
TR108	2SD261	45810-165	GE-63	TR-25	PTC127	HEPS3024	RE 196	SK3137	RT-114	ECG192
TR109	2SC945	45810-166	GE-20	(IR)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199

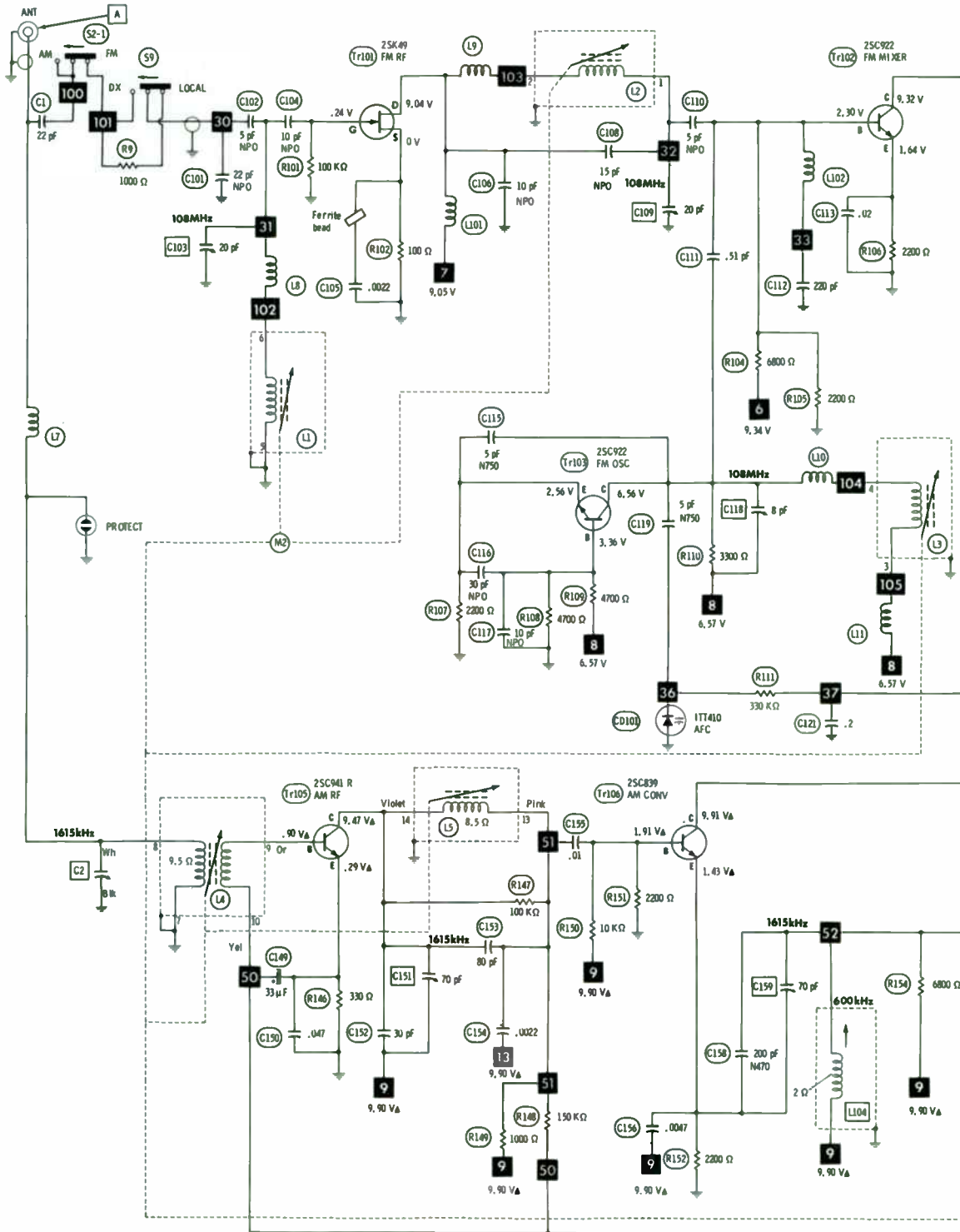
AUDIOVOX 1975 SERIES

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C134	1 50V	45810-20	PC1-50	VTT1863	EV-1615
C136	1 50V	45810-20	PC1-50	VTT1863	EV-1615
C137	2.2 25V	45810-22		TDC225M035FL	SD35-2R29
C139	220 16V	45810-24	PC250-25	VTT220G16	EV-1240
C141	.22 35V	45810-26		TDC224M050EL	SD50-R229
C142	.47 35V	45810-27		TDC474M050EL	SD50-R479
C147	1 50V	45810-20	PC1-50	VTT1863	EV-1615
C148	1 50V	45810-20	PC1-50	VTT1863	EV-1615
C149	33 6.3V	45810-29	PC30-25	VTT33A10	EV-1125
C165	100 16V	45810-37	PC100-16	VTT100F16	EV-1230
C166	220 16V	45810-24	PC250-25	VTT220G16	EV-1240
C167	3.3 35V	45810-38	PC5-50	VTT3R3A50	EV-1618
C168	3.3 35V	45810-38	PC5-50	VTT3R3A50	EV-1618
C201	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C202	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C203	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C204	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C205	100 10V	45810-40	PC100-10	VTT100E10	EV-1130
C206	100 10V	45810-40	PC100-10	VTT100E10	EV-1130
C207	100 10V	45810-40	PC100-10	VTT100E10	EV-1130
C208	100 10V	45810-40	PC100-10	VTT100E10	EV-1130
C217	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C218	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C219	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C220	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C221	220 16V	45810-24	PC250-25	VTT220G16	EV-1240
C222	220 16V	45810-24	PC250-25	VTT220G16	EV-1240
C223	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C224	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C225	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C226	10 16V	45810-39	PC10-25	VTT10A25	EV-1222
C401	1 50V	45810-20	PC1-50	VTT1863	EV-1615
C402	1 50V	45810-20	PC1-50	VTT1863	EV-1615
C403	1 50V	45810-20	PC1-50	VTT1863	EV-1615

CONTINUED ON PAGE 46

NOTE: DEMAGNETIZE HEADS AFTER SERVICING



Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Arrow at control indicates direction of advance.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 10% unless noted.
 Value in () used in some versions.

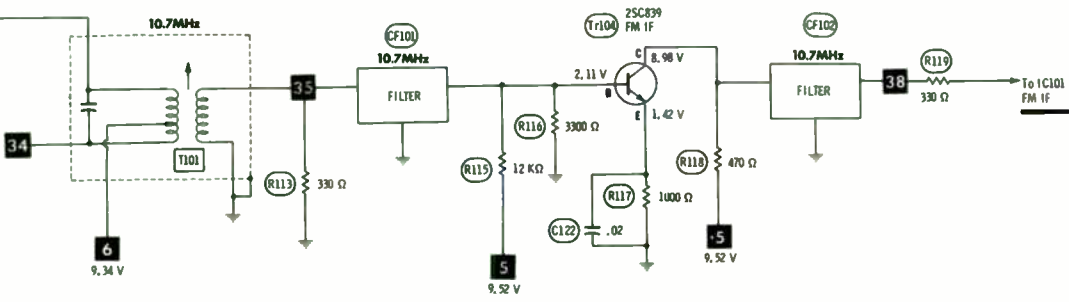
A PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH **CIRCUITRACE**

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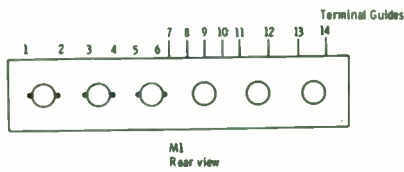
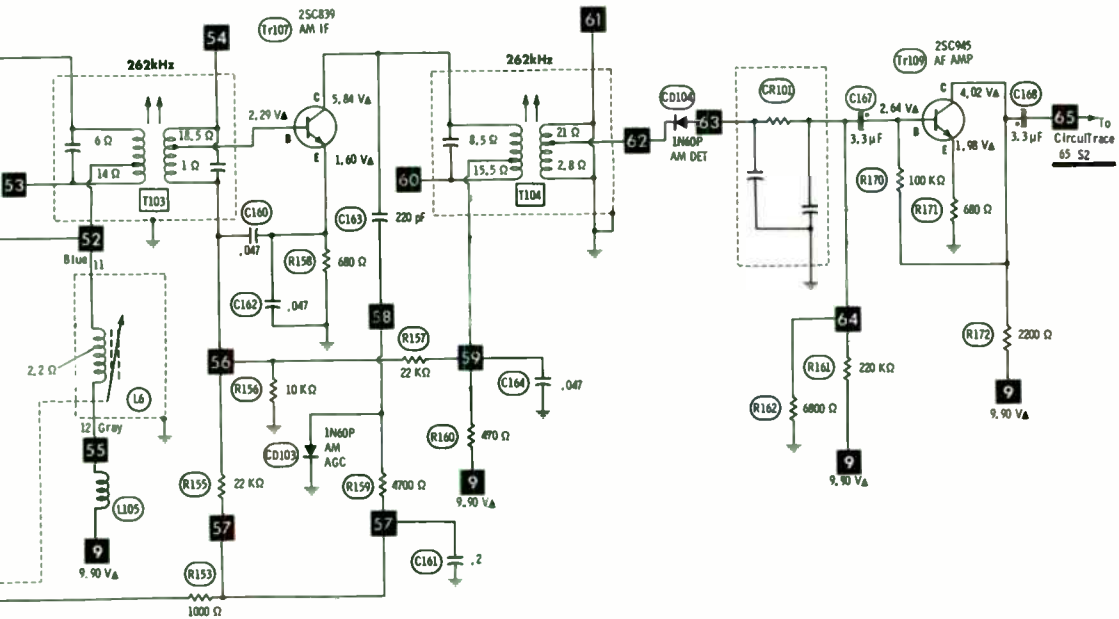
- *— Circuitry not used in some versions
- - - Circuitry used in some versions
- ⊕ See parts list
- * Nominal value
- ⊥ Ground
- ⌚ Chassis
- ▽ Common tie point

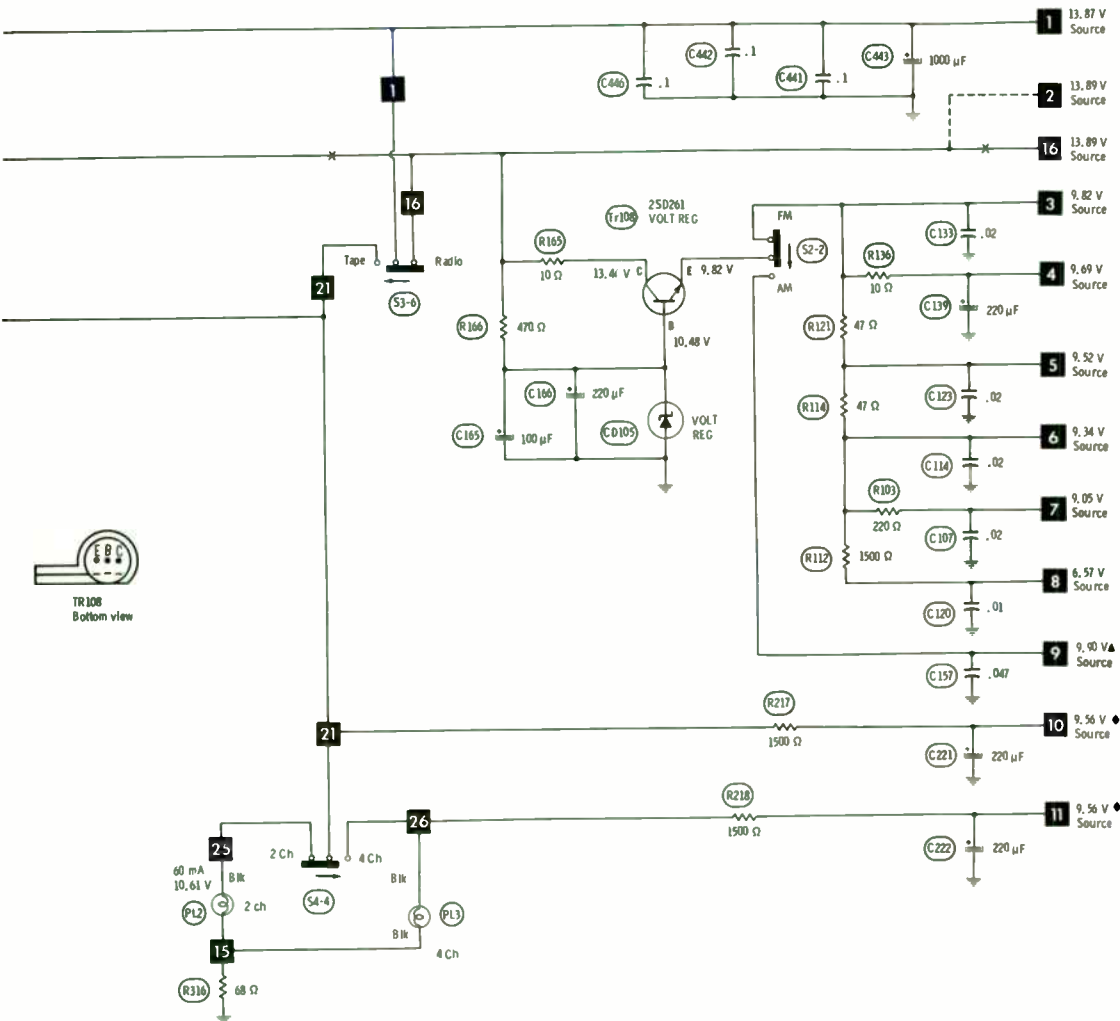
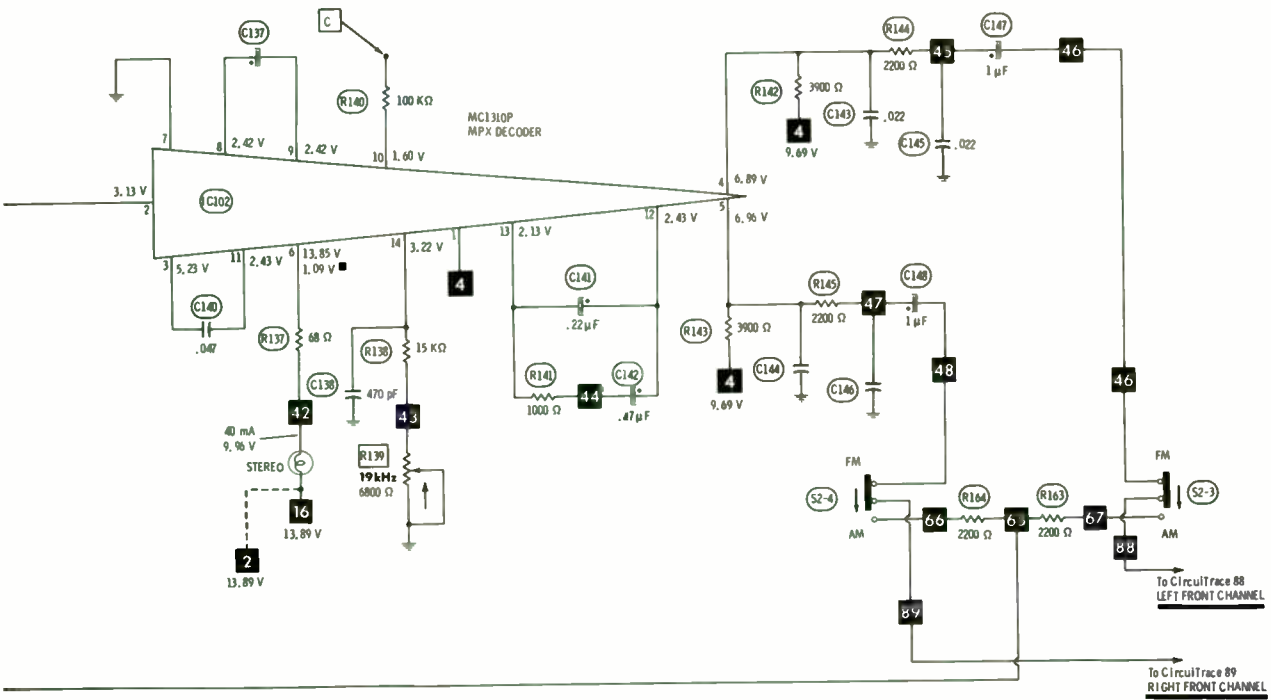
Measurements with switching as shown unless noted:

- FM Stereo signal
- ◆ Tape play
- ▲ AM

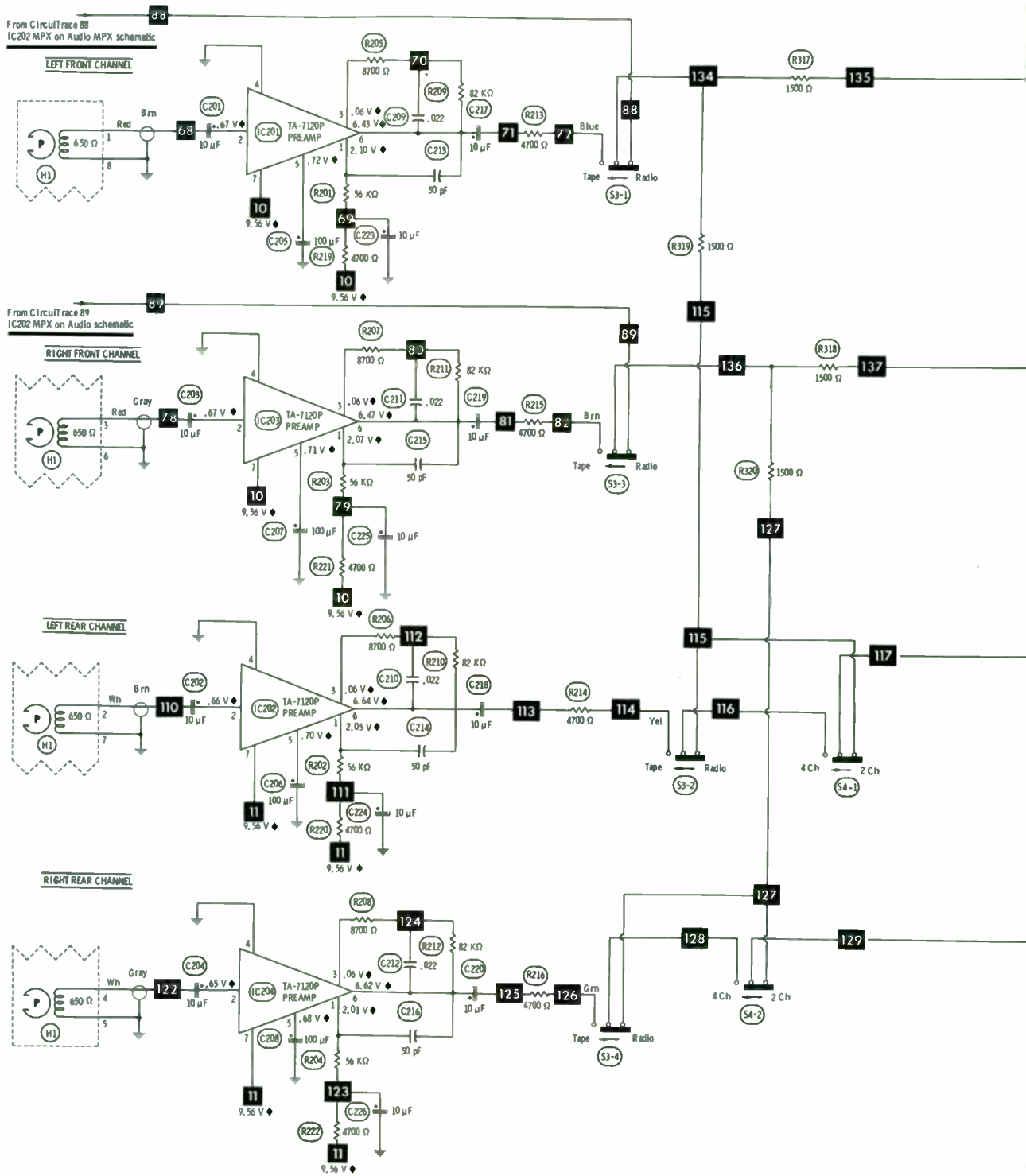


37
From CircuitTrace 37
FM IF





NOTE: DEMAGNETIZE HEADS AFTER SERVICING



Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Arrow at control indicates direction of advance.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 10% unless noted.
 Value in () used in some versions.

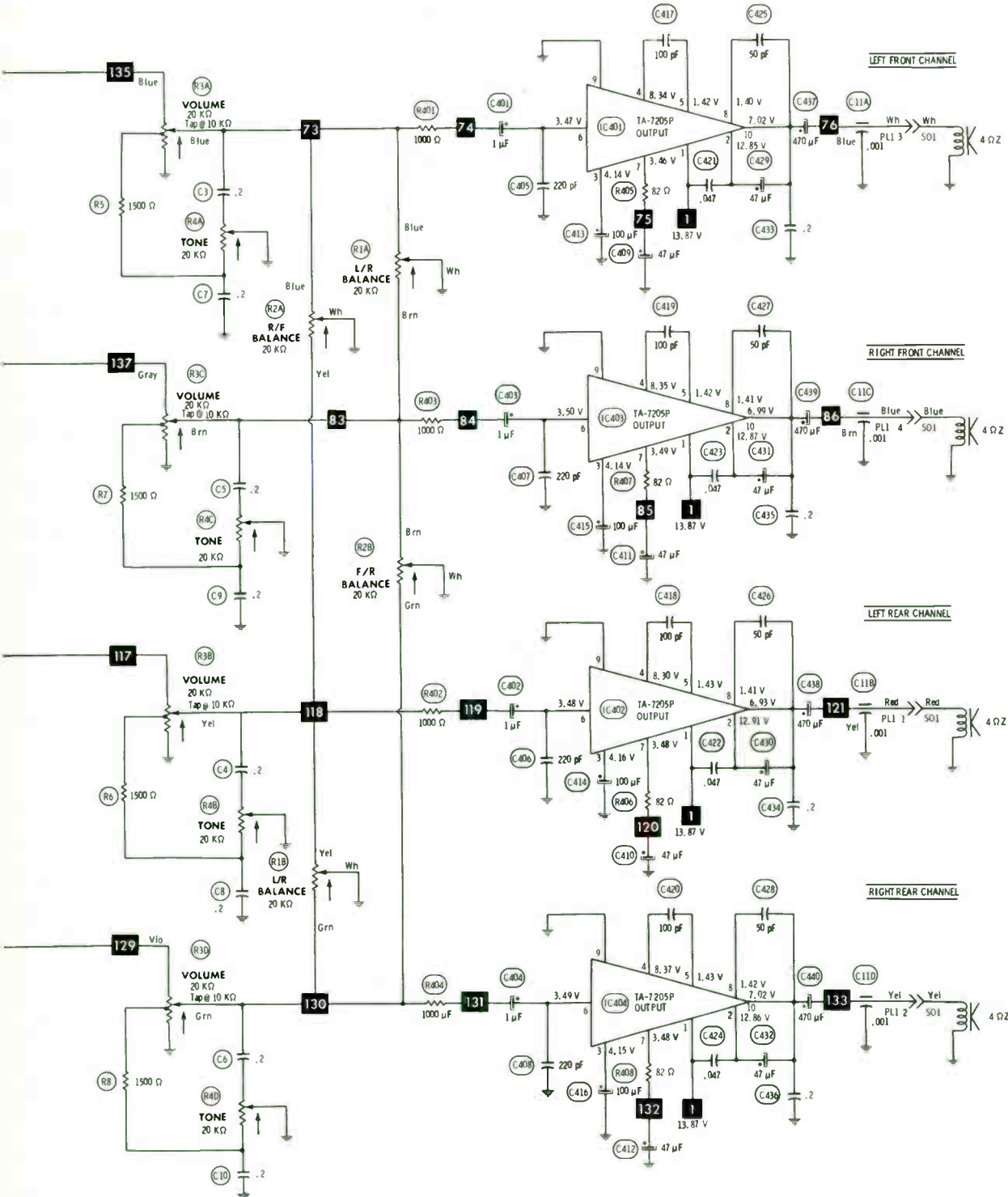
- Circuitry not used in some versions
- - - Circuitry used in some versions
- ⊙ See parts list
- ⊛ Nominal value
- ⊕ Ground
- ⏏ Chassis
- ⏏ Common tie point

A PHOTOFACIT STANDARD NOTATION SCHEMATIC
 WITH CIRCUITRACE™

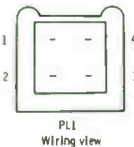
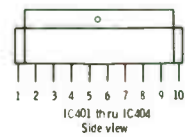
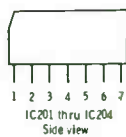
Measurements with switching as shown unless noted:

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■ FM Stereo signal ♦ Tape play ▲ AM



Terminal Guides



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.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C404	1 50V	45810-20	PC1-50	VTT1863	EV-1615
C409	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C410	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C411	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C412	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C413	400 10V	45810-40	PC100-10	VTT100E10	EV-1130
C414	100 10V	45810-40	PC100-10	VTT100E10	EV-1130
C415	100 10V	45810-40	PC100-10	VTT100E10	EV-1130
C416	100 10V	45810-40	PC100-10	VTT100E10	EV-1130
C429	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C430	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C431	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C432	47 16V	45810-43	PC50-16	VTT47016	EV-1226
C437	470 10V	45810-45	PC500-16	VTT470J16	EV-1150
C438	470 10V	45810-45	PC500-16	VTT470J16	EV-1150
C439	470 10V	45810-45	PC500-16	VTT470J16	EV-1150
C440	470 10V	45810-45	PC500-16	VTT470J16	EV-1150
C443	1000 16V	45810-47	PC1000-16	VTT1000L16	EV-1260
C444	1000 16V	45810-47	PC1000-16	VTT1000L16	EV-1260
C445	1000 16V	45810-47	PC1000-16	VTT1000L16	EV-1260

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	22		0TZ-22	NP022	CN0422	10TCC-Q22
C2	120 Max Trimmer	45810-2				
C3	.2 12V		UK12-204		MAG12022	HY-370
C4	.2 12V		UK12-204		MAG12022	HY-370
C5	.2 12V		UK12-204		MAG12022	HY-370
C6	.2 12V		UK12-204		MAG12022	HY-370
C7	.2 12V		UK12-204		MAG12022	HY-370
C8	.2 12V		UK12-204		MAG12022	HY-370
C9	.2 12V		UK12-204		MAG12022	HY-370
C10	.2 12V		UK12-204		MAG12022	HY-370
C11A	.001	(1) (2)				
C11B	.001	(1) (2)				
C11C	.001	(1) (2)				
C11D	.001	(1) (2)				
C11E	.001	(1) (2)				
C11F	.001	(2)				
C12	.05		0C-503	MGP05	TA150	TG-S50
C13	.05		0C-503	MGP05	TA150	TG-S50
C14	.05		0C-503	MGP05	TA150	TG-S50
C101	22 NPO		DTZ-22	NP022	CN0422	10TCC-Q22
C102	5 NPO		DTZ-4R7	NP04P7	CN0547	10TCC-V47
C103	20 Max Trimmer	45810-8				
C104	10 NPO		0TZ-10	NP010	CN0410	10TCC-Q10
C105	.0022	45810-10				
C106	10 NPO		DTZ-10	NP010	CN0410	10TCC-Q10
C107	.02		UK50-223		MAG5012	TG-S20
C108	15 NPO		DTZ-15	NP015	CN0415	10TCC-Q15
C109	20 Max Trimmer	45810-8				
C110	5 NPO		DTZ-4R7	NP04P7	CN0547	10TCC-V47
C111	.51pF	45810-13				
C112	220		DD-221		GP322	10TS-T22
C113	.02		UK50-223		MAG5012	TG-S20
C114	.02		UK50-223		MAG5012	TG-S20
C115	5 N750	45810-15				
C116	30 NPO					
C117	10 NPO		0TZ-10	NP010	CN0410	10TCC-Q30
C118	8 Max Trimmer	45810-17				
C119	5 N750	45810-15				
C120	.01		UK50-103	MGP01	MAG5011	TG-S10
C121	.2 12V		UK12-204		MAG12022	HY-370
C122	.02		UK50-223		MAG5012	TG-S20
C123	.02		UK50-223		MAG5012	TG-S20
C124	.02		UK50-223		MAG5012	TG-S20
C125	.02		UK50-223		MAG5012	TG-S20
C126	.02		UK50-223		MAG5012	TG-S20
C127	.02		UK50-223		MAG5012	TG-S20
C128	.02		UK50-223		MAG5012	TG-S20
C129	.02		UK50-223		MAG5012	TG-S20
C130	.02		UK50-223		MAG5012	TG-S20
C131	.02		UK50-223		MAG5012	TG-S20
C132	150		DD-151		MAG5012	TG-S20
C133	.02		UK50-223		GP315	10TS-T15
C135	.001		UK50-223		MAG5012	TG-S20
C138	470		DD-102G		GP210	5GA-010
C140	.047	45810-25		C015FD471J03	SXM347	MWA-471
C143	.022 25V		UK25-223	MGP02	MAG2512	TG-S50
C144	.022 25V		UK25-223	MGP02	MAG2512	HY-725
C145	.022 25V		UK25-223	MGP02	MAG2512	HY-725
C146	.022 25V		UK25-223	MGP02	MAG2512	HY-725
C150	.047 25V		UK25-503	MGP05	MAG2515	HY-725

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C151	70 Max Trimmer	45810-31				
C152	30					10TCC-Q30
C153	80		0TZ-82	NP082	CN0482	10TCC-Q82
C154	.0022	45810-34				
C155	.01		UK50-103	MGP01	MAG5011	TG-S10
C156	.0047	45810-35				
C157	.047	45810-25			MAG5015	TG-S50
C158	200 N470	45810-36			*	10TCT-T20
C159	70 Max Trimmer	45810-31				
C160	.047 25V		UK25-503	MGP05	MAG2515	HY-735
C161	.2 12V		UK12-204		MAG12022	HY-370
C162	.047 25V		UK25-503	MGP05	MAG2515	HY-735
C163	220		00-221		GP322	10TS-T22
C164	.047 25V		UK25-503	MGP05	MAG2515	HY-735
C209	.022	45810-41	UK50-223		MAG5012	
C210	.022		UK50-223		MAG5012	TG-S20
C211	.022		UK50-223		MAG5012	TG-S20
C212	.022		UK50-223		MAG5012	TG-S20
C213	50	45810-42				
C214	50	45810-42				
C215	50	45810-42				
C216	50	45810-42				
C405	220		00-221		GP322	10TS-T22
C406	220		00-221		GP322	10TS-T22
C407	220		00-221		GP322	10TS-T22
C408	220		00-221		GP322	10TS-T22
C417	100		00-101	GP100	GP310	10TS-T10
C418	100		00-101	GP100	GP310	10TS-T10
C419	100		00-101	GP100	GP310	10TS-T10
C420	100		00-101	GP100	GP310	10TS-T10
C421	.047 25V		UK25-503	MGP05	MAG2515	HY-735
C422	.047 25V		UK25-503	MGP05	MAG2515	HY-735
C423	.047 25V		UK25-503	MGP05	MAG2515	HY-735
C424	.047 25V		UK25-503	MGP05	MAG2515	HY-735
C425	50	45810-42				
C426	50	45810-42				
C427	50	45810-42				
C428	50	45810-42				
C433	.2 12V		UK12-204		MAG12022	HY-370
C434	.2 12V		UK12-204		MAG12022	HY-370
C435	.2 12V		UK12-204		MAG12022	HY-370
C436	.2 12V		UK12-204		MAG12022	HY-370
C441	.1 25V		UK25-104	MGP01	MAG2501	HY-750
C442	.1 25V		UK25-104	MGP01	MAG2501	HY-750
C446	.1 25V		UK25-104	MGP01	MAG2501	HY-750

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

(1) Part of feed-thru assembly, part number 45810-4-1, contains 5 feed-thru capacitors.

(2) Part of feed-thru assembly, part number 45810-4-2, contains 6 feed-thru capacitors. (Used in 136-1022)

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA			
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.
R1A	Balance-Left/Right	20K	45810-91 (18)			
R1B	Balance-Left/Right	20K	(18)			
R2A	Balance-Front/Rear	20K	45810-92 (18)			
R2B	Balance-Front/Rear	20K	VR132 (5)			
R3A	Volume	20K Tap @ 10K	45810-93 (19)			
R3B	Volume	20K Tap @ 10K	VR-301(5)(19)			
R3C	Volume	20K Tap @ 10K	(19)			
R3D	Volume/Power Switch/Manual Program	20K Tap @ 10K	(19)			
R4A	Tone	20K	(19)			
R4B	Tone	20K	(19)			
R4C	Tone	20K	(19)			
R4D	Tone	20K	(19)			
R139	19KHz	6800	UR-134 (5)			
			45810-125			

(5) Number on unit.

(18) Includes R1A, R1B, R2A, & 2B.

(19) Includes R3A, R3B, R3C, R3D, R4A, R4B, R4C, R4D, S1 & S6.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	FM Antenna	(1)			(1) Part of M2 (Tuner)
L2	FM RF	(1)			
L3	FM Osc	(1)			
L4	AM Ant	(1)			
L5	AM RF	(1)			
L6	AM Osc Tuning	(1)			
L7	AM Ant Choke (4.7uH)	45810-72	SL-4.7	70F476AI	
L8	RF Choke				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

COILS (RF-IF) (cont)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L9	RF Choke				
L10	RF Choke				
L11	RF Choke				
L101	RF Choke (2.2uH)	45810-75	LH-2.2	70F226AI	
L102	10.7MHz Trap (1uH)	45819-76	FL-1.0	74F106AP	
L103	RF Choke (22uH)	45810-77	LH-22	74F225AI	
L104	AM Osc	45810-78	OL-809		
L105	Image Trap (4.7uH)	45810-79	LH-4.7		
T101	IF (10.7MHz)	45810-151	IT-830B		
T102	Quadrature	45810-152	IT-3089		
T103	IF (262kHz)	45810-153	IT-808A		
T104	IF (202kHz)	45810-154	IT-218B-1		

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L401	500mA	.3	4mH	45810-80(NL-9)			
L402	150mA	.4	2.4mH	45810-81(NL-6)			

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	5A	45810-57		AGC5	HDJ	312005	150145	FG5-2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF101	Filter	45810-55 (1)	Ceramic (White 10.76MHz; Orange 10.73MHz; Red 10.7MHz; Blue 10.67MHz; Black 10.64MHz)
CF102	Filter	45810-55 (1)	
CR101	Network	45810-56	AM Det (SM-02)
H1	Tape Head	45810-58	8-Track Stereo Play (TH-2084)
L12	Solenoid	45810-73	Eject
L13	Solenoid	45810-74	Head Shift
M1	Motor	45810-59	Tape Transport (2000 rpm @ 13.90V) (MYT-5AD3)
M2	Tuning Coil Assembly	45810-71	AM/FM
S1	Switch		Power (On Volume/Tone Assembly)
S2	Switch	45810-141	AM/FM (SW-109)
S3	Switch	45810-142	Tape/Radio (SW-123)
S4	Switch	45810-142	2 Ch/4 Ch (SW-123)
S5	Switch	45810-143	Eject (SLS-6A)
S6	Switch		Manual Program Select (On Volume/Tone Assembly)
S7	Switch	45810-144	Mode
S8	Switch		Program Selector (Part of head shift assembly, part no. 29810-208)
S10	Switch		Auto Program Selector (Part of tape guide assembly, part no. 45810-275 part no. 45810-275)
	Printed Circuit Board	45810-227	AM/FM (MR3620A)
	Printed Circuit Board	45810-201	Preamp (MR3646)
	Printed Circuit Board	45810-226	Audio Output (MR3630)
	Printed Circuit Board	45810-228	Switch (MR3632)

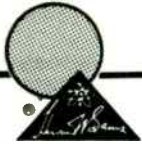
(1) When replacing, both CF101 and CF102 should be replaced.

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

ITEM	PART No.	ITEM	PART No.
Escutcheon	45810-202	Button, (Local-Distance)	45810-215
Tape Door Assembly	45810-201	Button, AM/FM	45810-214
Tape Door Shaft	45810-254	Knob, Balance (Left-Right)	45810-213
Tape Door Spring	45810-262	Knob, Volume/Tuning	45810-217
Dial Pointer	45810-234	Knob, Tone/Balance (Front-Rear)	45810-216

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELOEN 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 BELOEN No. 8782 (Stranded) Coded Parallel Leads
Bonding Strap	Use BELOEN No. 8661 (3/8 In.) or 8670 (3/4 In.)
Ignition Noise Suppression	Use BELOEN No. 7300-Series Spark-Plug Sets



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index



MODEL UAF-6270L

AUTOMATIC MODEL UAF-6270L

ALIGNMENT INSTRUCTIONS

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

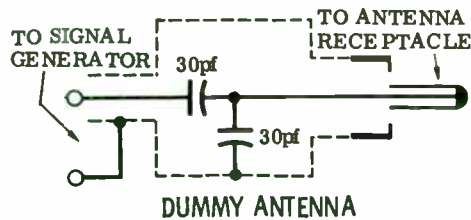
ALLGC ELECTRONICS
8290, 8868, 9087

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 .1uF to antenna input.	262kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T2, T3	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	TC4, TC5, TC6	"

With radio installed in car and antenna extended 36", tune in a weak station near 1400kHz and adjust TC4 for maximum output. Antenna adjustment TC4 is located on right rear corner.



HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46208

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6AK928

ALIGNMENT INSTRUCTIONS (Continued)

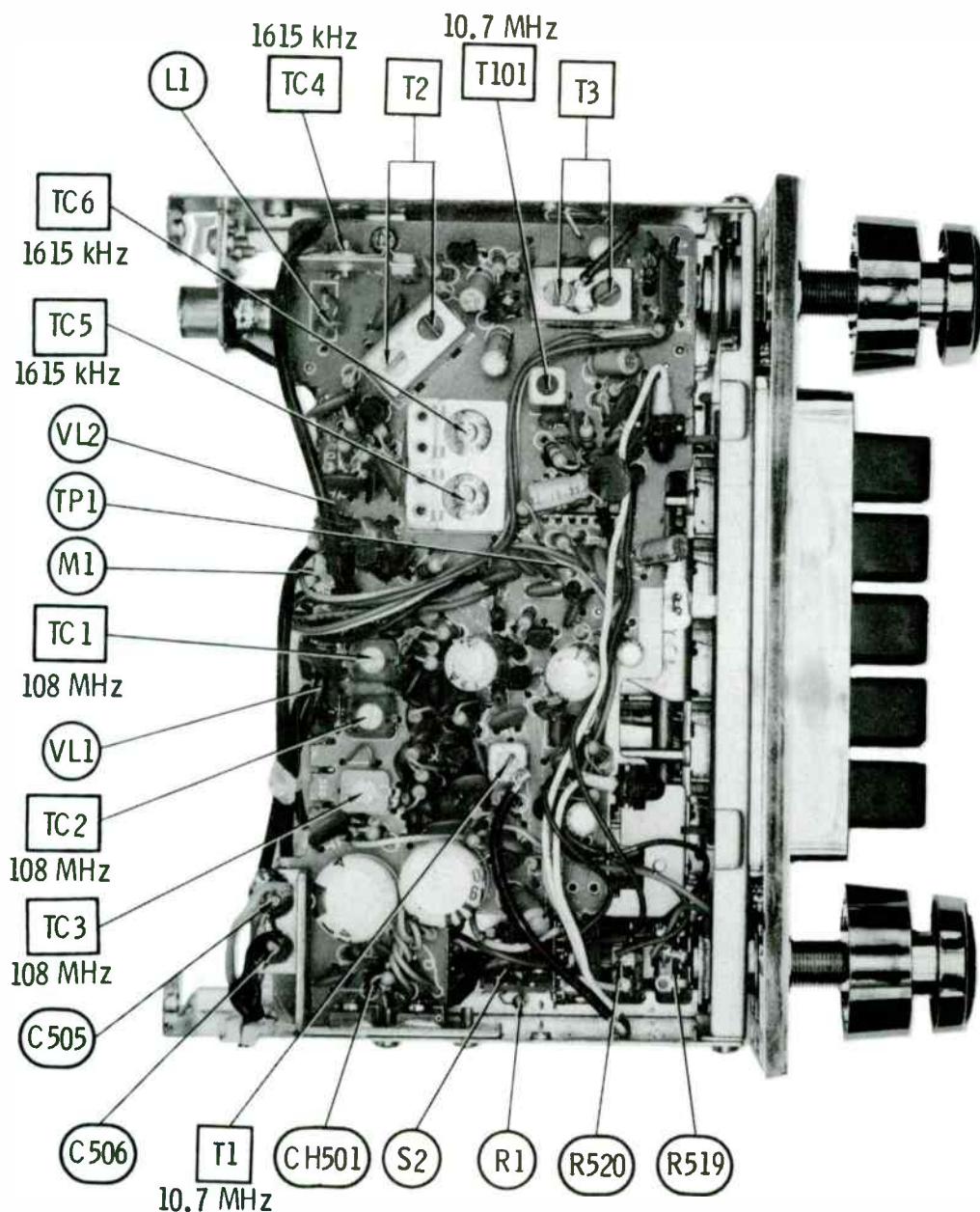
FM IF ALIGNMENT USING AM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001uF to antenna input.				
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz Unmodulated	Point of non-interference	DC probe of VTVM to TP1.	(1) T1, T101	Adjust for maximum.

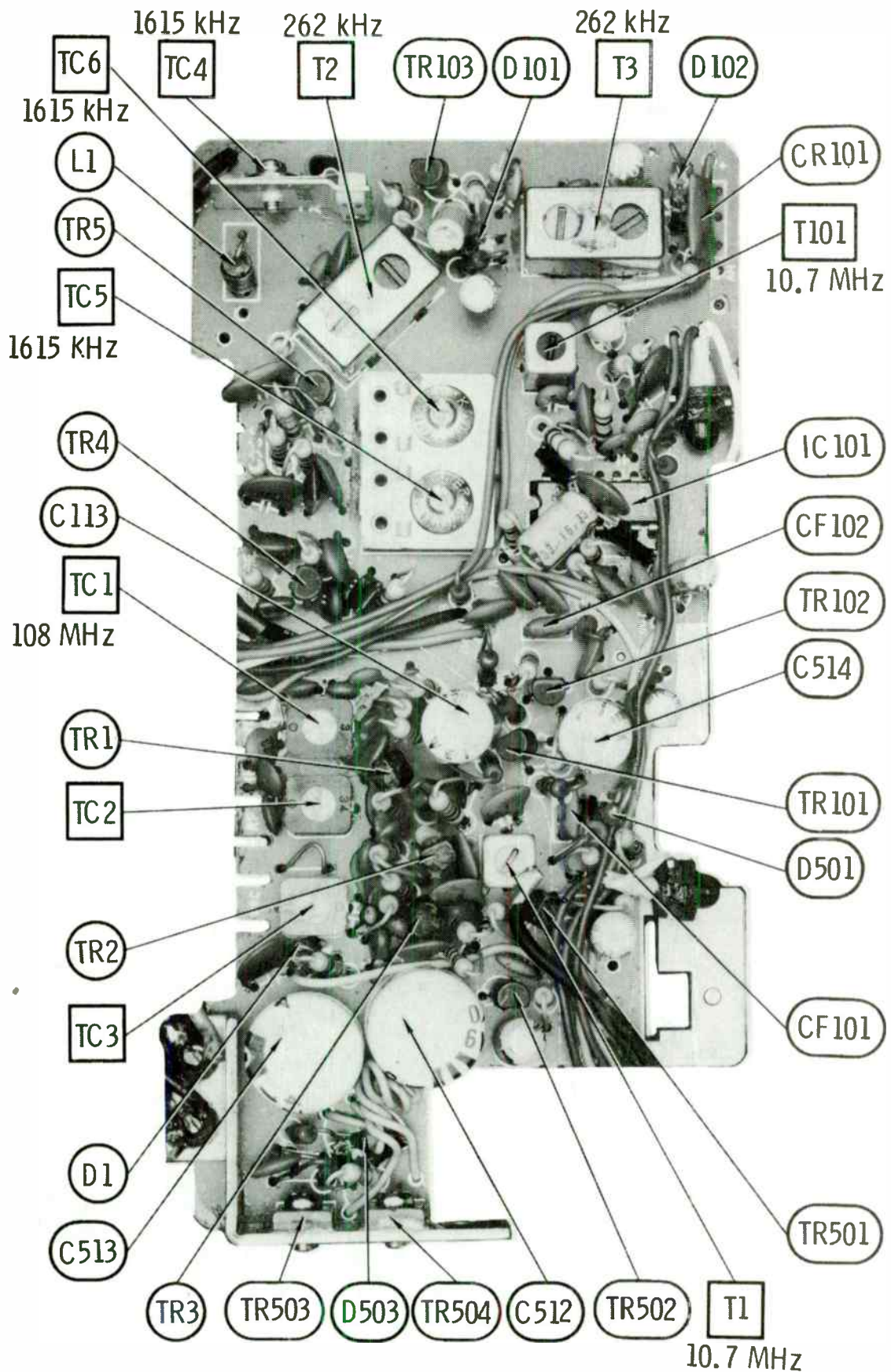
FM RF ALIGNMENT—SELECTOR IN FM POSITION

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
108MHz Unmodulated	High Freq. End Stop	DC probe of VTVM to TP1	TC1, TC2, TC3	Adjust for maximum.

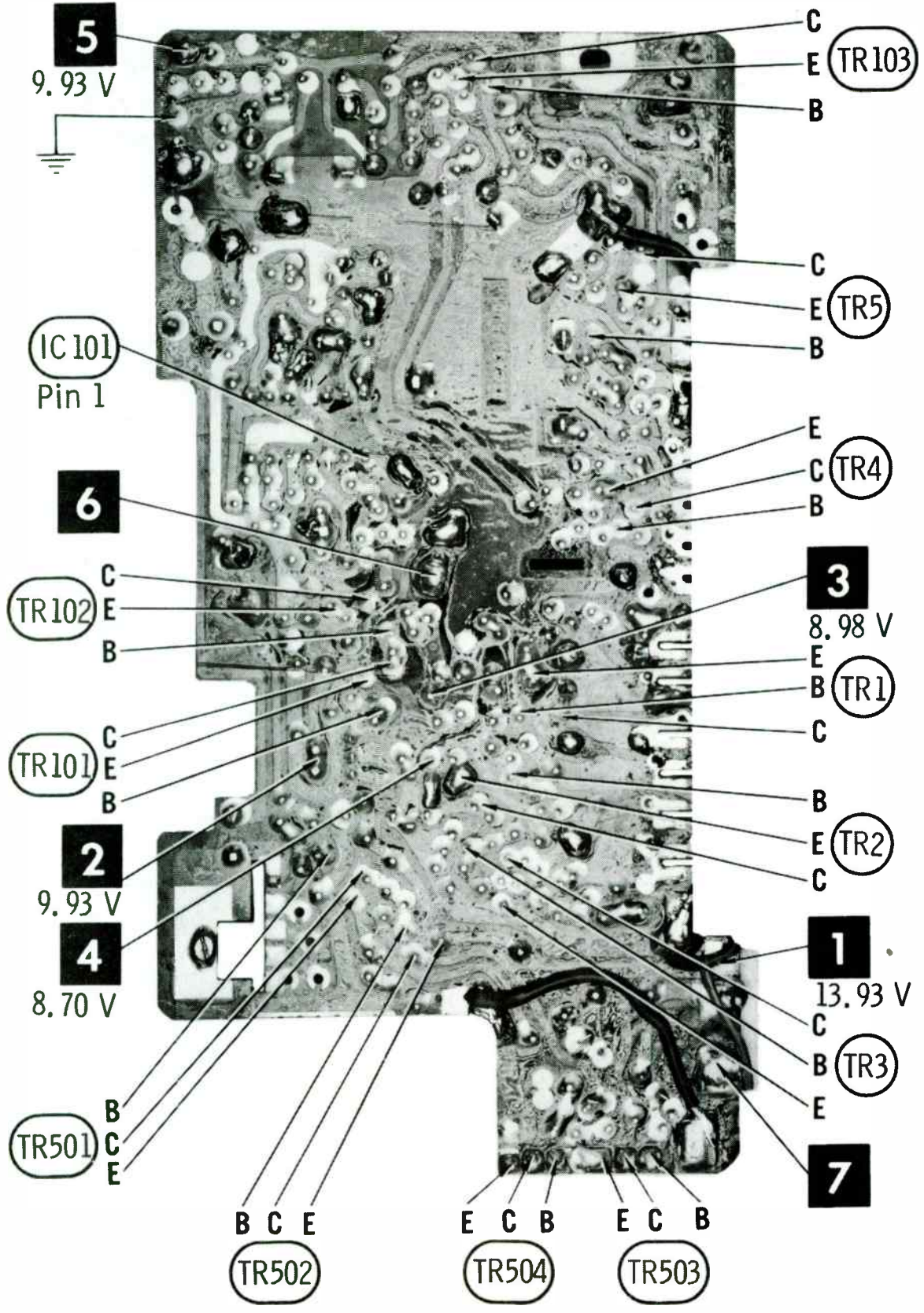
(1) Before adjusting, vary generator frequency slightly. Maximum output indicates exact IF.



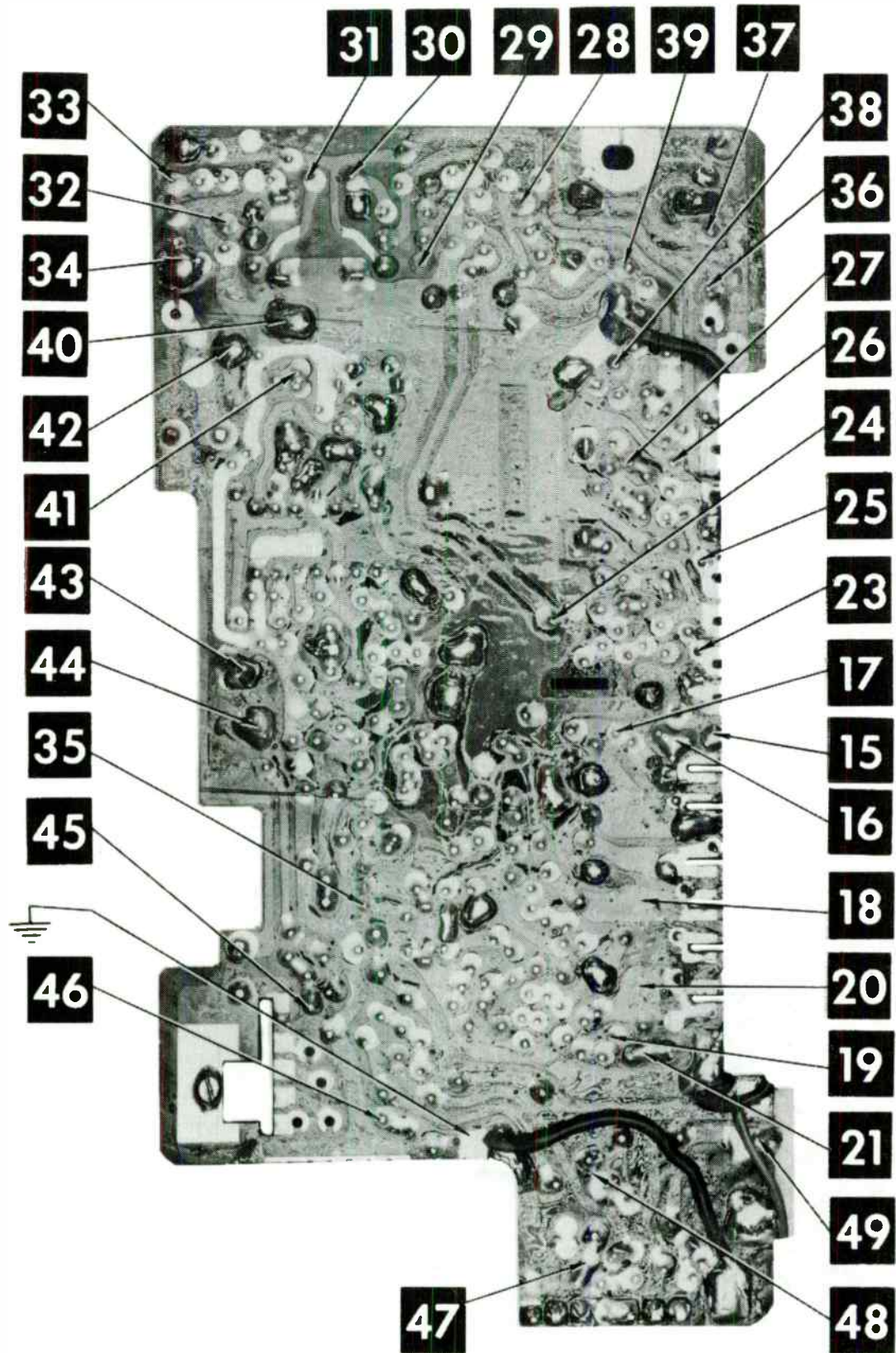
CHASSIS-TOP VIEW



PRINTED BOARD

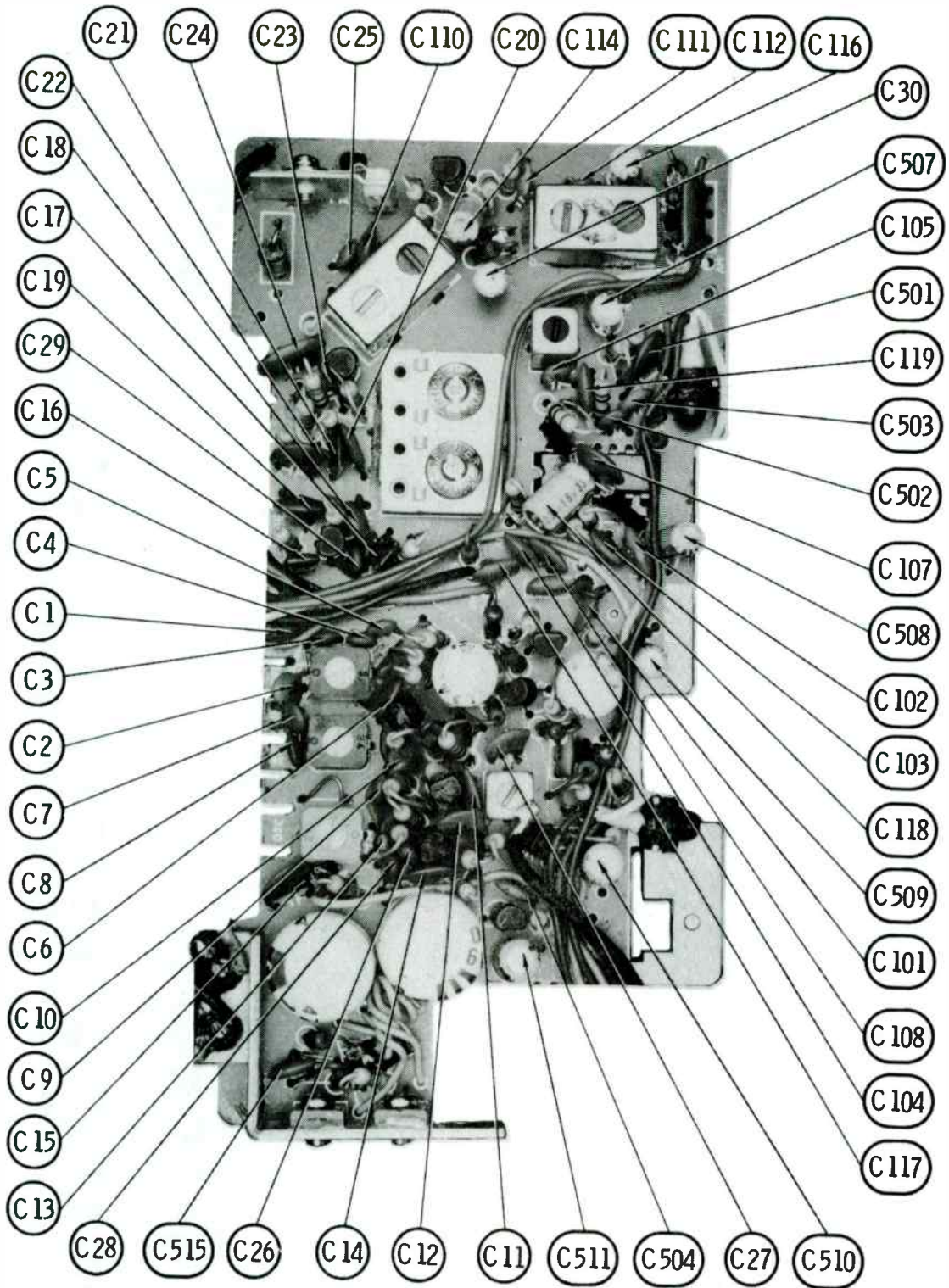


CONTROL BOARD

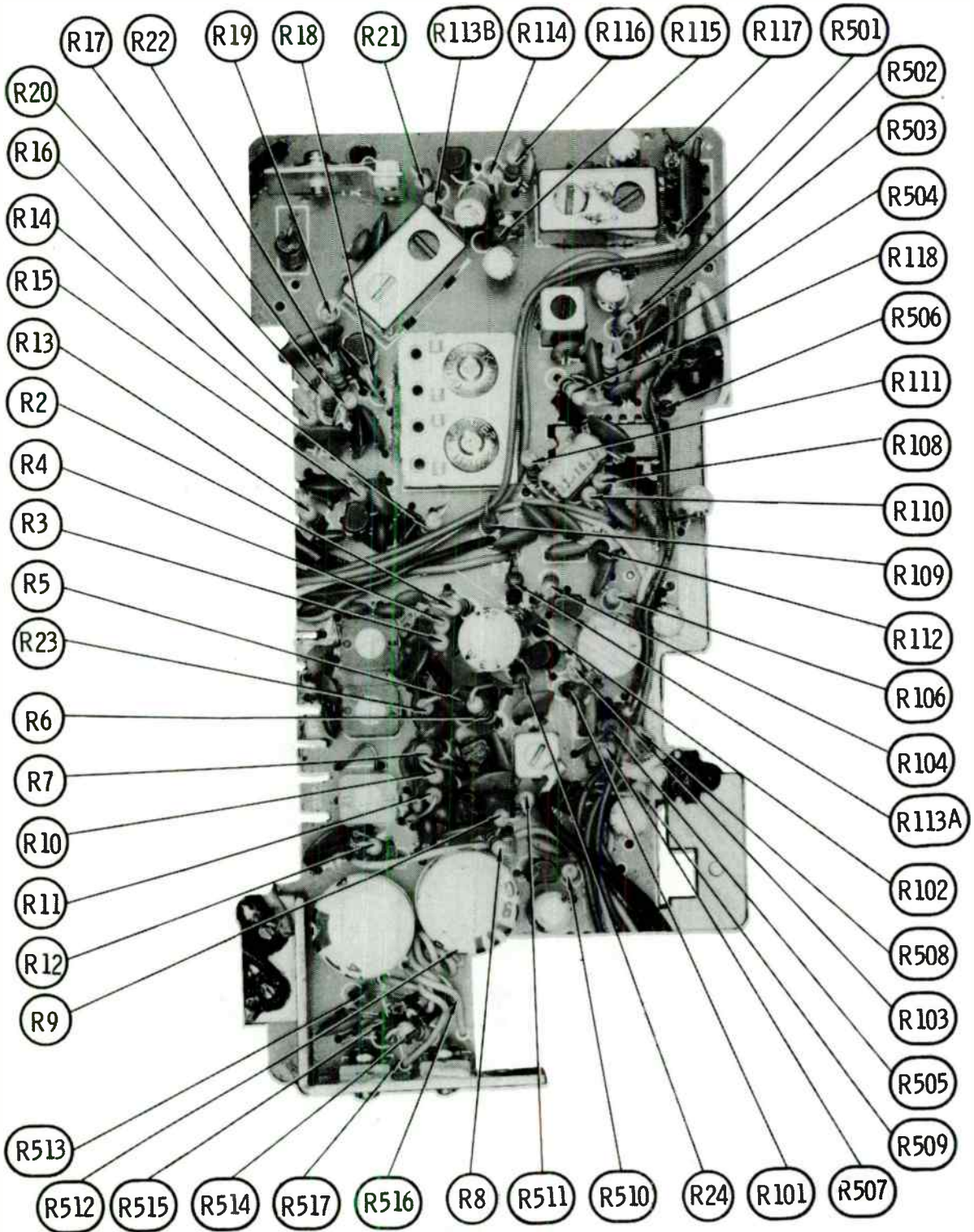


AUTOMATIC MODEL UAF-62701

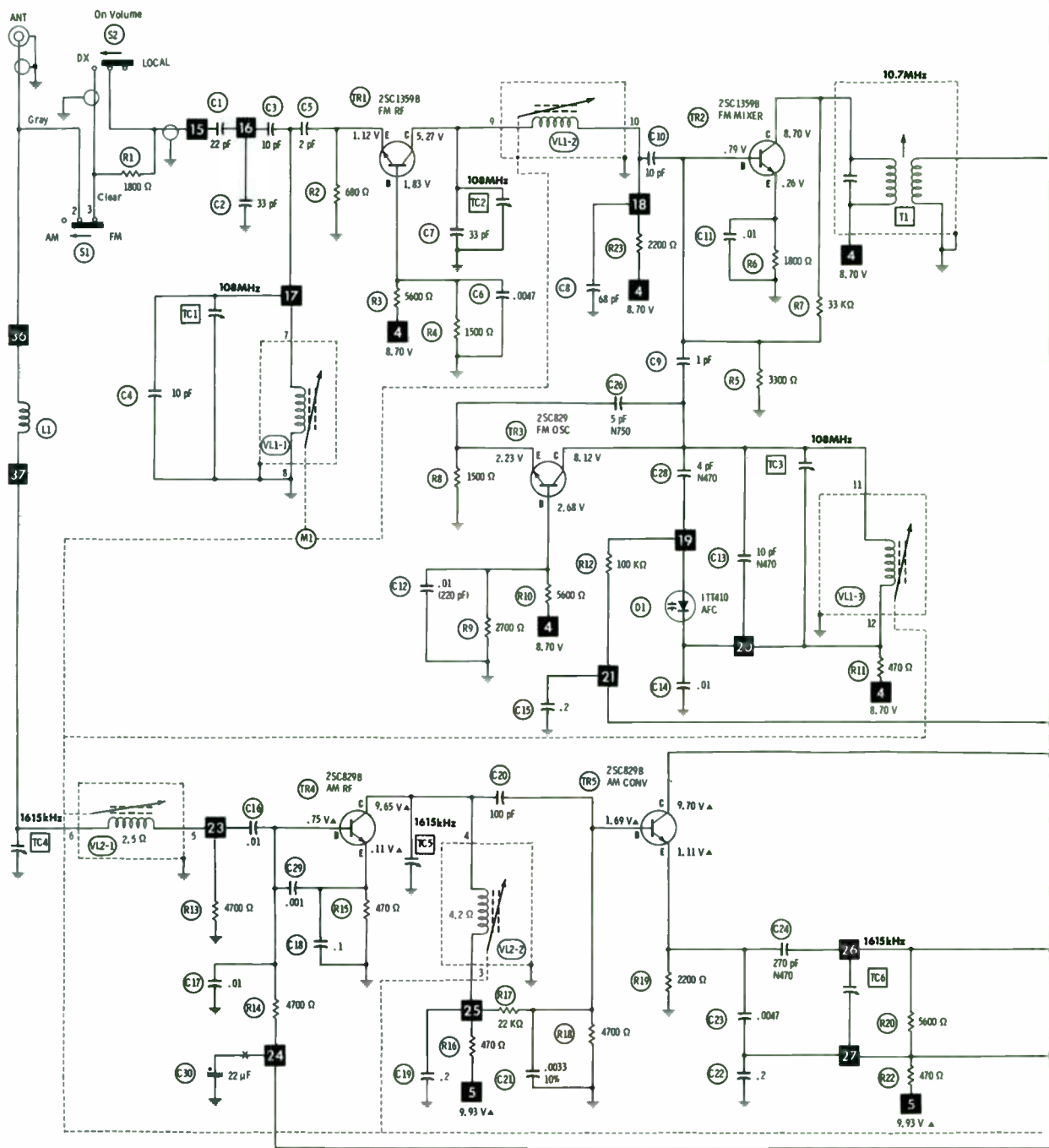
PRINTED BOARD



PRINTED BOARD



PRINTED BOARD



- X— Circuitry not used in some versions
- - - Circuitry used in some versions
- ⊙ See parts list
- ⊛ Nominal value
- ⊕ Ground
- ⊞ Chassis
- ∇ Common tie point

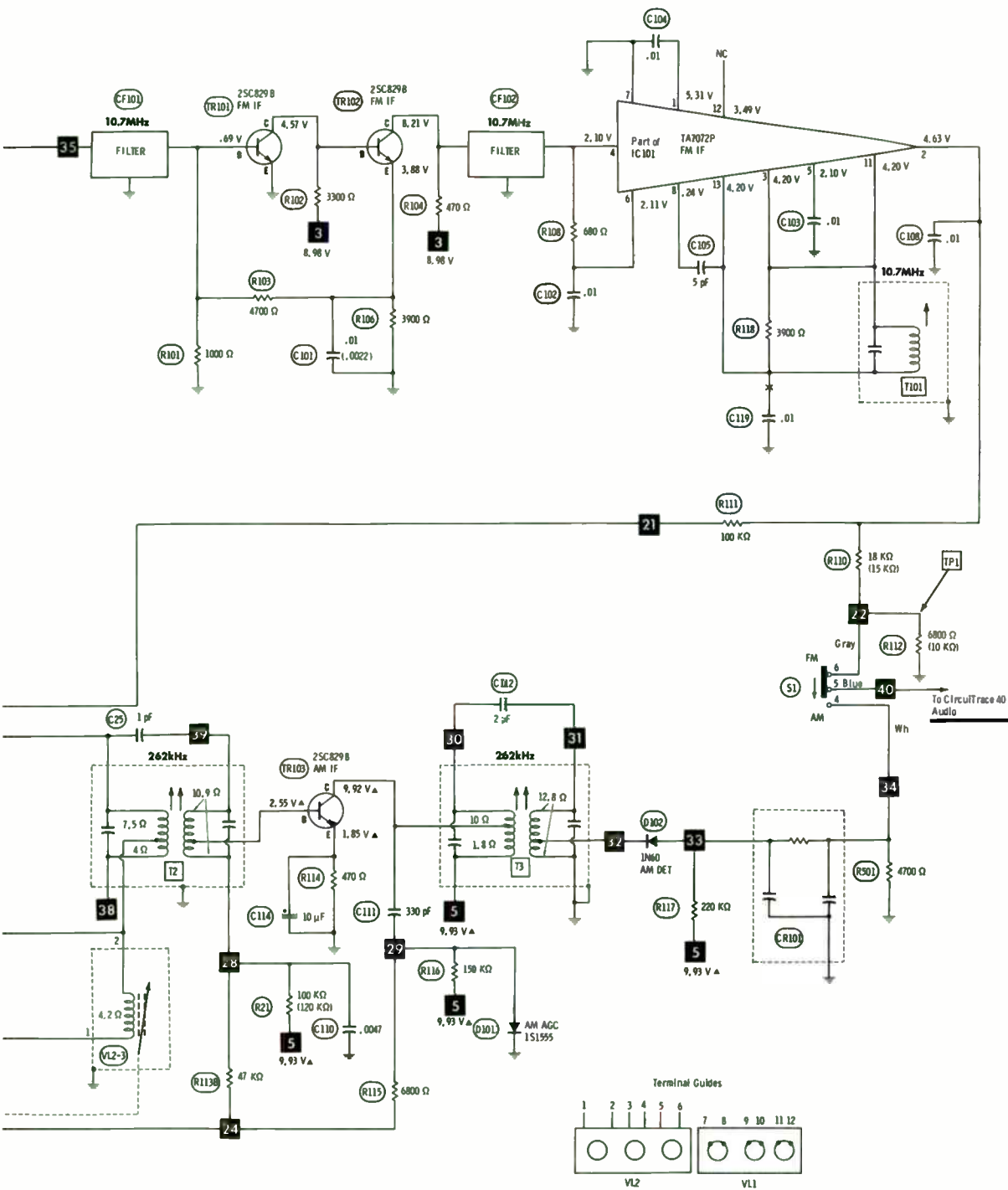
Measurements with switching as shown unless noted:

▲ AM

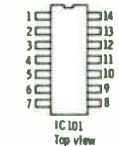
Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Arrow at control indicates direction of advance.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 5% unless noted.
 Value in () used in some versions.

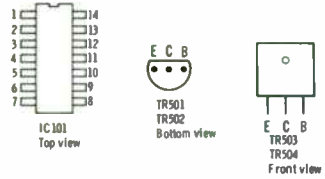
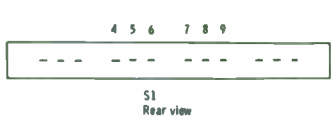
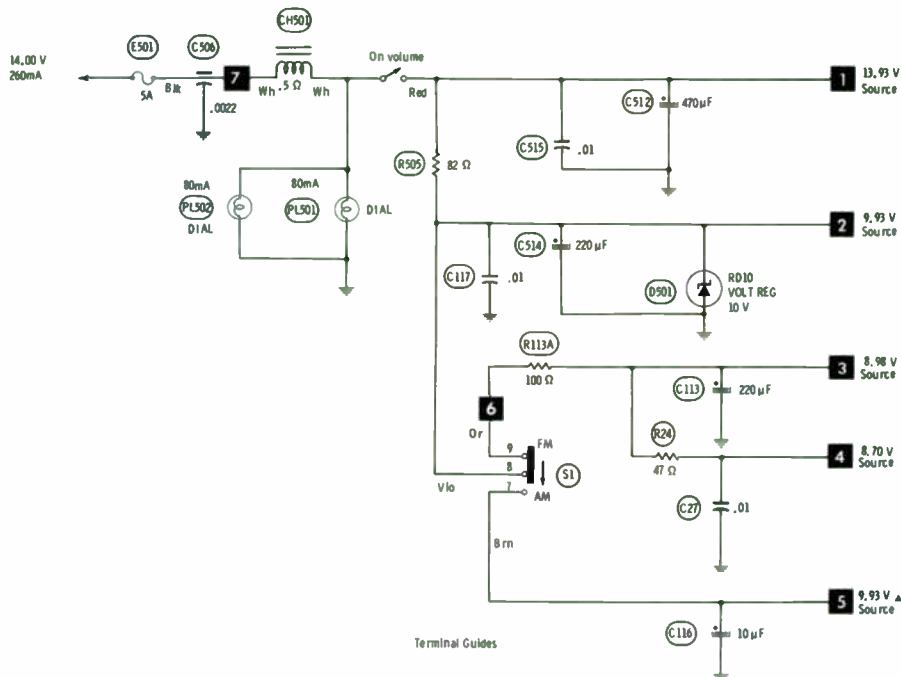
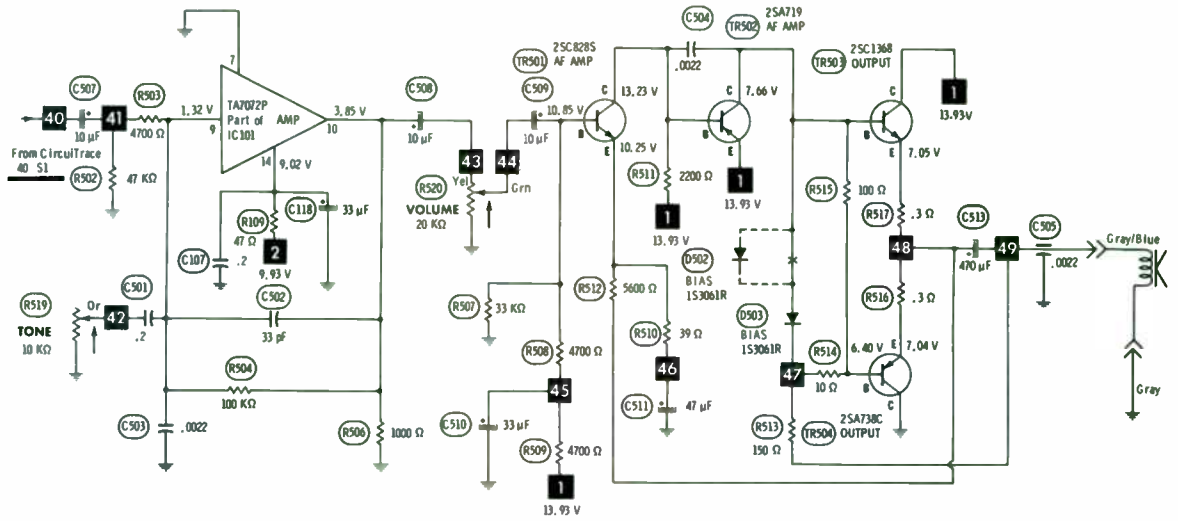
A PHOTOFACIT STANDARD NOTATION SCHEMATIC
 WITH **CIRCUITRACE**

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TR1 thru TR5
TR101 thru TR103
Bottom view





- /— Circuitry not used in some versions
- - - Circuitry used in some versions
- ⊙ See parts list
- ⊛ Nominal value
- ⊕ Ground
- ⊞ Chassis
- ∇ Common tie point

A PHOTOFAC STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE**
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Measurements with switching as shown unless noted:

▲ AM

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Value () used in some versions.

PARTS LIST AND DESCRIPTION

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

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SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA								
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	
D1	1TT410		GE-90	D201			HEPR2503	RE 195	SK3126	RT-262	
D101	1S1555		GE-300	D200	PTC214		HEPR0602	RE 52	SK3100	RT-218	ECG177
D102	1N60		1N60	1N60	PTC206		HEPR9135	RE 47	SK3088	RT-263	ECG109
D501	RD10		GEZD-10		ZB108				SK3061	RT-241	ECG140
D502	1S3016R		GE-300	D200	PTC214		HEPR0602	RE 52	SK3100	RT-218	ECG177
D503	1S3016R		GE-300	D200	PTC214		HEPR0602	RE 52	SK3100	RT-218	ECG177
IC101	TA7072P		GEIC-143		PTC745				SK3100	RT-218	ECG748
TR1	25C13598		GE-212	(R)25C380A0	PTC121		HEPS0014	RE 192	SK3038	RT-108A	ECG199
TR2	25C13598		GE-212	(R)25C380A0	PTC121		HEPS0014	RE 192	SK3038	RT-108A	ECG199
TR3	25C8298		GE-20	(R)25C8298	PTC136		HEPS0011	RE 9	SK3018	RT-105	ECG229
TR4	25C8298		GE-20	(R)25C8298	PTC136		HEPS0011	RE 9	SK3018	RT-105	ECG229
TR5	25C8298		GE-20	(R)25C8298	PTC136		HEPS0011	RE 9	SK3018	RT-105	ECG229
TR101	25C8298		GE-20	(R)25C8298	PTC136		HEPS0011	RE 9	SK3018	RT-105	ECG229
TR102	25C8298		GE-20	(R)25C8298	PTC136		HEPS0011	RE 9	SK3018	RT-105	ECG229
TR103	25C8298		GE-20	(R)25C8298	PTC136		HEPS0011	RE 9	SK3018	RT-105	ECG229
TR501	25C8285		GE-61	(R)25C828A	PTC136		HEPS0011	RE 9	SK3018	RT-105	ECG229
TR502	25A719Q		GE-21	TR-28	PTC103		HEPS0012	RE 26	SK3114	RT-126A	ECG159
TR503	25C1368(5)		GE-57		PTC163		HEPS5000	RE 40		RT-194	ECG184
TR5D4	25A738(5)		GE-58		PTC162		HEPS5006	RE 41		RT-195	ECG185

(5) Half of complementary pair.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C30	22 10V		PC25-25		EV-1224
C113	220 10V		PC250-10	VTT220F10	EV-1140
C114	10 16V		PC10-25		EV-1222
C116	10 16V		PC10-25		EV-1222
C118	33 16V		PC30-25	VTT33025	EV-1325
C507	10 16V		PC10-25		EV-1222
C508	10 16V		PC10-25		EV-1222
C509	10 16V		PC10-25		EV-1222
C510	33 16V		PC30-25	VTT33025	EV-1325
C511	47 10V		PC50-16	VTT47D16	EV-1226
C512	470 16V				
C513	470 16V				
C514	220 10V		PC250-10	VTT220F10	EV-1140

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	22		DTZ-22	NPO22	CN0422	10TCC-Q22
C2	33		DTZ-33	NPO33	CN0433	10TCC-Q33
C3	10		DTZ-10	NPO10	CN0410	10TCC-Q10
C4	10		DTZ-10	NPO10	CN0410	10TCC-Q10
C5	2		DTZ-2R2	NPO2P2	CN0522	10TCC-V22
C6	.0047					
C7	33		DTZ-33	NPO33	CN0433	10TCC-Q33
C8	68		DTZ-68	NPO68	CN0468	10TCC-Q68
C9	1				CN0510	10TCC-V10
C10	10		DTZ-10	NPO10	CN0410	10TCC-Q10
C11	.01		DC-103	MGP01	TA110	TG-S10
C12	.01		DC-103	MGP01	TA110	TG-S10
C13	10 N470				*	10TCT-Q10
C14	.01		UK50-103	MGP01	MAG5011	TG-S10
C15	.2 12V		UK12-2D4		MAG12022	
C16	.01			WMF1S1	EWF1A110	1PB-S10
C17	.01			WMF1S1	EWF1A110	1PB-S10
C18	.1 12V		UK12-1D4		MAG1201	
C19	.2 12V		UK12-204		MAG12022	
C20	100		DD-101	GP100	GP310	10TS-T10
C21	.0033 10%				M192P3329R8	192P3329R8
C22	.2 12V		UK12-204		MAG12022	
C23	.0047				M192P4729R8	192P4729R8
C24	270 N470				*	10TCT-T27
C25	1				CN0510	10TCC-V10
C26	5 N750					
C27	.01		UK50-103	MGP01	MAG5011	TG-S10
C28	4 N470				*	10TCT-V39
C29	.001		OD-102G	GP1000	GP210	5GA-D10
C101	.01		UK50-103	MGP01	MAG5011	TG-S10
C102	.01		DC-103	MGP01	TA110	TG-S10
C103	.01		UK50-103	MGP01	MAG5011	TG-S10
C104	.01		UK50-103	MGP01	MAG5011	TG-S10
C105	5		DTZ-4R7	NP04P7	CN0547	10TCC-V47
C107	.2 12V		UK12-2D4		MAG12022	
C108	.01		UK50-103	MGP01	MAG5011	TG-S10
C110	.0047		DD-472	GP4700	GP247	5GA-D47
C111	330		DD-331	GP330	GP333	10TS-T33
C112	2		DTZ-2R2	NPO2P2	CN0522	10TCC-V22

AUTOMATIC MODEL UAF-6270L

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 (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C117	.01		UK50-103	MGP01	MAG5011	TG-S10
C119	.01		UK50-103	MGP01	MAG5011	TG-S10
C501	.2 12V		UK12-204		MAG12022	
C502	.33		DTZ-33	NP033	CN0433	10TCC-Q33
C503	.0022					
C504	.0022					
C505	.0022					
C506	.0022					
C515	.01		UK50-103	MGP01	MAG5011	TG-S10

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

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
R519	Tone	10K	(18)				
R520	Volume/Power Switch/Lo-DX Switch	20K	(18)				

(18) Includes R519, R520.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	AM Ant Choke (3.9uH)				
T1	IF (10.7MHz)		986J01		
T2	IF (262kHz)		44981J01		
T3	IF (262kHz)		64670802		
T101	Quadrature		987J01		
VL1-1	FM Ant	(1)			
VL1-2	FM RF	(1)			
VL1-3	FM Osc	(1)			
VL2-1	AM Antenna	(1)			
VL2-2	AM RF	(1)			
VL2-3	AM Osc	(1)			

(1) Part of M1 (Tuner).

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
CH501	260mA	.5	.2mH	40894603 (1)			(1) Number on unit.

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
E501	5 Amp			AGC5	HDJ	312005	150145	FG5-2

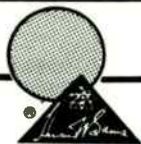
MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF101	Filter	SFE10.7MA (1)	Ceramic, 10.7MHz White dot Ceramic, 10.7MHz White dot AM Det AM/FM AM/FM Local - DX (on volume)
CF102	Filter	SFE10.7MA (1)	
CR101	Network		
M1	Tuner		
S1	Switch		
S2	Switch		

(1) Number on unit, when replacing ceramic filters, replace all (CF101 & CF102) filters in unit. Check and readjust alignment.

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.)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index



MODEL 6299

CHANNEL MASTER MODEL 6299

ALIGNMENT INSTRUCTIONS

Check for specified source voltage.

Use only enough generator output to provide a usable indication.

Suggested Alignment Tools:

GC ELECTRONICS

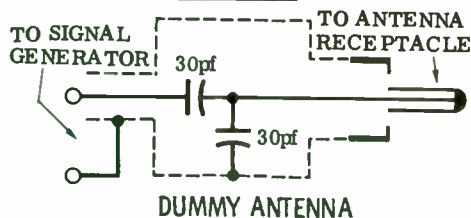
ALL 8290, 8868, 9087

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 .1uF to point A, low side to ground.	455kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	CF2,T7	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	CT4,CT5,CT6	"
Thru dummy antenna to antenna input.	600kHz	Tune to signal	Output meter across voice coil.	T6	Adjust for maximum. Repeat alignment until no further improvement is noted.

With radio installed in car and antenna extended 33", tune in a weak station near 1400kHz and adjust CT4 for maximum output. Antenna adjustment CT4 is located on bottom right rear corner.



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

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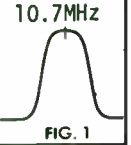
Printed in U. S. of America

6AN929

ALIGNMENT INSTRUCTIONS (Continued)

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

High side of generator thru .001uF to B.					
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS	
10.7MHz Unmodulated	Point of non-interference	DC probe of VTVM to C, common to ground.	T4,T3,T2,T1	Adjust for maximum.	
"	"	DC probe of VTVM to D, common to ground.	T5	Adjust for zero reading. A positive or negative reading will be obtained on either side of correct setting.	

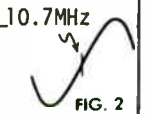


FM IF ALIGNMENT USING FM SIGNAL GENERATOR—SELECTOR IN FM POSITION

High side of generator thru .001uF to B. Use only enough marker signal for indication. Use 60-hertz, frequency-modulated signal, 450kHz sweep. Use 60-hertz sawtooth voltage in scope for horizontal deflection.					
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS	
10.7MHz 450kHz Sweep	Point of non-interference	Vert input of scope to C, low side to ground.	T4,T3,T2,T1	Disconnect stabilizing capacitor C34. Adjust for maximum gain and symmetry of response similar to Fig. 1 with markers as shown. Reconnect C34.	
"	"	Vert input of scope to D, low side to ground.	T5	Adjust T5 to place marker at center of S curve similar to Fig. 2. Readjust T4 for maximum amplitude and straightness of line.	

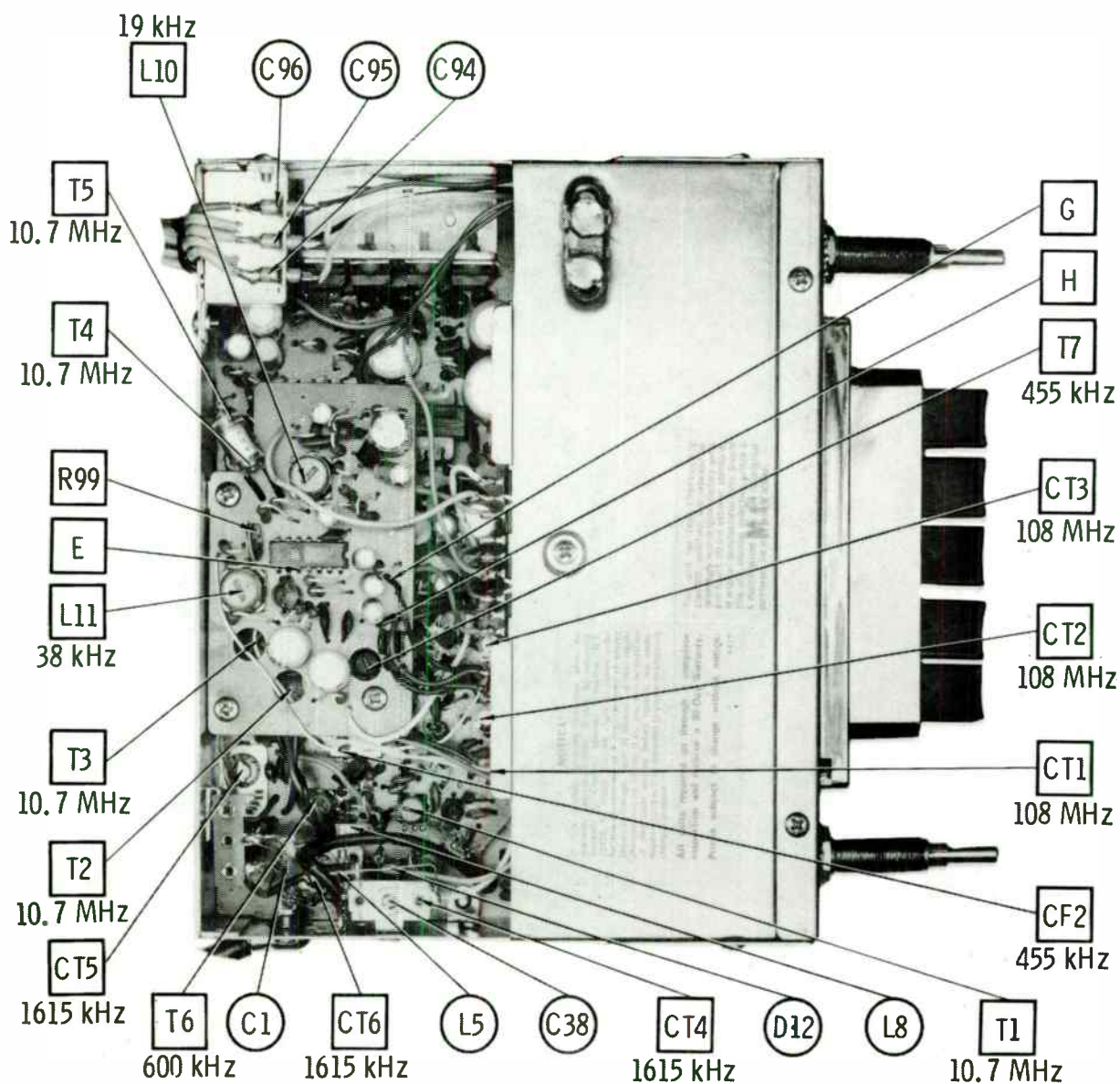
FM RF ALIGNMENT—SELECTOR IN FM POSITION

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	
108MHz Unmodulated	High freq End stop	DC probe of VTVM to C, common to ground.	CT3,CT2,CT1	Adjust for maximum.	

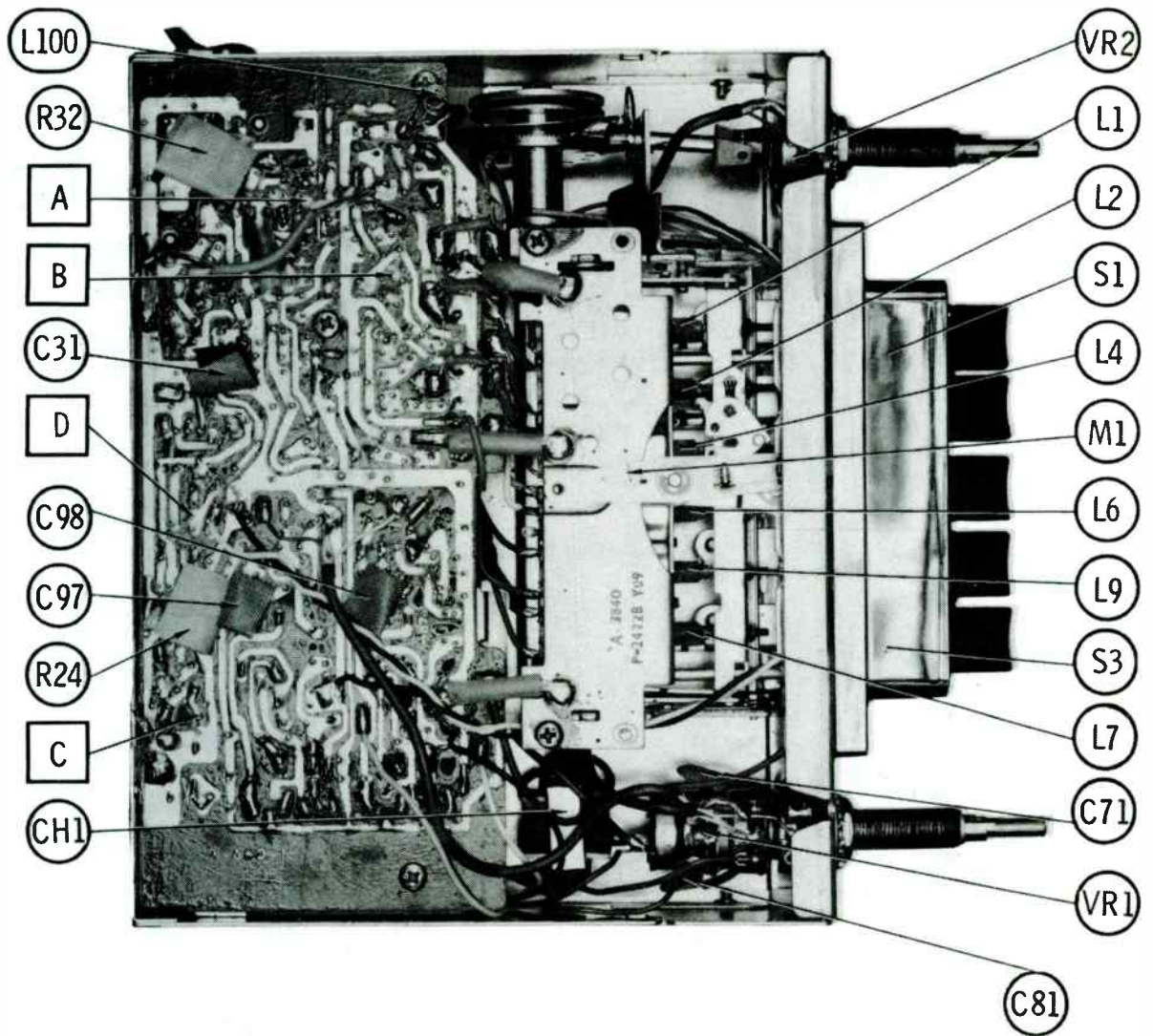


FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (± .0001% ACCURACY)

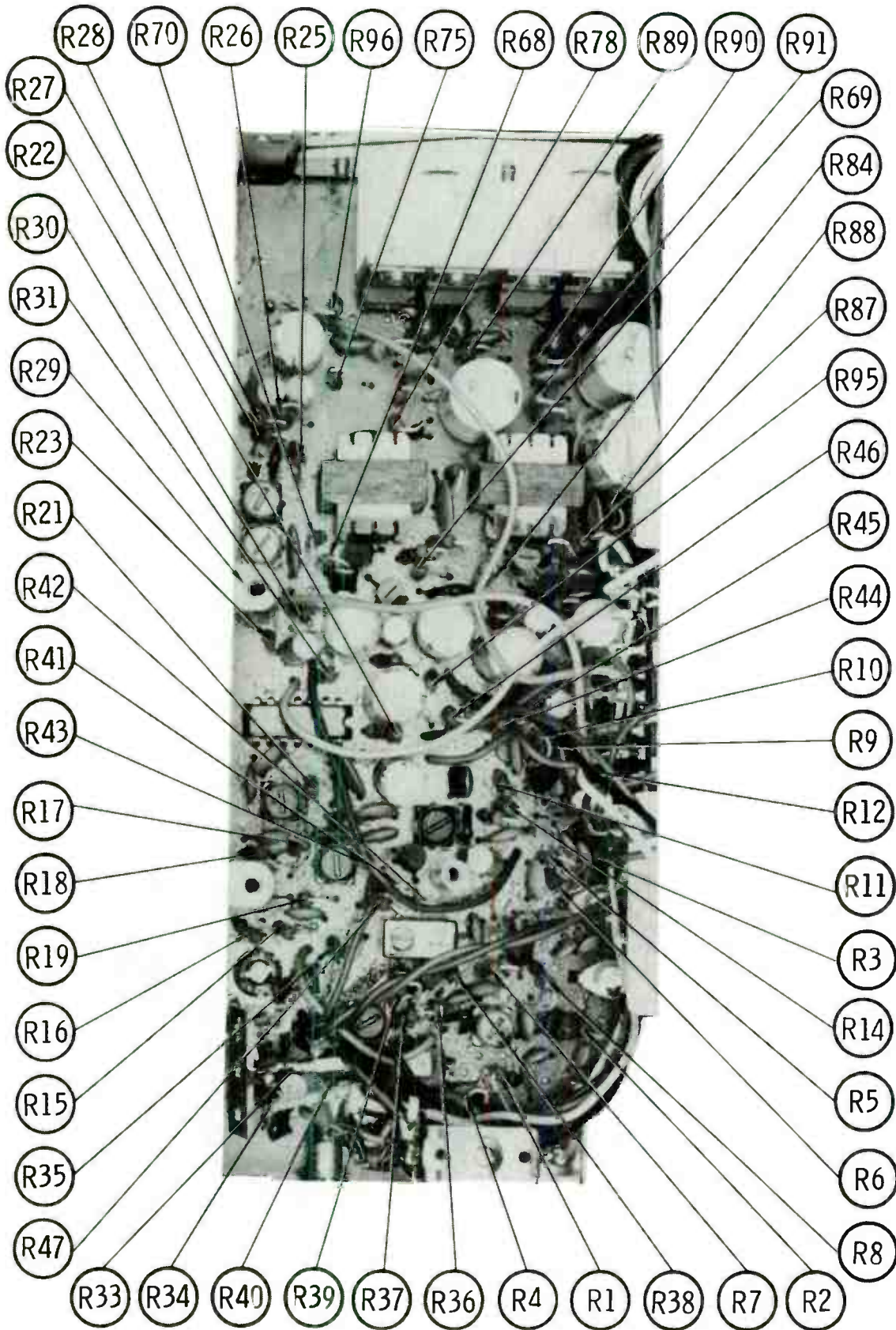
High side of generator thru 47K to D.					
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS		
19kHz	Vert input of scope thru 47K to E, low side to ground.	L10	Adjust for maximum.		
19kHz	Vert input of scope thru 47K to F, low side to ground.	L11	Adjust for maximum 38kHz response.		
Modulated Left Channel	Vert input of scope to G, low side to ground.	L10,L11,R99	Adjust for MINIMUM. This step should require only slight adjustment.		
Modulated Right Channel	Vert input of scope to H, low side to ground.		Check for MINIMUM. If necessary, make compromise adjustment of L10, L11, R99.		



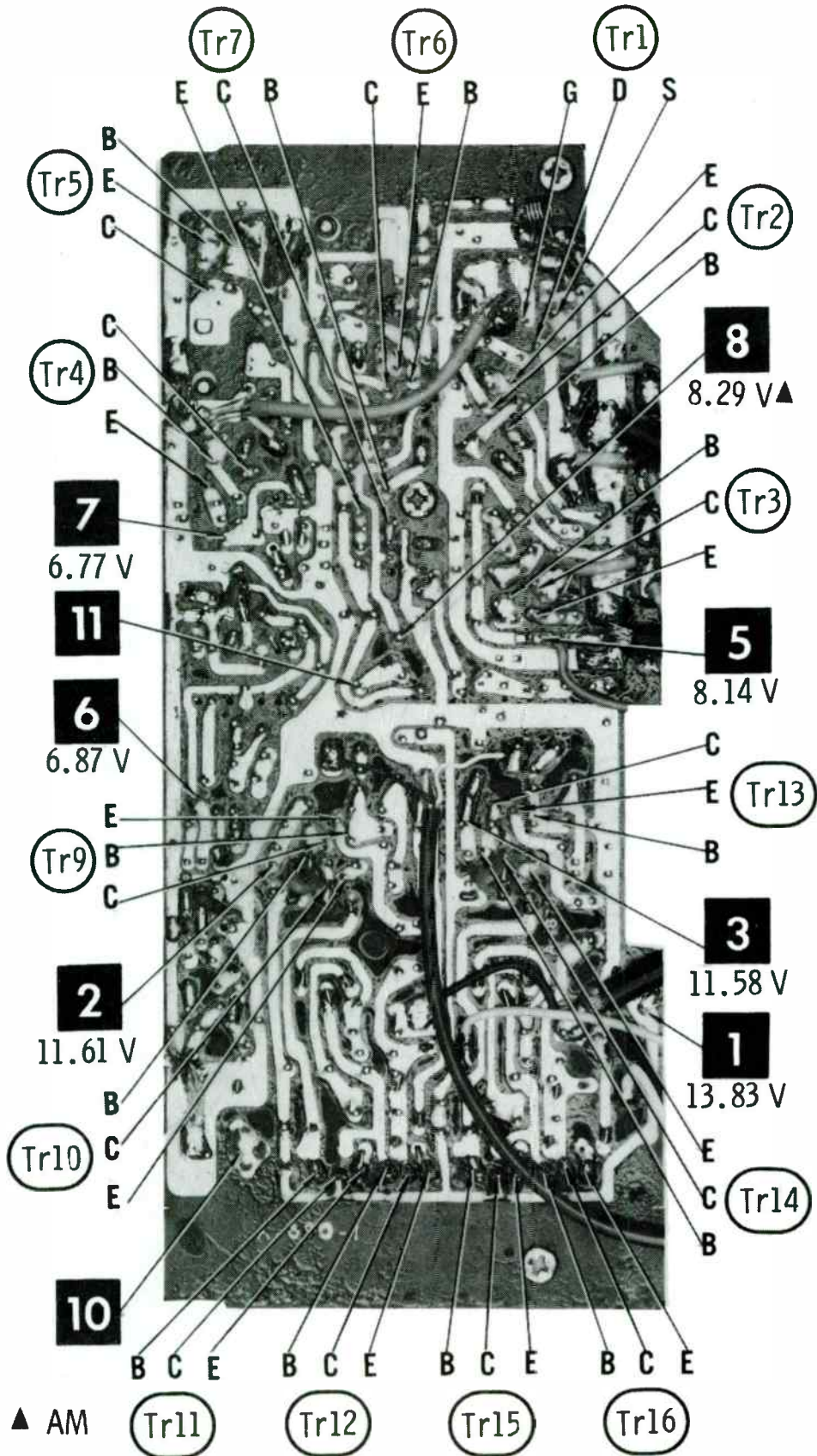
CHASSIS-TOP



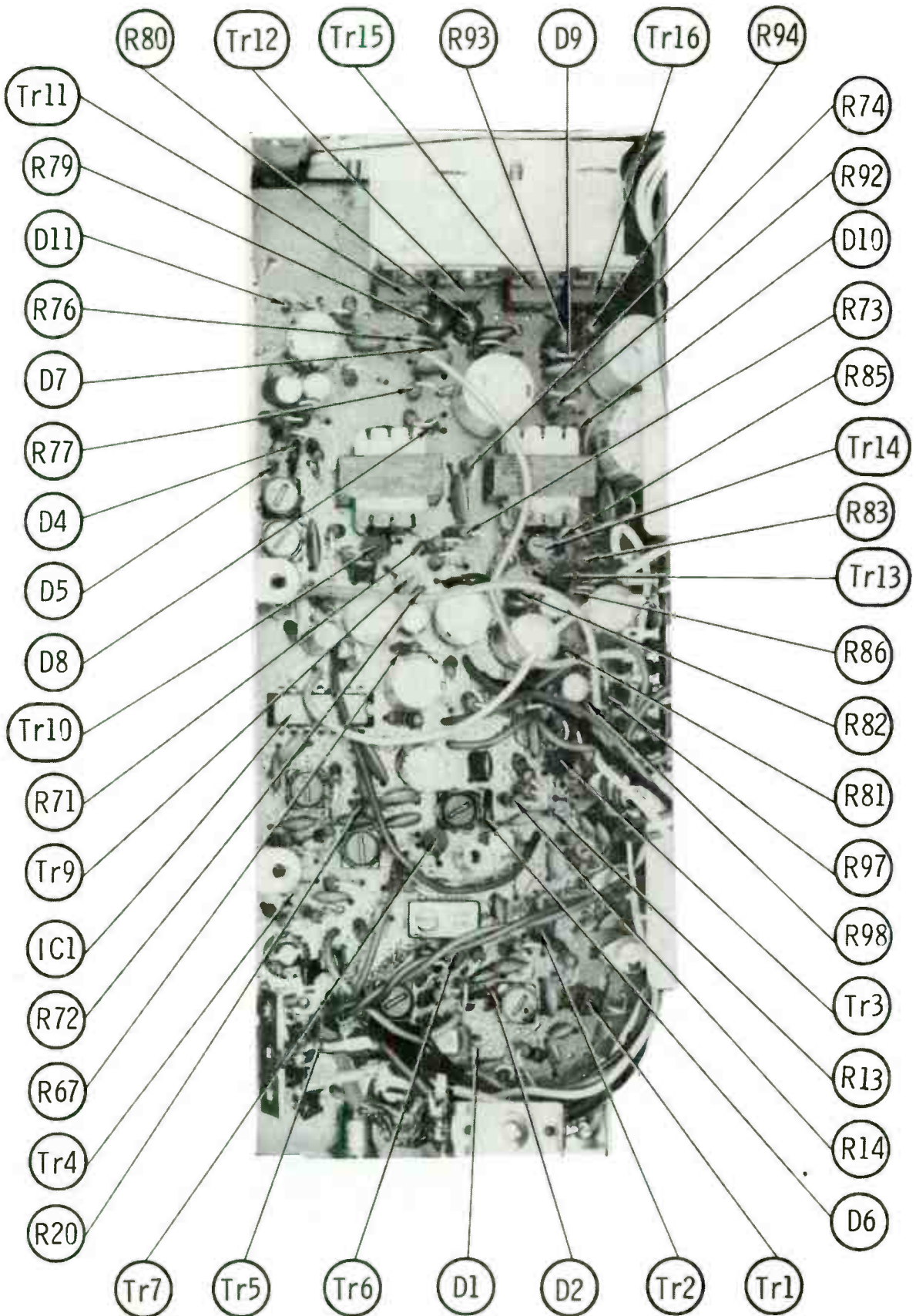
CHASSIS-BOTTOM



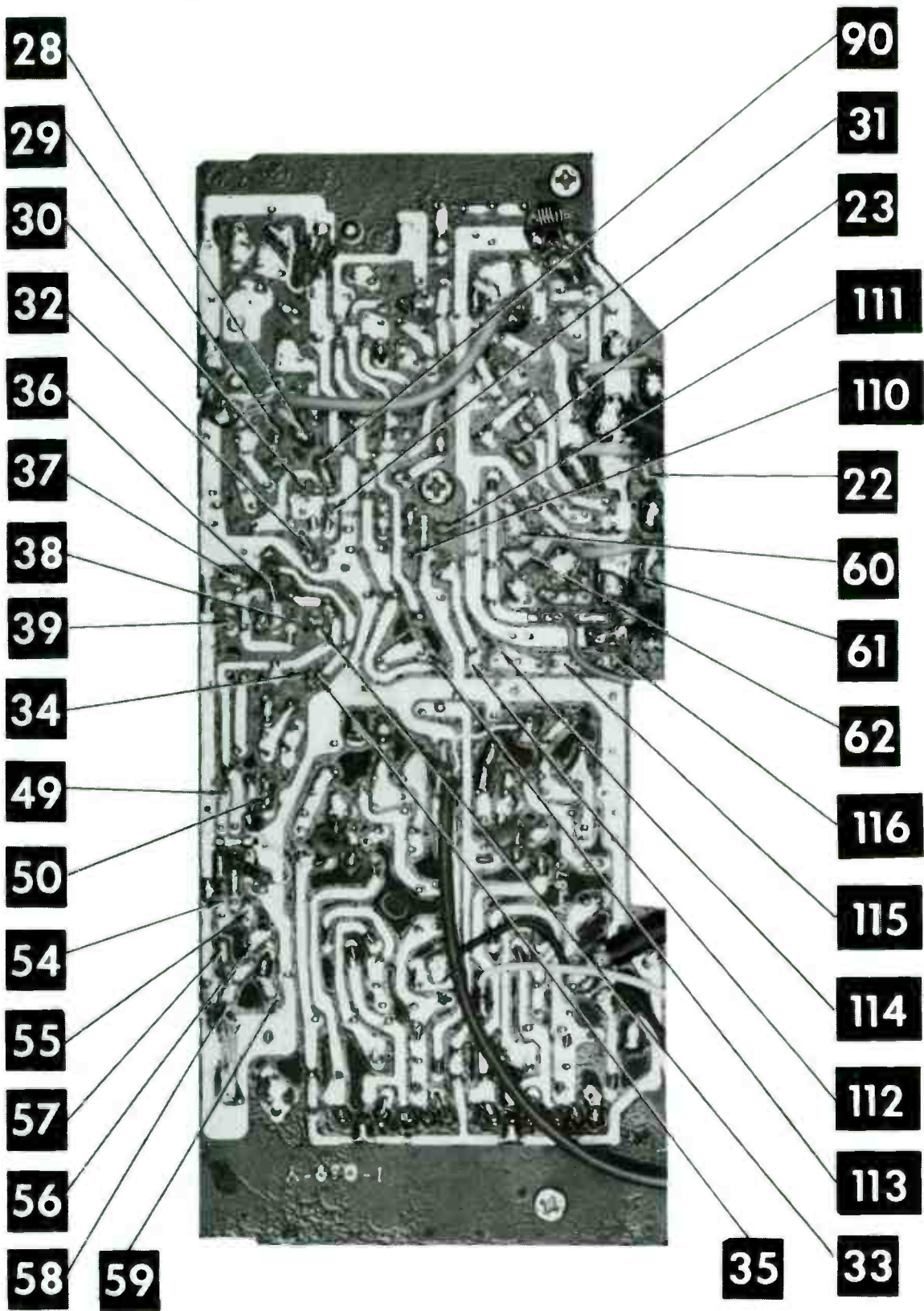
RF-IF-AUDIO BOARD



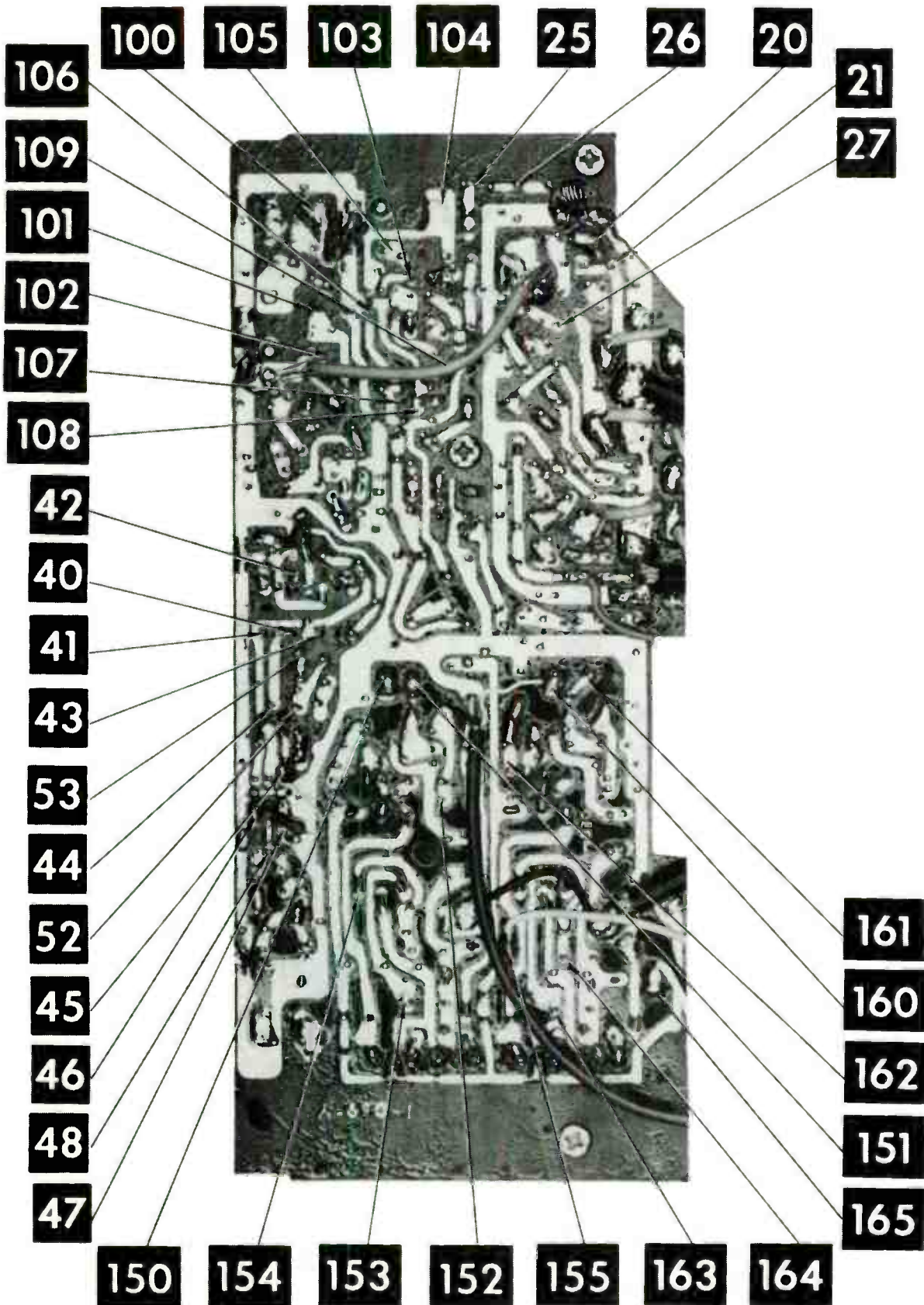
RF-IF-AUDIO BOARD



RF-IF-AUDIO BOARD

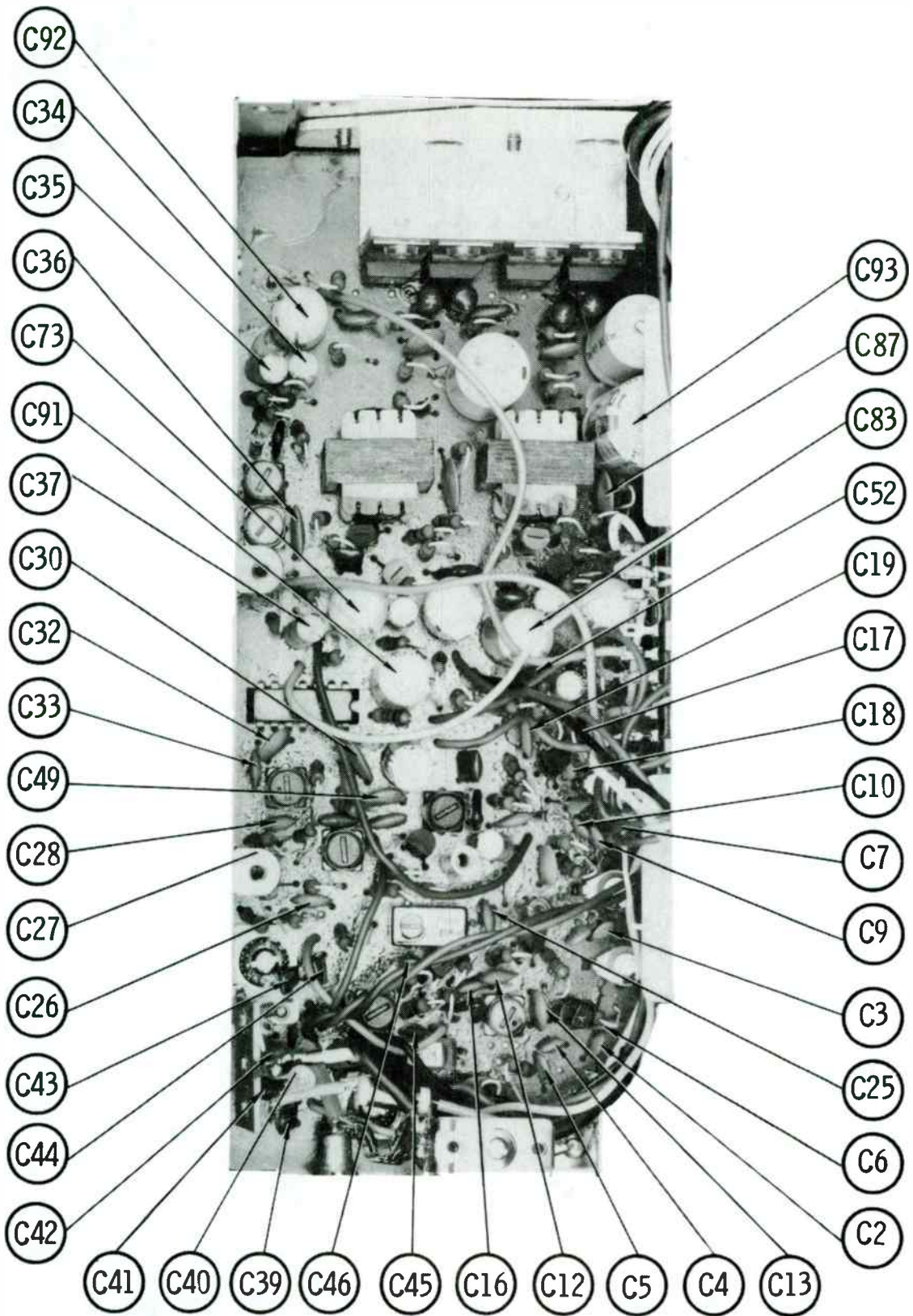


RF-IF-AUDIO BOARD

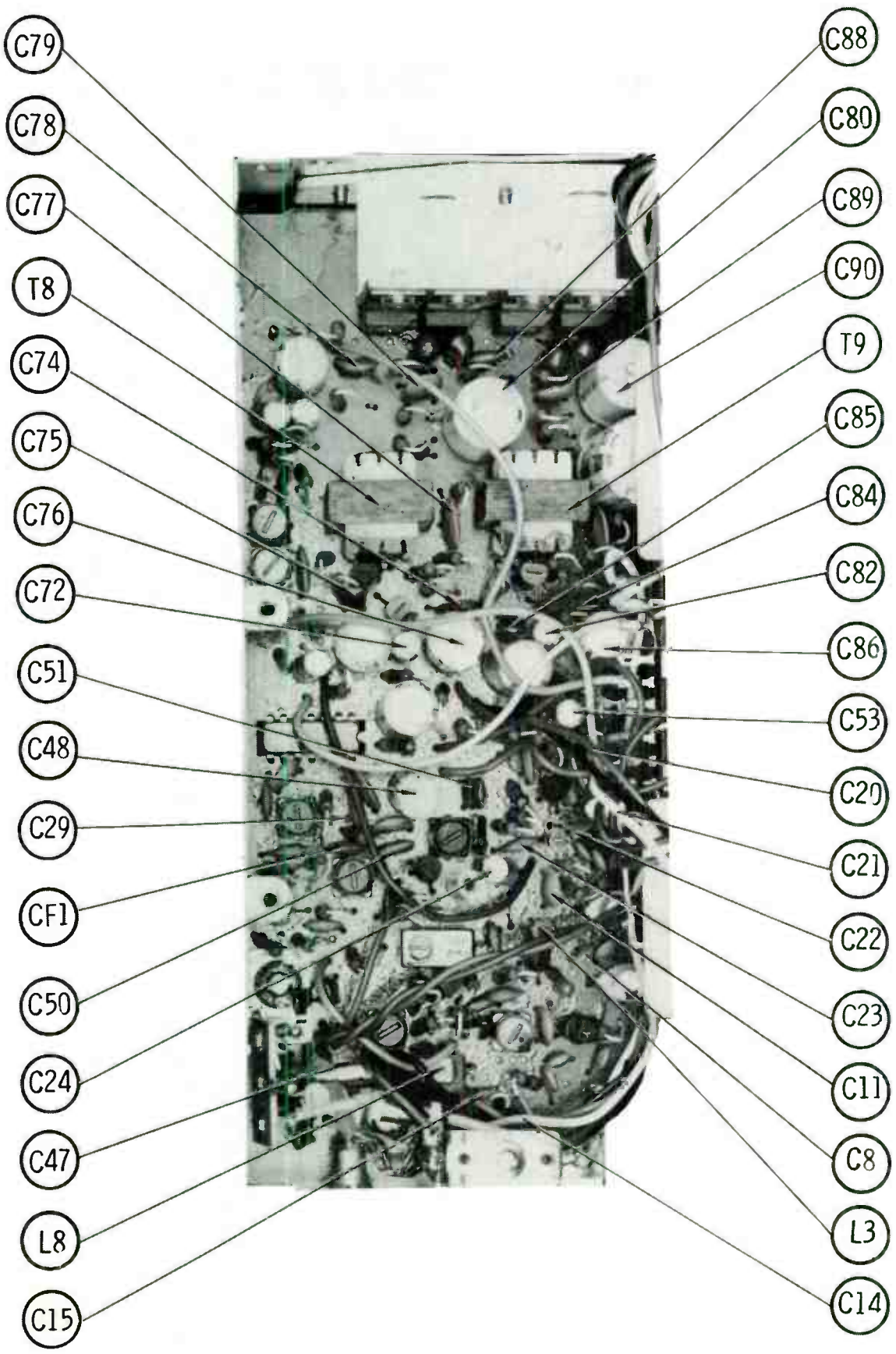


CHANNEL MASTER MODEL 6299

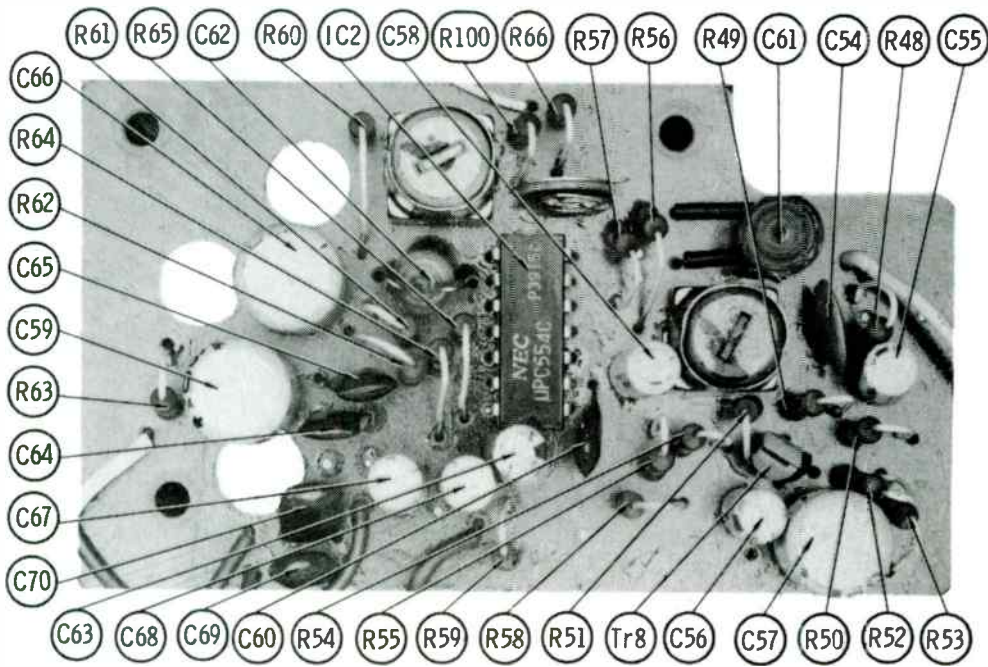
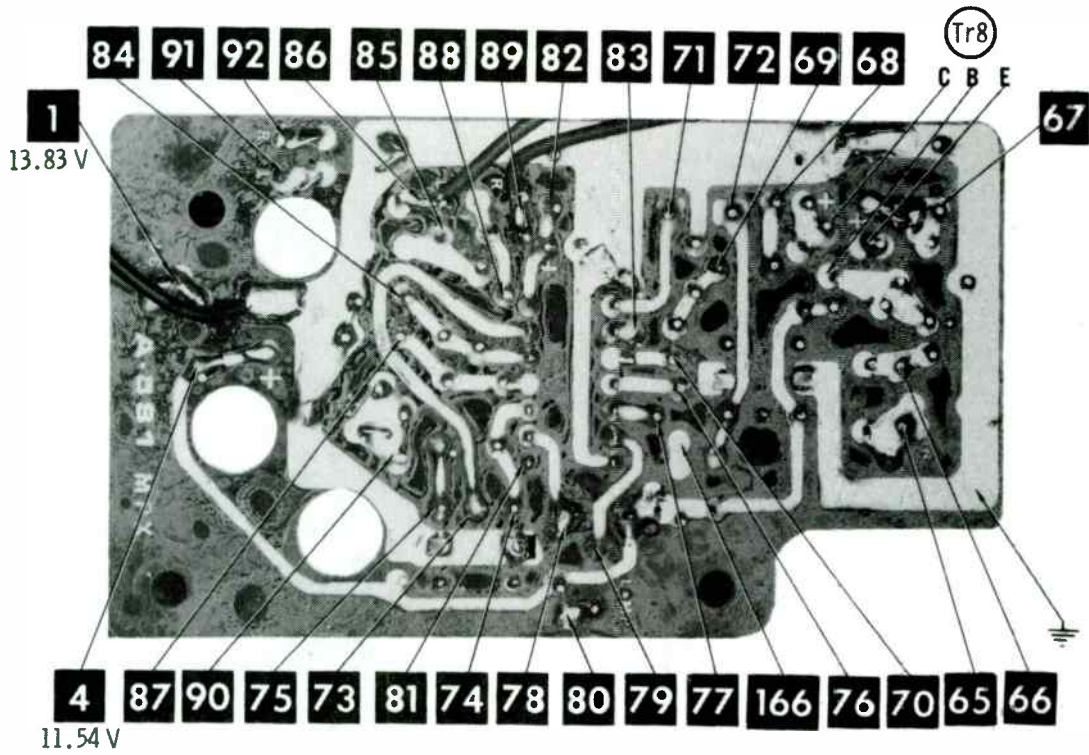
RF-IF-AUDIO BOARD



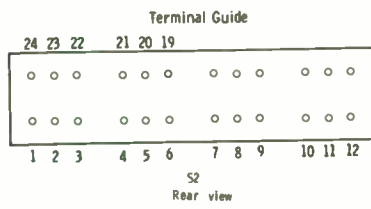
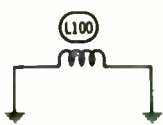
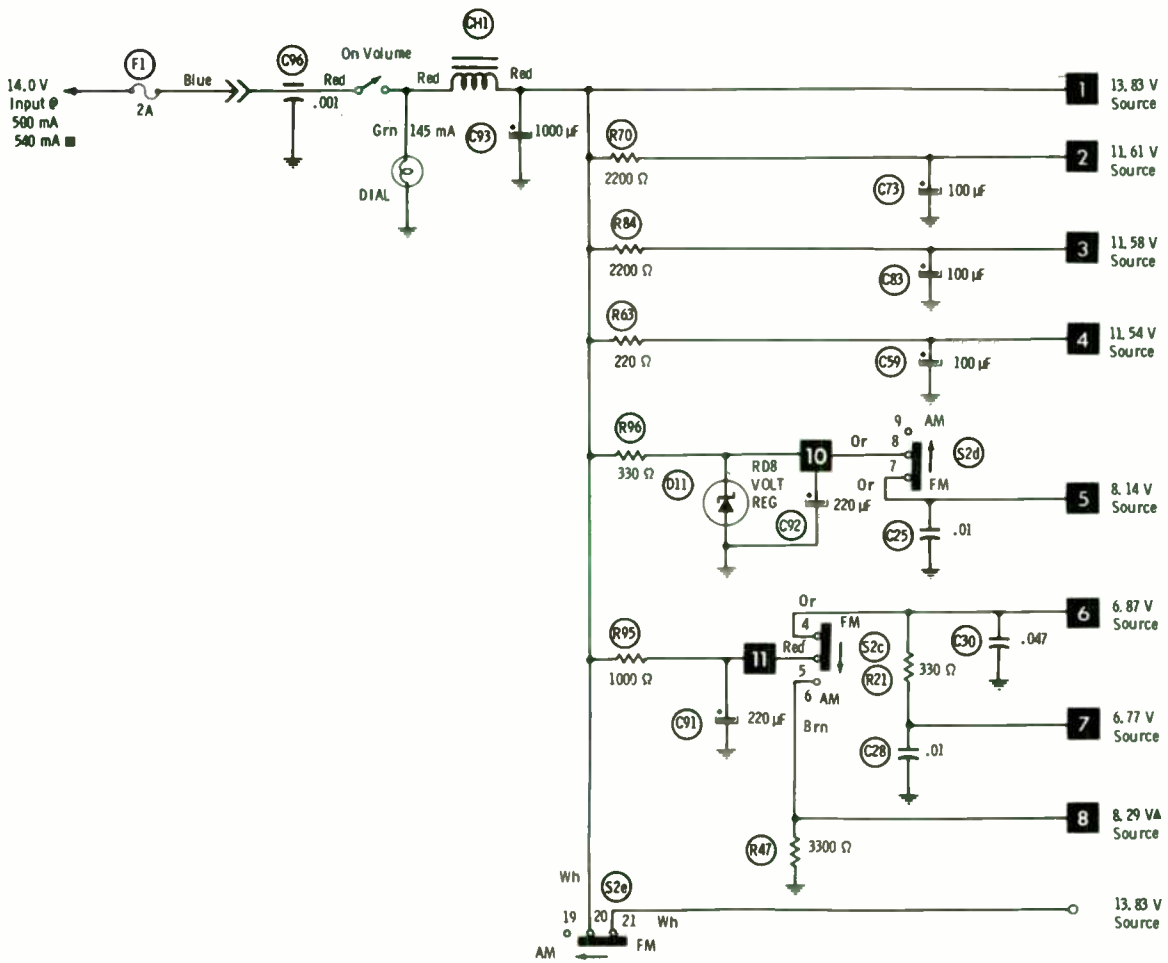
RF-IF-AUDIO BOARD



RF-IF-AUDIO BOARD

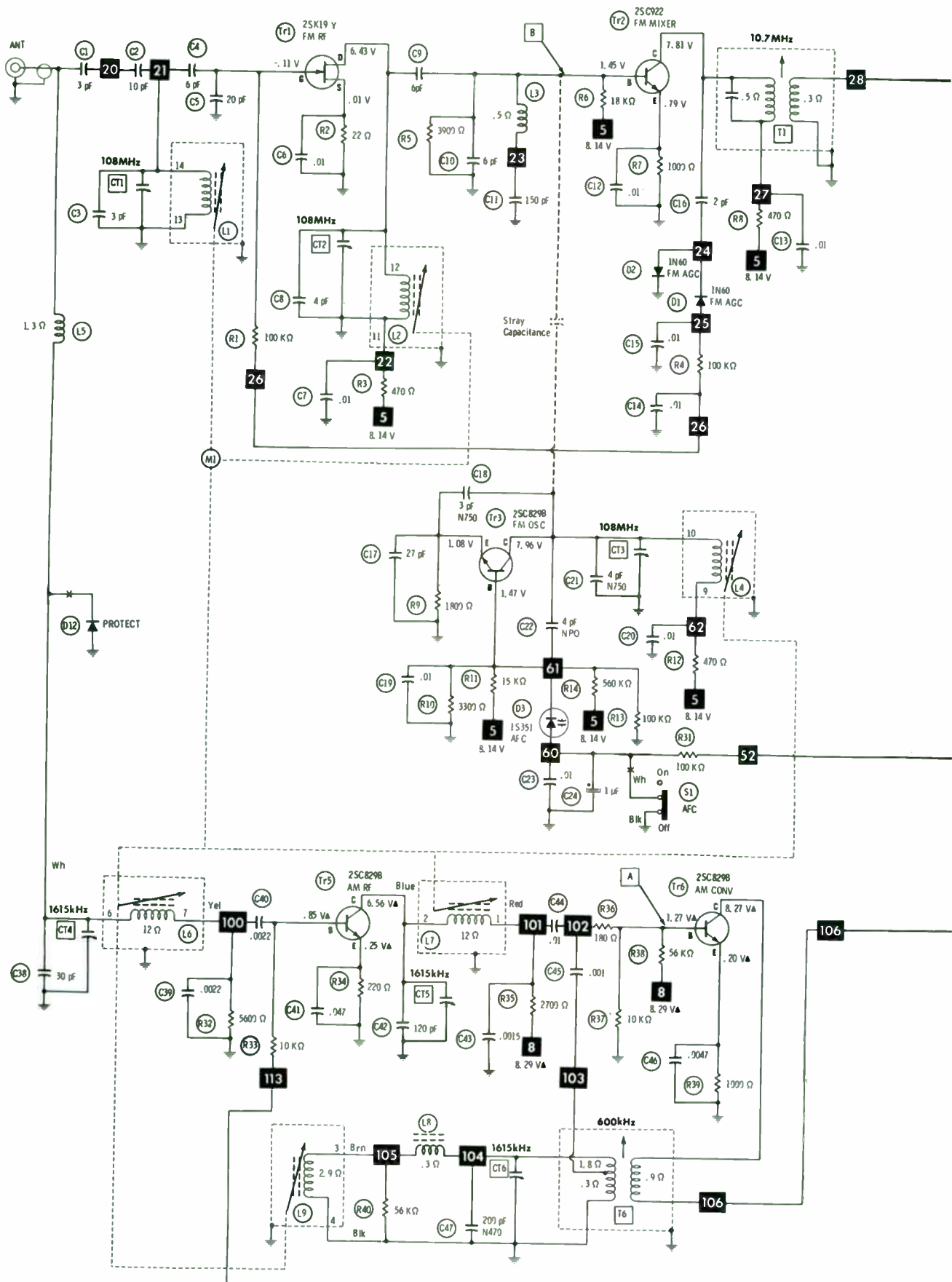


MPX BOARD



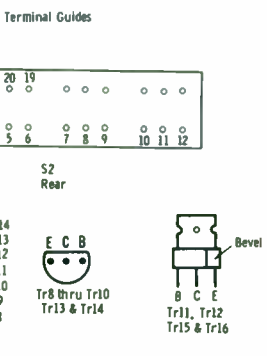
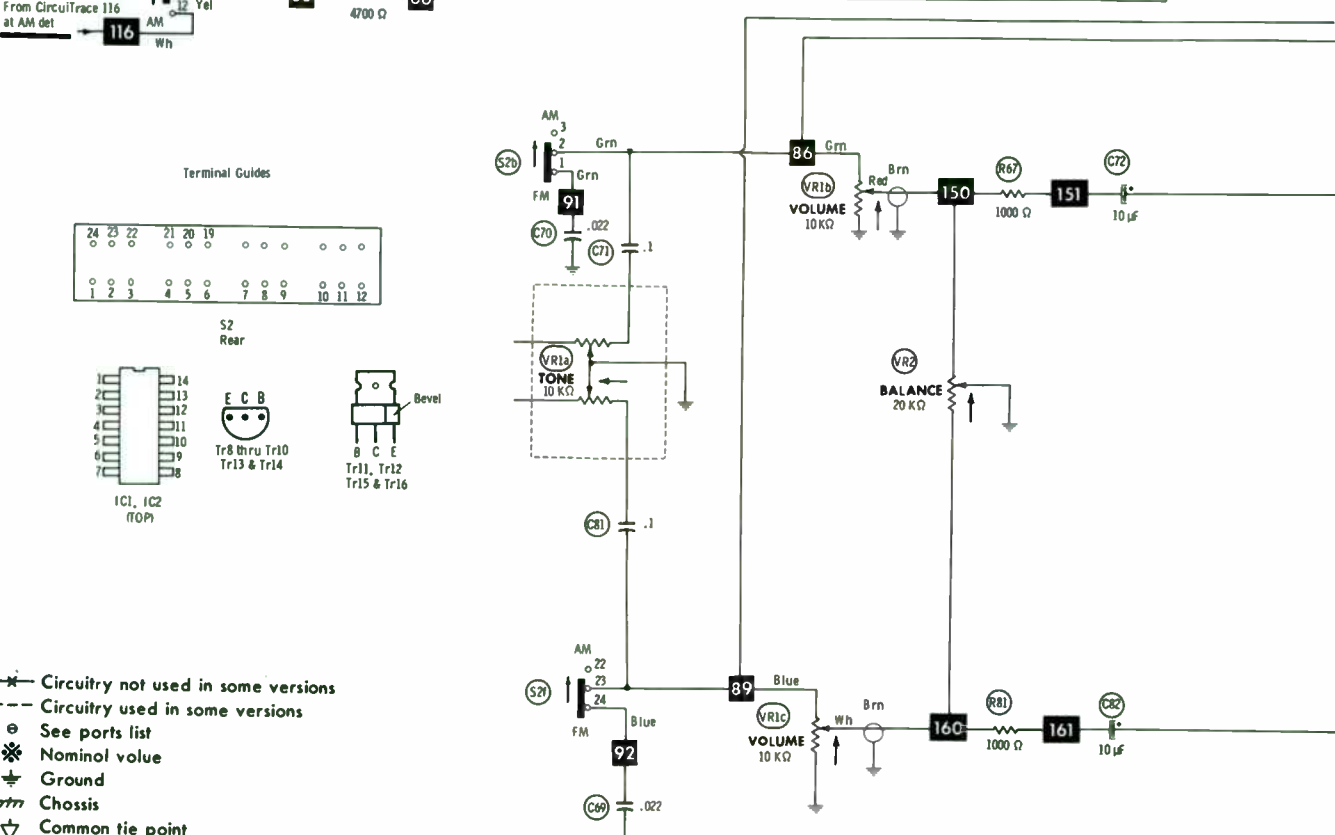
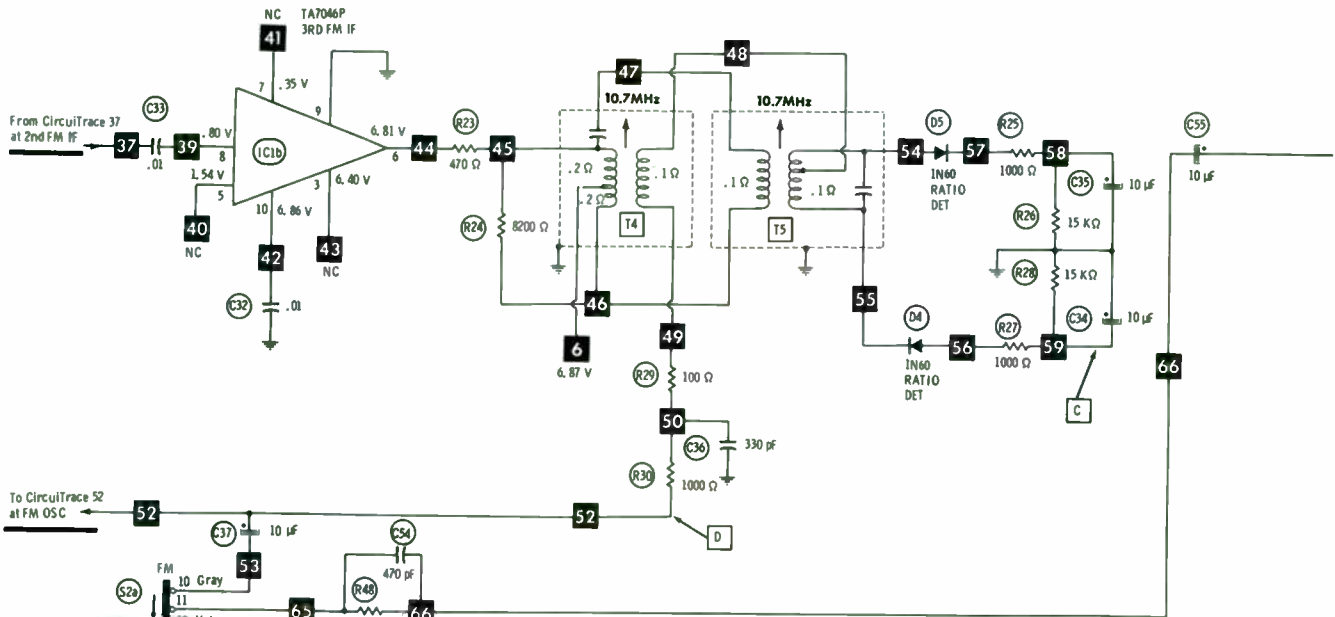
- ⊥ Denotes ground. (Voltage reference unless otherwise indicated).
 - Indicates connection used in some versions.
 - x- Indicates connection not used in some versions.
 - * Omitted in some versions.
 - ⊙ See parts list.
 - ⊙ Measurements taken with switching in position shown unless otherwise indicated.
 - ▲ Measured with switching in "AM" position.
- Values shown in () are used in some applications.
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 CIRCUITRACE
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A PHOTOFAC STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE**

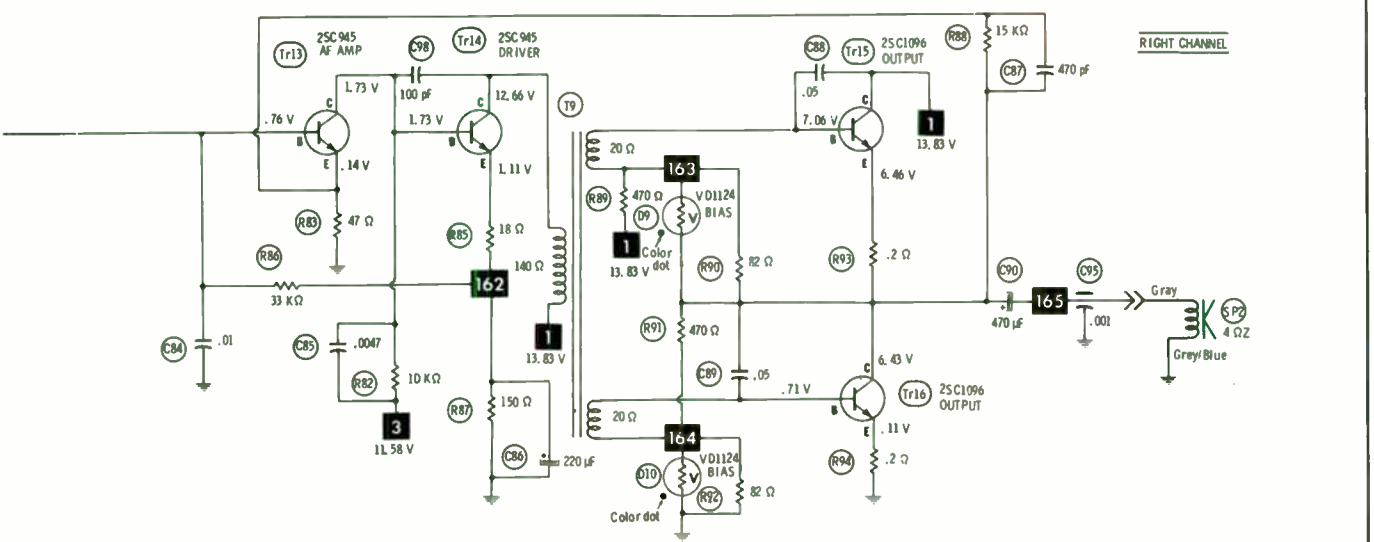
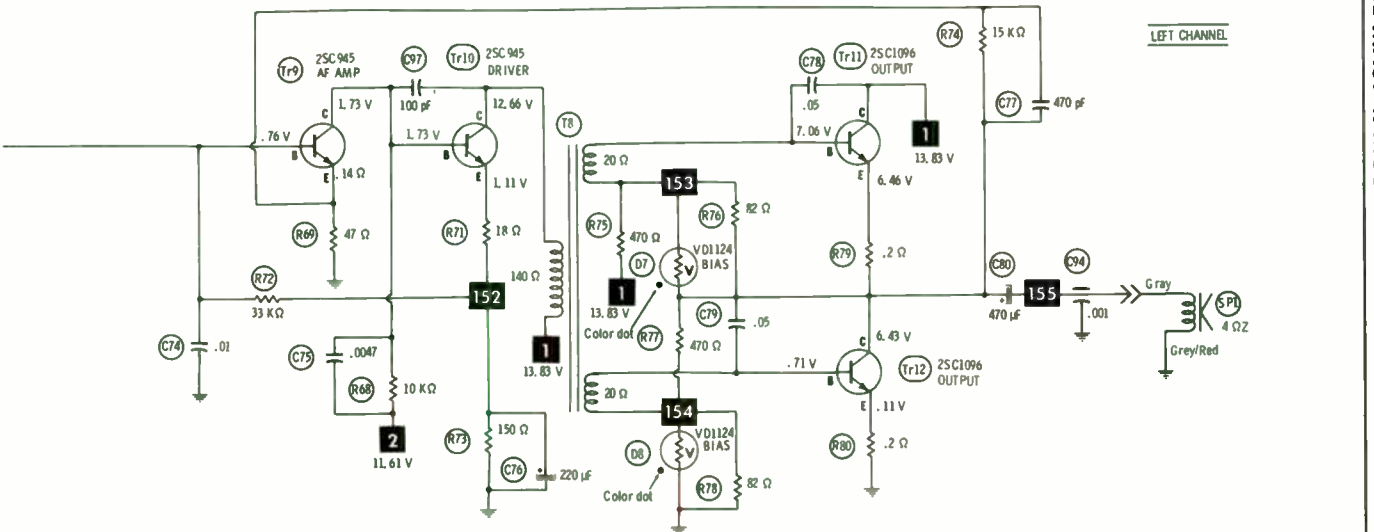
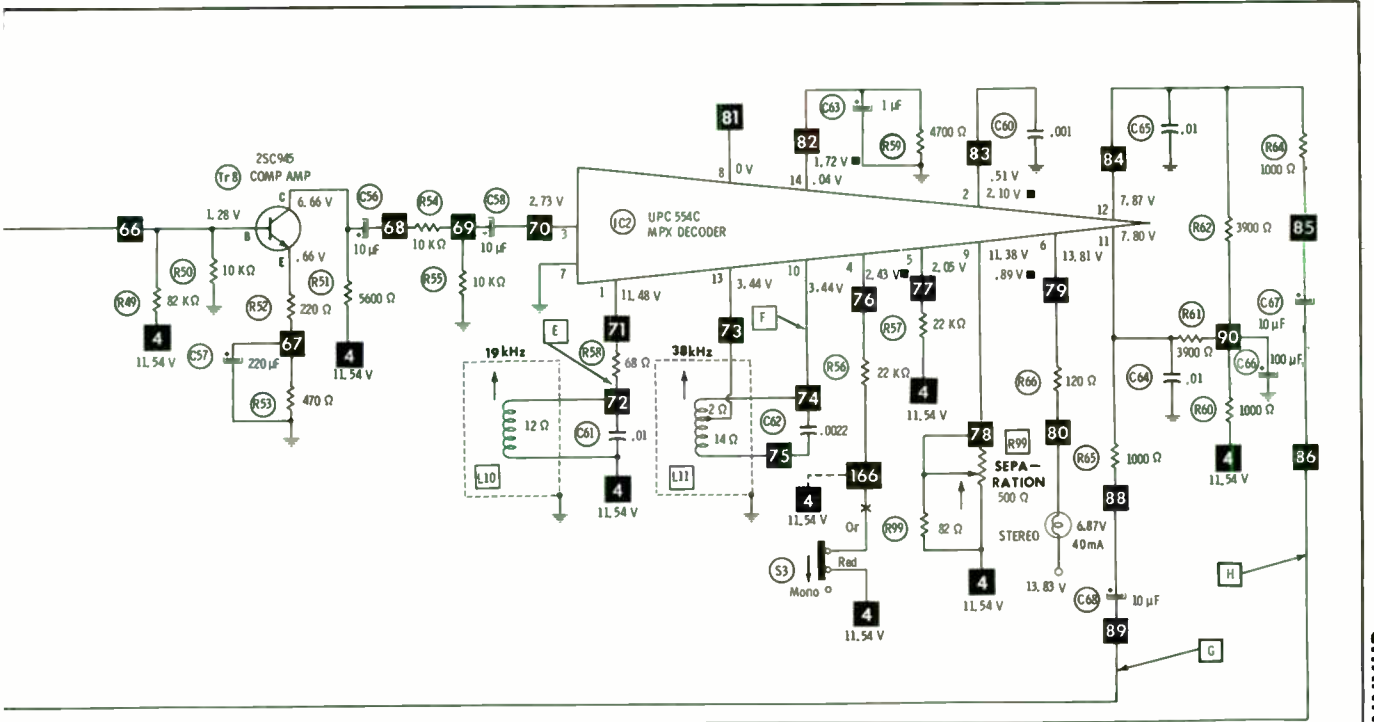
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- ⊗ Circuity not used in some versions
 - Circuity used in some versions
 - ⊕ See ports list
 - ⊛ Nominal value
 - ⊚ Ground
 - ⊚ Chassis
 - ▽ Common tie point
- Measurements with switching as shown unless noted:
- FM Stereo signal
 - ▲ AM

Supply voltage maintained as shown or input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Arrow of control indicates direction of advance.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 10% unless noted.
 Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH **CIRCUITRACE**
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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.

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D1	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D2	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D3	1S351		GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	
D4	1N60		1N60(7)	1N60 (7)	PTC206M(6)	HEPR9135(7)	RE 86(6)	SK3088(7)	RT-263(7)	ECG110(6)
D5	1N60									
D6	1N60		1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D7	VD1124				PTC301					
D8	VD1124				PTC301					
D9	VD1124				PTC301					
D10	VD1124				PTC301					
D11	RD8.2EB				Z88.2B					
D12			GEZD-8.2							
IC1	TA7046P		GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-257	ECG5072
IC2	uPC554C		GEIC-87						RT-218	ECG177
TR1	2SK19Y		GE-FET-2	FE-100	PTC161	HEPF0021	RE 45	SK3116	RT-175	ECG1142
TR2	2SC922		GE-17	TR-21	PTC136	HEPS0015	RE 13	SK3018	RT-107A	ECG312
TR3	2SC829B		GE-20	(1R)2SC829B	PTC136	HEPS0011	RE 9	SK3018	RT-105	ECG123A
TR4	2SC839B		GE-20	(1R)2SC829B	PTC136	HEPS0011	RE 9	SK3018	RT-105	ECG229
TR5	2SC829B		GE-20	(1R)2SC829B	PTC136	HEPS0011	RE 9	SK3018	RT-105	ECG229
TR6	2SC829B		GE-20	(1R)2SC829B	PTC136	HEPS0011	RE 9	SK3018	RT-105	ECG229
TR7	2SC829B		GE-20	(1R)2SC829B	PTC136	HEPS0011	RE 9	SK3018	RT-105	ECG229
TR8	2SC945		GE-20	(1R)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
TR9	2SC945		GE-20	(1R)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
TR10	2SC945		GE-20	(1R)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
TR11	2SC1096		GE-28	TR-55	PTC110	HEPS5000	RE 42	SK3054	RT-197	ECG186A
TR12	2SC1096		GE-28	TR-55	PTC110	HEPS5000	RE 42	SK3054	RT-197	ECG186A
TR13	2SC945		GE-20	(1R)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
TR14	2SC945		GE-20	(1R)2SC945	PTC121	HEPS0015	RE 192	SK3124	RT-107A	ECG199
TR15	2SC1096		GE-28	TR-55	PTC110	HEPS5000	RE 42	SK3054	RT-197	ECG186A
TR16	2SC1096		GE-28	TR-55	PTC110	HEPS5000	RE 42	SK3054	RT-197	ECG186A

(6) Matched pair.

(7) Two required - select matched pair.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C24	1 50V		PC1-50	VTT1B63	EV-1615
C34	10 6.3V		PC10-25	VTT10A25	EV-1222
C35	10 6.3V		PC10-25	VTT10A25	EV-1222
C37	10 6.3V		PC10-25	VTT10A25	EV-1222
C48	33 16V		PC30-25	VTT33D25	EV-1325
C53	10 6.3V		PC10-25	VTT10A25	EV-1222
C55	10 16V		PC10-25	VTT10A25	EV-1222
C56	10 16V		PC10-25	VTT10A25	EV-1222
C57	220 10V		PC250-10	VTT220F10	EV-1140
C58	10 16V		PC10-25	VTT10A25	EV-1222
C59	100 16V		PC100-16	VTT100F16	EV-1230
C63	1 16V		PC1-50	TT15X1	EV-1315
C66	100 16V		PC100-16	VTT100F16	EV-1230
C67	10 16V		PC10-25	VTT10A25	EV-1222
C68	10 16V		PC10-25	VTT10A25	EV-1222
C72	10 6.3V		PC10-25	VTT10A25	EV-1222
C73	100 16V		PC100-16	VTT100F16	EV-1230
C76	220 10V		PC250-10	VTT220F10	EV-1140
C80	470 10V		PC500-16	VTT470J16	EV-1150
C82	10 6.3V		PC10-25	VTT10A25	EV-1222
C83	100 16V		PC100-16	VTT100F16	EV-1230
C86	220 10V		PC250-10	VTT220F10	EV-1140
C90	470 10V		PC500-16	VTT470J16	EV-1150
C91	220 10V		PC250-10	VTT220F10	EV-1140
C92	220 10V		PC250-10	VTT220F10	EV-1140
C93	1000 16V		PC1000-16	VTT1000L16	EV-1260

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	3		DTZ-3R3	NP03P3	CN0533	10TCC-V33
C2	10		DTZ-10	NP010	CN0410	10TCC-Q10
C3	3		DTZ-3R3	NP03P3	CN0533	10TCC-V33
C4	6		DTZ-6R8	NP06P8	CN0568	10TCC-V68
C5	20		DTZ-20	NP020	CN0420	10TCC-Q20
C6	.01		DC-103	MGP01	TA110	TG-S10
C7	.01		DC-103	MGP01	TA110	TG-S10
C8	4		DTZ-4R7	NP04P7	CN0547	10TCC-V47
C9	6		DTZ-6R8	NP06P8	CN0568	10TCC-V68
C10	6		DTZ-6R8	NP06P8	CN0568	10TCC-V68

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 (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C11	150		DD-151		GP315	10TS-T15
C12	.01		DC-103	MGP01	TA110	TG-S10
C13	.01		DC-103	MGP01	TA110	TG-S10
C14	.01		DC-103	MGP01	TA110	TG-S10
C15	.01		DC-103	MGP01	TA110	TG-S10
C16	2		DTZ-2R2	NPO2P2	CN0522	10TCC-V22
C17	27				CN0427	10TCC-Q27
C18	3 N750					
C19	.01		DC-103	MGP01	TA110	TG-S10
C20	.01		DC-103	MGP01	TA110	TG-S10
C21	4 N750				CN7547	10TCU-V47
C22	4 NPO		DTZ-4R7	NPO4P7	CN0547	10TCC-V47
C23	.01		DC-103	MGP01	TA110	TG-S10
C25	.01		DC-103	MGP01	TA110	TG-S10
C26	.01		DC-103	MGP01	TA110	TG-S10
C27	.01		DC-103	MGP01	TA110	TG-S10
C28	.01		DC-103	MGP01	TA110	TG-S10
C29	.01		DC-103	MGP01	TA110	TG-S10
C30	.047		DC-503	MGP05	TA150	TG-S50
C31	15		DTZ-15	NPO15	CN0415	10TCC-Q15
C32	.01		DC-103	MGP01	TA110	TG-S10
C33	.01		DC-103	MGP01	TA110	TG-S10
C36	330		DD-331	GP330	GP333	10TS-T33
C38	30		DTZ-33	NPO33	CN0433	10TCC-Q33
C39	.0022			DPMS6D22	EFW6222	6PS-D22
C40	.0022			DPMS6D22	EFW6222	6PS-D22
C41	.047					
C42	12				CN0412	10TCC-Q12
C43	.0015					
C44	.01			WMF1S1	EFW1A110	1PB-S10
C45	.001					
C46	.0047			WMF1D47	EFW1A247	1PB-D47
C47	200 N470					
C49	.05		DC-503	MGP05	TA150	TG-S50
C50	.05		DC-503	MGP05	TA150	TG-S50
C51	.01			WMF1S1	EFW1A110	1PB-S10
C52	.0047			WMF1D47	EFW1A247	1PB-D47
C54	470		DD-471	GP470	GP347	10TS-T47
C60	.001			WMF1D47	EFW1A247	1PB-D47
C61	.01			WMF1S1	EFW1A110	1PB-S10
C62	.0022			CD19FD222J03	SX222	424ME2201J501
C64	.01			WMF1S1	EFW1A110	1PB-S10
C65	.01			WMF1S1	EFW1A110	1PB-S10
C69	.022			DPMS2S22	EFW1A122	1PB-S22
C70	.022			DPMS2S22	EFW1A122	1PB-S22
C71	.1		DC-104	MGP1	TA010	TG-P10
C74	.01			WMF1S1	EFW1A110	1PB-S10
C75	.0047			WMF1D47	EFW1A247	1PB-D47
C77	470		DD-471	GP470	GP347	10TS-T47
C78	.05		DC-503	MGP05	TA150	TG-S50
C79	.05		DC-503	MGP05	TA150	TG-S50
C81	.1		DC-104	MGP1	TA010	TG-P10
C84	.01			WMF1S1	EFW1A110	1PB-S10
C85	.0047			WMF1D47	EFW1A247	1PB-D47
C87	470		DD-471	GP470	GP347	10TS-T47
C88	.05		DC-503	MGP05	TA150	TG-S50
C89	.05		DC-503	MGP05	TA150	TG-S50
C94	.001					
C95	.001					
C96	.001					
C97	100					
C98	100					
CT1						
CT2						
CT3						
CT4						
CT5						
CT6						

CHANNEL MASTER MODEL 6299

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
R99	Separation	500		T-500 (2)	C-501 (2)	MTC52L1 (2)	X201R501B (2)
VR1a	Tone	10K					
b	Volume-Left	10K					
c	Volume-Right/Power Switch	10K					
VR2	Balance	20K					

(2) Cut off one of the end terminals and bend to fit PC board.

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.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
CF2	IF (455kHz)				
L1	FM Ant	(1)			
L2	FM RF	(1)			
L3	10.7MHz Trap				
L4	FM Osc	(1)			
L5	RF Choke				
L6	AM Ant	(1)			
L7	AM RF	(1)			
L8	Image Trap				
L9	AM Osc Tuning	(1)			
L10	19kHz				
L11	38kHz				
L100	RF Choke				
T1	IF (10.7MHz)				
T2	IF (10.7MHz)				
T3	IF (10.7MHz)				
T4	Ratio Detector (Pr.)				
T5	Ratio Detector (Sec.)				
T6	AM Osc				
T7	IF (455kHz)				

(1) Part of M1 (Tuner).

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
CH1	355mA	.4	3mH				

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T8	4	1	1				
T9	4	1	1				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
	4 Ohm, PM 4 Ohm, PM			

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	2A			AGC2	HDJ	312002	150145	FG2-2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
CF1	Filter		Ceramic, 10.7MHz AM-FM AFC AM-FM Selector Mono-Stereo Selector
M1	Tuner		
S1	Switch		
S2	Switch		
S3	Switch		

WIRING DATA

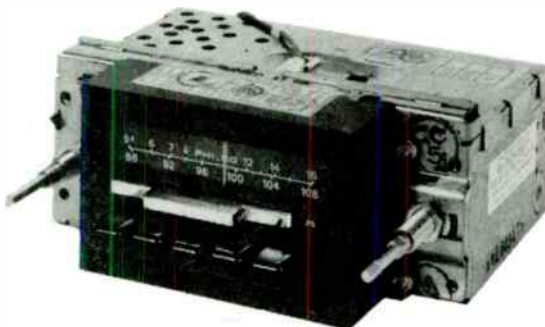
General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Shielded Hook-up Wire	Use BELDEN No. 8885
Rear Seat Speaker Extension Cable	Use BELDEN No. 8782 (Stranded) Coded Parallel Leads
Bonding Strap	Use BELDEN No. 8661 (3/8 In.) or 8670 (3/4 In.)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index



MODELS D6DA-19A171
D6EA-19A171
6A-D6DA-19A171
6A-D6EA-19A171

ALIGNMENT INSTRUCTIONS

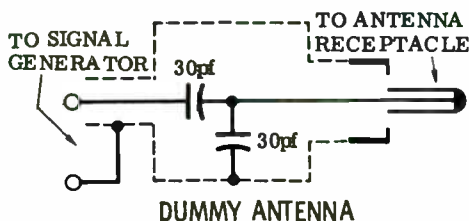
Check for specified source voltage.
Use only enough generator output
to provide a usable indication.
Suggested Alignment Tools: GC ELECTRONICS
ALL 8290, 8868, 9087

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 .1uF to point A, low side to ground.	262kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T102, T101	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	C109, C105, C101	"
Tuner alignment is not necessary unless associated components have been disturbed. If necessary, back tuning cores L102, L103, L105 out of coils but not out of forms. Repeat step 2.					
Thru dummy antenna to antenna input.	1000kHz	Tune to signal	Output meter across voice coil.	L105, L103, L102	Adjust for maximum. Repeat alignment until no further improvement is noted.

With radio installed in car and antenna extended 36", tune in a weak station near 1400kHz and adjust C101 for maximum output. Antenna adjustment C101 is located on rear upper right corner.



FORD/MERCURY MODELS 6A-D6DA-19A171, 6A-D6EA-19A171

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

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6AK938

ALIGNMENT INSTRUCTIONS (Continued)

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

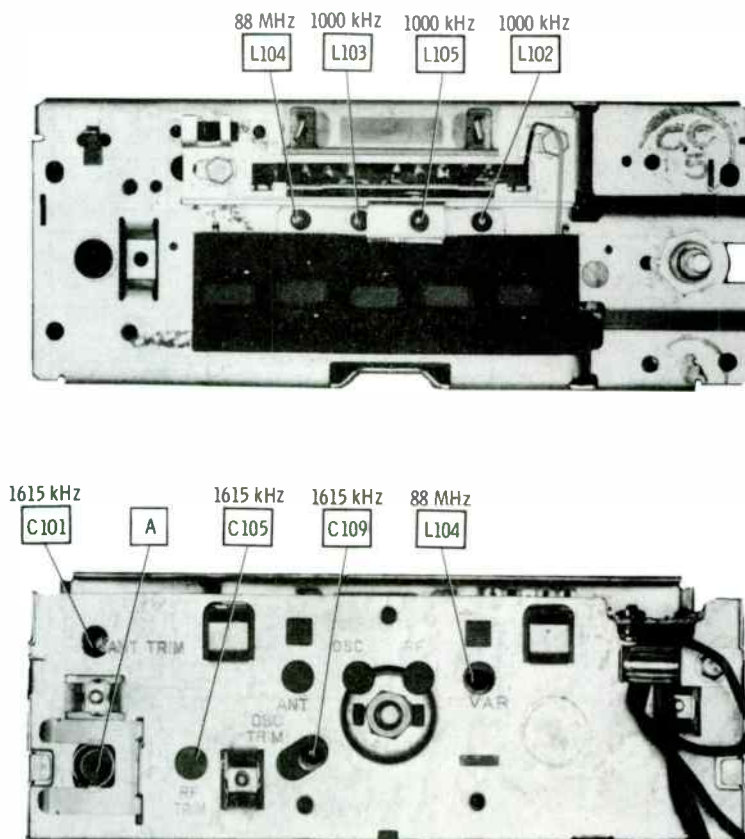
High side of generator thru .001uF to A.				
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
10.7MHz Unmodulated	Point of non-interference	DC probe of VTVM to B.	T202, T201	Adjust for maximum.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

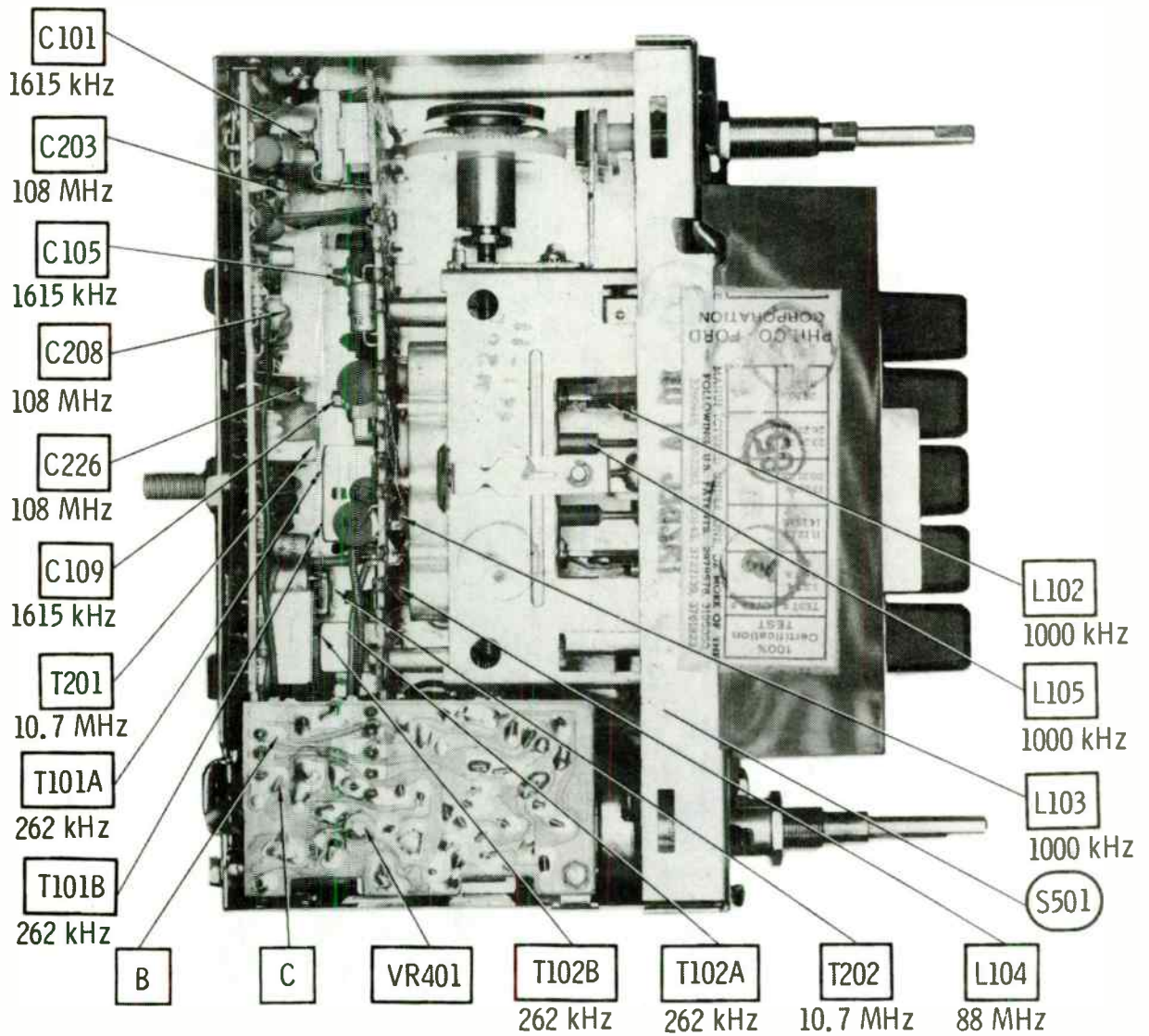
Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead. Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.				
GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
108MHz Unmodulated	High freq End stop	DC probe of VTVM to B.	C226, C208, C203	Adjust for maximum.
88MHz Unmodulated	Low freq End stop	"	L207, L204, L201	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

TUNING VOLTAGE ALIGNMENT

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
	108MHz	DC probe of VTVM to point C, common to ground.	VR401	Adjust for 6.77V.
	88MHz	DC probe of VTVM to point C, common to ground.	L104	Adjust for .76V.

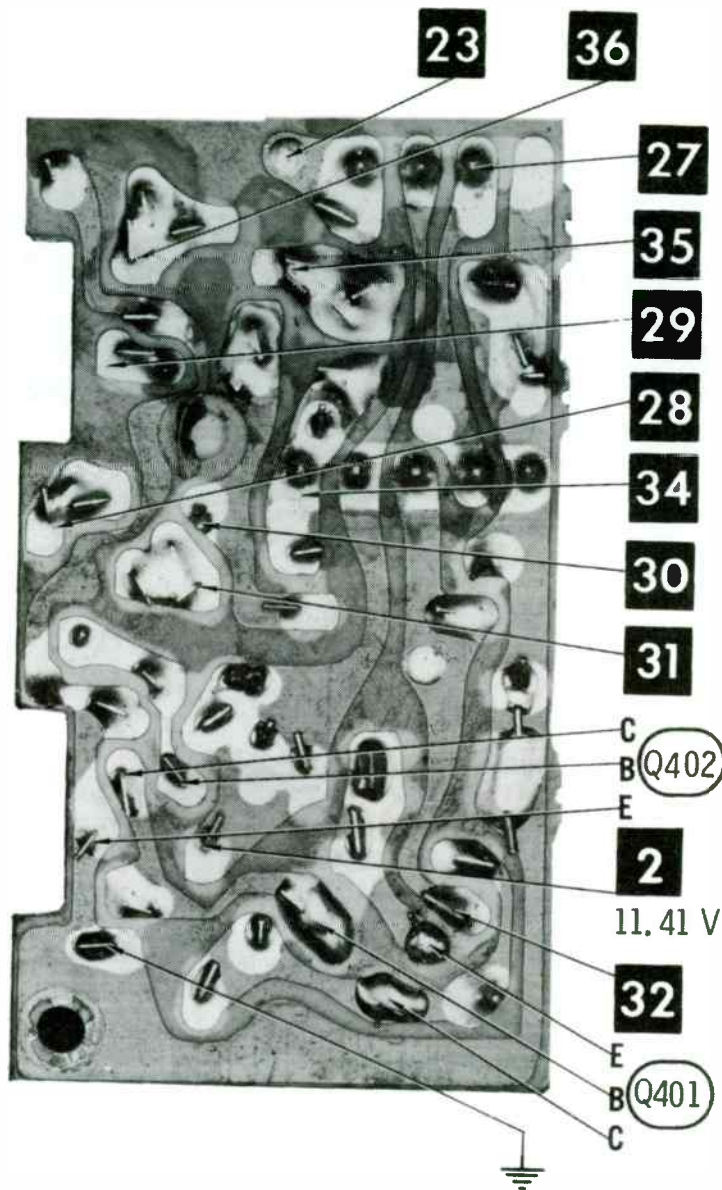
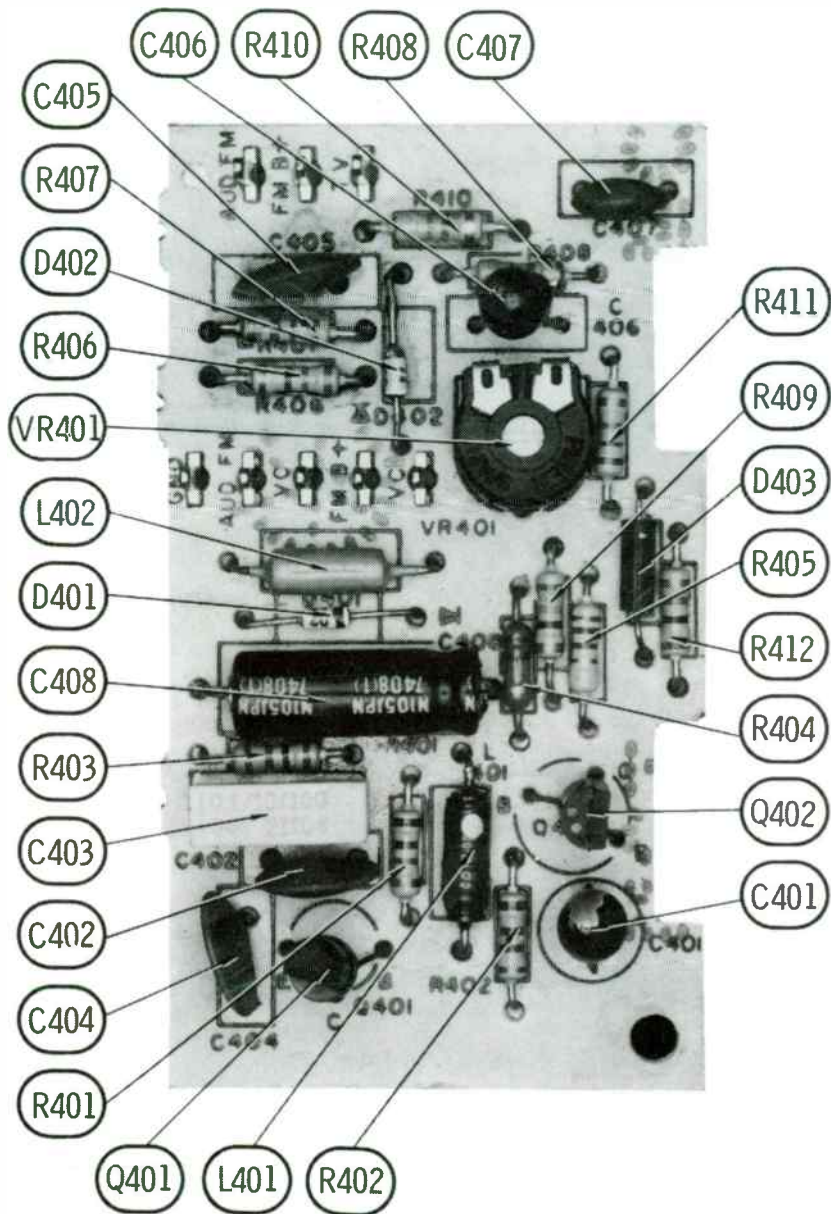


CHASSIS-END VIEW



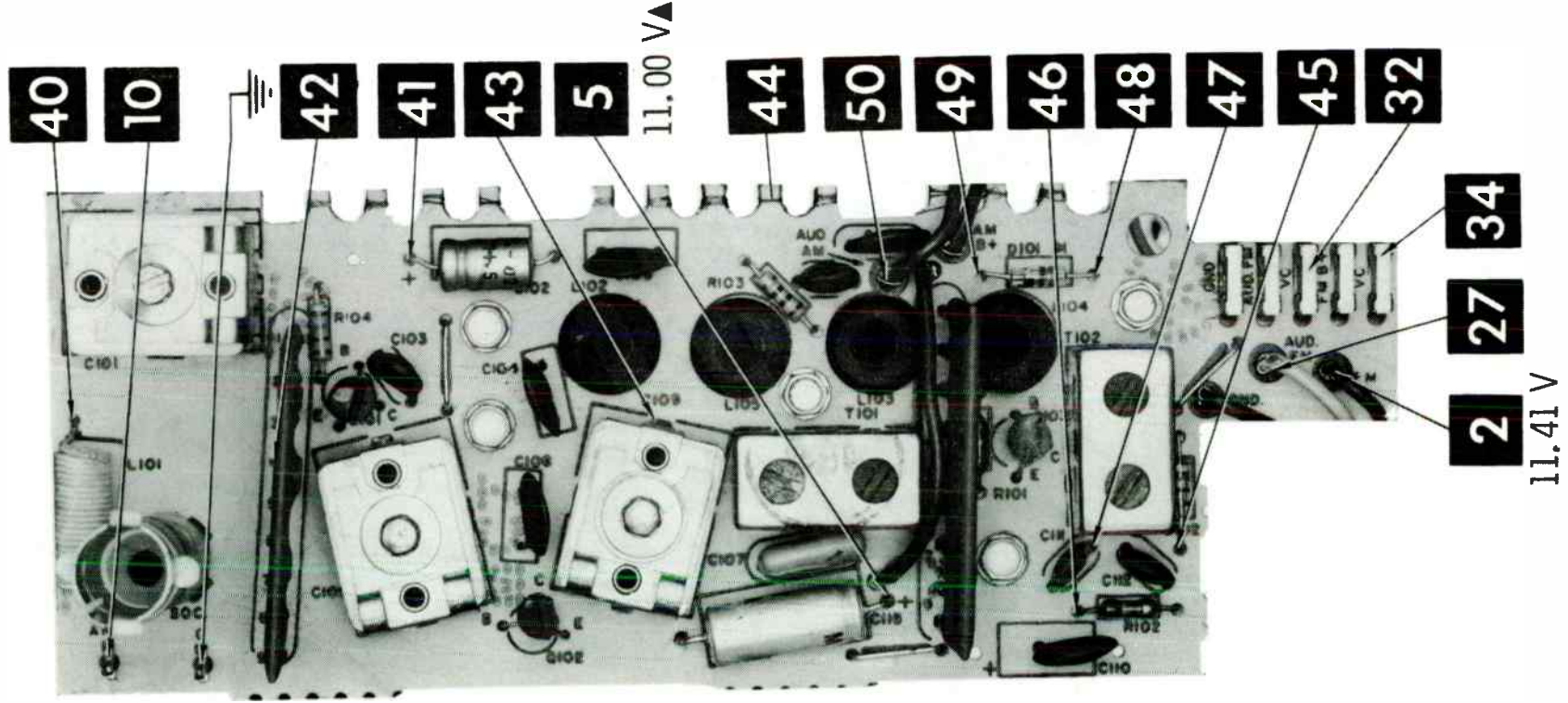
CHASSIS-TOP VIEW

VARACTOR BOARD

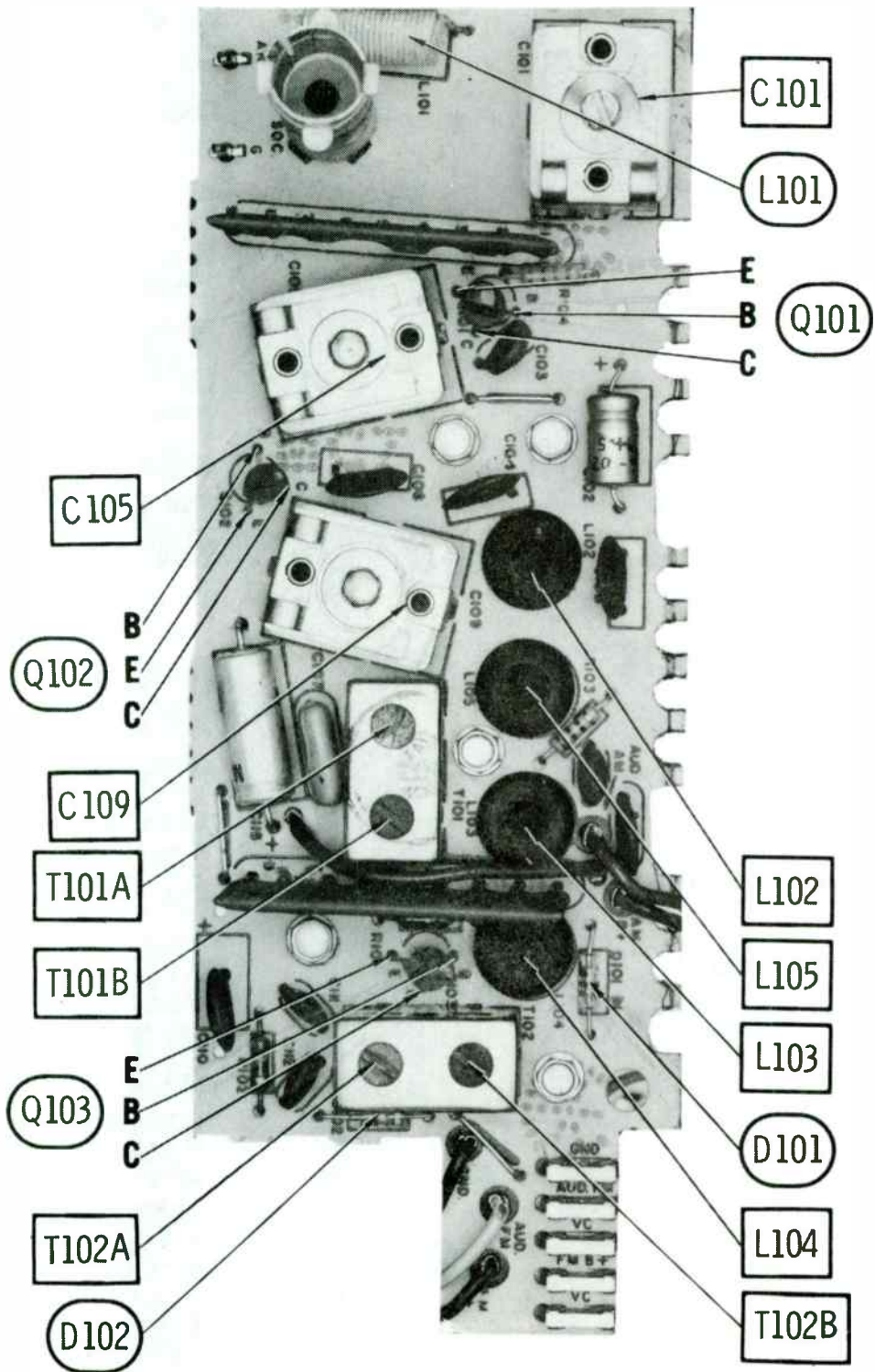


A Howard W. Sams **CircuitRACE** Photo

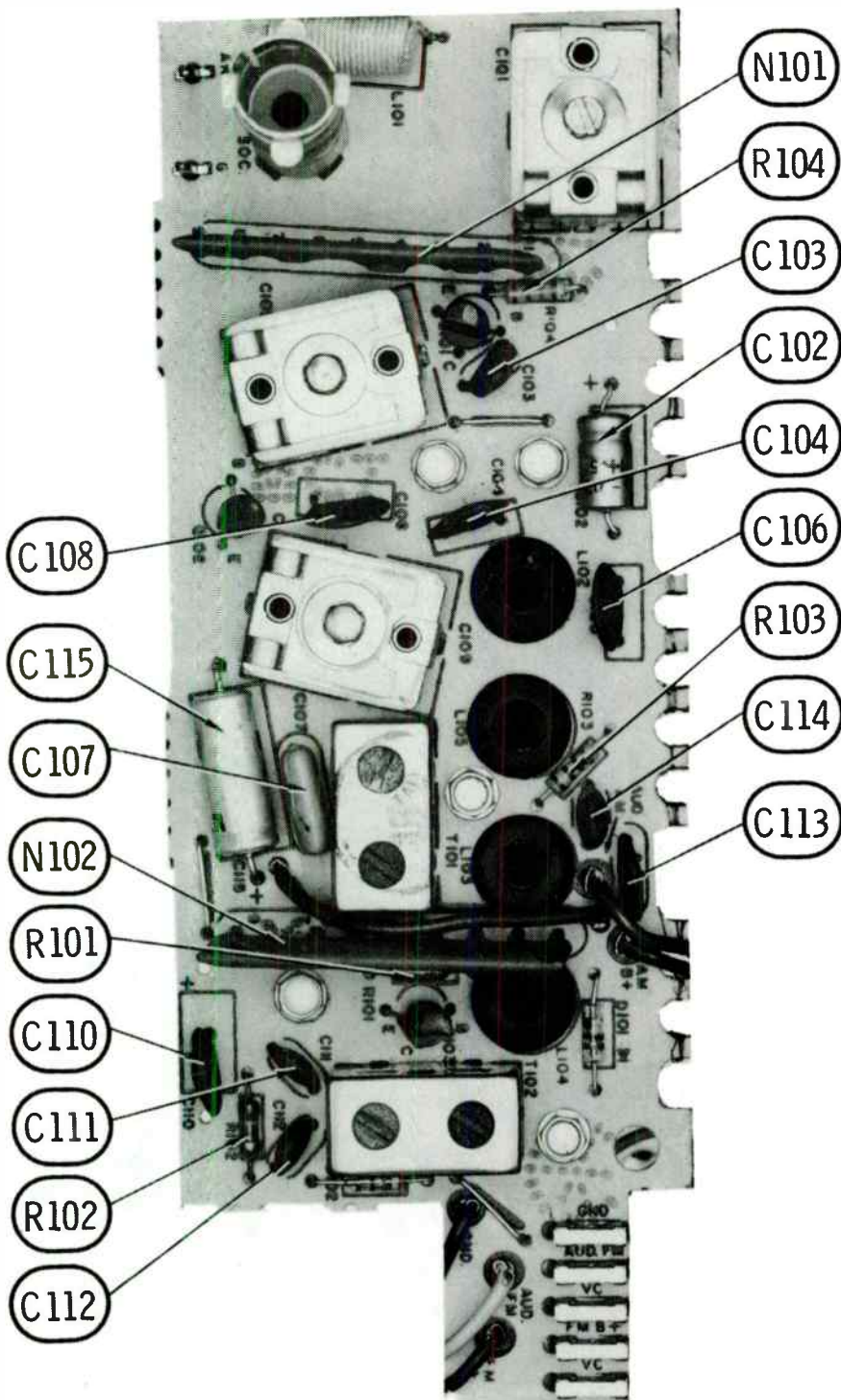
A Howard W. Sams **CIRCUITRACE**® Photo



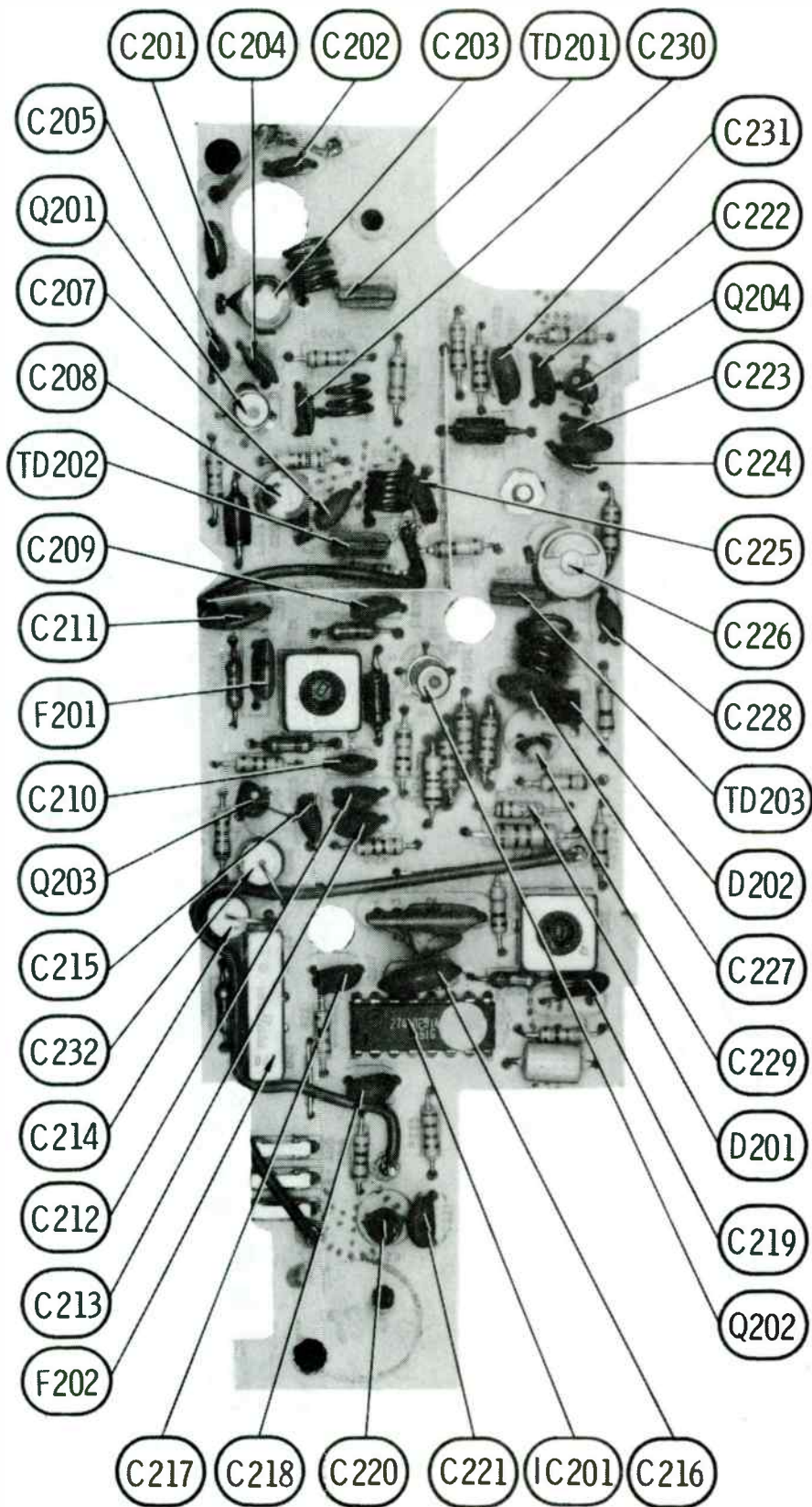
AM BOARD



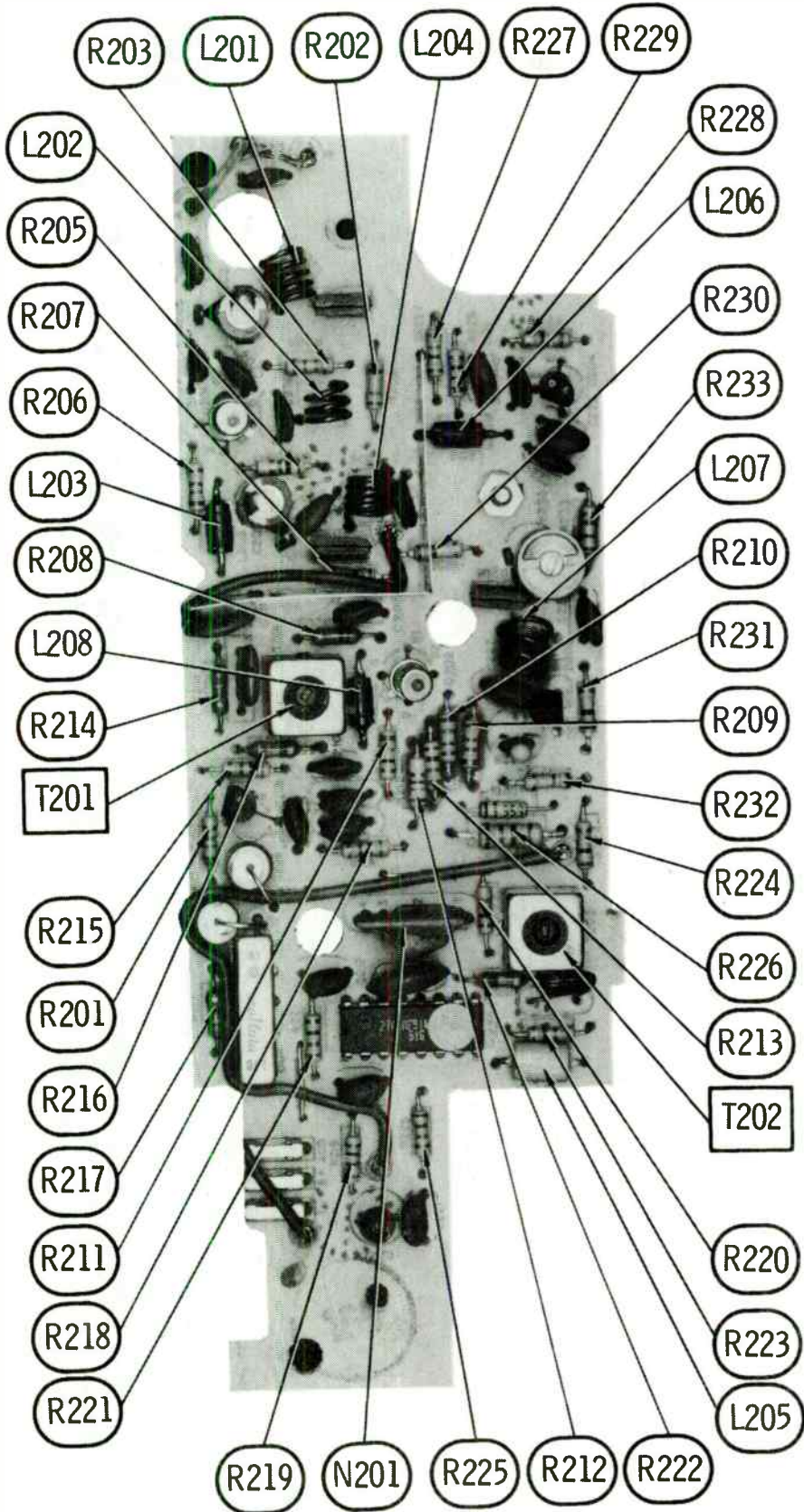
AM BOARD



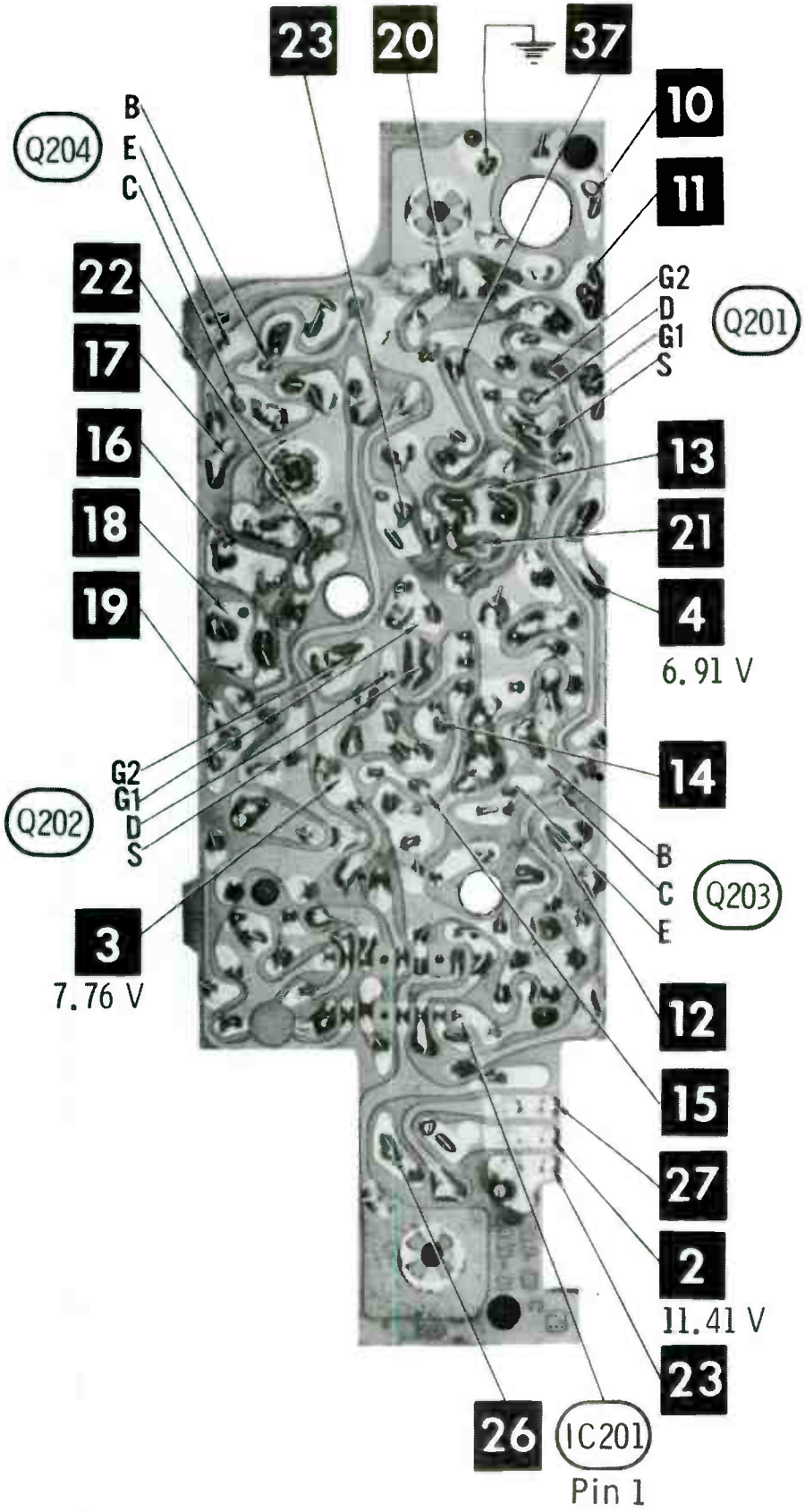
AM BOARD



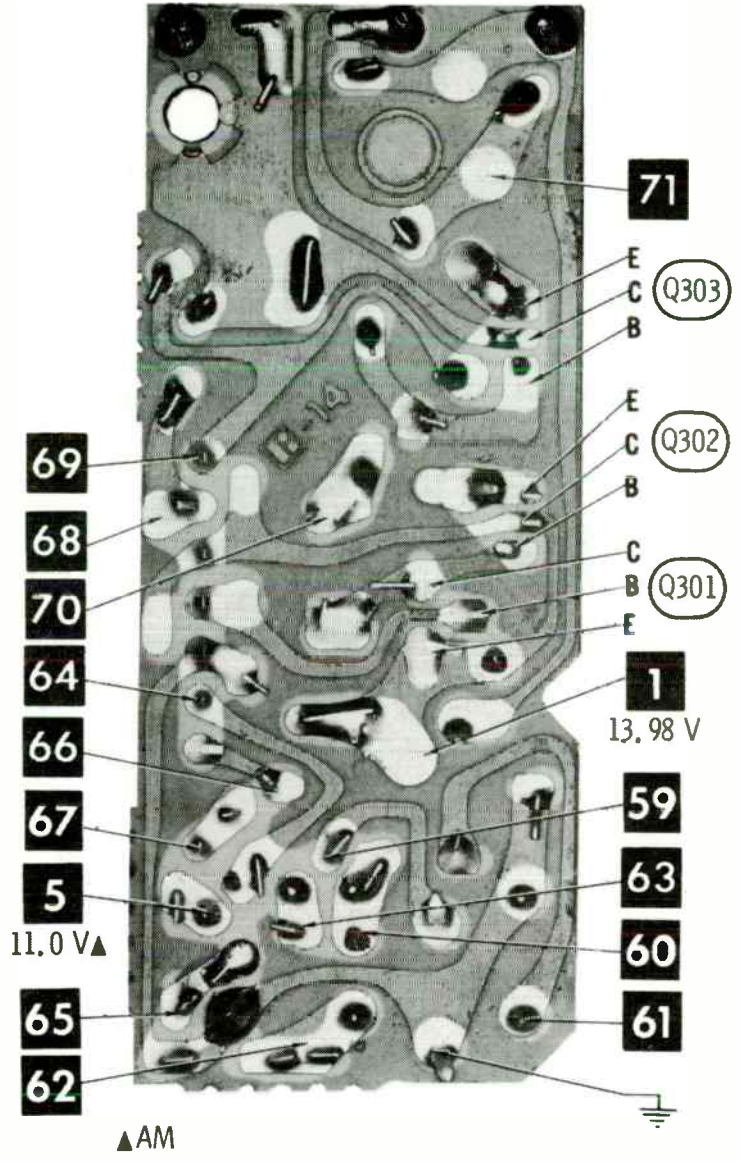
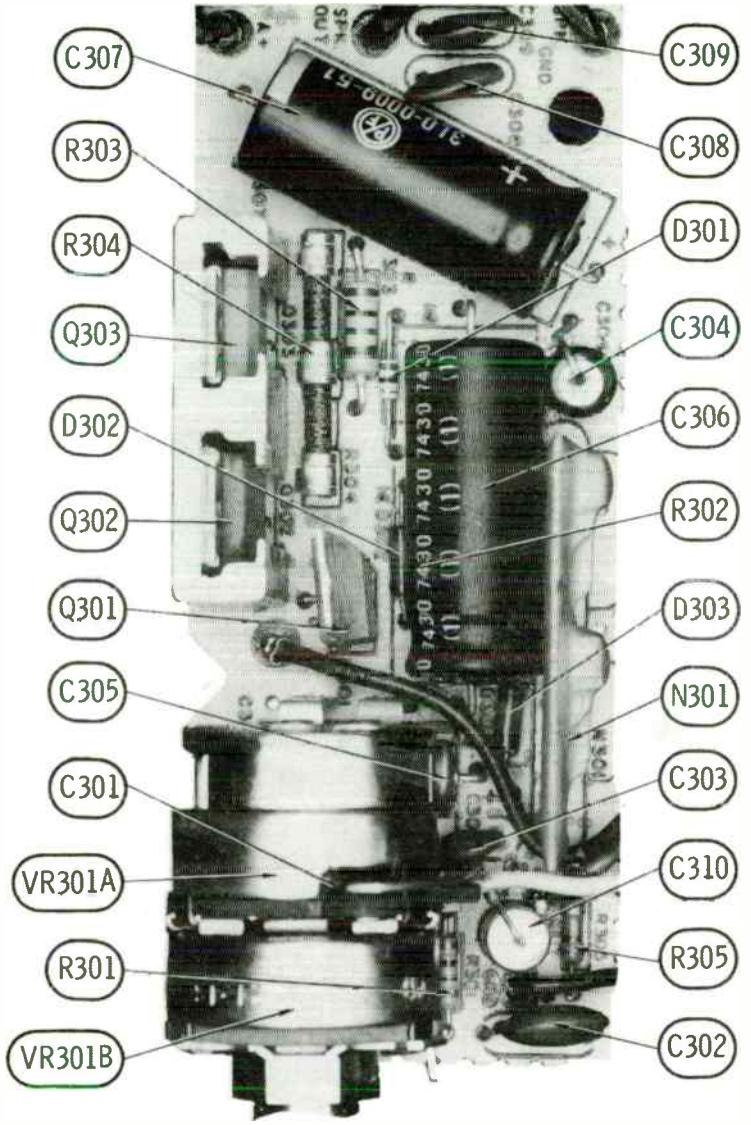
FM BOARD



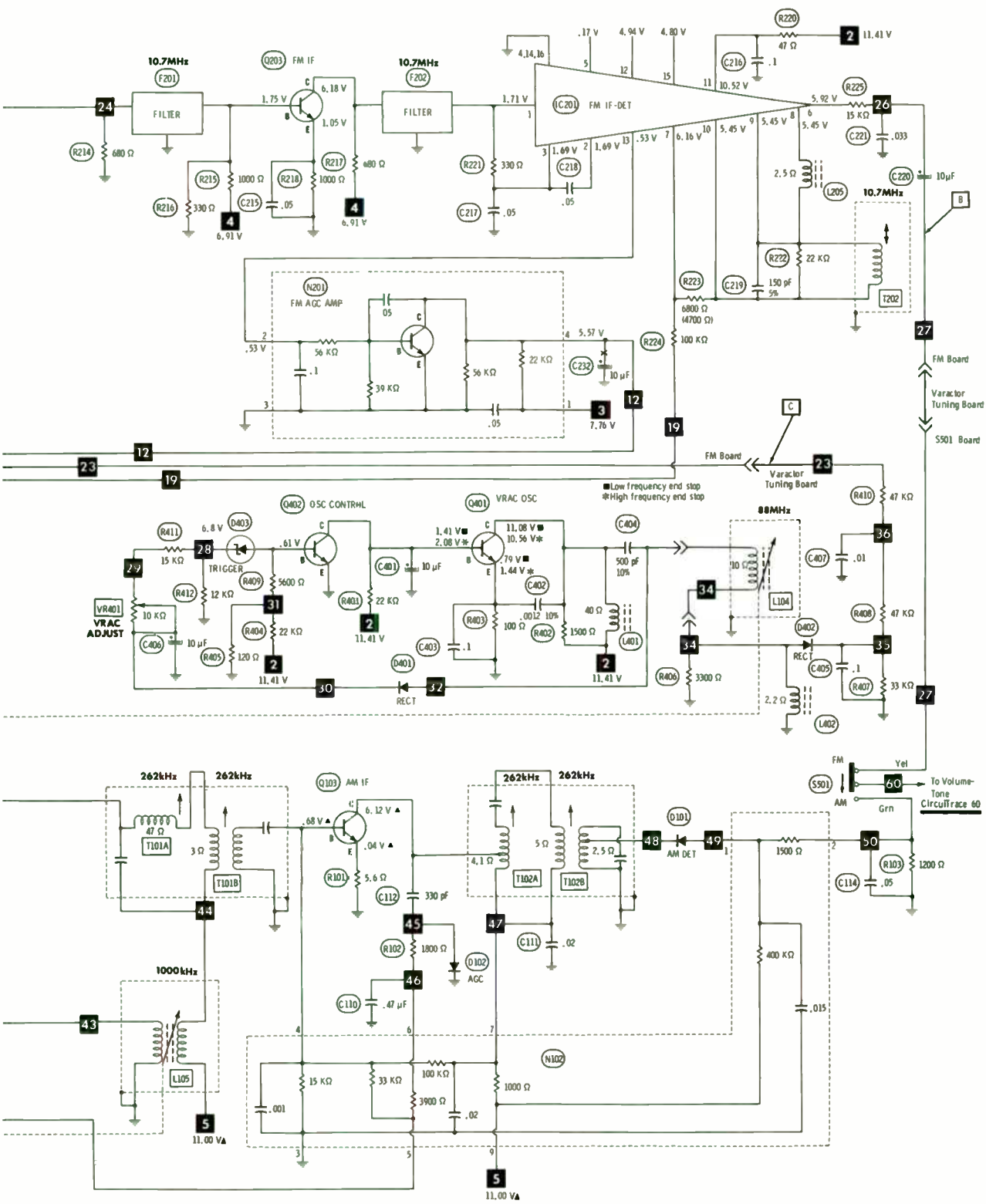
FM BOARD



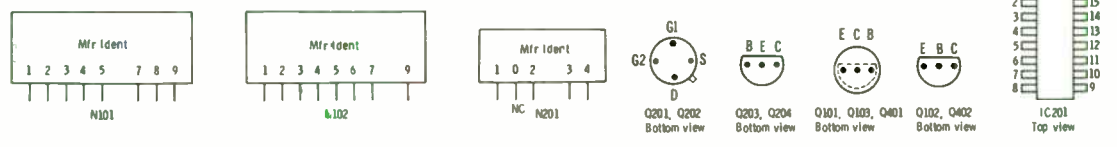
FM BOARD

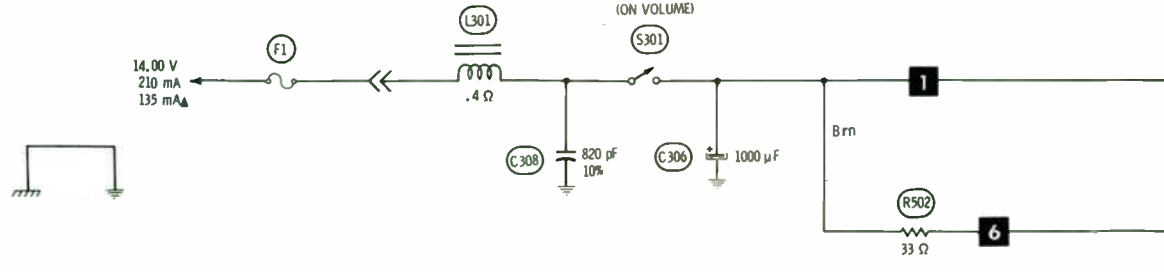
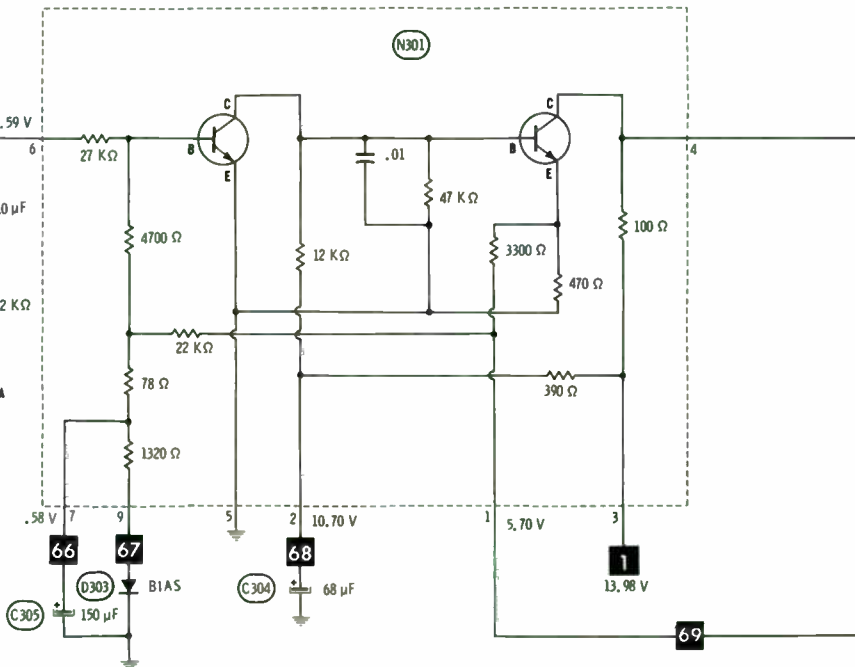
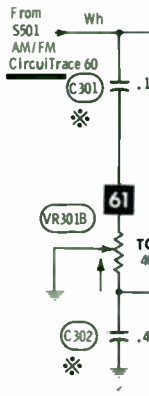


FORD/MERCURY MODELS 6A-D6DA-19A171, 6A-D6EA-19A171

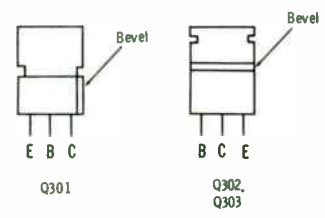
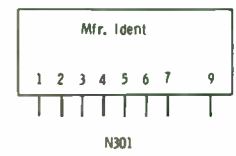


Terminal Guides





14.00 V Terminal Guides

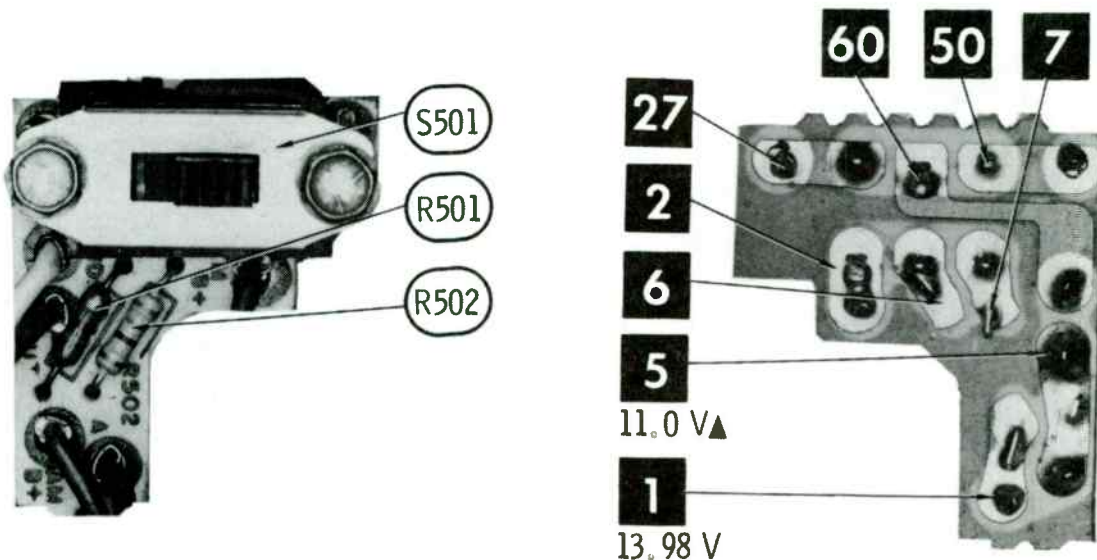


- ✱ Nominal value
- ⊥ Ground
- ⏏ Chassis
- △ Common tie point

Measurements with switching as shown unless noted:
▲ AM

Supply voltage maintained as shown at input.
Voltages measured with digital meter, no signal.
Controls adjusted for normal operation.
Arrow at control indicates direction of advance.
Terminal identification may not be found on unit.
Resistors are 1/2W or less, 10% unless noted.
Value in () used in some versions.

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WITH CIRCUITRACE™



SWITCH BOARD

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.

MODULES/PLUG-IN BOARDS

ITEM No.	PART NAME	MFR. PART No.	NOTES
N201 N301	FM AGC Amp Pre-Amp Printed Circuit Board Printed Circuit Board	3L5-0017-1 3L5-0016-2 7L6-0573-1 7L6-0573-1	FM (1) FM (2)

(1) Used in Models 6A-D6DA-19A171 and D6DA-19A171.

(2) Used in Models 6A-D6EA-19A191 and D6EA-19A191.

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D101		3L4-2003-1	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D102		3L4-2003-1	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D201		3L4-3506-3	GEZD-7.5		ZB7.58				RT-239	ECG138
D202		3L4-3503-5	GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	
		3L4-3503-6(1)	GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	
D301		3L4-3002-10	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
O302		3L4-2003-4	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D303		3L4-2003-4	1N60	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109
D401		3L4-3002-7	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D402		3L4-3002-7	GE-300	D200	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177
D403		3L4-3506-2	GEZD-6.8		ZB6.88				RT-238	ECG5071
IC201		3L4-9014-1								
Q101		3L4-6007-1	GE-20	TR-21	PTC136	HEPS0015	RE 10	SK3018	RT-102	ECG108
Q102		3L4-6007-2	GE-20	TR-51	PTC136	HEPS0015	RE 10	SK3018	RT-102	ECG108
Q103		3L4-6007-3	GE-20	TR-51	PTC136	HEPS0015	RE 10	SK3018	RT-102	ECG108
Q201		3L4-6503-1	GE-FET-4		PTC181	HEPF2004	RE 199	SK3050	RT-181	ECG222
Q202		3L4-6503-2	GE-FET-4		PTC181	HEPF2004	RE 199	SK3050	RT-181	ECG222
Q203		3L4-6007-22	GE-60	TR-71	PTC132	HEPS0020	RE 28	SK3018	RT-112	ECG161
Q204		3L4-6007-23	GE-60	TR-71	PTC132	HEPS0020	RE 9	SK3018	RT-112	ECG107
Q301		3L4-6011-1	GE-84			HEPS3028		SK3054	RT-152	ECG196
Q302	(5)									
Q303	(5)	7L6-0531-1(10)			PTC1101					
Q401		3L4-6007-14	GE-62	TR-71	PTC132	HEPS0020	RE 28	SK3018	RT-112	ECG161
Q402		3L4-6007-4	GE-63	TR-25	PTC127	HEPS5014	RE 17	SK3024	RT-114	ECG128
TD201		3L4-3504-2	(BLUE) (11)							
			3L4-3504-4(1)							
			(RED) (11)							
TD202		3L4-3504-2	(BLUE) (11)							
			3L4-3504-1(1)							
			(GREEN) (11)							
TD203		3L4-3504-3	(WHITE)							

(1) Used in some versions.

(10) Part number includes Q302, Q303, and heat sink.

(5) Half of complementary pair.

(11) Replace varactor with same color code as in set.

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.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFGR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C102	68 16V	3L0-0009-26	NLW75-16	TT6X75A	TVA-1100.5
C115	150 16V	3L0-0009-45	WBR150-35	TT15X150A	TVA-1160.3
C214	10 16V	3L0-0024-1	PC10-25	VTT10A25	EV-1222
C220	10 20V	3L0-0011-4		TDC106M025FL	SD20-109
C229	.47 10V	3L0-0011-7		TDC474M050EL	SD50-R479
C232	10 16V	3L0-0024-1	PC10-25	VTT10A25	EV-1222
C304	68 16V	3L0-0009-26	NLW75-16	TT6-75A	TVA-1100.5
C305	150 6V	3L0-0009-50	WBR150-35	TT6X150A	TVA-1101.5
C306	1000 16V	3L0-0009-44	WBR1000-16	TC1501C	TVA-1163
C307	1300 16V	3L0-0009-51	WBR2000-16	TT15X1500A	TVA-1164
C310	10 16V	3L0-0024-1	PC10-25	VTT10A25	EV-1222
C401	10 20V	3L0-0011-04		TDC106M025FL	SD20-109
C406	10 25V	3L0-0011-24		TDC106M025FL	SD25-109
C408	68 16V	3L0-0009-26	NLW75-16	TT6X75A	TVA-1100.5

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C101	80	3L1-0006-3	DTZ-100	NP0100	CN0310	10TCC-T10
C103	100 10%		DD-181		GP318	10TS-T18
C104	180	3L1-0005-1		N150		
C105	120		DTN-150		CN7315	10TCU-T15
C106	150 N750					10TS-S10
C107	.01 10%		DTN-180			10TCU-T18
C108	180 N750	3L1-0005-3				
C109	300		UK-474		MAG3047	HY-380
C110	.47 3V		UK16-223	MGP02	MAG1612	TG-S20
C111	.02 16V		DD-331	GP330	GP333	10TS-T33
C112	330 10% 500V		UK16-503	MGP05	MAG1615	TG-S50
C113	.05 16V		UK12-503	MGP05	MAG1215	TG-S50
C114	.05 10V		DTZ-4R7	NP04P7	CN0547	10TCC-V47
C201	4.7 NPO ±.5		DTZ-22	NP022	CN0422	10TCC-Q22
C202	22 10% 500V	3L1-0004-1	DD-102G	GP1000	GP210	5GA-D10
C203	2-10		DTZ-3R3	NP03P3	CN0533	10TCC-V33
C204	.001		DD-221		GP322	10TS-T22
C205	3.3 ±.5	3L1-0004-1	DTZ-2R2	NP02P2		
C207	220 10%		DD-221		CN0522	10TCC-V22
C208	2-10		DD-221		GP322	10TS-T22
C209	2.2 NPO ±.5 500V		UK16-503	MGP05	MAG1615	TG-S50
C210	220 10% 500V		DD-102G	GP1000	GP210	5GA-D10
C211	.05 16V		UK10-503	MGP05	MAG1215	TG-S50
C212	.001		UK16-104	MGP01	MAG1601	TG-P10
C213	.05 10V		UK10-503	MGP05	MAG1215	TG-S50
C215	.05 10V		UK10-503	MGP05	MAG1215	TG-S50
C216	.1 16V		UK10-503	MGP05	MAG1215	TG-S50
C217	.05 10V		UK10-503	MGP05	MAG1215	TG-S50
C218	.05 10V		UK10-503	MGP05	MAG1215	TG-S50
C219	150 5% 100V		DTZ-150		CN0315	10TCC-T15
C221	.033 12V		UK16-333	MGP03	MAG16133	TG-S30
C222	220 10%		DD-221		GP322	10TS-T22
C223	4.7 N330 ±.5 150V		DD-221		*	10TCS-V47
C224	220 10%		UK25-103	MGP01	GP322	10TS-T22
C225	.01 25V				MAG2511	TG-S10
C226	2-10	3L0-0004-1	DTZ-47	NP047	CN0447	10TCC-Q47
C227	47 NPO 10% 500V		DD-102G	GP1000	*	10TCS-V56
C228	5.6 N330 ±.5 150V				GP210	5GA-D10
C230	.001				*	10TCS-V33
C231	3.3 N330 ±.5 150V		UK-104	MGP1	MAG301	TG-P10
C301	.1 3V		UK-474		MAG3047	HY-380
C302	.47 3V		UK-224		MAG3022	HY-370
C303	.18 3V		DD-821	GP820	GP382	10TS-T82
C308	820 10% 500V		DD-821	GP820	GP382	10TS-T82
C309	820 10% 500V		DD-122		GP212	10TS-D12
C402	.0012 10% 500V				*	
C403	.1 10%		UK10-104	MGP1	MAG301	TG-P10
C404	500 N4700 10% 150V		UK16-103	MGP01	MAG1611	TG-S10
C405	.1 10V					
C407	.01 16V					

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

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
VR301a	Volume/Power Switch	10K Tap @ 4500	3L3-0021-16				
b	Tone	40K	(19)				
	Volume/Power Switch	10K	3L3-0021-15				
	Tone	40K	3L3-0018-10				
VR401	VRAC	10K					

(19) Used in Models 6A-D6EA-19A171 & D6EA-19A171.

FORD/MERCURY MODELS 6A-D6DA-19A171, 6A-D6EA-19A1

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.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L101	AM Ant Choke	3L2-0034-2			(1) Part of M1 (Tuner)
L102	AM Antenna	3L2-0007-16 (1)			
L103	AM RF	3L2-0007-10 (1)			
L104	FM Varactor Tuning	3L2-0027-1 (1)			
L105	AM Oscillator	3L2-0002-8 (1)			
L201	FM Antenna	3L2-0037-1			
L202	FM Image Trap	3L2-0037-2			
L203	RF Choke (1uH)	3L2-0023-11			
L204	FM RF	3L2-0037-3			
L205	RF Choke (38uH)	3L2-0023-10			
L206	RF Choke (1uH)	3L2-0023-11			
L207	FM Oscillator	3L2-0037-4			
L208	10.7MHz Trap (1uH)	3L2-0023-11			
L402	Varactor Osc (33uH)	3L2-0023-4			
T101	IF (262kHz)	3L2-0019-1	3L2-0019-01		
T102	IF (262kHz)	3L2-0019-2	3L2-0019-02		
T201	IF (10.7MHz)	3L2-0022-1	3L2-0022-01		
T202	Quadrature	3L2-0030-2			

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L301	210mA	.4	.2mH	4L1-0115-1 (1)			(1) Includes power lead assembly.

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	SFE 20A		In Fuse Block	SFE20		307020			

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
F201	Filter	3L5-5003-1	Ceramic, 10.7MHz (Blk. dot) (1)
F202	Filter	3L5-5002-1	Ceramic, 10.7MHz (Blue dot) (1), SFW-10.7MA (2)
	Filter	3L5-5003-1	Ceramic (Used in some versions)
M1	Tuner Assembly	7L6-0394-4	AM/FM
N101	Network	3L5-1002-4	AM RF-Conv.
N102	Network	3L5-1002-6	AM IF
S301	Switch		Power (On Volume)
S501	Switch	4L2-0020-2	AM/FM
		4L2-0020-1	AM/FM, Used in some versions
	Printed Circuit Board	7L6-0570-1	AM, Audio (3)
	Printed Circuit Board	7L6-0571-1	AM, Audio (4)

(1) Replace with same part number, same color dot.

(2) Number on unit.

(3) Used in 6A-D6DA-19A171, D6DA-19A171.

(4) Used in 6A-D6EA-19A171, D6EA-19A171.

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

ITEM	PART No.	ITEM	PART No.
Escutcheon (Bezel) (1)	2L7-0394-1	Dial Pointer Arm	2L8-0215-1
Escutcheon (Bezel) (2)	2L7-0394-2	Push-button, Tuning (5 used)	2L7-0145.2
Slide Bar (AM/FM)	2L8-0648-1	Knob, Volume/Tuning	(3)
Dial Pointer	2L8-0077-13	Knob, Tone/Dummy	(3)

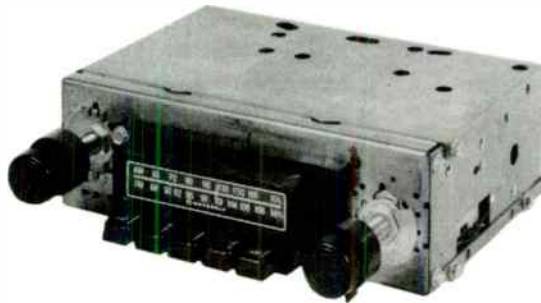
(1) Used in Models 6A-D6DA-19A171, D6DA-19A171.

(2) Used in Models 6A-D6EA-19A171, D6EA-19A171.

(3) Obtain from Auto Dealer.

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.)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets



MODEL 5FM485AX

MOTOROLA MODEL 5FM485AX

ALIGNMENT INSTRUCTIONS

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

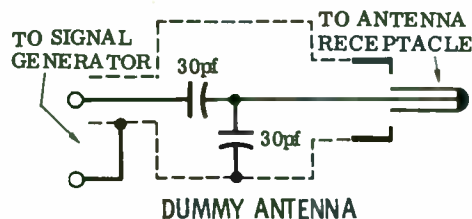
GC ELECTRONICS
ALL 8290, 8868, 9087

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 .1uF to point A, low side to ground.	262kHz 400-Hz mod.	High freq. end stop.	Output meter across voice coil.	T4, T3	Adjust for maximum.
Thru dummy antenna to antenna input.	1615kHz	"	"	C68,C63 C59	"
Tuner alignment is not necessary unless associated components have been disturbed. If necessary, back tuning cores L7,L8,L9 out of coils but not out of forms. Repeat step 2.					
Thru dummy antenna to antenna input.	1000kHz	Tune to signal	Output meter across voice coil.	L9,L8, L7	Adjust for maximum. Repeat alignment until no further improvement is noted.

With radio installed in car and antenna extended 36" tune in a weak station near 1400kHz and adjust C59 for maximum output. Antenna adjustment C59 is located on rear lower right corner.



ALIGNMENT INSTRUCTIONS (Continued)

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

High side of generator thru .001uF 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.	(1)T2, T1	Adjust for maximum.

(1) Before adjusting, vary generator frequency slightly. Maximum output indicates exact IF.

FM RF ALIGNMENT—SELECTOR IN FM POSITION

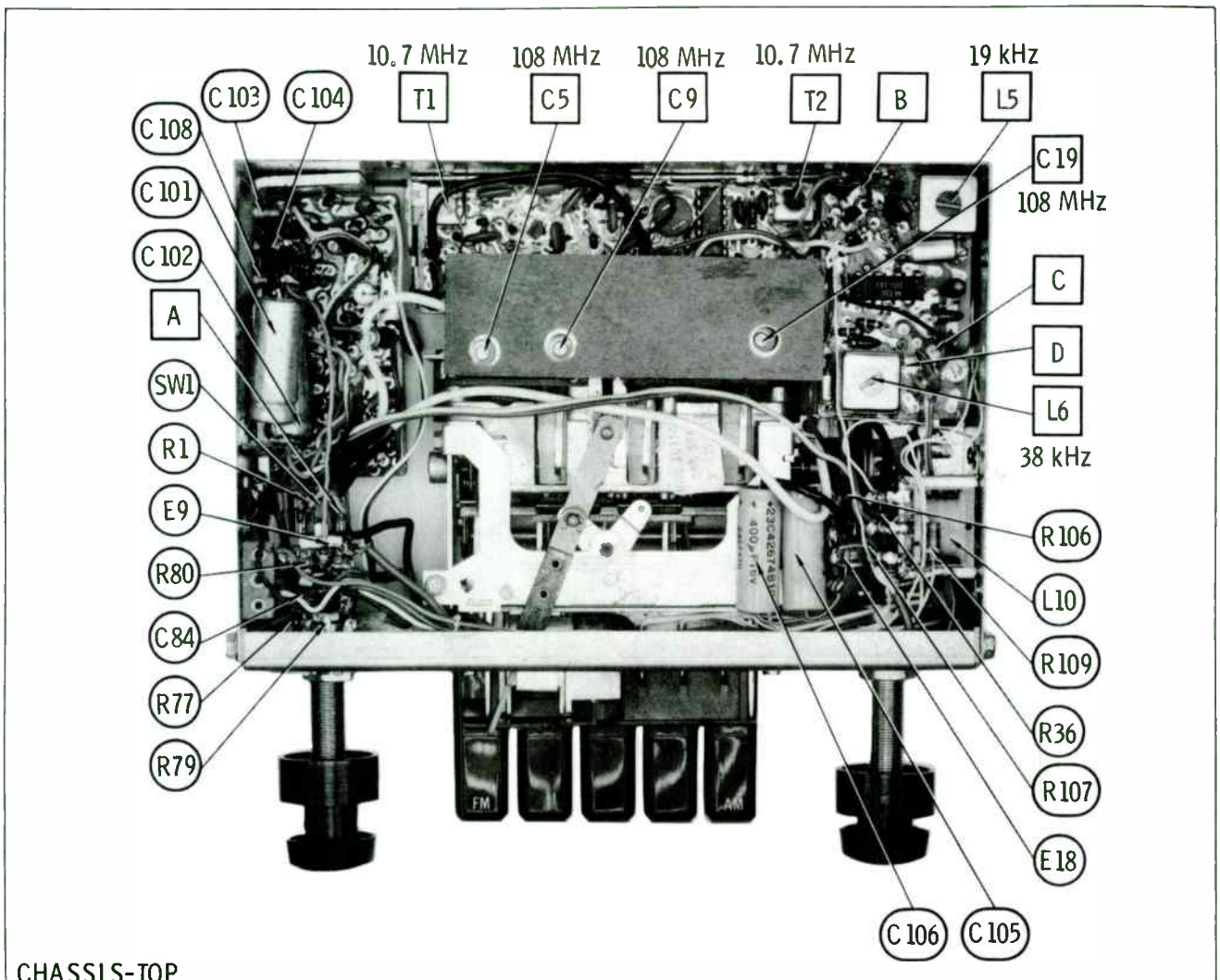
Connect generator across antenna terminals with 120-ohm carbon resistor in series with each lead. Adjustment of coils by bending should not be attempted unless the coil is deformed or replaced.

GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
88MHz Unmodulated		DC probe of VTVM to point B, common to ground.	L4, L3, L2	Adjust for maximum.
108MHz Unmodulated		"	C19, C9, C5	Adjust for maximum. Repeat FM RF steps until no further improvement is noted.

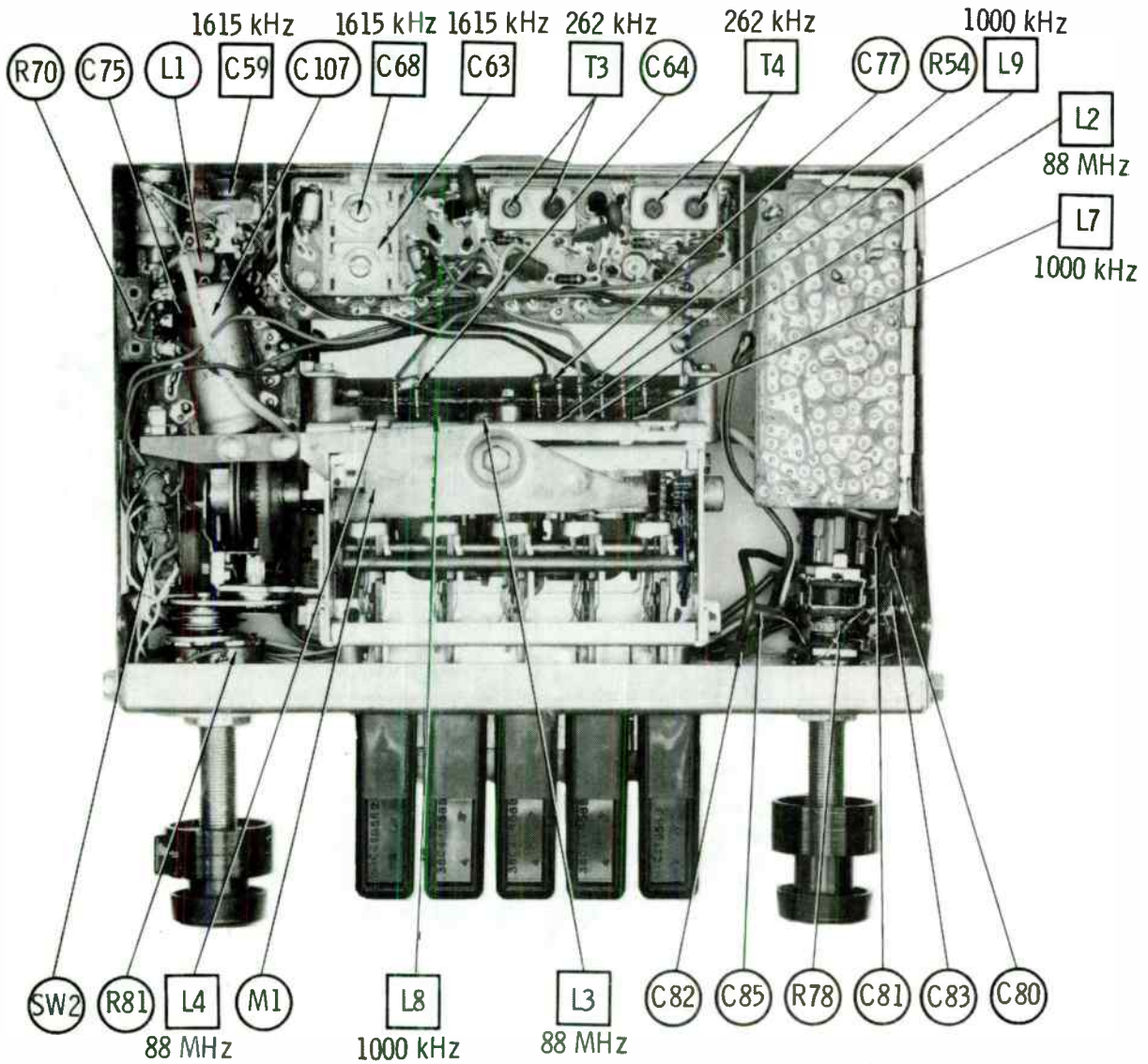
FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (± .0001% ACCURACY)

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

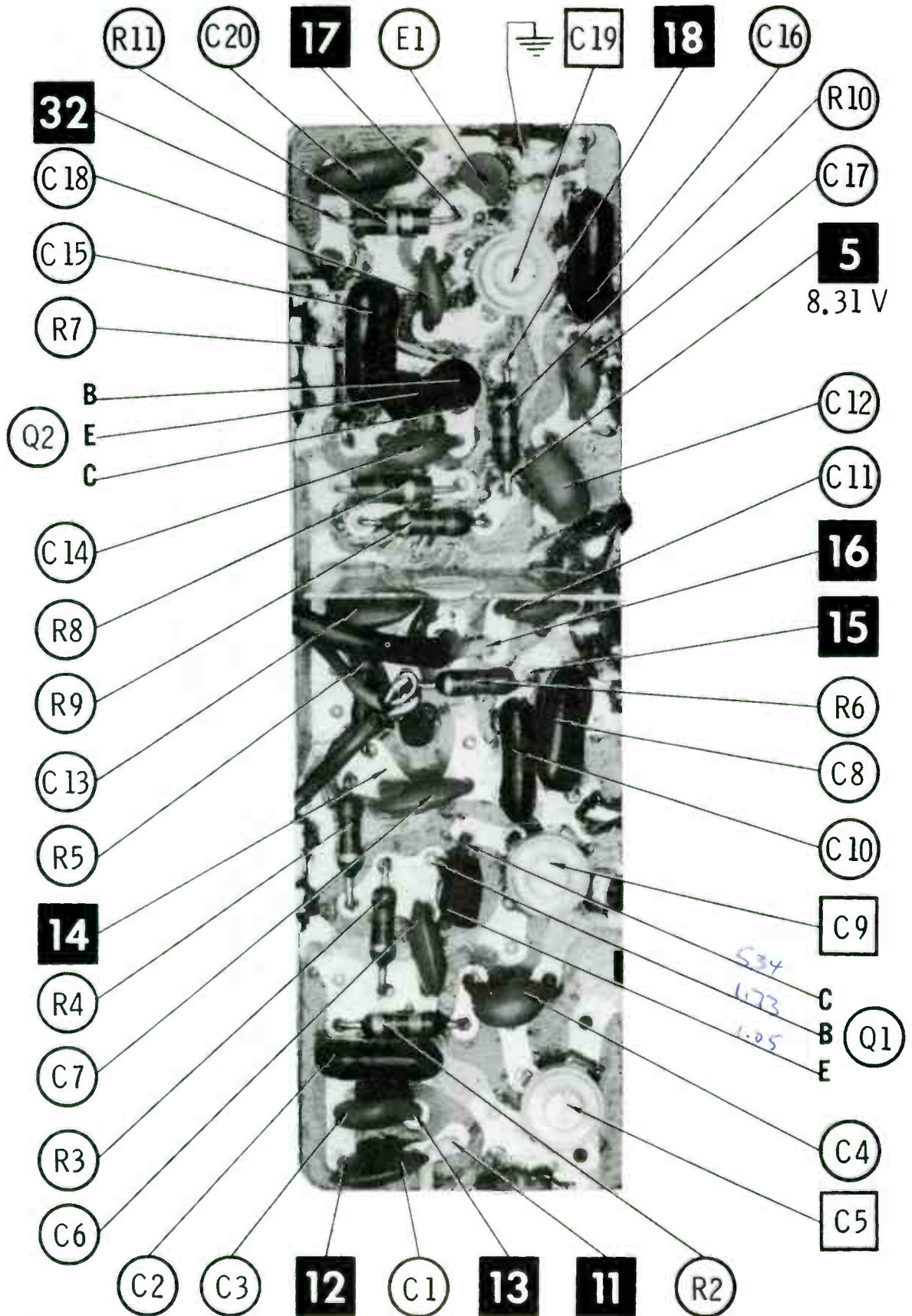
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
Modulated Left Channel	Vert input of scope to point C, low side to ground.	L5, L6, R41	Adjust for MINIMUM. This step should require only slight adjustment.
Modulated Right Channel	Vert input of scope to point D, low side to ground.		Check for MINIMUM. If necessary, make compromise adjustment of L5, L6, R41.



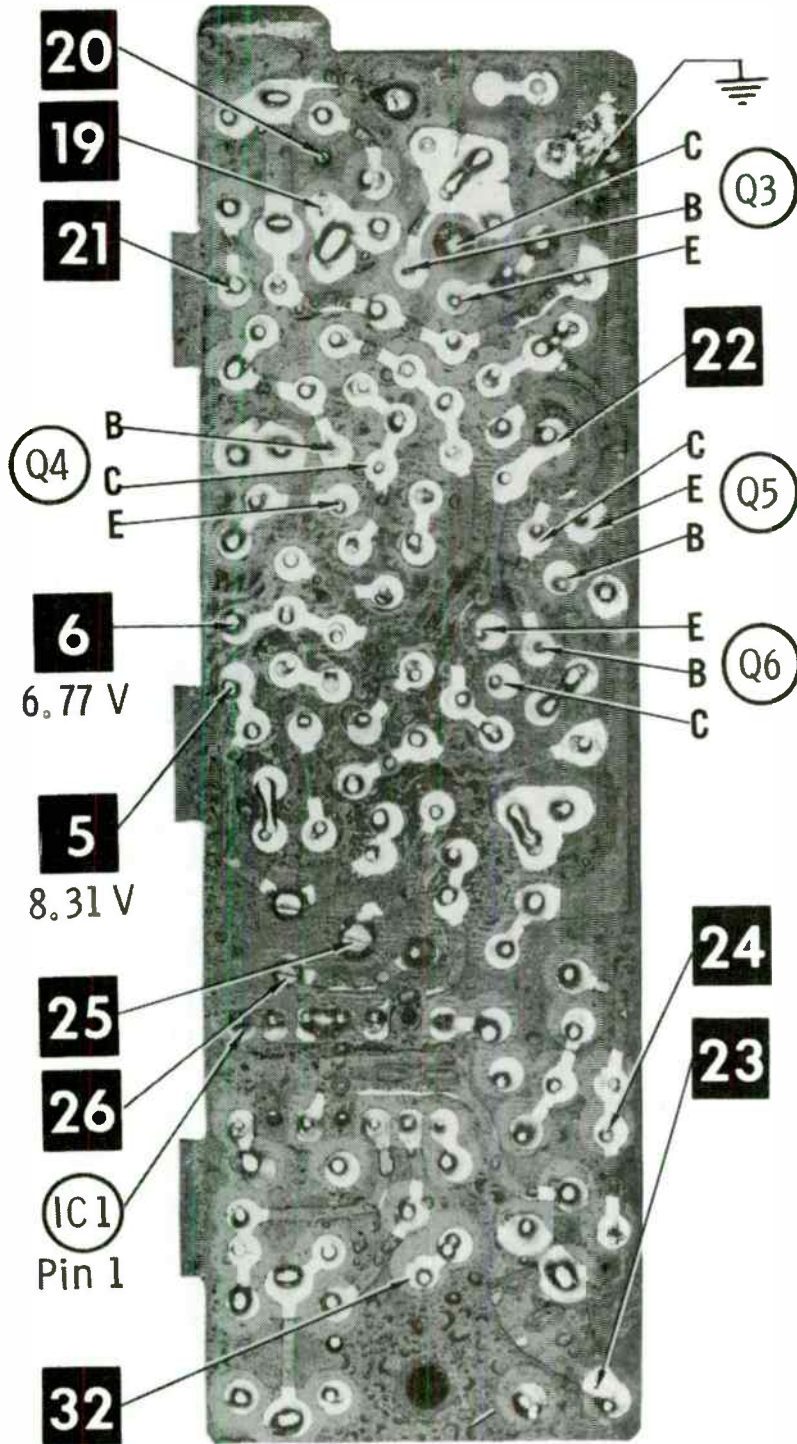
CHASSIS-TOP



CHASSIS-BOTTOM

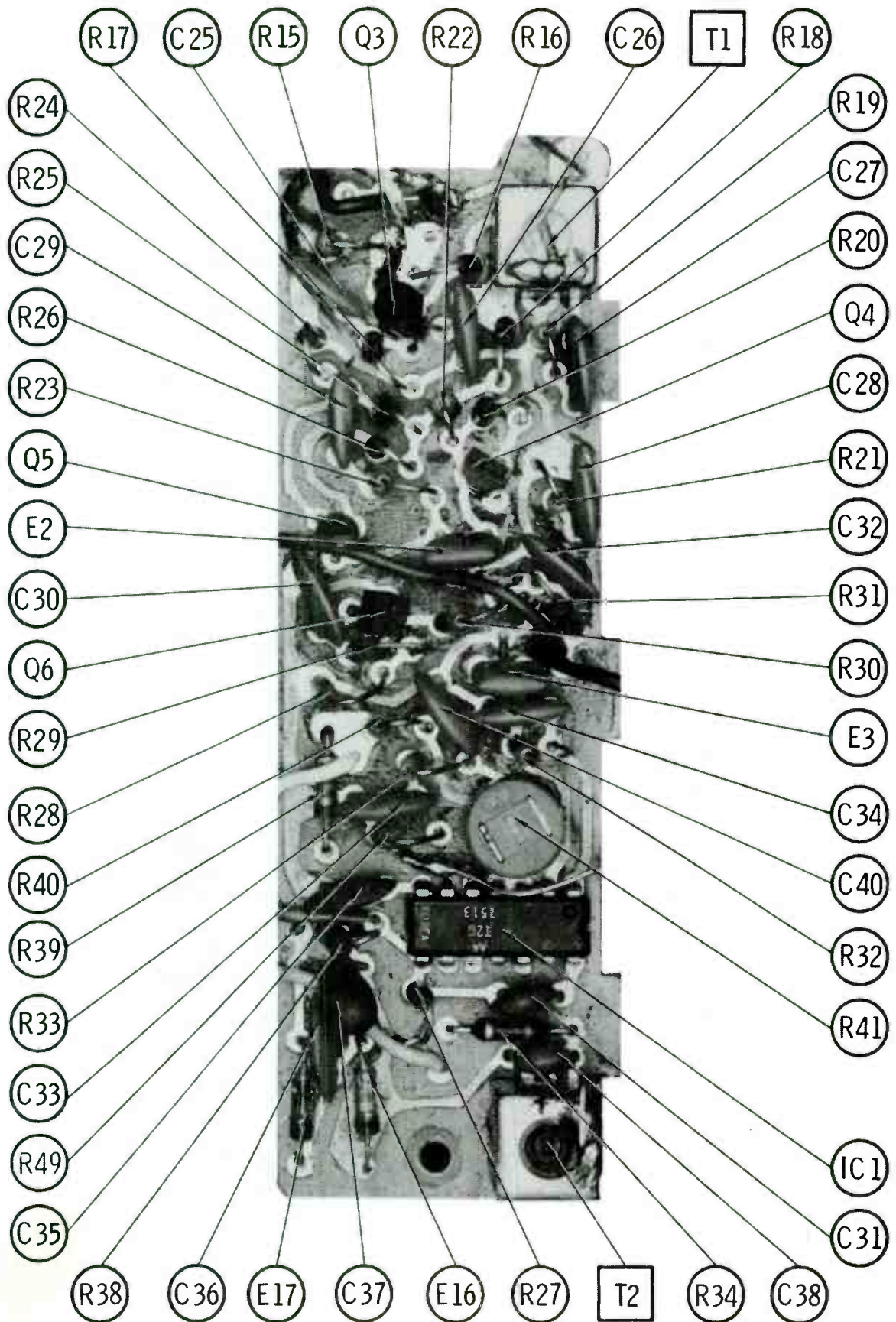


FM RF BOARD



MOTOROLA MODEL 5FM485AX

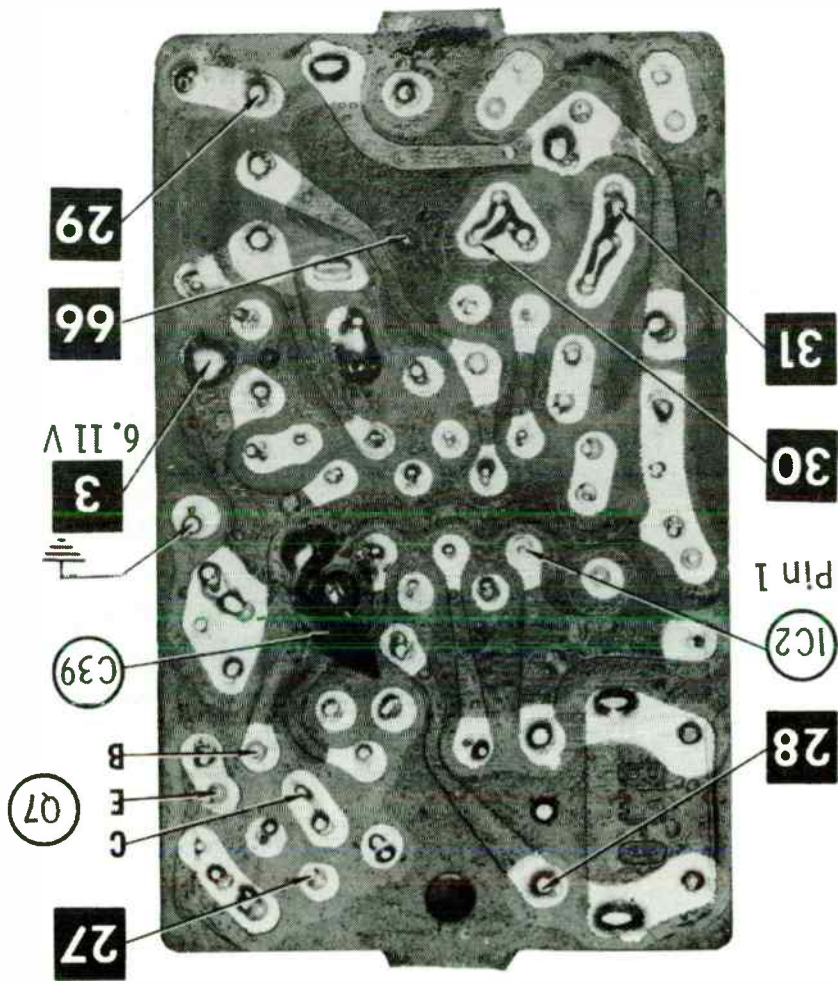
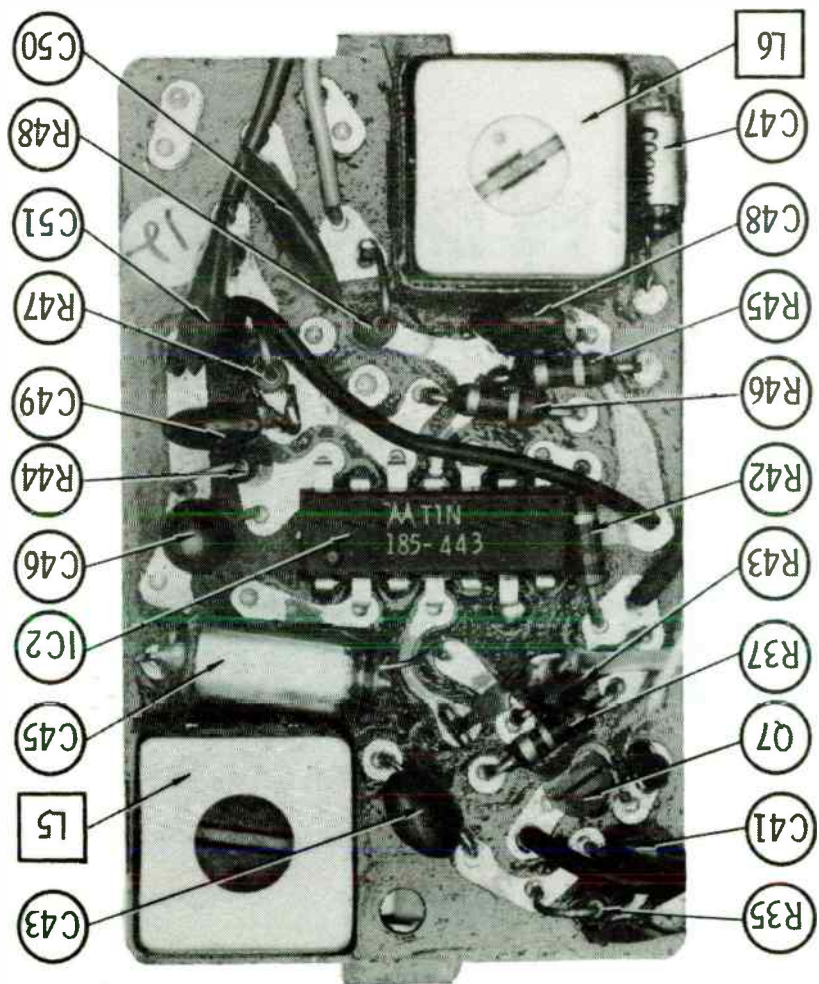
FM IF BOARD



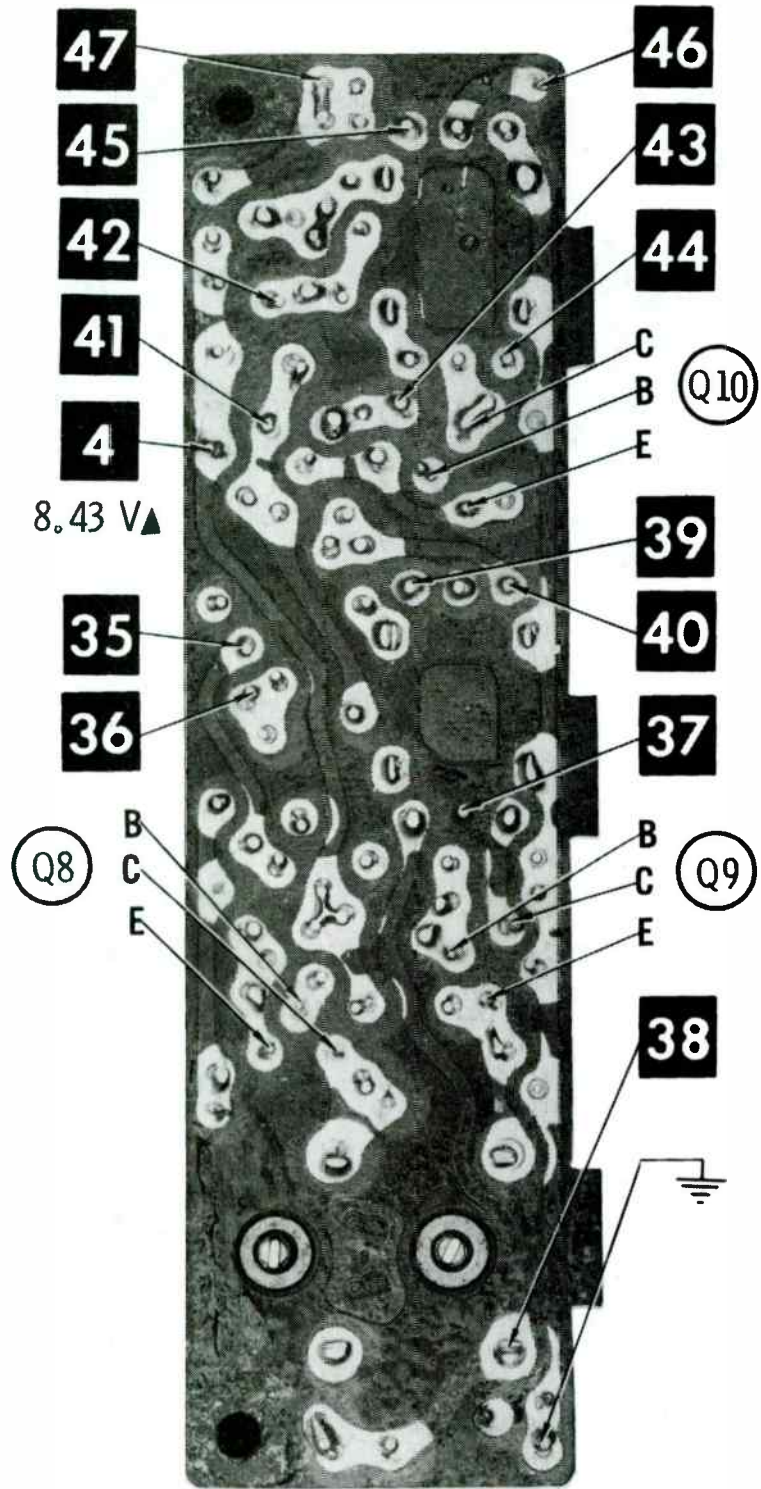
FM IF BOARD

MOTOROLA MODEL 5FM485AX

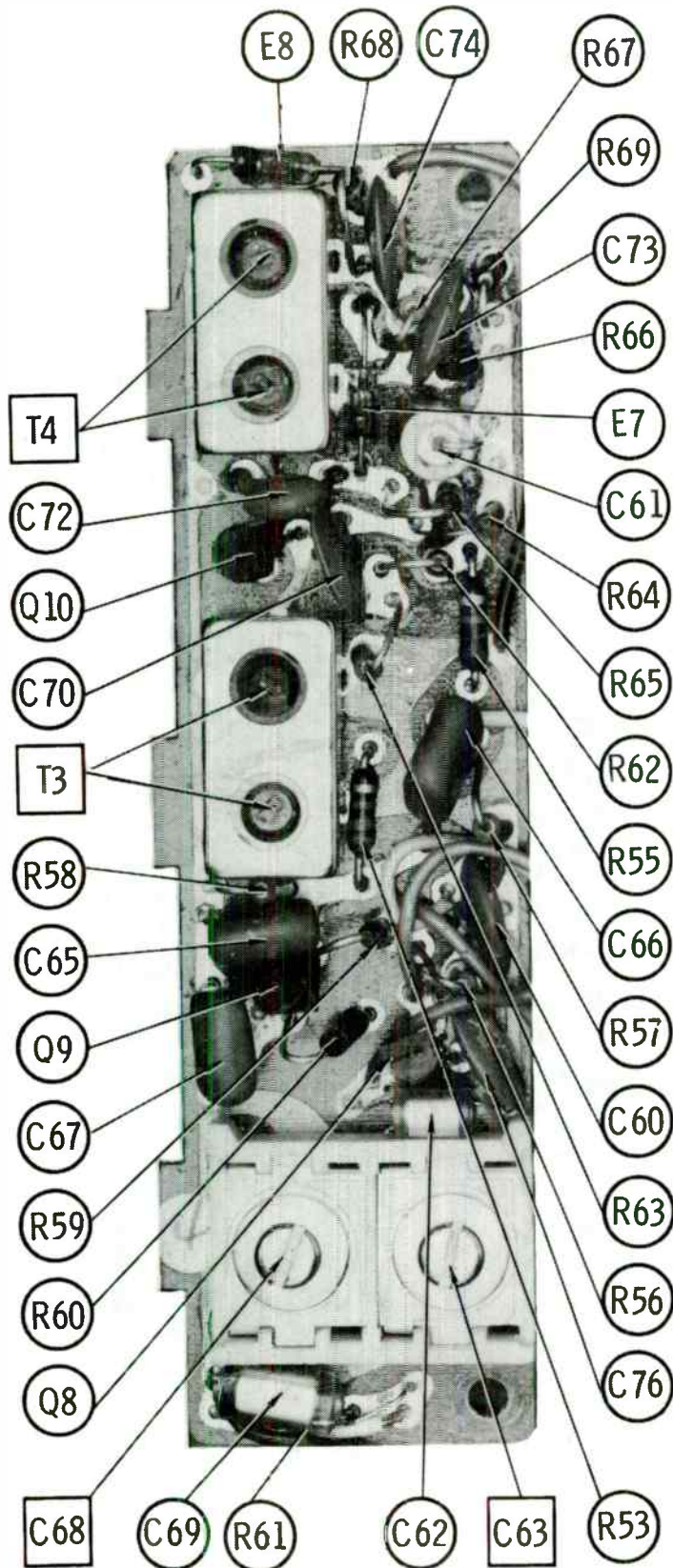
A Howard W. Sams **CIRCUITRACE** Photo



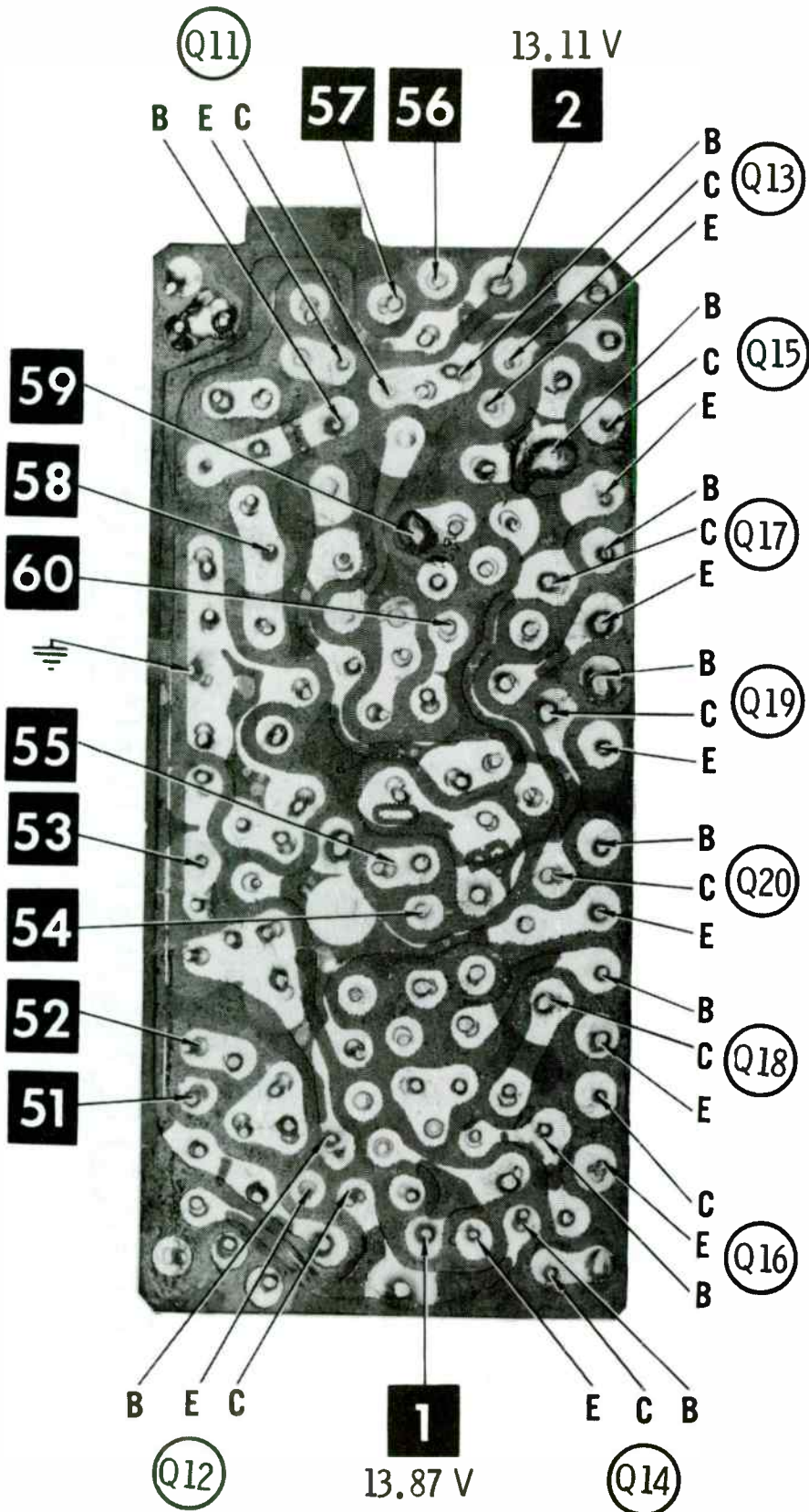
MPX BOARD



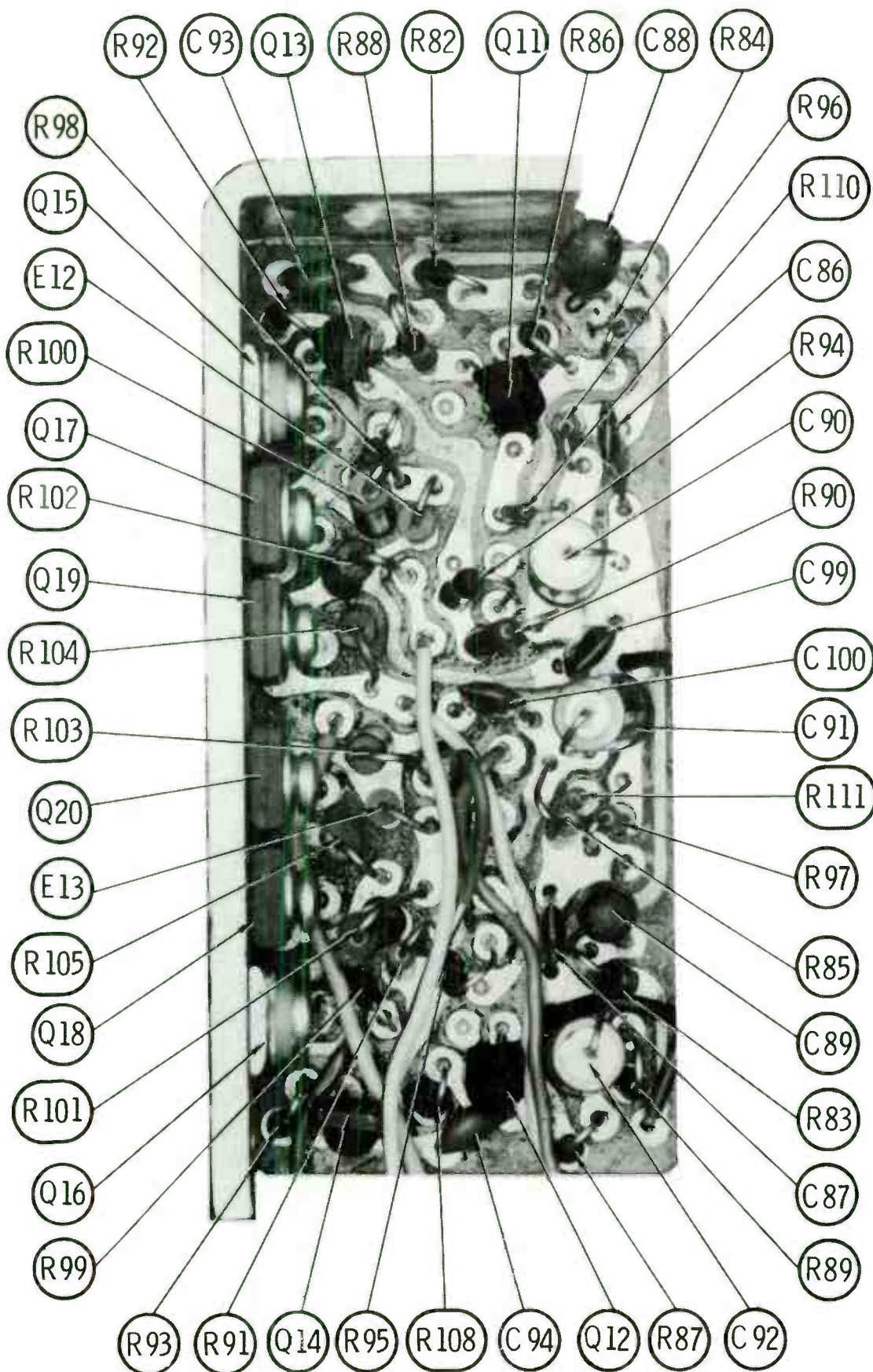
AM BOARD



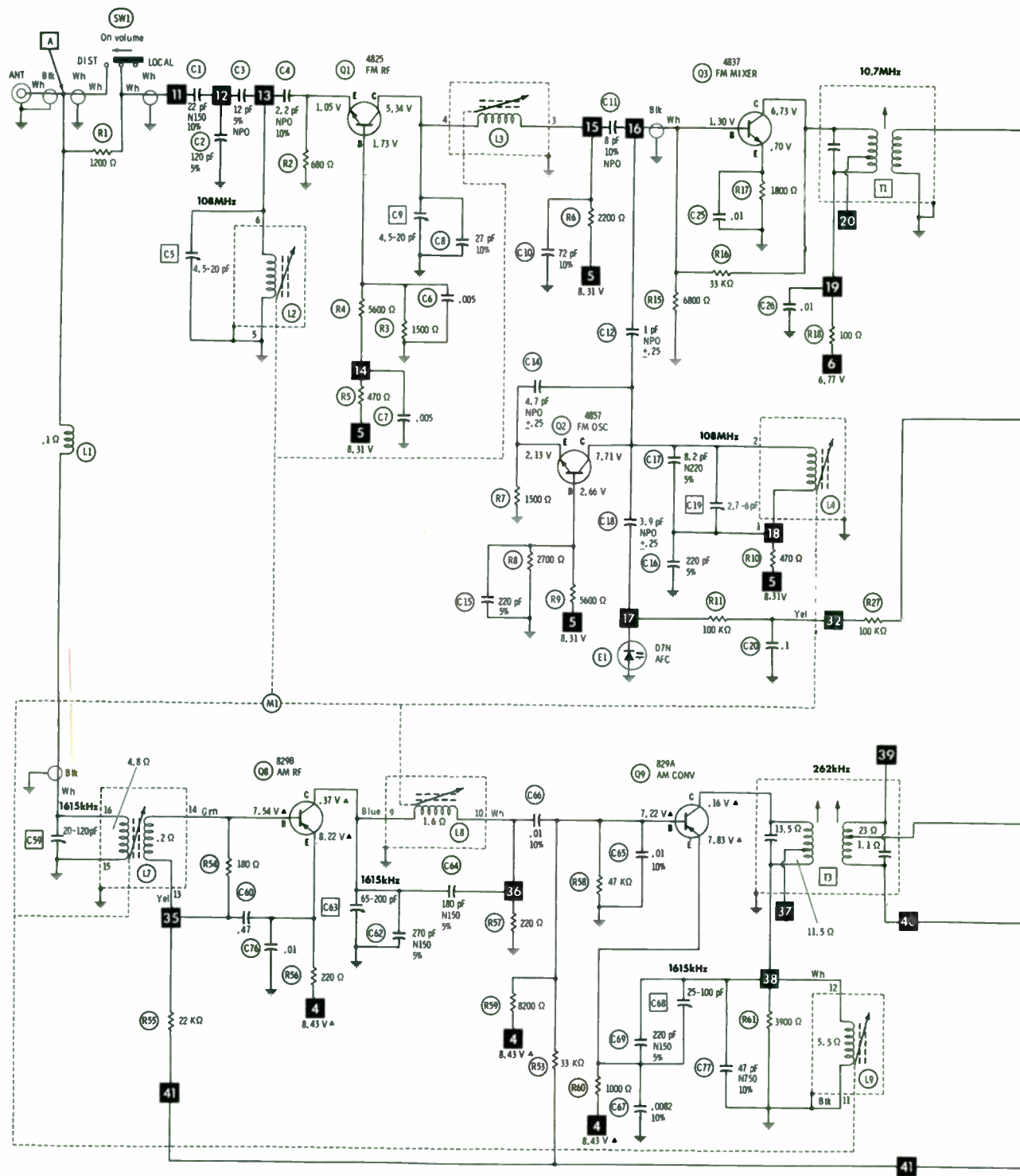
AM BOARD



AUDIO BOARD



AUDIO BOARD



Supply voltage maintained as shown of input. Voltages measured with digital meter, no signal. Controls adjusted for normal operation. Arrow of control indicates direction of advance. Terminal identification may not be found on unit. Resistors are 1/2W or less, 10% unless noted. Value in () used in some versions.

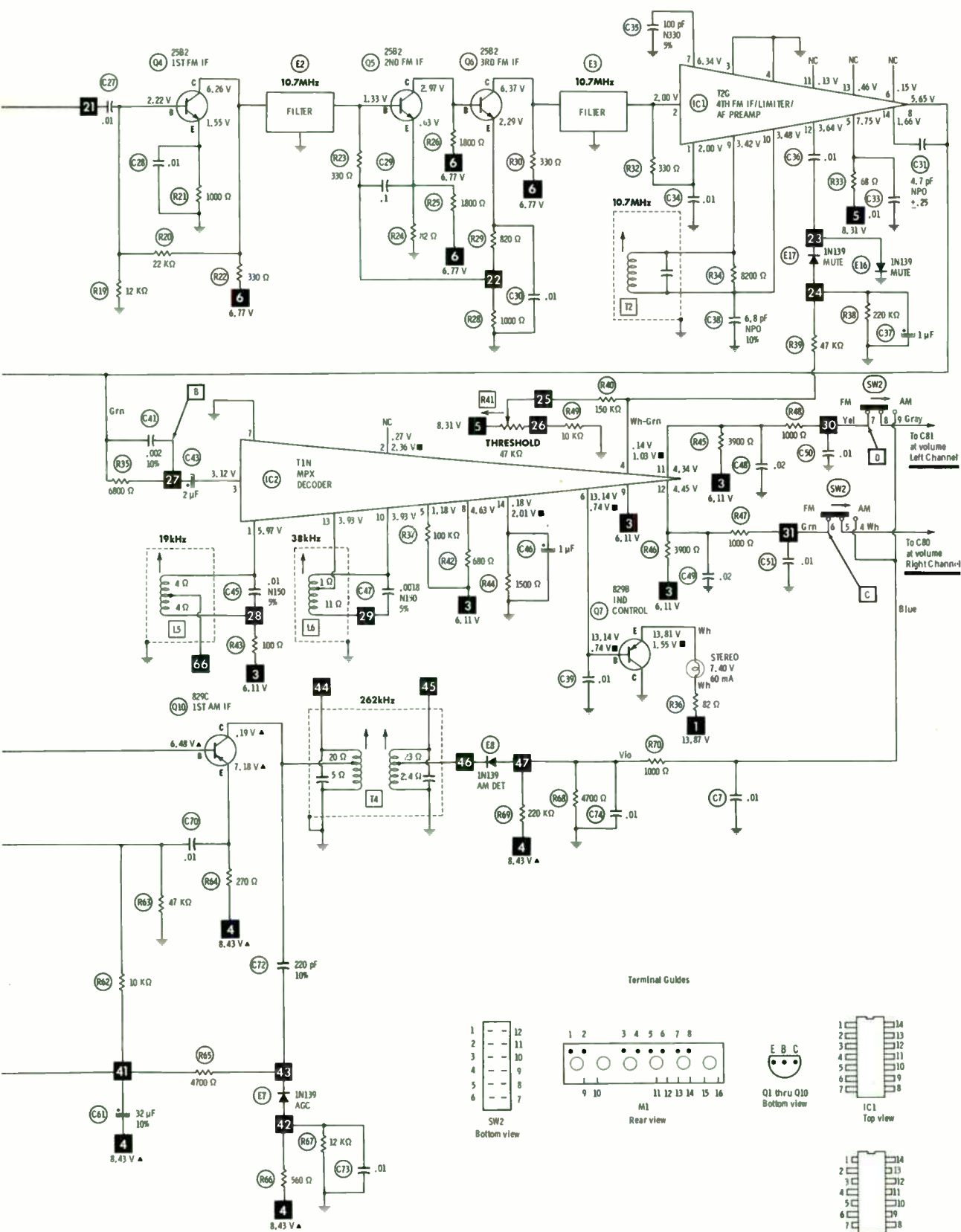
- /— Circuitry not used in some versions
- - - Circuitry used in some versions
- ⊙ See ports list
- ⊛ Nominal value
- ⊕ Ground
- ⊞ Chassis
- ∇ Common tie point

Measurements with switching as shown unless noted:

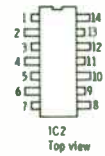
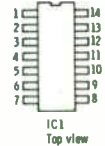
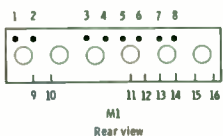
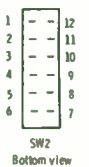
- FM Stereo signal
- ▲ AM

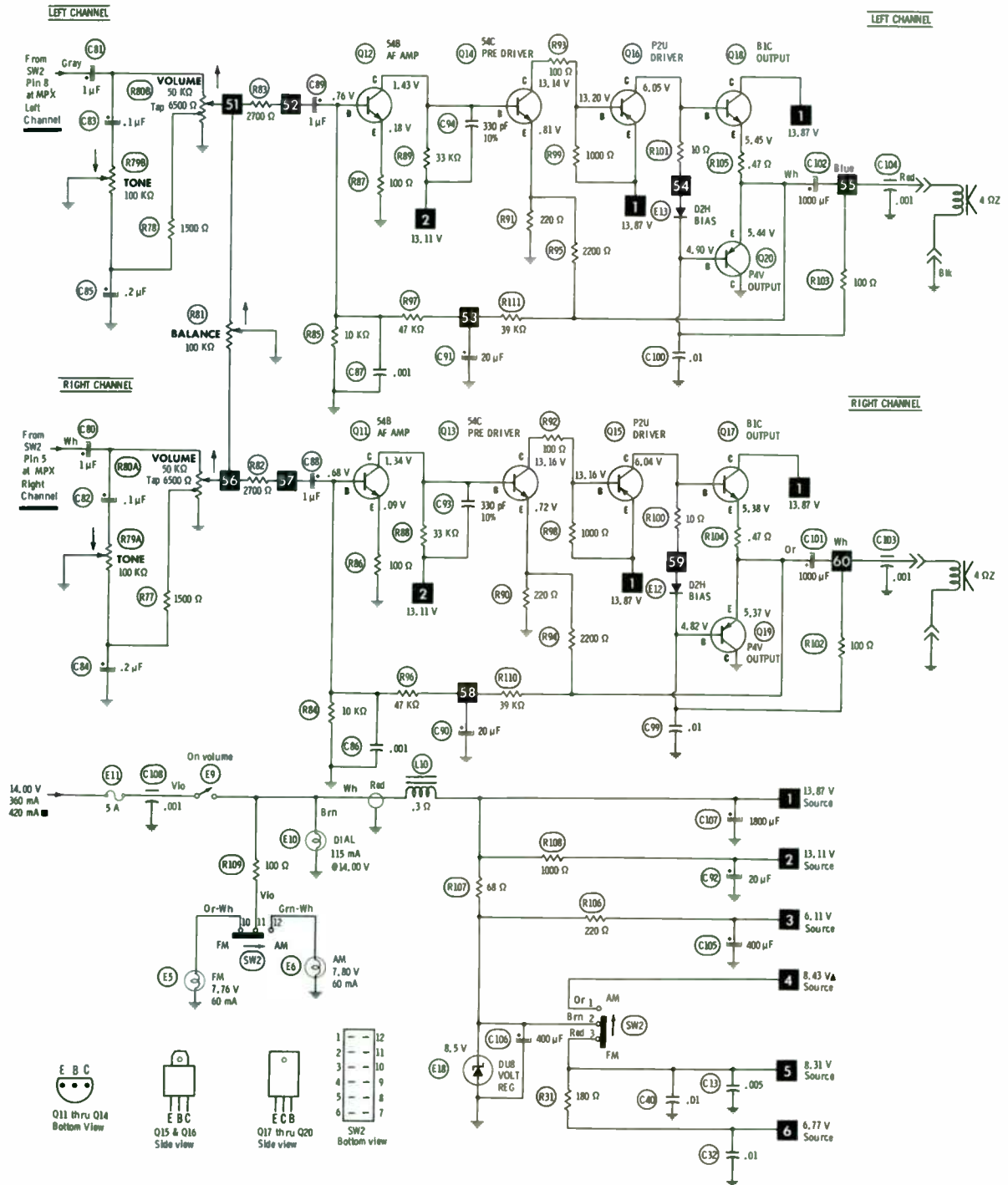
A PHOTOFAC STANDARD NOTATION SCHEMATIC WITH **CIRCUITRACE™**

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Terminal Guides





- *— Circuitry not used in some versions
- - - Circuitry used in some versions
- See parts list
- ⊛ Nominal value
- ⊕ Ground
- ⌚ Chassis
- ▽ Common tie point

Measurements with switching as shown unless noted:

- FM Stereo signal
- ▲ AM

Supply voltage maintained as shown at input.
 Voltages measured with digital meter, no signal.
 Controls adjusted for normal operation.
 Arrow at control indicates direction of advance.
 Terminal identification may not be found on unit.
 Resistors are 1/2W or less, 10% unless noted.
 Value in () used in some versions.

A PHOTOFACIT STANDARD NOTATION SCHEMATIC
 WITH **CIRCUITRACE**

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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.

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
E1	D7H	48-137487	GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	
E7	1H139	48-137495	1H34AS	1H34A	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109
E8	1H139	48-137495	1H34AS	1H34A	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109
E12	D2H	48-137029	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
E13	D2H	48-137029	GE-504A	5A4D	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116
E16	1H139	48-137495	1H34AS	1H34A	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109
E17	1H139	48-137495	1H34AS	1H34A	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109
E18	DBU	48-137577								
IC1	T2G	51-10619A01			PTC723					ECG723
IC2	T1H	51-10437A01	GEIC-8	IC511	PTC709	HEPC6094P	RE 319-IC	SK3159	TVCM-6	ECG718
Q1	4825	48-134825	GE-17	TR-21	PTC136	HEPS0033	RE 9	SK3018	RT-108A	ECG107
Q2	4857	48-134857	GE-17	TR-95	PTC136	HEPS0020	RE 10	SK3018	RT-113	ECG108
Q3	4837	48-134837	GE-17	TR-21	PTC115	HEPS0020	RE 10	SK3018	RT-107	ECG108
Q4	2582	48-137351	GE-20	TR-21	PTC136	HEPS0025	RE 10	SK3018	RT-107	ECG229
Q5	2582	48-137351	GE-20	TR-21	PTC136	HEPS0025	RE 10	SK3018	RT-107	ECG229
Q6	2582	48-137351	GE-20	TR-21	PTC136	HEPS0025	RE 10	SK3018	RT-107	ECG229
Q7	829B	48-134831	GE-21	TR-30	PTC103	HEPS0019	RE 26	SK3114	RT-115	ECG159
Q8	829B	48-134831	GE-21	TR-30	PTC103	HEPS0019	RE 26	SK3114	RT-115	ECG159
Q9	829A	48-134831	GE-82	TR-30	PTC177	HEPS0019	RE 193	SK3138	RT-126A	ECG288
Q10	829C	48-134831	GE-21	TR-30	PTC103	HEPS0019	RE 26	SK3114	RT-115	ECG159
Q11	54B	48-134809	GE-20	TR-21	PTC136	HEPS0015	RE 13	SK3124	RT-172	ECG123A
Q12	54B	48-134809	GE-20	TR-21	PTC136	HEPS0015	RE 13	SK3124	RT-172	ECG123A
Q13	54C	48-134810	GE-20	TR-21	PTC136	HEPS0016	RE 13	SK3124	RT-172	ECG123A
Q14	54C	48-134810	GE-20	TR-21	PTC136	HEPS0016	RE 13	SK3124	RT-172	ECG123A
Q15	P2U	48-137160	GE-84	TR-73	PTC160	HEPS3028	RE 76	SK3084	RT-185	ECG189
Q16	P2U	48-137160	GE-84	TR-73	PTC160	HEPS3028	RE 76	SK3084	RT-185	ECG189
Q17	B1C	48-137473(5)	GE-57		PTC163	HEPS5000	RE 40		RT-194	ECG184
Q18	B1C	48-137473(5)	GE-57		PTC163	HEPS5000	RE 40		RT-194	ECG184
Q19	P4V	48-137472(5)	GE-58		PTC162	HEPS5006	RE 41		RT-195	ECG185
Q20	P4V	48-137472(5)	GE-58		PTC162	HEPS5006	RE 41		RT-195	ECG185

(5) Half of complementary pair.

MOTOROLA MODEL 5FM485AX

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C37	1 6V	23-43280A36		TDC104M035EL	S35-19
C43	2 10V	23-10229A03		TDC225M020EL	SD25-2R29
C46	1 10V	23-10229A17		TDC104M035EL	SD35-19
C61	32 10V	23-42674B3b	PC30-25	VTT33A10	EV-1125
C80	1 10V	23-43280A22		TOC104M035EL	SD35-19
C81	1 10V	23-43280A22		TDC104M035EL	SD35-19
C82	.1 15V	23-43280A14		TDC104M050EL	SD35-R109
C83	.1 15V	23-43280A14		TDC104M050EL	SD35-R109
C84	.2 15V	23-43280A19		TDC224M050EL	SD35-R229
C85	.2 15V	23-43280A19		TDC224M050EL	SD35-R229
C88	1 6V	23-43280A36		TDC104M035EL	SD35-R19
C89	1 6V	23-43280A36		TDC104M035EL	SD35-R19
C90	20 16V	23-41928A24	WBR25-25	TT15X20A	TVA-1147
C91	20 16V	23-41928A24	WBR25-25	TT15X20A	TVA-1147
C92	20 16V	23-41928A24	WBR25-25	TT15X20A	TVA-1147
C101	1000 10V	23-42674B12	WBR1000-16	TC1210D	TVA-1128
C102	1000 10V	23-42674B12	WBR1000-16	TC1210D	TVA-1128
C105	400 16V	23-42674B1D	WBR500-16	TT15X40D	TVA-1161.5
C106	400 16V	23-42674B1D	WBR500-16	TT15X40D	TVA-1161.5
C107	1800 16V	23-42674A21	WBR2000-16	TC1220B	TVA-1134

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	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	22 N150 10%	21-43539A17			*	10TCP-Q22
C2	120 5%	21-40367A34				
C3	12 NPO 5%	21-43539A82				
C4	2.2 NPO 10%		DTZ-2R2	NP02P2	CN0412 CN0522	10TCC-Q12 10TCC-V22
C5	4.5-20	20-40429B03				
C6	.005		DC-502	MGP005	TA250	TG-D50
C7	.005		DC-502	MGP005	TA250 CN0427	TG-D50 10TCC-Q27
C8	27 10%	21-43842B06				
C9	4.5-20	20-40429B03				
C10	72 10%		DTZ-75	NP075	CN0475	10TCC-Q75
C11	8 NPO 10%	21-43539A25				
C12	1 NPO ±.25	21-43539A16				
C13	.005		DC-502	MGP005	TA250	TG-D50
C14	4.7 NPO ±.25	21-43539A74				
C15	220 5%			CD15FD221J03	SX322	MMA-221
C16	220 5%			CD15FD221J03	SX322	MMA-221
C17	8.2 N220 5%	21-43539A77			*	10TCR-V82
C18	3.9 NPO ±.25	21-135339				
C19	2.7-6	20-40429B02				
C20	.1 12V	21-41680A20	UK12-104		MAG1201	
C25	.01		UK50-103	MGP01	MAG5011	TG-S10
C26	.01		UK50-103	MGP01	MAG5011	TG-S10
C27	.01		UK50-103	MGP01	MAG5011	TG-S10
C28	.01		UK50-103	MGP01	MAG5011	TG-S10
C29	.1 12V	21-41680A20	UK12-104		MAG1201	TG-P10
C30	.01		UK50-103	MGP01	MAG5011	TG-S10
C31	4.7 NPO ±.25	21-43539A74				
C32	.01		UK50-103	MGP01	MAG5011	TG-S10
C33	.01		UK50-103	MGP01	MAG5011	TG-S10
C34	.01		UK50-103	MGP01	MAG5011	TG-S10
C35	100 N330 5%	21-43539A59			*	10TCS-T10
C36	.01		UK50-103	MGP01	MAG5011	TG-S10
C38	6.8 NPO 10%		DTZ-6R8	NP06P8	CN0568	10TCC-V68
C39	.01		UK50-103	MGP01	MAG5011	TG-S10
C40	.01		UK50-103	MGP01	MAG5011	TG-S10
C41	.002 10%				GP220	10TS-D20
C45	.01 N150 5% 33V	8-10226A25			SXM110	
C47	.0018 N150 5% 33V			CD19FD182J03	SX218	MMA-181
C48	.02		DC-203	MGP02	TA120	TG-S20
C49	.02		DC-203	MGP02	TA120	TG-S20
C50	.01		DC-103	MGP01	TA110	TG-S10
C51	.01		DC-103	MGP01	TA110	TG-S10
C59	20-120	20-64065B05				
C60	.47 3V	21-41680A21	UK-474		MAG3047	
C62	270 N150 5% 125V				SX327	424ME2700J501
C63	65-200	(1)				
C64	180 N150 5% 125V			CD15FD181J03	SX318	424ME1800J501
C65	.01 10%			WMF1S1	EWF1A110	1PB-S10
C66	.01 10%			WMF1S1	EWF1A110	1PB-S10
C67	.0082 10%			WMF1D82	EWF1A282	1PB-082
C68	25-100	(1)				
C69	220 N150 5% 630V	8-10226A66				
C70	.01	21-43538A42				
C72	220 10%		DD-221		GP322	10TS-T22
C73	.01	21-43538A42				
C74	.01	21-43538A42				
C75	.01			WMF1S1	EWF1A110	1PB-S10
C76	.01	21-43538A42				
C77	47 N750 10%		DTN-47	N47	CN7447	10TCU-Q47
C86	.001	8-42208B08				
C87	.001	8-42208B08				
C93	330 10%		DD-331	GP330	GP333	10TS-T33
C94	330 10%		DD-331	GP330	GP333	10TS-T33
C99	.01			WMF1S1	EWF1A110	1PB-S10
C100	.01			WMF1S1	EWF1A110	1PB-S10
C103	.001 500V	21-560232				
C104	.001 500V	21-560232				
C108	.001 500V	21-560232				

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.
(1) Part of Dual Trimmer Part Number 20-64618A10.

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	RESISTANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
R41	Threshold	47K	18-43556C03				
R79A	Tone - Right	100K	18-40646D01 (18)				
B	Tone - Left	100K	18C40646D01 (5)				
R80A	Volume - Right	50K Tap 6500	(18)				
B	Volume - Left/ Power Sw/ Lo-DX Switch	50K Tap 6500	(18)				
R81	Balance	100K	18-41061C03 18B41061C03F (5)				

(5) Number on unit.

(18) Includes R79A, R79B, R80A, & R80B.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	AM Ant Choke	24-40788A16			(1) Part of M1 (Tuner)
L2	FM Antenna	(1)			
L3	FM RF	(1)			
L4	FM Osc	(1)			
L5	19 kHz	24-40794D01	24C63463A09K		
L6	38kHz	24-40793D01	24C61108B01-G		
L7	AM Antenna	1-40150E51			
L8	AM RF	1-40150E51			
L9	AM Osc	1-40150E51			
T1	IF (10.7MHz)	24-40087D01	24C40087D01-B		
T2	Quadrature	24-40250D01	24C40250D01		
T3	IF (262kHz)	24-64670B01	24C64670B01-0		
T4	IF (262kHz)	24-64760B02	24C64670B02-0		

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L10	245mA	.3	3mH	25-64172A31 25D-64172A31 (1)			(1) Number on unit

MOTOROLA MODEL 5FM485AX

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.

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
E11	5A 32V	65-122345	9-42401B05 (1)	AGA5	HAF	301005	150145	

(1) Includes "A" lead.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
E2	Filter	[SFE10.7MA(1)]	Ceramic, (Red dot)
E3	Filter	91-43353A53 (2)	
E9	Switch	[SFE10.7MA (1)]	Ceramic, (Red dot)
M1	Tuner Assembly	91-43353A53 (2)	
S1	Switch	[FS-335X(1)]	Power (On Volume)
S2	Switch	77-41900C77	AM/FM
	Printed Circuit Board	40-64736B02	Local/Distant (On Volume)
	Printed Circuit Board	[D01(1)]	AM/FM
	Printed Circuit Board	84-40768D01	FM Tuner (3)
	Printed Circuit Board	84-40768D03	FM Tuner (3)
	Printed Circuit Board	84-40358D01	AM
	Printed Circuit Board	84-40844D01	IF
	Printed Circuit Board	84-40137D01	MPX
	Printed Circuit Board	84-40817D01	Audio

(1) Number on unit.

(2) When replacing, E2 & E3 should be replaced.

(3) Used in some versions.

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

ITEM	PART No.	ITEM	PART No.
Escutcheon	13-40747D01	Pushbutton, Tuning - FM	38-41956B05
Dial Glass	34-40744D01	Pushbutton, Tuning - AM	38-41956B06
Dial Pointer Assembly	52-40120E01	Knob, Tuning/Volume	36-40751D04
Pushbutton, Tuning (3 used)	38-41956B04	Knob, Tone/Balance	36-40752D01

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.)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets

INDEX

This index lists all radios appearing in "Auto Radio Manuals" and "PHOTOFACT Auto Radio Series"

KEY: PCP-Production Change Bulletin EP-Early Production LP-Late production REV-Revised

AFCO	VOL.	ALLIS CHALMERS (CONT.)	VOL.	AMERICAN MOTORS (CONT.)	VOL.	AMERICAN MOTORS (CONT.)	VOL.	ATR KARADIO (CONT.)	VOL.	AUDIOVOX (CONT.)	VOL.
AFX-810	216	7BT 249523	44	1RA2211 72	131	3690419	217	612	19	C-902	224
AG-52	222			1RA2315 74	171	3690420	212	707	22	C-903	186
SC-700	224	7B7X	50	1RA2404 75	200	3690421	212	1279-6V	11	C-905	184
ID-300AFX	195			1RA2413 74	169	3690422	216	1279-12V	11	C-910	191
ID-400PB	221			1RA2511	219	5451456 (1KJ1405)	167			C-915	132
ID-600AFX	220	ALLSTATE		1RA2520	219	5451456 (SKJ1405)	167	AUDI		C-920	134
SB-480	223	5018	22	1RA4404 74	171	5454307	216	1AU1121 71	118	C-930	91
SCX-900	226	5028 Ch. 528, 50280/		1RA4503	217	8678035	167	1AU121 71	130	C-935	95
SX-3015B	227	50281	7	1RA4518	217	8990377	6	1AU2125 71	156	C-940	99
		5033 Ch. 528, 50330/		1RA5002 (70)	87	8990378 (6MA)	6	1AU2240 72	157	C-950	99
AIRCASCADE		50331	7	1RA5002 (70)	87	8990378 (6MA)	6	1VW1327 (Sapphire XVII)	73	C-961	132
610-A67	4	5050	30	1RB1002 70	86	8990455	6	1VW1419 (Sapphire XVII)	155	C-965	134
610-PE-153 52-53	4	5066	26	2HT1244 72	133	8990494	8	XV111 (Sapphire)	131	C-973	166
Ford	4	5098 Ch. 833, 50980		2HT1303 73	166	8990543	6	XV111 (Sapphire)	131	C-974	131
610-W-100	5	5099 Ch. 833, 50990	9	2HT1409, 2HT1415,		8990582	10	1VW2323 (Sapphire XIX)	154	C-975	136
		6225 Ch. 528, 55040/		2HT1432 74	167	8990706	12	73	180	C-976	160
		55041	11	2HT1509 75	212	8990811	12	1VW2355 73	181	C-977	162
		6231 Ch. 528, 62310	9	2HT1510 75	212	8990831	14	1VW2427 74	199	C-978	167
		6232 Ch. 528, 62320	9	2HT2511	219	8990832	14	1VW3401 74	193	C-979	162
		6240 Ch. 528, 62400	5	2JA1001 70	82	8990833	15	1VW4112 (Sapphire)	124	C-980	139
		6256 Ch. 528, 55040/		2JA1228 72	133	8990981	29	XV111 71	124	C-983 (Pg. 15)	166
		55041	11	2JA1304, 2JA1305 73	166	8991796	82	1VW4309 (Sapphire XXI)	179	C-984	167
		6263 Ch. 528, 6263 5		2JA1407, 2JA1408 74	167	8991829	83	73	206	C-986 (136-1013)	206
		6263-2 Ch. 528, 6263-2. 5		2JA2001 70	83	8991835	86	1VW4412, 5VW4412	201	C-990	162
		6264 Ch. 528, 6264 5		2RA1301 73	166	8991836	84	1VW4419 (Sapphire XXI)	191	CA-73-FM (Pg. 21)	133
		6264-1 Ch. 528, 6264-1. 5		2RA1402, 2RA1410 74	167	8991836	84	74 Fox	191	CA-73-PB (Pg. 21)	136
		6266 Ch. 528, 6266 5		2RA1507 75	212	8992206	82	2VW1327 (Sapphire XVII)	155	CA-74-FM (Pg. 21)	133
		6268 Ch. 62680/81 7		2RA1508 75	212	8992252 (FBSMG)	68	73	155	CA-74-PB (Pg. 21)	136
		6269 Ch. 62690/91 7		2RA1524 75	212	8992252 (FBSMG)	68	5VW1327 (Sapphire XVII)	155	CA-75-CXP	218
		6284 Ch. 528, 6284 4		2RA1525 75	212	8992290 (ASMG)	62	73	155	CA-75-MXD	216
		6286-4 Ch. 528, 6286-4. 4		2RA2510	219	8992290 (ASMG)	62	5VW1419 (Sapphire XVII)	191	CA-75-TPX/A	219
		6287-4 Ch. 528, 6287-4. 4		2RA2520	219	8992416	86	XV111 74	192	CAO-75-CXP	218
		6295-6 Ch. 528, 6295-6. 4		2RA4518	217	8992417	84	5VW2427 74	199	CAO-75-MXD	216
		6530 Ch. 528, 65300	5	2RB1002	86	8992512 (2HT1244)	133	5VW3401 74	193	CAO-75-QDX	226
		750, 62380/91/90/91,		2RS1016 70	86	8992522 (2HT1303)	166	5VW4207 74	199	CAO-75-TPX/A	219
		750, 62380	25	2TRR 62	29	8992523	166	5VW4309 (Sapphire XXI)	179	CH-73-FM/-MPX	181
		833, 5049	30	SAM2603	227	8992525	166	73	191	CH-73-PB	174
		833, 501801	31	SAM2604	227	8992525	166	1VW4419 (Sapphire XXI)	191	CH-74-FM/-MPX	181
		833, 50181	27	SAM2604	227	8992770 (1RA1226)	155	74	191	CH-74-PB	174
		833, 50202	27	SAM2604	227	8992770 (1RA1301)	166			CH-75-CXP	218
		833, 50490	30	SAM2604	227	8992771	131			CH-75-MXD	216
		833, 50930	28	SAM2604	227	8992771 (1HT1224)	157			CH-75-QDX	226
		833, 50931 64 VW	28	SAM2604	227	8992833 (1HT1224)	157			CH-75-TPX/A	219
		833, 62743	28	SAM2604	227	8992833 (1HT1303)	166			CFT-73-DLX	181
		833, 62743	32	SAM2604	227	8992861 (1HT2306)	170			(Sim. to Pg. 21)	160
		833, 62800	30	SAM2604	227	8992861 (1HT2306)	170			CFT-73-FM/-MPX	181
		833, 63070	28	SAM2604	227	8992927	171			CFT-73-PB	174
		833, 500510 65 Chev.	32	SAM2604	227	8992928 (1JA2305)	170			CFT-74-DLX	181
		833, 501220	30	SAM2604	227	8992928 (1JA2305)	170			(Sim. to Pg. 21)	160
		833, 501230 65 Dodge	30	SAM2604	227	8992928 (1JA2305)	170			CHT-74-FM/-MPX	181
		833, 501920 65 Merc.	30	SAM2604	227	8992928 (1JA2305)	170			CHT-74-PB	174
		833, 503050 65 Dodge	33	SAM2604	227	8992928 (1JA2305)	170			CHT-75-CXP	218
		833, 503060 65 Dodge	33	SAM2604	227	8992928 (1JA2305)	170			CHT-75-TPX/A	219
		833, 503060 65 Dodge	33	SAM2604	227	8992928 (1JA2305)	170			CK-73-FM (Pg. 5)	137
		833, 623690	30	SAM2604	227	8992928 (1JA2305)	170			CK-73-MPX (Pg. 5)	137
		833, 624211 64 VW	28	SAM2604	227	8992928 (1JA2305)	170			CK-74-FM (Pg. 21)	133
		833, 624630	30	SAM2604	227	8992928 (1JA2305)	170			CK-74-MPX (Pg. 21)	133
		833, 625510 65 Chev.	30	SAM2604	227	8992928 (1JA2305)	170			CK-75-MPX (Pg. 21)	133
		833, 627420	28	SAM2604	227	8992928 (1JA2305)	170			CNO-73-MPX (Pg. 45)	136
		833, 628000	30	SAM2604	227	8992928 (1JA2305)	170			CNO-73-PB (Pg. 21)	136
		834, 50480	32	SAM2604	227	8992928 (1JA2305)	170			CNO-74-FM (Pg. 21)	133
		835, 62460	29	SAM2604	227	8992928 (1JA2305)	170			CNO-74-MPX (Pg. 45)	136
		856, 62450	27	SAM2604	227	8992928 (1JA2305)	170			CNO-74-PB (Pg. 21)	136
		856, 62470	52	SAM2604	227	8992928 (1JA2305)	170			CNO-75-CXP	218
				SAM2604	227	8992928 (1JA2305)	170			CNO-75-MXD	216
				SAM2604	227	8992928 (1JA2305)	170			CNO-75-TPX/A	219
				SAM2604	227	8992928 (1JA2305)	170			CO-73-FM (Pg. 5)	137
				SAM2604	227	8992928 (1JA2305)	170			CO-73-MPX (Pg. 5)	137
				SAM2604	227	8992928 (1JA2305)	170			CO-74-FM (Pg. 5)	137
				SAM2604	227	8992928 (1JA2305)	170			CO-74-MPX (Pg. 5)	137
				SAM2604	227	8992928 (1JA2305)	170			CP-650	218
				SAM2604	227	8992928 (1JA2305)	170			CPR-73-FM (Pg. 5)	137
				SAM2604	227	8992928 (1JA2305)	170			CPR-73-MPX	137
				SAM2604	227	8992928 (1JA2305)	170			CPR-73-PB (Pg. 5)	138
				SAM2604	227	8992928 (1JA2305)	170			CPR-74-FM (Pg. 5)	137
				SAM2604	227	8992928 (1JA2305)	170			CPR-74-MPX	137
				SAM2604	227	8992928 (1JA2305)	170			CPR-74-PB (Pg. 5)	138
				SAM2604	227	8992928 (1JA2305)	170			CPR-75-TPX/A	219
				SAM2604	227	8992928 (1JA2305)	170			CTV-73-PB (Pg. 21)	136
				SAM2604	227	8992928 (1JA2305)	170			CTV-74-PB (Pg. 21)	136
				SAM2604	227	8992928 (1JA2305)	170			CTV-75-TPX/A	219
				SAM2604	227	8992928 (1JA2305)	170			CVA-73-FM/-MPX	181
				SAM2604	227	8992928 (1JA2305)	170			CVA-73-PB	174
				SAM2604	227	8992928 (1JA2305)	170			CVA-74-FM/-MPX	181
				SAM2604	227	8992928 (1JA2305)	170			CVA-75-CXP	218
				SAM2604	227	8992928 (1JA2305)	170			CVA-75-MXD	216
				SAM2604	227	8992928 (1JA2305)	170			CVA-75-QDX	226
				SAM2604	227	8992928 (1JA2305)	170			CVA-75-TPX/A	219
				SAM2604	227	8992928 (1JA2305)	170			DMO-75-CXP	219
				SAM2604	227	8992928 (1JA2305)	170			DMO-75-QDX	226
				SAM2604	227	8992928 (1JA2305)	170			DMO-75-TPX/A	219
				SAM2604	227	8992928 (1JA2305)	170			DST-73-FM (Pg. 21)	133
				SAM2604	227	8992928 (1JA2305)	170			DST-73-MPX (Pg. 45)	136
				SAM2604	227	8992928 (1JA2305)	170			DST-73-PB (Pg. 21)	133
				SAM2604	227	8992928 (1JA2305)	170			DST-74-FM (Pg. 21)	136
				SAM2604	227	8992928 (1JA2305)	170			DST-74-MPX (Pg. 45)	136
				SAM2604	227	8992928 (1JA2305)	170			DST-74-PB (Pg. 21)	136
				SAM2604							

AUDIOVOX (CONT.)	VOL.	AUDIOVOX (CONT.)	VOL.	AUTOMATIC (CONT.)	VOL.	AUTOMATIC (CONT.)	VOL.	AUTOMATIC (CONT.)	VOL.
DTN-71-FM		OL-74-FM/MPX	181	ACS-6000	73	CP-500AN 65 Chev.	37	EMS-2121	119
(Sim. to Pg.5)	137	OL-74-PB	174	ACY-3117 (APP-2567)	73	CP-6052 66 Chev.	39	EMX-6810	89
DTN-610-FM (Pg.5)	93	OL-75-CXP	218	73 Chev.	161	CP-8254T 68 Chev.	60	EP-108 58 Ford	12
DTN-620-FM (Pg.5)	94	OL-75-HXD	216	APP-3103 (APP-2567)	73	CPE-3047 63 Chev.	28	ESS-8528	12
DTN-1200-FM	154	OL-75-QDX	226	73 Ford	161	CPA-3714 73 Chev.	171	EXP-8012	95
DTN-1200-PB	155	OL-75-TPX/A	219	APC-3107 (APP-2563)	73	CPE-4542 74 Merc.	168	F-100 49-50 (Rev.)	6
DTR-73-FM (Pg.5)	137	OLF-73-FM/MPX	181	73 Pontiac	161	CPF-4257 74 Merc.	172	Ford	6
DTR-73-MPX	177	OLF-73-PB	174	APX-2334	120	CPL-4006 74 Merc.	161	F-128/C 58 Ford	12
DTR-73-PB (Pg.5)	138	OLF-74-FM/MPX	181	ASK-3129 (APP-2567)	73	CPL-4006T (UP-2064T)	74	F-139 59 Ford	11
DTR-74-FM (Pg.5)	137	OLF-74-PB	174	73 Buick	161	74 Merc. (Pg.45)	160	F-151 51 Ford (Rev.)	6
DTR-74-MPX	177	OLF-75-CXP	218	ATC-60 59-60 Chev.	15	GPP-3710 73 Chev.	171	F-152 52 Ford	6
DTR-74-PB (Pg.5)	138	OLF-75-HXD	216	ATC-3127 (APP-2567)	73	CPV-3003	159	F-241 54 Ford	6
DTR-75-CXP	218	OLF-75-QDX	226	73 Pontiac	161	CPV-3006A) 73 Chev.	159	F-322A	19
DTR-75-TPX/A	219	OLF-75-TPX/A	219	AUF-2565A	172	CPV-4048 64 Chev.	28	F-3016 63 Ford	23
DVA-73-FM (Pg.5)	137	OMA-73-FM (Pg.21)	133	AUX-2340	174	CPV-5007 65 Chev.	29	F-4055 64 Ford	27
DVA-73-MPX	177	OMA-73-MPX (Pg.45)	136	AVA-3105 73 Chev.	161	CPV-7154 67-68 Chev.	71	F-5058N 65 Ford	36
DVA-73-PB (Pg.5)	138	OMA-73-PB (Pg.21)	136	BAP-9 59 Buick	14	CRP-8256 68 Chev.	70	FA-219 59 Ford	11
DVA-74-FM (Pg.5)	137	OMA-74-FM (Pg.21)	133	BAP-20 60 Buick	14	CPX-4440 74 Chev.	174	FA-219 59 Ford	11
DVA-74-MPX	177	OMA-74-MPX (Pg.45)	136	BAP-4530 64 Buick	28	CR-3006 63 Chev.	23	FA-3056 63 Ford	23
DVA-74-PB (Pg.5)	136	OMA-74-PB (Pg.21)	136	BAR-8209 68 Ply.	60	CR-4034 64 Chev.	23	FA-4555 64 Ford	27
DVA-75-CXP	218	OPF-71-FM (Sim. to Pg.5)	137	BFP-2256 72 Buick	131	CRA-3046 63 Chev.	23	FA-6605P 65/66 Ford	40
DVA-75-TPX/A	219	OPF-71-PB (Sim. to Pg.5)	93	BFP-3280 73 Buick	169	CRA-4534 64 Chev.	23	FAL-4554	27
ECO-73-FM (Pg.5)	138	OPF-73-FM (Sim. to Pg.5)	93	BP-340 60 Buick	14	CRP-442A/AT 63 Chev.	23	FAN-3058 63 Ford	23
ECO-73-MPX	177	OPF-75-TPX/A	219	BP-668 57-58 Buick	12	CRP-3007 63 Chev.	23	FAN-4551 64 Ford	27
ECO-73-PB (Pg.5)	138	OTN-73-FM/MPX	181	BP-679 59 Buick	13	CRP-4033 64 Chev.	28	FAP-70 60 Ford	14
ECO-74-FM (Pg.5)	137	OTN-74-FM/MPX	181	BP-3081 63 Buick	23	CRP-5009 65 Chev.	29	FAP-4556 64 Ford	27
ECO-74-PB (Pg.5)	138	OTN-74-PB	174	BP-3095 (BP-2094D)	72	CRP-6056 65-66 Chev.	62	FAP-6606P 65/66 Ford	40
ECO-75-CXP	218	PAC-73-FM/MPX	181	72 Buick	159	CRP-7156 65-66 Chev.	62	FAR-762AT 62 Ford	24
ECO-75-TPX/A	219	PAC-75-CXP	218	BP-4030 64 Buick	28	CRA-4125 74 Olds.	176	FAR-3018 63 Ford	23
FCC-73-FM (Pg.5)	137	PAC-75-TPX/A	219	BP-7160 66-67 Buick	62	CSA-9934	103	FAR-4054 64 Ford	27
FCC-73-MPX	177	PAT-75-QDX	226	BUE-4539 74 Buick	168	CSA-4525 74 Olds.	168	FAR-7205 67 Ford	60
FCC-74-FM (Pg.5)	137	PF-73-FM (Pg.21)	133	BUF-4280 74 Buick	169	CSF-4285 74 Olds.	169	FBK-4460	170
FCC-74-MPX	177	PF-73-MPX (Pg.45)	136	BUL-4095 (Pg.5)	159	CSF-4289 74 Olds.	169	FEO-3525 73 Olds.	168
FDT-73-FM/MPX	181	PF-75-FM (Pg.21)	136	BUX-4485 74 Buick	170	CSF-4294 74 Olds.	169	FEO-3536 73 Olds.	168
FDT-73-PB	174	PF-74-FM (Pg.21)	133	BUX-4682 74 Buick	177	CSL-4028 74 Olds.	169	FEP-3503 73 Ford	168
FDT-74-FM/MPX	181	PF-74-MPX (Pg.45)	136	BXP-3485 73 Buick	167	CSP-4726 74 Olds.	171	FEP-3514 73 Ford	168
FDT-74-PB	174	PF-75-TPX/A	219	BXP-3671 73 Buick	165	CSX-4479 74 Olds.	170	FFB-1470 71 Pont.	131
FDT-75-CXP	218	PGP-73-FM/MPX	181	C-12	11	CT-356 55-56 Chev.	13	FFB-2213 71-72 Pont.	131
FDT-75-TPX/A	219	PGP-75-PB	174	C-300	2	CT-387 57 Chev.	12	FFM-1632 71 Ford	131
FGA-75-CXP	218	PGP-74-FM/MPX	181	C-300 40-50 (Rev.)	6	CT-4058 64 Merc.	27	FFM-2231 71-72 Ford	131
FGA-75-FDX	222	PGP-74-PB	174	C-338-C 58 Chev.	12	CTL-4001 (Sim. to Pg.5)	159	FFM-3091A 63 Ford	22
FGA-75-MPX	223	PGP-75-FM/MPX	181	C-349 59 Chev.	11	CTP-792AT 62 Merc.	23	FFM-3288 73 Ford	169
FGA-75-QDX	226	PGP-75-PB	174	C-382AT	24	CTP-3004 63 Merc.	23	FFM-6251 65-66 Ford	66
FGA-75-TPX/A	219	PGP-75-QDX	226	C-382AT 62 Chev. (LP)	19	CTP-4009 64 Merc.	27	FKF-4285 74 Ford	169
FMK-73-FM/MPX	181	PGP-75-TPX/A	219	C-5001 63 Chev.	23	CTP-5071 65 Merc.	29	FKL-4053 74 Ford	159
FMK-73-PB	174	PGP-75-CXP	218	C-4049 64 Chev.	28	CTP-7211A 67 Merc.	62	FKX-4499	170
FMK-74-FM/MPX	181	PGP-75-HXD	216	C-4049M 64 Chev.	28	CTP-7211A 67 Merc.	62	FM-61	14
FMK-74-PB	174	PGP-75-QDX	226	C-5003 65 Chev.	29	CTP-7211A 67 Merc.	62	FM-731	17
FMK-75-CXP	218	PGP-75-TPX/A	219	C-5003M 65 Chev.	29	CTR-68 55-56 Chev.	13	FM-3083A	27
FMK-75-FDX	222	PO-73-FM/MPX	181	C-6051 66 Chev.	39	CTR-77A 57 Chev.	9	FM-3083A	27
FMK-75-FMX	223	PO-73-PB	174	CA-109 59 Chev.	11	CU-39	39	FM-5099	32
FMK-75-QDX	226	PO-74-FM/MPX	181	CA-3041 63 Chev.	23	CVA-4113 74 Chev.	176	FM-5099B	65
FMK-75-TPX/A	219	PO-75-CXP	218	CA-4549 64 Chev.	28	CVE-4513 74 Chev.	168	FM-7880	86
FMU-73-FM/MPX	181	PO-75-HXD	216	CA-4549M 64 Chev.	37	CFM-4298 74 Chev.	169	FM-8354 73 Ford	175
FMU-73-PB	174	PO-75-QDX	226	CA-5503N 65 Chev.	37	CVL-4013 74 Chev.	159	FM-4051 64 Ford	27
FMU-74-FM/MPX	181	PWN-73-FM (Pg.21)	133	CA-109 59 Chev.	11	FNP-430 60 Ford	14	FNF-430 60 Ford	14
FMU-74-PB	174	PWN-73-MPX (Pg.45)	136	CA-3041 63 Chev.	23	FNF-452AT 62 Ford	23	FNF-3015 63 Ford	23
FMU-75-CXP	218	PWN-74-FM (Pg.21)	133	CA-4549 64 Chev.	28	FNF-3015 63 Ford	23	FNF-3015A 63 Ford	23
FMU-75-TPX/A	219	PWN-74-MPX (Pg.45)	136	CA-4549M 64 Chev.	37	FNF-4052 64 Ford	27	FNF-5051N 65 Ford	36
FMX-20-PB	196	QD-1000	226	CA-5503N 65 Chev.	37	FNF-7205 67 Ford	60	FNF-7205 67 Ford	60
FO-73-FM/MPX	181	TD-2000	219	CA-5503N 65 Chev.	37	FOE-4503 74 Ford	168	FOE-4503 74 Ford	168
FO-73-PB	174	TD-2500	219	CA-5503N 65 Chev.	37	FOE-4288 74 Ford	168	FOE-4288 74 Ford	168
FO-74-FM/MPX	181	TO-71-MPX	156	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FO-74-PB	174	TO-73-MPX	190	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FO-75-CXP	218	TO-73-PB	174	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FO-75-FDX	222	TO-74-MPX	210	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FO-75-FMX	223	TO-75-FM	211	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FO-75-QDX	226	VA-73-FM (Pg.21)	133	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FO-75-TPX/A	219	VA-73-MPX (Pg.45)	136	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FPT-73-FM/MPX	181	VA-73-PB (Pg.21)	136	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FPT-74-FM/MPX	181	VA-74-FM (Pg.21)	133	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FPT-74-PB	174	VA-74-MPX (Pg.45)	136	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FPT-75-CXP	218	VE-73-FM/MPX	181	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FPT-75-TPX/A	219	VE-73-PB	174	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-73-FM/MPX	181	VE-74-FM/MPX	181	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-73-PB	174	VE-74-PB	174	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-74-FM/MPX	181	VE-75-CXP	218	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-74-PB	174	VE-75-HXD	216	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-75-CXP	218	VE-75-QDX	226	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-75-FDX	222	VV-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-75-FMX	223	VV-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-75-QDX	226	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
FTR-75-TPX/A	219	VW-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HCV-73-PB	194	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HCV-74-PB	194	VW-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HO-73-FM (Pg.5)	137	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HO-73-MPX	177	VW-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HO-73-PB (Pg.5)	138	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HO-74-FM (Pg.5)	137	VW-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HO-74-MPX	177	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HO-74-PB (Pg.5)	138	VW-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
HO-75-TPX/A	219	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
IO-200	202	VW-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
IO-300	209	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
IO-400 (Pg.5)	182	VW-71-PB (Sim. to Pg.5)	93	CA-5503N 65 Chev.	37	FOE-4042 74 Ford	159	FOE-4042 74 Ford	159
IO-600 (Pg.5)	187	VW-71-FM (Sim. to Pg.5)	137	CA-5503N 65 Chev.	37				

AUTOMATIC (CONT.)	VOL.	AUTOMATIC (CONT.)	VOL.	AUTOMATIC (CONT.)	VOL.	AUTOMATIC (CONT.)	VOL.	BLAUPUNKT (CONT.)	VOL.	BRITISH LEYLAND	VOL.
NA-3068 63 Amer.		PP-3026 63 Ply.	22	TFO-3278	169	WP-4 58-59 VW	12	Exportsuper 33070		(CONT.)	
NAP-3069 63 Amer.	23	PP-5105 65 Ply.	30	TFX-3207	169	WP-7 thru 57 VW	12	From Serial #U170001	33	OBTR 70	110
Motors	23	PP-5105N 65 Ply.	35	TFX-3285	169	WP-7G VW	12	Exportsuper 33080 From		1BM1441	216
NAY-3052 63 Chry.	23	PP-7103 66-67 Ply.	60	TFX-3296	169	WP-19 58-59 VW	12	Serial #U50001	33	1BM1442	216
ND-B224 68 Chry.	23	PP-8202 68 Ply.	60	TP-3053 73 Ford	159	WP-21 58-63 VW	23	Exportsuper 34150		1BM1443	216
NDA-4117 74 Chev.	176	PCC-3767 67 Pont.	171	TLU-1590	74	WP-167	15	Serial #V450001	26	1BM2132 (HAC731)	
NOE-4517 74 Chev.	168	PPM-3766 67 Pont.	61	TMA-1550	69	WP-2289A (Sim. to		Exportsuper 34750 From		2BAMB 72	128
NOF-4270 74 Chev.	169	PPF-2500	171	TMA-1550-PA	69	Pg. 5)	159	Serial #V765001	34	2BAMB 72	128
NOL-4015 74 Chev.	169	PPK-2389	127	TMA-1550-T	160	WP-3039 58-63 VW	23	Exportsuper 36350		2BM1441	216
(Pg. 5)	159	PS-4153	27	TOR-3044 73 Ford, Merc.	159	WP-3095A 64 VW	28	Vienna Series X From		2BM1442	216
NOL-4475 74 Chev.	159	PS-4653	27	TPC-31 61 Buick, Olds,		WP-5203 65 VW (Pg. 41)	28	Serial #X870001	42	2FBPMU (2FBPM) 72	129
(Pg. 15)	165	PT-3025 63 Ply.	26	Pont.		WP6237 58-67 VW	57	Exportsuper 91220		5BM1441	216
NP-3029 63 Amer.	23	PUT-3108	23	TPC-31AT 63 Olds,	16	WPC-8 thru 57 VW	12	Above Serial		5BM1442	216
Motors	23	PUT-3108A	28	Pont.		XEM-1156 (Series M)	149	#E160001	18	5BM1443	216
NP-5153 63 Amer.	23	PXC-3455 73 Pont.	167	TPC-42AT 63 Olds,	23	XME-1443	149	Frankfurt	8		
Motors	23	PXC-3455B 73 Pont.	170	Pont.		XPA-2575A (Sim. to		Frankfurt US From			
NPP-2349	176	PXN-3638 (XPA-2575A)		TPC-3036 63 Olds,	23	Pg. 15)	165	Serial #V510001	27		
NPX-2390	168	3 Ford	165	Pont.	23	XTP-3487 73 Pont.	167	Frankfurt 3798 Above			
NPX-2390F	125	QME-2445A	153	TPC-4026 64 Pont.	28	XTP-3487B 73 Pont.	178	Serial #Q533083	14		
NT-8222 68 Chry.	60	R-54	11	TPC-7170 66-67 Pont.	62	YAM-3050 63 Chev.	23	Frankfurt 9798 Above			
NU-63-AT	23	R-61	10	TPO-3730 73 Olds.	171	YAM-525 64 Chev.	28	Serial #890001	15		
NU-3107	23	RAP-89 59 Amer. Motors.	13	TPO-3730 73 Olds.	171	YP-3049 63 Chev.	23	Frankfurt US 36650			
NU-3107A	28	RAP-100 60 Amer.	13	TPP-87A 57 Ply.	13	YP-4532 64 Chev.	28	Series X	43		
NVW-6238 65-67 VW	54	Motors	13	TPP-88 57-58 Ply.	13			Hamburg	8		
NY-598A 58 Chry.	14	RAP-3070 63 Amer.	26	TPP-88C 57-58 Ply.	13			Koln	8		
NY-3012 63 Chry.	10	Motors	26	TPP-3737 73 Pont.	171			Koln 3898 Above Serial			
NY-3100 63 Chry.	26	RAV-5403/AB	57	TPR-3724 73 Ford, Merc.	171			#Q310001	16		
NY-5101N 65 Chry.	35	RG-59	14	TR-13	4			KV810	17		
NY-8220 68 Chry.	60	RG-59C	14	TR-48AT	25			Manhattan 35150			
OAE-10 60 Olds.	14	RMR-7280	63	TR-0048	25			Series W	43		
OAE-4531 64 Olds.	28	RP-470 60 Amer.	13	TR-7281 Tractor	59			Manhattan 34150			
OE-160 60 Olds.	14	Motors	13	TR-7292	81			Serial #V450001	26		
OE-171AT 61 Olds.	16	RP-481AT 60-61 Amer.	13	TR-7390 Tractor	59			Manhattan 90220	17		
OE-3024 63 Olds.	23	Motors	16	TRE-3534 73 Ford, Merc.	168			New Yorker 34750 From			
OE-3026A 71-73 Olds.	159	RP-519 59 Amer.	13	TRE-4523 74 Ford, Merc.	168			Serial #V765001	34		
OE-4031 64 Olds.	28	Motors	13	TRF-1490 71 Ford, Merc.	131			New Yorker Series X			
OE-5031 65 Olds.	29	RP-3030 63 Amer.	26	TRF-2233 72 Ford, Merc.	131			From Serial			
OE-7162 67 Olds.	60	Motors	26	TRF-3287 73 Ford, Merc.	169			#X1485001	76		
OPA-3390 73 Olds.	175	RP-3097 63 Amer.	23	TRF-3356 73 Ford, Merc.	175			Vienna	26		
OPB-3247 68-73 Kad.	14	RP-151 65 Amer.	29	TRF-4287 74 Ford	169			Wolfsburg 9160 Above			
71-73 Opel 1900	172	Motors	29	TRF-4045 74 Ford	159			Serial #G450001	9		
OPM-1869 71 Olds.	131	RP-8332M 67 Amer.	55	TRM-4824 74 Ford	169			3598	13		
OPM-2215 71-72 Olds.	131	Motors	55	(Pg. 5)	163			9280	13		
OPM-3290 73 Olds.	169	RRX-4446	170	TRP-4724 74 Ford	171						
OPN-3009 68-73 Opel	159	RT-78	13	TRX-4491 74 Ford	170						
OLLE-4501 74 Olds.	168	RT-7D	11	TRX-4647 74 Ford, Merc.	177						
OLL-4290 74 Olds.	169	RUV-7284A	76	TU-6217	58						
OLL-4026 (Sim. to	159	RUV-5406	58	TUN-5	15						
Pg. 5)	159	RVB-6782 (Echomate II)	71	TXC-3449, TXC-3489							
OLP-4702 74 Olds.	171	S-91 58-59 Simca	11	73 Chev.	167						
OLX-4483 74 Olds.	170	S-500 50-51 Stude.	6	TXC-3650 73 Chev.	165						
OMA-3099A 73 Olds.	159	S-551 50-51 (Rev.)	6	SX0-3477, TXO-3479							
OML-4099 74 Olds.	159	Stude.	6	73 Olds.	167						
OPF-3702 73 Olds.	171	SA-529 58-59 Simca	11	TKP-3491B 73 Ford,							
OPF-4271 74 Opel	172	SA-3071 63 Buick	23	Merc.	170						
OPF-4009 (Sim. to	159	SB-3032 63 Buick	23	TKP-3499	167						
Pg. 5)	159	SBP-3033 63 Buick	23	TKR-3491 73 Ford,	167						
OPX-4438 74 Opel	174	SBP-4027 64 Buick	28	Merc.	167						
OPX-4472	170	SBP-7168A 66-67 Buick.	62	TKR-3636 73 Ford,	165						
OXA-3670 73 Olds.	165	SCE-6804	77	Merc.	165						
OXE-3483 73 Olds.	167	SEA-6801	72	UAF-6224	64						
OXE-3632 73 Olds.	165	SEA-9001	99	UAF-6270	94						
P-69	20	SEK-3529 73 Buick	168	UAF-6270L	226						
P-651 51 Ply. (Rev.)	6	SEK-3540 73 Buick	168	UE-4155A	28						
P-4152	27	SEL-9606	74	UE-4171A	28						
P-4652	27	SFB-6802	79	UE-4655A	28						
P-5040 65 Pont.	29	SFK-2258 72 Buick	131	UE-4671A	28						
PA-74R	30	SFK-3279 73 Buick	169	UFM-3089	59						
PA-85	23	SK-3097 73 Buick	159	UFM-3089	59						
PA-3065 63 Ply.	26	SP-1 58-59 Simca	11	UFP-3098	12						
PA-3285	23	SPA-209 58-59 Simca	11	UN-40	22						
PAC-90 60 Pont.	23	SPA-209 58-59 Simca	11	UP-2064P (Sim. to	159						
PAC-3067 63 Pont.	23	SPA-457 64 Buick	28	Pg. 5)	159						
PAC-4529 64 Pont.	28	SPB-5000B Sprite	141	UP-2064T (Sim. to	160						
PAP-4340	29	SPC-5001B Rover	141	Pg. 45)	160						
PAP-69 59 Ply.	15	SPD-5002B Boss	152	UP-2222	60						
PAP-80 60 Ply.	15	SPC-5003 Opus	150	UPX-2354	225						
PAP-3066 63 Ply.	22	SPF-5004B Grand Boss	158	UST-6219	86						
PC-350 60 Olds.	14	SPE-5005B Stokk Boss	147	VAL-4088 74 Ply.	159						
PC-361AT 61 Pont.	16	SPK-3735 73 Buick	171	VAX-4443	170						
PC-3027 63 Pont.	23	SSK-2595	143	VBF-4229 74 VW	172						
PC-3030A 71-73 Pont.	159	SST-1179	145	VBL-4088 74 VW (Pg. 5)	159						
PC-4029 64 Pont.	28	SKX-3471 73 Buick	167	VBX-4416 74 VW	174						
PC-5041 65 Pont.	29	SKX-3673 73 Buick	165	VEE-4505 74 Chev.	168						
PC-7165 67 Pont.	62	TA-3073 63 Olds.	23	VEF-4297 74 Chev.	169						
PEO-3519 73 Ford	168	(Pg. 5)	22	VEL-4004 74 Chev.	159						
PPM-1434 71 Pont.	131	TAC-3051 63 Chev.	22	VEP-4706 74 Chev.	171						
PPM-2208 71-72 Pont.	131	TAC-4541 64 Chev.	28	VEX-4457 74 Chev.	170						
PPM-3092A 63 Pont.	22	TAC-5514N 65 Chev.	37	VFA-1847 71 Chev.	131						
PPM-3094 63 Ply.	22	TAP-3072 63 Buick	23	VFA-2204 71-72 Chev.	131						
PPM-6257 66 Pont.	66	TAP-4526 64 Olds.	28	VFA-3297 71-73 Chev.	169						
PFX-5109 65 Ply.	30	TAX-4542 64 Chev.	28	VFP-3249 73 Volvo	172						
PFX-5109N 65 Ply.	35	TAX-5513N 65 Chev.	37	VGA-3004 71-73 Chev.	159						
PFX-7105 67 Ply.	62	TCM-3011 63 Chev.	22	VOX-4428 74 Volvo	174						
PIE-8206 68 Ply.	62	TCM-4041 Chev.	28	VP-12	12						
PIE-4519 74 Ford	168	TCM-5014 65 Chev.	29	VP-6228 58-67 VW	74						
PIP-4286 (Pg. 21)	169	TCM-5014N 65 Chev.	37	VP-6235 68-69 VW	89						
PIL-4050 74 Ford	159	TCX-3019 (TC5-3049A)	73 Chev.	VPA-280 60 Ply.	15						
PIM-4820 74 Ford	163	TCX-4042 64 Chev.	28	VPA-3076 63 Ply.	22						
(Pg. 5)	163	TCX-5013 65 Chev.	29	VPA-3706 73 Chev.	171						
PIX-4720 74 Ford	173	TCX-5013N 65 Chev.	37	VSC-6767 67 VW	70						
PIX-4495 74 Ford	170	TCX-8274 67-68 Chev.	60	VSF-4233 74 VW	172						
PM-236 53 Ply.	5	TD-2211 70-72 Pont.	131	VSK-4420 74 VW	174						
PMF-1898 71 Ford	131	TDB-4730 74 Olds.	171	VTP-440 60 Ply.	15						
PMF-2235 71-72 Ford	131	TDF-4278 (Pg. 21)	169	VTP-3038 63 Ply.	22						
PMF-335B (APC-1303)	175	TDM-1257 64-69 Dodge	64	VTP-5107 65 Ply.							

BUICK (CONT.)	VOL.	BUICK (CONT.)	VOL.	CADILLAC (CONT.)	VOL.	CHANNEL MASTER	VOL.	CHEVROLET (CONT.)	VOL.	CHEVROLET (CONT.)	VOL.
50HFM1 74 (Pg.103).....	188	7930134 (24BPBT1) 72 ..114		7264185 54	5	6298	227	31BPBK2 73	145	985875 64	24
50HFP1/PKL 75	188	7930134 (24BPBT2) 72 ..128		7265825 55	6	6299	226	31BPBT1 73	139	985876 64	23
(Pg.103)	191	7930134 (34BPBT1) 73 ..138		7265845 55	6	6317	103	31PFMT1 (Pg.19)	75	985877 64	24
50HPBT1 75	220	7930144 (14BPFM1) 71 .. 98		7266505 56	6	6318	142	31FPBT1 (Pg.57)	74	985891 64	24
51XFM1 75	191	7930144 (24BPM1) 72 ..120		7266535 56	6	6376	189	31TPB1 (Pg.47)	124	985921 64	24
51XFM1/T2 75	192	7930144 (24BPM2) 72 ..120		7268005 57	7	6378	187	31TTCP1 (Pg.47)	124	985957 64	24
51XFP1, 51XFPK1 75	189	7930224 (24BPB1) 72 ..117		7268035 57	7	6382	188	31XFM1 (Pg.29)	109	985958 64	23
51XPB1 75	186	7930234 (14BFP1) 71 .. 96		7268085 58	8	6383	185	31XFP1 (Pg.25)	127	986096 65	29
51XPB2/BK2	217	7930234 (24BFP1) 72 ..110		7270405 58	8	6385	223	31XFM1 (Pg.25)	127	986099 65	29
51XPBK1 75	186	7930244 (14BPM1) 71 .. 102		7270555 58	8	6540	224	31XPBK1 (Pg.47)	124	986101 65	29
51XPBT1/75	193	7930244 (24BPM1) 72 ..113		7272505 59	10	6541	221	31YFM1 (Pg.25)	128	986113 65	29
54BPM1/M2 75	189	7930244 (24BPB2) 72 ..125		7274905 60	12	6542	35	31YFM1 (Pg.25)	127	986116 65	38
54BPP1, 54BPPK1 75	188	7933241 75	217	7274925 60	12	6543	35	41APB1	165	986118 66	36
60APB1/BK1 76 (Pg.29)	192	7933241 (51XPB1) 75 .. 186		7276605 61	16			41APB1 74	165	986201 65	31
60BPM1 76 (Pg.13)	189	7933261 75	189	7279615 62	18			41BPM1 74	174	986202 65	31
60BFP1/PK1 76 (Pg.21)	188	7933261 75	191	7281225 62	18			41BPM2 74	169	986203 65	31
60BPM1/PK1 76 (Pg.29)	192	7933271 75	193	7282395 63	19			41BPM1 74	171	986204 65	31
60HFM1 76 (Pg.57)	221	7933401 75	217	7283295 63	20			41BFP1/K1	165	986205 65	31
60HFM1/T2 76	221	7933501 75	186	7283295 63	20			41BPM1 74	168	986206 65	31
60HFP1 76 (Pg.27)	186	7933501 75	188	7283295 63	20			41BPM1 74	165	986207 65	31
60HBP1/BK1 76 (Pg.65)	187	7933501 75	189	7283295 63	20			41BPM1 74	165	986208 65	31
60HBP1/T2 76	220	7935004 (34APB2) 73 ..144		7283295 63	20			41BPM1 74	165	986209 65	31
60HFM1 76 (Pg.85)	191	7935004 (44APB1) 74 ..171		7283295 63	20			41BPM1 74	165	986210 65	31
60XFP1/PK1 76 (Pg.85)	189	7935014 (34AFP1) 73 ..140		7283295 63	20			41BPM1 74	165	986211 65	31
60XPB1/BK1 76 (Pg.87)	186	7935014 (44AFP1) 74 ..170		7283295 63	20			41BPM1 74	165	986212 65	31
61HFM2 (Sim. to Pg.47)	221	7935024 (34AFM1) 73 ..142		7283295 63	20			41BPM1 74	165	986213 65	31
94AFP1 69	70	7935024 (44AFM1) 74 ..175		7283295 63	20			41BPM1 74	165	986214 65	31
94APB1 67	61	7935024 (44AFM2) 74 ..172		7283295 63	20			41BPM1 74	165	986215 65	31
94BPM1/EFM1 69	67	7935034 (34APB1) 73 ..138		7283295 63	20			41BPM1 74	165	986216 65	31
94BPM2/EFM2 69	67	7935034 (44APB1) 74 ..171		7283295 63	20			41BPM1 74	165	986217 65	31
94BPP1 69	70	7935044 (34AFP1) 73 ..140		7283295 63	20			41BPM1 74	165	986218 65	31
94BPP2 69	62	7935044 (44AFP1) 74 ..170		7283295 63	20			41BPM1 74	165	986219 65	31
94BT41 69	68	7935044 (34AFP2) 73 ..143		7283295 63	20			41BPM1 74	165	986220 65	31
94EFP1 69	70	7935374 72	112	7283295 63	20			41BPM1 74	165	986221 65	31
94EFP2 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986222 65	31
94EFP3 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986223 65	31
94EFP4 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986224 65	31
94EFP5 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986225 65	31
94EFP6 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986226 65	31
94EFP7 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986227 65	31
94EFP8 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986228 65	31
94EFP9 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986229 65	31
94EFP10 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986230 65	31
94EFP11 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986231 65	31
94EFP12 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986232 65	31
94EFP13 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986233 65	31
94EFP14 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986234 65	31
94EFP15 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986235 65	31
94EFP16 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986236 65	31
94EFP17 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986237 65	31
94EFP18 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986238 65	31
94EFP19 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986239 65	31
94EFP20 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986240 65	31
94EFP21 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986241 65	31
94EFP22 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986242 65	31
94EFP23 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986243 65	31
94EFP24 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986244 65	31
94EFP25 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986245 65	31
94EFP26 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986246 65	31
94EFP27 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986247 65	31
94EFP28 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986248 65	31
94EFP29 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986249 65	31
94EFP30 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986250 65	31
94EFP31 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986251 65	31
94EFP32 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986252 65	31
94EFP33 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986253 65	31
94EFP34 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986254 65	31
94EFP35 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986255 65	31
94EFP36 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986256 65	31
94EFP37 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986257 65	31
94EFP38 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986258 65	31
94EFP39 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986259 65	31
94EFP40 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986260 65	31
94EFP41 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986261 65	31
94EFP42 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986262 65	31
94EFP43 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986263 65	31
94EFP44 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986264 65	31
94EFP45 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986265 65	31
94EFP46 69	62	7935814 (44APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986266 65	31
94EFP47 69	62	7935814 (34APBK1) 73 ..139		7283295 63	20			41BPM1 74	165	986267 65	31
94EFP48 69	62	7935814 (34APBK2) 73 ..144		7283295 63	20			41BPM1 74	165	986268 65	31
94EFP49 69	62	7935814 (44APBK1) 74 ..171		7283295 63	20			41BPM1 74	165	986269 65	31
94EFP50 69	62	7935814 (34APBK2) 73 ..144									

CHEVROLET (CONT.)	VOL.	CHEVROLET (CONT.)	VOL.	CHRYSLER (CONT.)	VOL.	CRAIG (CONT.)	VOL.	DODGE (CONT.)	VOL.	DODGE (CONT.)	VOL.
7305311A 68	55	7936601 72	112	2884631 69	61	3116	95	1DC2002 70	84	2884756 (CF75603) 70..	88
7305441 68	48	7936721 72	127	2884633 (B9MC) 69	65	3117	89	1DP2010 70	109	2884757 70	93
7305451 68	49	7937571 (21VFP1) 72..	117	2884633 (1CH4007) 70	90	3119	89	1DP2002 68	67	2884759 (0BBJ, 1BBJ)	70-71
7305841 (11TPB1) 71	96	7937571 (21VFP2) 72..	127	2884649 70	92	3120	83	1DT1214 72	135	2884759 (ZPD1212) 72	128
7305841 75	217	7937571 (21VFP2) 72..	127	2884750 70	94	3121	83	1DT1215 72	135	2884759 (ZPD1315) 73, 157	89
7305841 (21TPB) 72	110	7939071 (31BPM1) 73..	139	2884752 70	128	3122	83	1DT1244 72	135	2884759 (ZPD1315) 73, 157	89
7305841 (21TPB2) 72	124	7939071 (41BPM1) 74..	166	2884752 70	128	3123	83	1DT1316 73	153	2884759 (ZPD1315) 73, 157	89
7305841 (41SVPB1) 74..	167	7939071 (51BPM1/T2)	188	2884753 70	84	3124	106	1DT1317 73	154	2884759 (ZPD1315) 73, 157	89
7305841 (51SVPB1) 75..	186	75	188	2884754 70	84	3125	106	1DT1336 73	153	2884759 (ZPD1315) 73, 157	89
7306121 68	58	7939071 (51BPM1/T2)	188	2884754 70	84	3126	106	1DT1919 70	87	2884759 (ZPD1315) 73, 157	89
7306361 68	55	7939081 (31BPM2) 73..	142	2884758 70	81	3127	117	1DT2214 72	133	2884759 (ZPD1315) 73, 157	89
7307121 68	51	7939081 (31BPM1) 73..	151	2884759 72	128	3128	117	1DT2314 73	159	2884759 (ZPD1315) 73, 157	89
7307801 (Sim. to Pg. 51)	44	7939081 (41BPM1) 74..	171	2884844 70	87	3129	117	1DP1207 72	131	2884759 (ZPD1315) 73, 157	89
7307811 (Sim. to Pg. 41)	48	7939081 (51BPM1/T2)	189	2884847 69	77	3130	108	1DP1208 72	131	2884759 (ZPD1315) 73, 157	89
7307821 (Sim. to Pg. 41)	48	75	189	2884874 70	77	3131	108	1DP1209 72	131	2884759 (ZPD1315) 73, 157	89
7307831 (Sim. to Pg. 42)	49	7939081 (51BPM1/T2)	189	2884875 70	77	3132	108	1DP1211 72	131	2884759 (ZPD1315) 73, 157	89
7307841 (Sim. to Pg. 22)	49	9343051 75	189	2884876 70	77	3133	108	1DP1212 72	131	2884759 (ZPD1315) 73, 157	89
7307851 (Sim. to Pg. 41)	48	9343061 75	189	3420560 70	108	3134	108	1DP1213 72	131	2884759 (ZPD1315) 73, 157	89
7307861 (Sim. to Pg. 22)	49	9344651 75	189	3420560 69	68	3135	108	1DP1214 72	131	2884759 (ZPD1315) 73, 157	89
7308211 69	68	9344651 75	189	3420560 69	68	3136	108	1DP1215 72	131	2884759 (ZPD1315) 73, 157	89
7313091 70	70	9345270 (Pg. 103)	191	3420560 69	68	3137	108	1DP1216 72	131	2884759 (ZPD1315) 73, 157	89
7313971 (11BPT1) 71..	97	9345280 (Pg. 103)	191	3420560 69	68	3138	108	1DP1217 72	131	2884759 (ZPD1315) 73, 157	89
7314201 (11BPT2) 71..	97	9345290 (Pg. 103)	188	3420560 69	68	3139	108	1DP1218 72	131	2884759 (ZPD1315) 73, 157	89
7314201 (21BPT1) 72..	120	9347740 76	221	3420560 69	68	3140	108	1DP1219 72	131	2884759 (ZPD1315) 73, 157	89
7314201 (21BPT2) 72..	120	9347980 75-76	220	3420560 69	68	3141	108	1DP1220 72	131	2884759 (ZPD1315) 73, 157	89
7314201 (31BPT1) 73..	145	9348311 76	217	3420560 69	68	3142	108	1DP1221 72	131	2884759 (ZPD1315) 73, 157	89
7314201 (41BPT1) 74..	165	9348321 76	217	3420560 69	68	3143	108	1DP1222 72	131	2884759 (ZPD1315) 73, 157	89
7314201 (51BPT1) 75..	187	9348341 76	218	3420560 69	68	3144	108	1DP1223 72	131	2884759 (ZPD1315) 73, 157	89
7314211 (11BPM1/M2) 71..	101	9433061 75	217	3501013 73 (Sim. to Pg. 73)	122	3145	108	1DP1224 72	131	2884759 (ZPD1315) 73, 157	89
7314211 (21BPM1) 72..	114			3501013 73 (Sim. to Pg. 73)	122	3146	108	1DP1225 72	131	2884759 (ZPD1315) 73, 157	89
7314211 (31BPM1)				3501045 71	105	3147	108	1DP1226 72	131	2884759 (ZPD1315) 73, 157	89
7314211 (41BPM1)				3501045 71	105	3148	108	1DP1227 72	131	2884759 (ZPD1315) 73, 157	89
7314211 (51BPM1/M2) 75..	191			3501059 71	105	3149	108	1DP1228 72	131	2884759 (ZPD1315) 73, 157	89
7314221 71	93			3501156 72	128	3150	108	1DP1229 72	131	2884759 (ZPD1315) 73, 157	89
7314291 71	104			3501156 72	128	3151	108	1DP1230 72	131	2884759 (ZPD1315) 73, 157	89
7895851-1 (Sim. to Pg. 47)	221			3501163 (1CH1210, 2CH1210) 72	136	3152	108	1DP1231 72	131	2884759 (ZPD1315) 73, 157	89
7896001 (Sim. to Pg. 47)	221			3501163 (1CH1314) 73	157	3153	108	1DP1232 72	131	2884759 (ZPD1315) 73, 157	89
7930061 72	115			3501164 (18BPM1) 71	98	3154	108	1DP1233 72	131	2884759 (ZPD1315) 73, 157	89
7930121 (11BPM1) 71..	105			3501164 (28BPM1) 72	109	3155	108	1DP1234 72	131	2884759 (ZPD1315) 73, 157	89
7930121 (21BPM1) 72..	118			3501164 (39BPM1/7313966) 73	147	3156	108	1DP1235 72	131	2884759 (ZPD1315) 73, 157	89
7930161 71	115			3501165 71	108	3157	108	1DP1236 72	131	2884759 (ZPD1315) 73, 157	89
7930361 71	102			3501166 71	104	3158	108	1DP1237 72	131	2884759 (ZPD1315) 73, 157	89
7933241 (11APB1) 71..	96			3501167 71	106	3159	108	1DP1238 72	131	2884759 (ZPD1315) 73, 157	89
7933241 (21APB1) 72..	124			3501231 74	179	3160	108	1DP1239 72	131	2884759 (ZPD1315) 73, 157	89
7933241 (41XPB1) 74..	167			3501232/33/34/35 74	181	3161	108	1DP1240 72	131	2884759 (ZPD1315) 73, 157	89
7933241 75	217			3501237 74	179	3162	108	1DP1241 72	131	2884759 (ZPD1315) 73, 157	89
7933241 (51XPB2) 75..	186			3501238 74	176	3163	108	1DP1242 72	131	2884759 (ZPD1315) 73, 157	89
7933251 (11AFP1) 71..	104			3501240 (1CH2401, 2CH2401) 74	181	3164	108	1DP1243 72	131	2884759 (ZPD1315) 73, 157	89
7933251 (21AFP1) 72..	117			3501240 (1CH3507, 2CH3507) 75	195	3165	108	1DP1244 72	131	2884759 (ZPD1315) 73, 157	89
7933251 (21AFP2/P3) 72..	127			3501240 75	195	3166	108	1DP1245 72	131	2884759 (ZPD1315) 73, 157	89
7933251 (51XFP1/PK1)				3501240 75	195	3167	108	1DP1246 72	131	2884759 (ZPD1315) 73, 157	89
7933261 (11APM1) 71..	100			3501329 (1CH4402, 1CH4402) 74	180	3168	108	1DP1247 72	131	2884759 (ZPD1315) 73, 157	89
7933261 (21APM1) 72..	109			3501329 (1CH4508, 1CH4508) 75	192	3169	108	1DP1248 72	131	2884759 (ZPD1315) 73, 157	89
7933261 (51APM1) 75..	191			3501504 (1CL206) 72	133	3170	108	1DP1249 72	131	2884759 (ZPD1315) 73, 157	89
7933271 (21APM1) 72..	74			3501504 (1CL2311) 73	155	3171	108	1DP1250 72	131	2884759 (ZPD1315) 73, 157	89
7933271 (51XPM1/T2)				3501504 (1CL2311) 73	155	3172	108	1DP1251 72	131	2884759 (ZPD1315) 73, 157	89
7933281 (21APM1)				3501531 72	153	3173	108	1DP1252 72	131	2884759 (ZPD1315) 73, 157	89
7933281 (21APM1/T2)				3501622 75	196	3174	108	1DP1253 72	131	2884759 (ZPD1315) 73, 157	89
7933291 (11BPMK2) 71..	97			3501623 75	194	3175	108	1DP1254 72	131	2884759 (ZPD1315) 73, 157	89
7933291 (21BPMK2) 72..	120			7313966 73	147	3176	108	1DP1255 72	131	2884759 (ZPD1315) 73, 157	89
7933291 (31BPMK1) 73..	137					3177	108	1DP1256 72	131	2884759 (ZPD1315) 73, 157	89
7933291 (31BPMK2) 73..	145					3178	108	1DP1257 72	131	2884759 (ZPD1315) 73, 157	89
7933291 (41BPMK1) 74..	165					3179	108	1DP1258 72	131	2884759 (ZPD1315) 73, 157	89
7933291 (51BPMK1) 75..	187					3180	108	1DP1259 72	131	2884759 (ZPD1315) 73, 157	89
7933301 (11BFP3/PK3)						3181	108	1DP1260 72	131	2884759 (ZPD1315) 73, 157	89
7933301 (21BFPK1) 72..	113					3182	108	1DP1261 72	131	2884759 (ZPD1315) 73, 157	89
7933301 (31BFPK1) 73..	138					3183	108	1DP1262 72	131	2884759 (ZPD1315) 73, 157	89
7933301 (41BFPK1) 74..	168					3184	108	1DP1263 72	131	2884759 (ZPD1315) 73, 157	89
7933301 (51BFPK1) 75..	186					3185	108	1DP1264 72	131	2884759 (ZPD1315) 73, 157	89
7933401 75	217					3186	108	1DP1265 72	131	2884759 (ZPD1315) 73, 157	89
7933501 (21APBK2) 72..	124					3187	108	1DP1266 72	131	2884759 (ZPD1315) 73, 157	89
7933501 (41XPBK1) 74..	167					3188	108	1DP1267 72	131	2884759 (ZPD1315) 73, 157	89
7933501 (51XPBK1) 75..	186					3189	108	1DP1268 72	131	2884759 (ZPD1315) 73, 157	89
7933511 (21AFPK1) 72..	117					3190	108	1DP1269 72	131	2884759 (ZPD1315) 73, 157	89
7933511 (21AFPK2/K3)						3191	108	1DP1270 72	131	2884759 (ZPD1315) 73, 157	89
7933511 (51XFPK1) 75..	189					3192	108	1DP1271 72	131	2884759 (ZPD1315) 73, 157	89
7933641 (11HPB2) 71..	97					3193	108	1DP1272 72	131	2884759 (ZPD1315) 73, 157	89
7933641 (21HPB1) 72..	112					3194	108	1DP1273 72	131	2884759 (ZPD1	

FIRESTONE (CONT.)	VOL.	FORD (CONT.)	VOL.	FORD (CONT.)	VOL.	FORD (CONT.)	VOL.	GMC (CONT.)	VOL.	HOFFMAN	VOL.
3-D-5 Code 120-MU-		D4AA-19A241AA 74	174	04MF 60	12	6TBU 66, 67	41	26T7411 72	112	769	28
60B	19	D4AA-18806AA 74	171	04MH 60	12	6TBW 66, 67 (LP)	41	35RRT1 73 (PCB AR-151)175	175	769 (Rev.)	31
3-D-6 Code 120-1-RG1.	21	D4BJ-18810AA 74	172	1B7B 71 (Sim. to	59	6TBM 67 & 69	59	35TTP1 (Pg.25)	127		
3-D-6 Code 120-3-P69.	21	D4DA-19A171-BA 74	178	Pg. 51)	59	6TBF 66	36	35TRMP1 (Pg.47)	124		
3-D-6A	27	D4HA-18806AA 74	170	1B7F 71 (Sim. to	115	6TPE 66	36	35TTC1 (Pg.47)	124		
3-D-7 Code 120-3-DUP-		D4HA-18810AA 74	172	1B7T 71 (Sim. to	59	6TFF 66	36	41BPM1 74	167		
42	21	D4HA-18810-BA 74	172	Pg. 51)	59	6TGF 66	36	41BPM2 74	169		
3-D-8	23	D4TA-19A241AA 74	174	1B7W 71 (Sim. to	59	6TGP 66	36	41BPM3 74	169		
3-D-15	27	D4TA-18806AA 74	171	Pg. 51)	59	6TJZ 66	36	41BPM4 74	167		
4-B-69 Tractor	5	D4TA-18806BA 74	170	1F1RAM4 74	178	7TBT 67	42	45RPM1 74 (PCB AR151)175	175		
4-B-71 53 Ply.	4	D4TA-18810AA 74	172	1F2RFM4 74	178	7TDF 67	43	45RPM2 74 (Pg.25)	127		
4-B-72 53 Ford.	4	D4UA-18806AA 74	170	1F3R0X4 74	180	7TFF 67	41	45TPB1, 45TTC1 74	167		
4-B-76 54 Ford.	4	DSAA-19A168-BA 75	186	1FBF 71	94	7TPO 67	41	55TFP1 75	189		
4-B-76 55 Ford.	6	DSAA-19A168-BD 76	222	1FB0 71	94	7TTP 67	41	55TPB1 75	186		
4-B-77 55 Ford.	5	DSAA-19A241 76 (Sim.	188	1FB00 71	98	7TZP 67	41	55TPB2	217		
4-B-78 55 Ply.	6	to Pg. 61)	188	1FB0X 71	98	8BTBL 68	56	55TTC1 75	186		
		DSDA-19A168-AA 75	199	1FBSS 71	100	8BTBLM 68	56	55TTC2 75	217		
		DSDA-19A171-AB 75	200	1FBX 71	100	8BTBU 68	56	60APBK1 76 (Pg.29)	192		
		DSHA-18810AA 76 (Sim.	172	1FBTP 71	94	8TMF 68	52	60HPM1 76 (Pg.57)	191		
		to Pg. 49)	172	1FBTRP 71	98	8TPE 68	48	60HPM1/BK1 76 (Pg.65)	187		
		DSMA-19A168AA 76 (Sim.	186	1FBTPX	98	8TPE 68	48	65SDPB1 76 (Pg.87)	186		
		to Pg.55)	186	1FBZ 71	94	8TPE 68	48	65TCP1 76 (Pg.85)	189		
		DSSA-19A168 75	186	1FBZ 71	98	8TPE 68 (LP)	48	65TCP2 76 (Pg.87)	186		
		DSSA-19A241 75	188	1FBZ 71	98	8TPE 68 (EP)	48	86T7431 68	73		
		D6BA-19A168-BD 76	222	1FD2507 75	200	9FBF 69	73	91TPB1 69 Truck	59		
		D6BA-19A242-AA 76	223	1FD4013 71	104	9FB0 69	64	96T7411 69	73		
		D6DA-19A171 76	226	1FD4217 72	135	9FB8 69	64	96T7412 69	73		
		D6DA-18806AA 76	221	1FD4302 73	155	9FB9 69	64	96TTC1 69	69		
		D6EA-19A171 76	226	1FD4505 76	222	9TBLT/TL 69 (Sim.	56	223398	9		
		D6TA-19A241 76 (Sim.	188	1FD4510 75	199	to Pg.26)	56	2233850 60	13		
		to Pg. 61)	188	1FD4511 76	222	9TBU 69 (Sim. to	56	2233944 61	16		
		D6TA-18806AB 76 (Sim.	171	1FD4607 76	223	Pg. 26)	56	2233984 62	18		
		to Pg.85)	171	1FD4608 76	223	12BD 61	14	2234003 63	20		
		D8MF 69	53	1FD5001 70	80	12BF 61	14	2234040 64	24		
		D9MF 69	53	1FD5003 70	87	12BT 61	14	2234086 64	24		
		D12A-18806 71	94	1FD5101 71	106	12BU 61	14	7291556 65	29		
		D20A-19A241 72	127	1MA2119 71	108	14BF 61	30	7291576 65	29		
		D20A-18806 72	122	1MA2233 72	133	14BM 61	30	7293806 66	36		
		D22A-19A171-AA 72	133	1MA2400 74	86	22BD 62	18	7293806 67	44		
		D22A-18806 72	125	1M24218 72	135	22BO 62	18	7293816 66	36		
		D27J-18806 73	138	1M24304 73	153	24MF 62	17	7297526 66	36		
		D27J-18806 75 (Sim.	171	1M24372 72	133	24MF 62	17	7297526 67	44		
		to Pg. 85)	171	1PN2120 71	108	66MFP 56	6	7298501 67	44		
		D32A-19A171-AA 73	178	1PN2216 72	133	69MF 56	6	7301466 71	104		
		D32A-19A241 73	137	1PN-2318 73	178	69MS 56	6	7305516 (96TTC1) 69	69		
		D32A-18806 73	136	1PN-2411 74	179	74BF 57	8	7305516 (16TTC1) 71	96		
		D40A-19A241-AA 74	180	1PN2513 75	200	74BT 57	8	7305516 (26TTC1) 72	110		
		D42A-19A171-AB 74	179	1PN4605 76	223	74MF 57	8	7305516 (26TTC2) 72	124		
		D42A-18806AB 74	170	1TB4008 70	84	75BF 57	7	7305841 68	51		
		D44A-18806-AA 74	178	1TB4211 72	135	75MF 57	7	7306686 68	51		
		DSAA-19A168-AA 75	199	1TMC 61	15	76MF 57	7	7306696 68	51		
		DS2-19A171-BA 75	200	1TMS 61	15	78MF 57	8	7307456 71	97		
		DS2A-19A241 74-75	174	2BTT 72 (Sim. to	114	79MS 57	7	7308166 68-69	73		
		ED-D1QA-19A241 71	98	2BTT 72 (Sim. to	114	84BF 58	8	7308166 (16T7411) 71	97		
		ED-D1SA-19A241 71	100	Pg. 51)	59	84BT 58	8	7308166 (26T7411) 72	112		
		ED-D1TA-19A241 71	98	2FBF, 2FBFAK 72	127	84MS 58	8	7314211 (41BPM2) 74	169		
		ED-D1ZA-19A241 71	98	2FBZ 72	127	84MS 58	8	7314211 (41BPM1) 74	174		
		ED1-D1QA-19A241 71	94	2FBT, 2FBTPAC 72	126	86MF 58	8	7931466 (26TFP1) 72	117		
		ED1-D1SA-19A241 71	100	2FBZ 72	127	94BF 59	10	7931466 (26TCF2) 72	127		
		ED1-D1TA-19A241 71	98	2FD3 71	104	94BT 59	11	7931466 (55TFP1) 75	189		
		ED1-D1ZA-19A241 71	98	2FD4103 71	104	94MF 59	10	7931766	217		
		F3TBF 63	20	2FD4607 76	223	94MFM 59	10	7931766 (16TRMP1) 71	96		
		F3TBS 63	20	2FD4608 76	223	94MS 59	11	7931766 (26TRMP1) 72	110		
		F4TFB 64	24	2M24101 71	102	95MF 59	10	7931766 (45TPB1) 74	167		
		F4TBS 64	24	2TBA109 71	102			7931766 (55TPB1) 75	186		
		F5TBF 65	32	2TBT 72	114	FULTONE		7932321 74	165		
		F5TBD 66	39	2TMT 62	18	737	198	9303096	217		
		F5TBF 66	39	2TMC 62	18			9343020 74	167		
		F5TBF 66	39	3MF 53	4			9343026 75	186		
		F7TBF 67	46	3MFT 53	4			9343061 74	167		
		F7TBS 67	46	3SF755 53	9						
		F7TBF 67	46	3TBD 63	19						
		F8TBF 68	54	3TBO 63	19						
		F8TBO 68	54	3TMC 63	23						
		F8TBS 68	58	4BF 54 (See Model M4B)	4						
		F8TBZ 68	54	4MF 54	5						
		F9BZ 69	64	4SF765 54	5						
		M7TB 67	46	4TBD 64	23						
		M7BS 67	46	4TBO 64	26						
		RV2F	19	4TBT 64	26						
		RV4D-N5	30	4TBU 64	26						
		RV4D-N5	30	4TBE 64	26						
		RV4F 64	24	4TBF 64-65	32						
		RV6F 75 65/66	30	4TDF 64	23						
		T6SMF 66	35	4TMS 64	23						
		T6SMS 66	35	4TMS F 64	23						
		T6SMZ 66	35	5BF 55	5						
		T7SMF 67	45	5F1RAM4 74	178						
		T7SMH/A 67	45	5F2RFM4 74	178						
		T7SMH/F 67	45	5F3R0X4 74	180						
		T7SMH/N 67	45	5FD2507 75	200						
		T7SMS 67	45	5PD4510 75	199						
		T7SMZ 66	45	5MF 55	5						
		T8MF 68	51	5MFS/58 55	5						
		T8MS 68	53	5PN2318 73	178						
		T8MZ 68	51	5PN2411 74	179						
		T9MS 69	62	5PN2513 75	200						
		T9MZ 69	66	5TBF 65	28						
		T9TBE 74	181	5TBO 65	28						
		T9TBS 65	32	5TBT 65	33						
		T9TBD 66	39	5TBU 65	33						
		T9TBF 70 (Sim. to	59	5TDF 65	28						
		Pg. 51)	59	5TMS/SF	65						
		T9TBO 70 (Sim. to	59	5TMC 65	28						
		Pg. 51)	59	5TMD 65	28						
		T9TBT 70 (Sim. to	59	5TPE 65	28						
		Pg. 51)	59	5TPZ 65	28						
		T9TBU 70 (Sim. to	59	6A-D6DA-19A171 76	226						
		Pg. 51)	59	6A-D6EA-18806AA 76	221						
		T9TBD 70 (Sim. to	59	6A-D6EA-19A171 76</							

JCPenney (CONT.)	VOL.	JOHN DEERE (CONT.)	VOL.	LEAR JET (CONT.)	VOL.	MASTERWORK	VOL.	MERCURY (CONT.)	VOL.	MERCURY (CONT.)	VOL.
981-0103	195	AR60083	158	R-925	181	MB200	72	D8MF 68	53	22BM 62	18
981-0105	121	OBTJD 70	78	R-945	177	MAZDA		D44A-18806-AA 74	170	24ME/62 (Pg. 85)	17
981-0110	193	1AR4231	110	LINCOLN				D52A-19A241 75	178	73EB-18K810-AA 73	153
981-0115	141	1BDJD 71	113					E6TMN 66	35	77BM 57	7
981-0140	196	1LJ1229	161	C8VY-18805B5 68	71	1M1418 (74)	215	ED-D1GA-19A241 71	97	78BM 57	7
981-0161	164	1JDL243	158	C9LA-19A241-B 69	80	2M1418 (74)	215	ED-D1GA-19A241 71	97	84BM 58	8
981-0165	137	1JDL245	158	C9LA-19A242-B 69	66	5M1418 (74)	215	ED-D1GA-19A241 71	97	85BM 58	8
981-0166 (Sim. to Pg. 79)	137	55KUD	53	C9VA-19A241 69	71	19842A91 (74)	215	ED-D1GA-19A241 71	97	94PM 59	12
981-0180	166	7BT 67	43	C9LA-18806-C 69	66	MEDALLION		EFSTBM 65	38	95PM 59	11
981-1373	194	78TX 67	49	C9LT-18805-B 69	66			EFSTBM 66	38		
981-1506	166	79MJUD 71	110	C9VA-19A241 69	71			F3TBM 63	21		
981-1514 (Sim. to Pg. 79)	137	K MART		C9VA-19A246 69	71	65-201	124	F4TBE 64	24	MERCURY RECORDS	
981-2230	194	K200	211	DOLA-19A241 70	94	65-202	124	F4TBM 64	24	AP-8300	57
981-4021	30	Ch. 100007-217	211	DOLA-19A242 70	92	65-203	121	F5TBE 65	34		
981-4031	30			DOLA-19A242 (OFBL) 70	75	65-206	101	F5TBM 65	34		
981-5225	125	KARADIO		DOVA-19A241 (OFBL) 70	75	65-212	96	F6TBM 66	38		
981-5937	196	M800	4	DOLA-18806 70	84	65-231	104	F7TBM 67	47	METRAVOX	
981-7479	164			DOVA-19A242-E(-185)70 108		65-241	102	F8TBM 68	56	Sutton RA144	20
981-7553	193			D1LA-19A242-AA 71	104	65-302	159	F8TBM 68	56	Sutton RA155	21
982-0093	30	KARMANN G11A (See Volkswagen)		D1LA-18806 71	98	65-303	160	F8TBZ 68	56		
984-8227	29			D1VA-19A241 71	97	65-304	155	F9BZ 69	64		
984-8243	29			D1VA-19A242-AA 71	102	65-306	160	M7TB 67	47		
985-2757	195	KENWORTH		D2DA-19A241 72	127	65-314	155	M-5841 58	9	MG	
985-6907	141			D2SA-19A242-AH 72	135	65-320	199	OFBA 70	81	HAC700 4TMB	30
985-8341	30			(Pg. 57)	135	65-406	185	OFBA 70	81		
985-8358	29			D2VA-19A242-AD 72	135	65-412	186	OFBM 70	85		
985-8374	30			D2VA-19A242-AD 72	135	65-414	188	OFBN 70	81	MG	
985-8390	30			(Pg. 57)	135	65-482	103	R2TBM 62	20	AR-615SG-L	117
2230	194			D2VA-18806 72	126	65-484	103	T6SMN 66	35	AR-615SGBL 72	
3104	29			D3AA-19A168-AD 73	155	65-486	123	T7SMN/A 67	45	Dodge	117
3108 58-63 VW	29			D3AA-19A241 73	137	65-490	207	T7SMN/F 67	45	ARA-10L	117
3114 63 Ford	29	KINEMATIX		D3VA-19168-AC 73	155	65-501A	121	T7SMN/G 67	45	ARA-10L	117
3118	30			D4AA-19A168-AA 74	183	65-501B	150	T7SMN/H 67	45	ARA-10L	117
3120 58-63 VW	29	Verba-Matix	27	D4AA-19A168-BA 74	181	65-502	123	T7SMN/I 67	45	MIDLAND	
3121	30	Verba-Mite VX-700	42	D4AA-19A241AA 74	174	65-505	119	T8MM 68	54	65-200	40
3122	30	KRACO		D4AA-18806AA 74	171	65-506	123	T8MZ 68	54	65-210 12 Transistor	40
3129	30			D4VA-19A168-AA 74	183	65-509	157	T9MM 69	58	65-210 12 Transistor	40
3138	29			D4VA-19A241AA 74	174	65-516	200	T9MM 69	58	65-210 12 Transistor	40
3143	29	KID-550	161	D4VA-18806BA 74	171	65-528	149	T9MM 69	58	65-210 12 Transistor	40
3144	29	KID-560A	204	D5SA-19A168 75	186	65-531	163	T9MM 69	58	65-210 12 Transistor	40
3146	30	KID-570A	205	D5SA-19A241 75	188	65-532	178	T9MM 69	58	65-210 12 Transistor	40
3151	30	KIS-444	166	D5VA-19A168 75	186	65-534	178	T9MM 69	58	65-210 12 Transistor	40
3160 64 Chev.	29	KQ-600	173	D5VA-19A241 75	188	65-540	161	T9MM 69	58	65-210 12 Transistor	40
3161 63-64 Chev.	29	KR-1100	159	D8ML 68	56	65-550	158	T9MM 69	58	65-210 12 Transistor	40
3162 63-64 Chev.	29	KR-1110	163	D2DA-18806 72	122	65-562	165	T9MM 69	58	65-210 12 Transistor	40
3163 64 Merc.	30	KR-1120	160	D2DA-18806 73	138	65-566	208	T9MM 69	58	65-210 12 Transistor	40
3168 64 Ford	30	KR-1130	162	F3TBC 63	21	65-566	208	T9MM 69	58	65-210 12 Transistor	40
3169 64 Ford	30	KR-1220	203	F4TBC 64	25	65-566	208	T9MM 69	58	65-210 12 Transistor	40
3170 64 Ford	30	KR-1230	209	F6TDC 66	40	65-576	199	T9MM 69	58	65-210 12 Transistor	40
3171 64 Olds.	29	KS-340	197	F8TBC 68	71	65-589	202	T9MM 69	58	65-210 12 Transistor	40
3172 64 Ford	30	KS-400C	167	F8UBX 68	61			T9MM 69	58	65-210 12 Transistor	40
3173 64 Merc.	30	KS-400C (Adam II)	210	F14TBC 64	25	MERCURY (Also See Ford)		T9MM 69	58	65-210 12 Transistor	40
3174 64 Olds.	29	KS-425	141	TOBSTBC 65	33	C80A-19A049E 71	106	T9MM 69	58	65-210 12 Transistor	40
3176 63-64 Pont.	29	KS-440	200	T6SMC 66	36	C9AA-19A127C 70	80	T9MM 69	58	65-210 12 Transistor	40
3179 64 Pont.	29	KS-450	168	T7SMC/C 67	45	C9AA-19A241 69	78	T9MM 69	58	65-210 12 Transistor	40
3180 64 Chev.	29	KS-480	207	T8ML 68	52	C9AA-19A242 69	85	T9MM 69	58	65-210 12 Transistor	40
3181 60-64 Chev.	29	KS-555	169	T8ML 68	52	DOGA-19A241 70	81	T9MM 69	58	65-210 12 Transistor	40
3182 63-64 Chev.	29	KS-666B	165	T9M1 69	69	DOMA-19A242 70	85	T9MM 69	58	65-210 12 Transistor	40
		KS-690	199	T9M2 69	66	DOMA-18806 70	77	T9MM 69	58	65-210 12 Transistor	40
		(Marquis M-750)	143	T9M3 69	66	DOMY-18805B 70	85	T9MM 69	58	65-210 12 Transistor	40
		KS-800	173	T9M4 69	66	DORJ-19A241A 71	109	T9MM 69	58	65-210 12 Transistor	40
		KS-890	171	T9M5 69	66	DORJ-18806A 71	102	T9MM 69	58	65-210 12 Transistor	40
				T9M6 69	66	DORJ-19A241 70	81	T9MM 69	58	65-210 12 Transistor	40
				T9M7 69	66	DOVA-19A242 70	86	T9MM 69	58	65-210 12 Transistor	40
				T9M8 69	66	DOVA-19A241 70	82	T9MM 69	58	65-210 12 Transistor	40
				T9M9 69	66	D1AA-18806 71	94	T9MM 69	58	65-210 12 Transistor	40
				T9M10 69	66	D1GA-19241 71	98	T9MM 69	58	65-210 12 Transistor	40
				T9M11 69	66	D1MA-19A241 71	98	T9MM 69	58	65-210 12 Transistor	40
				T9M12 69	66	D1MA-19A242-AD 71	105	T9MM 69	58	65-210 12 Transistor	40
				T9M13 69	66	D1OA-18806 71	94	T9MM 69	58	65-210 12 Transistor	40
				T9M14 69	66	D1VA-19A241 71	98	T9MM 69	58	65-210 12 Transistor	40
				T9M15 69	66	D1VA-19A242-AD 71	105	T9MM 69	58	65-210 12 Transistor	40
				T9M16 69	66	D1VA-19A241 71	105	T9MM 69	58	65-210 12 Transistor	40
				T9M17 69	66	D1VA-19A242-AD 71	105	T9MM 69	58	65-210 12 Transistor	40
				T9M18 69	66	D1VA-18806 71	94	T9MM 69	58	65-210 12 Transistor	40
				T9M19 69	66	D2AA-19A241-125 72	127	T9MM 69	58	65-210 12 Transistor	40
				T9M20 69	66	D2AA-19A242-AE 72 (See Pg. 57)	135	T9MM 69	58	65-210 12 Transistor	40
				T9M21 69	66	D2AA-18806 72	126	T9MM 69	58	65-210 12 Transistor	40
				T9M22 69	66	D2DA-18806 72	125	T9MM 69	58	65-210 12 Transistor	40
				T9M23 69	66	D2DA-19A241 72	127	T9MM 69	58	65-210 12 Transistor	40
				T9M24 69	66	D2DA-18806 73	138	T9MM 69	58	65-210 12 Transistor	40
				T9M25 69	66	D2RZ-19A241-BA 72	135	T9MM 69	58	65-210 12 Transistor	40
				T9M26 69	66	D2ZA-19A241-AA 74	180	T9MM 69	58	65-210 12 Transistor	40
				T9M27 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M28 69	66	D4AA-18806AA 74	171	T9MM 69	58	65-210 12 Transistor	40
				T9M29 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M30 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M31 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M32 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M33 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M34 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M35 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M36 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M37 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M38 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40
				T9M39 69	66	D4AA-19A241-AA 74	183	T9MM 69	58	65-210 12 Transistor	40

MoPar (CONT.)	VOL.	MoPar (CONT.)	VOL.	MOTOROLA (CONT.)	VOL.	MOTOROLA (CONT.)	VOL.	MOTOROLA (CONT.)	VOL.	MUNTZ/STEREO	VOL.
7FBVA 67 Dodge, Ply.	48	402 60 Chry.	13	CE70A 70 Chev.	77	OE4FMC 64 Olds.	34	3AT	22	M-30	52
12B 61 Chry.	15	403 60 Chry.	13	CEA64 64 Chev.	24	OE65A 65 Olds.	32	3MT	22	M-40	57
13BC 61 Dodge	15	404 61 Chry.	15	CEM64 64 Chev.	25	OE66A 65-66 Olds.	40	4AT	25	M-45	64
13BD 61 Dodge	16	407 61 Chry.	15	CK65M 65 Chev.	32	OE67A 67 Olds.	45	4MT	25	M-50	60
13BS 61 Desoto	16	409 62 Chry.	18	CK66M 65-66 Chev.	39	OEATX 57 Olds.	7	5CSRMX4	204	M-430	190
14BC 61 Chry.	15	410 62 Chry.	18	CK67A 67 Chev., GMC	52	OEAX9 59 Olds.	12	5FARMX4	204	M-431	173
14B1 61 Chry.	15	411 63 Chry.	20	CK70A 70 Chev.	77	OEAG0X 60 Olds.	14	5FM216A	223	M-607	133
24BC 62 Chry.	18	413 63 Chry.	20	CM501	127	OEAE1X 61 Olds.	17	5FM273AX	203	M-650	161
24B1 62 Chry.	18	414 64 Chry.	24	CO67A 67 Chev.	44	OEAG5 63 Olds.	22	5FM355A	223	M-651	162
34BCS 63 Chry.	20	415 64 Chry.	24	CO68A 68 Chev.	56	OEAG6 64 Olds.	24	5FM481AX/4AX1	204	M-860	134
34B1 63 Chry.	20	416 65 Chry.	31	CO69A 69 Chev.	59	P718S	116	5FM485AX	226	M-880	134
44BCS 64 Chry.	24	417 65 Chry.	31	CR65A 65 Chev.	32	PC246 49-52 Pont.	5	SM-12	5	M-883	132
44B1 64 Chry.	24	417 65 Chry.	31	CR65M 65 Chev.	32	PC4FM 64 Pont.	26	6M-12	5	M-884	136
84BC 58 Chry.	8	417 66 Chry.	39	CR66A 66 Chev.	38	PC4FMC 64 Pont.	34	6M4 59 Hudson & Nash	6	M-886	143
85BC 58 Chry.	9	418 67 Chry.	47	CR66M 66 Chev.	38	PC65A 65 Pont.	32	(Pg. 9)	6	M-888	134
94BC 59 Chry.	10	419 67 Chry.	43	CR67A 67 Chev.	44	PC66A 66 Pont.	40	6MR 56 Amer. Motors	6	M-940	132
101 60 Ply.	13	420 67 Chry.	40	CRA60X 60 Chev.	15	PC67A 67 Pont.	45	(Pg. 5)	6	PU-419-01	132
102 60 Dodge	13	421 67 Chry.	73	CRA62 60-62 Chev.	20	PC69A 69 Pont.	69	6TAS8	6	PU-421A-01	134
104 60 Ply.	13	608 53 Ply.	4	CRA63 61-63 Chev.	22	PC70A 70 Pont.	77	7M (Model 6M)	6	PU-423-01	143
106 60 Dodge	14	609 53 Dodge	4	CRA64 60-64 Chev.	25	PC71A 71 Pont.	106	7MR 57 Amer. Motors	6	PU-427A-02	134
107 61 Dodge	15	610T 53 Dodge	4	CRM60X 60 Chev.	14	PCAX7 57 Pont.	7	(Pg. 5)	6	PU-428A-01	134
109 61 Ply.	15	611T 54 Dodge (See 610T)	4	CRM62 60-62 Chev.	19	PCAX9 59 Pont.	10	7MX	6	PU-434 (Pg. 79)	170
110 60 Ply.	13	612 54 Dodge (See 609)	4	CRM63 61-63 Chev.	22	PCAC60X 60 Pont.	15	7SMFT 70 Tractor	109	PU-606A-01	136
111 61 Ply.	15	613 55 Dodge	5	CRM64 60-64 Chev.	25	PCAC61X 61 Pont.	17	8M	9	PU-607A-01	133
112 60 Desoto	14	614 55 Dodge	5	CT2A6 51-52 Chev.	5	PCAC62 62 Pont.	20	8MX	9	PU-809A-01	141
113 61 Ply.	15	615 56 Dodge	7	CT4FM 64 Chev.	26	PCAC63 63 Pont.	22	NASH (Also See American Motors)	13		
114 61 Dodge	15	616 56 Dodge	7	CT4FMC 64 Chev.	34	PCAC64 64 Pont.	24	10AX	15		
202 62 Ply.	18	621 57 Dodge	8	CT5M6 51-52 Chev.	5	PC3A6 51-53 Packard	5	10M	13		
203 62 Ply.	18	624 57 Dodge	8	CT65M 65 Chev.	32	PD69A 69 Pont.	69	10MX	12		
204 62 Dodge	17	700 58 Dodge (Rev.)	14	CT66A 66 Chev.	38	PT67A 67 Pont.	44	10P3598 70 Tractor	109	AC-154 54-55	5
205 62 Dodge	17	701 59 Simca	12	CT66M 66 Chev.	39	PT68A 68 Pont.	56	11MX	16	NH3C 53 Nash	4
206 64 Dodge	24	703 61 Dodge	16	CT67A 67 Chev.	44	PT69A 69 Pont.	69	12AT-1/2-3	21	NH3AC 55 (Model AC-154)	5
214 63 Ply.	19	706 64 Dodge	26	CT68A 68 Chev.	56	PT70A 70 Pont.	77	13MA/MW 60 Amer. Motors (Pg. 13)	25	NIVICO	
215 63 Dodge	19	706 STBDT 65 (Sim. to Page 64)	26	CT69A 69 Chev.	69	PT70AD (Sim. to Pg. 43)	69	14AT	25	1310	75
216 63 Ply.	22	706 7BDT 67 Dodge	44	CT70A 70 Chev.	77	R200	19	14MR 61 Amer. Motors (Pg. 13)	15	NORDIC	
218 64 Ply.	24	819 53 Ply.	4	CT71A 71 Chev.	106	SR2A6 50-52 Stude.	5	24ME, 24MF, 24MY (See Ford 24ME)	17	501F55 55 Ford	5
219 64 Dodge	23	821 53 Dodge	4	CTA3 53 Chev.	4	SR3A6 52 Stude.	5	76MA 57 Hudson & Nash (Pg. 9)	6	NORMENDE	
220 64 Ply.	23	824 53 Dodge	4	CTA4 54 Chev.	6	SR52A6 50-52 Stude.	5	93MR 59 Amer. Motors (Pg. 9)	10	Transita-Royal K-C	
221 64 Dodge	24	824 53 Dodge	4	CTA5 55 Chev.	6	SR52M6 50-52 Stude.	5	94MF (Pg. 71)	10	4/608 K-C	34
222 65 Ply.	28	825 53 Chry.	4	CTA6T 55-56 Chev.	6	TF752S	159	94MI 59 Intl. (Pg. 61)	11	OLDSMOBILE	
223 65 Dodge	28	828 54 Dodge	4	CTA6X 55-56 Chev.	7	TF756S	225	94MH 59 Intl. (Pg. 91)	10	03AFM1 70 F-85	80
224 65 Dodge	28	829 Desoto	4	CTA7X 57 Chev.	7	TF800S	90	94MP (Pg. 71)	10	03AFM2 70 1/2 F-85	80
224 65 Ply.	28	830 54 Dodge	4	CTA8X 58 Chev.	9	TF864AX (Pg. 75)	181	94MI 59 Intl. (Pg. 61)	11	03APB1 70 F-85	98
225 65 Ply.	28	831 (See 830)	4	CTA9X 59 Chev.	10	TF77AX	218	94MI 59 Intl. (Pg. 61)	11	03BPM1 70 Olds.	88
226 65 Ply.	28	832 55 Ply.	5	CTA61 61 Chev.	15	TM6A	35	94MI 59 Intl. (Pg. 61)	11	03BPM2 70 1/2 Olds	88
228 66 Ply.	37	833 55 Dodge	5	CTA62 62 Chev.	15	TM6A	38	94MI 59 Intl. (Pg. 61)	11	03BPM2 70 1/2 Olds	88
229 66 Dodge	37	834 55 Desoto	5	CTA63 63 Chev.	22	TM6A	38	94MS 59 T-Bird (Pg. 55)	11	03BPM1 70 Olds.	73
230 66 Ply.	37	835 55 Chry.	5	CTA64 64 Chev.	22	TM6M	38	94MS 59 T-Bird (Pg. 55)	11	03BT411 70 F-85 & Olds 78	73
231 66 Ply.	37	836 55 Ply.	5	CTM3 53 Chev.	5	TM7A	49	94MS 59 T-Bird (Pg. 55)	11	03EFM1 70 Toronado	80
232 66 Dodge	35	840 56 Ply.	6	CTM4 A 54 Chev.	6	TM8A	39	94MS 59 T-Bird (Pg. 55)	11	03EFM2 70 1/2 Toronado	88
233 66 Dodge	35	841 56 Ply.	6	CTM6 55-56 Chev.	6	TM15A	71	94MS 59 T-Bird (Pg. 55)	11	03EFM2 70 1/2 Toronado	88
234 66 Ply.	37	842/HR 56 Dodge	6	CTM7X 57 Chev.	7	TM16A	41	94MS 59 T-Bird (Pg. 55)	11	03ET411 70 Toronado	78
235 66	35	843 56 Desoto	6	CTM8X 58 Chev.	9	TM17A	45	94MS 59 T-Bird (Pg. 55)	11	03ET412 70 1/2 Toronado	80
236 67 Ply.	43	844/HR 56 Chry.	8	CTM9X 59 Chev.	10	TM18A	45	94MS 59 T-Bird (Pg. 55)	11	13AFM1 (7932753)	105
237 67 Dodge	43	845 57 Dodge	8	CTM57X 57 Chev.	9	TM81A	106	94MS 59 T-Bird (Pg. 55)	11	13APB1 (7932743)	101
240 67 Dodge	42	846 57 Desoto	8	CTM61X A 61 Chev.	16	TM105M	75	94MS 59 T-Bird (Pg. 55)	11	71 F-85 & Olds	101
241 67 Ply.	42	847 57 Chry.	8	CTM62 61-62 Chev.	19	TM200S	111	94MS 59 T-Bird (Pg. 55)	11	71 F-85	97
301 60 Dodge	13	848 57 Ply.	8	CTM65 63 Chev.	22	TM203S (Sim. to Pg. 57)	95	94MS 59 T-Bird (Pg. 55)	11	13BPM1 (7930033)	98
303 60 Chry.	13	849 57 Ply.	8	CTM64 64 Chev.	25	TM213S	162	94MS 59 T-Bird (Pg. 55)	11	13BPM2 71 Olds,	98
304 60 Desoto	13	851 58 Chry.	8	CV71A 71 Chev.	106	TM226S	215	94MS 59 T-Bird (Pg. 55)	11	Toronado	98
305 60 Dodge	13	852 58 Dodge	8	CY65A 62-65 Chev.	32	TM270M	79	94MS 59 T-Bird (Pg. 55)	11	13BPM1 (7930093)	117
306 61 Dodge	16	854 58 Ply.	9	CY65M 62-65 Chev.	33	TM295M	33	94MS 59 T-Bird (Pg. 55)	11	13BPM2 (7930013)	71
309 61 Ply.	16	855 59 Ply.	11	CY66A 66 Chev.	34	TM326M	77	94MS 59 T-Bird (Pg. 55)	11	Olds & Toronado	101
310 60 Ply.	16	856 59 Dodge	10	CY67A 67 Chev.	44	TM336M	77	94MS 59 T-Bird (Pg. 55)	11	13BPT1 (7930053)	13
311 61 Ply.	16	857 59 Desoto	10	CY68A 68 Chev.	56	TM413M	32	94MS 59 T-Bird (Pg. 55)	11	71 Olds, Toronado	96
312 61 Desoto	16	858 59 Chry.	10	CY69A 69 Chev.	69	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	13BPT2 (7930053)	7
313 60 Dodge	14	860 59 Ply.	12	CY70A 70 Chev.	77	TM417M	32	94MS 59 T-Bird (Pg. 55)	11	71 1/2 Olds, Toronado,	118
314 61 Dodge	16	861 59 Chry.	12	CYA62 62 Chev.	20	TM418M	33	94MS 59 T-Bird (Pg. 55)	11	23AFM1 (7935013)	72
314V 61 Ply.	16	900 55 Dodge	5	CYA64 62-64 Chev.	25	TM316S	216	94MS 59 T-Bird (Pg. 55)	11	F-85	112
317 61 Chry.	15	901 55 Desoto	5	CYM62 62 Chev.	19	TM318M	25	94MS 59 T-Bird (Pg. 55)	11	72 F-85	112
322 62 Ply.	17	902 55 Chry.	5	CYM63 62-63 Chev.	22	TM325M (Pg. 108)	54	94MS 59 T-Bird (Pg. 55)	11	23AFP2/P3 (7938303)	128
323 62 Dodge	17	903 55 Chry.	5	CYM64 62-64 Chev.	25	TM326M	70	94MS 59 T-Bird (Pg. 55)	11	23APB1 (7935003)	120
324 62 Chry.	17	910/HR 56 Dodge	6	P85M (200)	125	TM327M	46	94MS 59 T-Bird (Pg. 55)	11	23APB2 (7935003)	128
327 62 Chry.	17	912/HR 56 Chry.	7	P86M (200)	125	TM329M	46	94MS 59 T-Bird (Pg. 55)	11	72 F-85	112
330 63 Ply.	21	916/HR 56 Ply.	7	P87M (200)	125	TM332M	46	94MS 59 T-Bird (Pg. 55)	11	23AFP2 (7935003)	120
333 63 Dodge	21	917/HR 57 Ply.	8	P88M (200)	125	TM336M	77	94MS 59 T-Bird (Pg. 55)	11	72 Olds, Toronado	110
333 63 Chry.	21	918 57 Dodge	7	P89M (200)	125	TM413S	160	94MS 59 T-Bird (Pg. 55)	11	23BPM1 (7930053)	13
335 63 Dodge	21	919/HR 57 Desoto	7	P89M (200)	125	TM413M	32	94MS 59 T-Bird (Pg. 55)	11	71 Olds, Toronado	96
336 64 Dodge	24	920/HR 57 Chry.	8	P89M (200)	125	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	13BPT2 (7930053)	7
338 64 Dodge	25	921HR 57 Chry.	8	P90M (200)	125	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	71 1/2 Olds, Toronado,	118
339 63 Dodge	22	922 58 Chry.	9	P91M (200)	125	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	23AFM1 (7935013)	72
343 63 Chry.	19	923 58 Desoto	9	P92M (200)	125	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	F-85	112
344 63 Dodge	22	924HR	9	FM108M	40	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	555-12	4
345 63 Ply.	22	925 58 Ply.	9	FM150M	55	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	555-12	4
347 62 Dodge	24	927 59 Desoto	11	FM200A	34	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	555-12	4
348 64 Chry.	24	928 59 Chry.	11	FM210A	72	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	596-12	6
350 64 Chry.	25	929 59 Chry.	11	FM214A	201	TM416M	32	94MS 59 T-Bird (Pg. 55)	11	597X	7
351 64 Chry.	25	2820635 68 Chry.	51	FM273AX	203						

OLDSMOBILE (CONT.)	VOL.	OLDSMOBILE (CONT.)	VOL.	OPEL (CONT.)	VOL.	PHILLIPS	VOL.	PLYMOUTH (CONT.)	VOL.	PONTIAC (CONT.)	VOL.
33APBT1 (7935043)		93EFM1 (7307813)		981981 59-60	14	PPTC-400-MR	32	3501045 71 Barracuda,		12BPM1 (7930032)	
73 F-85	140	69 Toronado	74	7294694 66	39	PIONEER		Belvedere, Fury,	105	71 Pontiac	100
33BPM1 (7937953)		93EFW2 (7307813)		7307404 68 Opel	55			Vaiaint	105	12BPM2 71 Pontiac	100
73 Olds, Toronado		69 1/2 Toronado	74					3501059 (CG05903)		(Similar to page 87),	100
(PCB AR-151)	139	93EPB1 (7308203)		ORRTRONICS				71 Belvedere	105	12BMT1 (7930121)	104
33BMT1 (7937973)		69 Toronado	71	682.100	48	GX-1500G	220	3501156 (CG15603)		71 Pontiac	104
73 Olds, Toronado	145	93ET411 69 Toronado	69	682.101	48	GX-2020G	218	71 Fury	104	12BMT2 (7930252)	115
33BMT2 (7937973)		69 1/2 Toronado	69	682.110	61	KP-333E	156	3501156 (2PF1203)		12BPM1 (7930022),	115
73 Olds, Toronado	144	Toronado	69	682.120	64	KP-4000G	227	72 Fury	128	12BPM1 (7930212)	
33BFP1 (7938333)		982029 62	17	PACKARD		KP-4000ZE	227	3501156 (2PF1324)		71 Pontiac	102
73 Olds, Toronado	146	982030 63	18			QP-444E	155	73 Fury	157	12BPM2 71 Pontiac	102
33BPB1 (7937943)		982136 63	19	AC-2906 58	8	TP-200	222	3501157 71 Fury	109	(Similar to page 101),	102
73 Olds, Toronado	142	982137 63	19	AC-2907 58	8	TP-700E	145	3501231 (1GH1401),		12BPM2 (7930012),	102
33BPB2 (7937943)		982139 63 F-85	20	439666 54 See Model	8	TP-777E	145	2GH1401, 5GH1401	179	12BPM2 (7930202)	
73 Olds, Toronado	147	982213 63	21	439338	4	TP-828E	221	3501323/33/34		12BPM2 71 Pontiac	102
33BPT1 (7937963)		982249 64	25	472064 55	5	TP-6000/G	146	74 Fury	171	(Similar to page 101),	102
73 Olds, Toronado	140	982250 64	25	472047/48 55	5	TP-7000G	219	3501237 74 Fury	186	12BPM2 (7930012),	102
41XPB1, 41XPBK1		982252 64 F-85	25	7267427	4	TP-7000ZE	219	74 Fury	181	12BPM2 (7930202)	
74 Omega (Similar to		982290 53	4	7267427 780487 56	5	TP-8000E	148	3501239 (1CH2402),		71 Pontiac	105
page 51)	167	983004 53	4	7267427 780487 56	6			2CH2402, 5CH2402	176	12BPM1 (7930242)	101
43APB1 (9343285),		983009 54	4	CLIPPER	6	PLYMOUTH (Also See		74 Plymouth	180	12BPM2 71 Pontiac	101
43APBK1 (9343303)		983099 54	5	484649 57	7	MoPar)		3501328 (1CH4405),		71-1/2 Pontiac	117
74 Cutlass	173	983204 55	5	484652 57 See Model	7	IBVD 71 Valiant		5CH4405) 74 Plymouth	181	12BT411 (7934782)	
43BPM1 (9343343) 74		983205 55	5	7267427	4	(Similar to page 45)	94	3501328 (1CH4507),		71 Pontiac	97
Cutlass, Olds,		983334 56	6	7267427 780487 56	6	2CH1605 76	223	5CH4507) 75 Fury	195	12FPM1 (7313542)	
Toronado	171	983336 56	6	PANASONIC		5CH1605 76	223	3501329 (1CH4508),		71 Firebird	106
43BPM1 (9343363) 74		989001 57	7	CQ-252EU	182	5CH1605 76	223	5CH4402) 74 Plymouth	180	12FPM1 (7313532)	
Cutlass, Olds, Toronado,	168	989002 57	7	CQ-880EU	146	244 (8BBA, 9BBA)	61	3501329 (1CH4508),	192	12FPM1 (7313522)	97
43BFP1 (9343323) 74		989127 58	8	CQ-880EU (PCB)	164	245 (8BVA, 9BVA)	61	5CH4508) 75 Fury	192	12FPM1 (7313522)	97
Cutlass, Olds,	176	989129 58	8	CQ-881EU	194	68-69 Valiant	61	3501329 (1CH4508),	189	71-1/2 Firebird	130
Toronado	176	989131 58	8	CQ-909EU	219	250 68 Fury	61	5CH4508) 75 Fury	192	12FPM1 (7313562)	
43BFPK1 (9343333) 74		989170 59	10	CQ-959EU	175	251 (8BBE, 9BBCC)	51	72 Barracuda	135	12FPM1 (7313562)	97
Cutlass, Olds,	176	989171 59	11	CQ-989	224	68-69 Belvedere	61	3501501 (1PD23105)		71 Firebird	120
Toronado	176	989172 59	11	CR-003B	149	384 (8FBPD) 68 Ply	58	73 Barracuda	135	12FPM1 (7313522)	98
43BPM1 (9343293),		989277 60	12	CR-003B	149	388 (8FBCC) 68	61	3501502 (1PF2205)		71 Firebird	98
43BPM1 (9343313)		989387 61 F-85	15	CR-099EU	175	Belvedere	58	3501502 (1PF2310)		12BPM1 (7313552)	98
74 Olds, Toronado	173	989392 61	15	CR-119EU	140	390 68 Fury	55	73 Fury	135	71 Firebird	98
43BPT1 (9343353) 74		989393 61	15	CR-143EU	138	398 (8FBBA) 68	58	3501503 (1PD2207)		12F451 (7930492)	98
Cutlass, Olds,	172	989394 61	15	CR-242EU	146	Barracuda	58	72 Satellite	135	71 Firebird (Console),	97
Toronado	172	989395 61	15	CR-501EU	150	399 (8FBVA) 68 Valiant	58	3501506 (1PD1207)		12GM1 (7312332)	
50HPBT1 75	220	989396 61	15	CR-514EU	150	2864 51 (8BBD, 9BBD)	61	72 Barracuda	131	71 Grand Prix	106
51XFM1 (7933261)		989397 61	15	CR-515EU	220	68-69 Barracuda (Simi-	61	3501506 (1PD1313)		12GM1 (7307432)	106
75 Omega	191	989398 61	15	CR-656EU	167	lar to page 93)	61	3501507 (1PD1208)		71 Grand Prix	97
51XFM1, 51XFM2		989399 61	15	CR-657EU/658EU	217	2864 52 (8BVA, 9BVA)	61	72 Satellite	131	12GM1 (7307432)	106
(7933281) 75 Omega,	192	989399 61	15	CR-700EU	139	68-69 Valiant (Similar	61	3501507 (1PF1206)		71 Grand Prix	97
51XFP1 (7933251),		989399 61	15	CR-701EU	166	to page 93)	61	72 Fury	131	12GM1 (7307432)	106
51XFPK1 (7933511)		989399 61	15	CR-714EU	174	2864 756 (8FBPD) 68	61	3501508 (1PF1312)		12GM1 (7307432)	106
75 Omega	189	989399 61	15	CX-131EU	143	Fury (Similar to	58	3501508 (1PF1312)		71-1/2 Grand Prix	120
51XPB1 (7933241)	186	989399 61	15	CX-325EU	151	page 41)	58	73 Fury	131	12GM1 (7307332)	
51XPB2/BK2	217	989399 61	15	CX-326EU	151	2864 767 (8BBE, 9BBCC)	61	3501508 (1PF1312)		71-1/2 Grand Prix	98
51XPBK1 (7933501)	186	989399 61	15	CX-351EU	177	68-69 Belvedere (Simi-	61	3501521 (1PD209)		12GM1 (7312912)	98
51XPB1, 51XPB2		989399 61	15	CX-375EU	111	lar to page 93)	61	73 Fury	131	71 Grand Prix	98
(7933271) 75 Omega	193	989399 61	15	CX-385EU	221	2864963 (390) 68	61	3501521 (2DP2313)		12AFM1 (7933261)	98
53APB1 (9346723)		989399 61	15	CX-475EU	183	Belvedere, Fury	55	73 Fury	159	72 Ventura II	113
75 Cutlass	190	989399 61	15	CX-567EU	172	2884044 (400) 68	55	3501622 (1PD1506),		12AFM1 (7933251)	113
53APB2 75 Olds	190	989399 61	15	CX-568EU	172	Belvedere, Fury	55	2PD1506, SPD1506)	196	72 Ventura II	120
(See page 93)	190	989399 61	15	(Similar to page 95)	172	2884 056 (8FBBA)	55	75 Duster, Valiant	196	12AFM1 (7933511)	113
53APBK1 (9346733)		989399 61	15	CX-601EU	144	68 Valiant (Similar	58	3501622 (2PD1306)		21APB1 (7933241)	114
75 Cutlass	190	989399 61	15	CX-601EU (PCB)	176	to page 41)	58	3501623 (1PD2307)		12AFM1 (7933501)	114
53APBK2 75 Olds	188	989399 61	15	CX-677EU	99	2884 057 (8FBVA, 9BVA)	58	73 Valiant	156	72 Ventura II	114
(See Page 93)	190	989399 61	15	CX-775EU	99	68-69 Barracuda (Simi-	58	3501623 (1PD2509),		12AFM1 (7933241)	114
53BPM1 (9346763)		989399 61	15	CX-8075U	66	lar to page 41)	58	2PD1506, SPD1506)	194	12AFM1 (7933501)	114
75 Cutlass, Olds,	188	989399 61	15	CX-830EU	111	2884 063 (8FBCC) 68	61	3501625 (1PF2308)		72 Ventura II	126
Toronado	188	989399 61	15	CX-880EU	148	Belvedere (Similar	58	3501625 (1PF2308)		71-1/2 Grand Prix	115
53BPM1, 53BPM2		989399 61	15	CX-888SU	95	to page 71)	58	73 Satellite	159	72 Ventura II	115
(9346783) 85 Cutlass,	193	989399 61	15	PENNEYS (PENNCREST)		2884065 (250) 68 Fury	51	3501633 (1PD2349)		21XPBT1 (7936181)	115
Oldsmobile, Toronado,	193	989399 61	15	(See JC Penney)		2884 101 (CF10103)	88	73 Barracuda	158	72 Ventura II	117
53BMT3 (9346743)		989399 61	15	PEUGEOT		2884 610 (254) 69 Fury	67	3501635 (1PF2347)	158	12AFM1 (7930542)	117
53BFP1 (9346753)		989399 61	15	2PG2130 (98102)	129	70 Barracuda	88	PONTIAC		72 Tempest	120
75 Cutlass, Oldsmobile,	191	989399 61	15	72 Peugeot		2884631 69 Plymouth	81	02AFM1 70 Tempest	76	12AFM1 (7930402)	120
Toronado	191	989399 61	15	PHILCO		2884 633 (1CH4007)	90	02AFM2 70 Tempest	89	12AFM1 (7930412)	120
53BPM1 (9346703)		989399 61	15	(Also See Ford)		2884 649 (0BD5)	92	02AFM2 Tempest 70 1/2	79	12AFM1 (7930422)	120
75 Oldsmobile,	190	989399 61	15	C-5209 See MoPar 824	4	70 Valiant Duster	92	02AFM1 70 Tempest	79	12AFM1 (7930432)	120
Toronado	190	989399 61	15	C-5409 See MoPar 830	4	70 Barracuda (CF65803)	85	02AFM1 70 Tempest	76	12AFM1 (7930442)	120
53BPM2 75 Olds	190	989399 61	15	C-5509 See MoPar 835	5	2884 748 (CF74803)	90	02BPM1 70 Tempest	89	12AFM1 (7930452)	120
(See Page 93)	190	989399 61	15	C-5595 See MoPar 902	5	70 Fury	90	02BPM2 70 Tempest	86	12AFM1 (7930462)	120
53BPM1 (9346763)		989399 61	15	C-5596 See MoPar 903	5	2884 750 (0BVD)	90	02BPM1 70 Tempest	86	12AFM1 (7930472)	120
75 Cutlass, Olds,	188	989399 61	15	C-5609 See MoPar 844	6	Valiant 70	94	02BPM1 70 Tempest	89	12AFM1 (7930482)	120
Toronado	188	989399 61	15	C-5609HR See MoPar	6	2884750 (1PD1211),	94	02BPM1 70 Tempest	89	12AFM1 (7930492)	120
53BPM1, 53BPM2		989399 61	15	844HR	6	2PD1211) 72 Valiant	128	02BPM1 70 Tempest	89	12AFM1 (7930502)	120
(9346783) 85 Cutlass,	193	989399 61	15	C-5705 See MoPar 847	8	2884 752 (0BCC)	94	02BPM1 70 Tempest	89	12AFM1 (7930512)	120
Oldsmobile, Toronado,	193	989399 61	15	C-5707 See MoPar 920HR	8	Belvedere 70	94	02BPM1 70 Tempest	89	12AFM1 (7930522)	120
53BMT3 (9346743)		989399 61	15	C-5709 See MoPar 921HR	9	2884 755 (10C2002)	84	02BPM1 70 Tempest	89	12AFM1 (7930532)	120
53BFP1 (9346753)		989399 61	15	C-5809 See MoPar 924HR	9	70 Plymouth	84	02BPM1 70 Tempest	89	12AFM1 (7930542)	120
75 Cutlass, Oldsmobile,	191	989399 61	15	D-5207 See MoPar 819	4	2884 755 (2PF1007)	87	02BPM1 70 Tempest	89	12AFM1 (7930	

PONTIAC (CONT.)	VOL.	PONTIAC (CONT.)	VOL.	PONTIAC (CONT.)	VOL.	PONTIAC (CONT.)	VOL.	RANGER (CONT.)	VOL.	RIVERSIDE (CONT.)	VOL.
22FPF3 (See Page 89)	.120	42BFPK2 (9340442)		92BFP6 69 1/2 Tempest		7933401	.217	RR-69TC	.175	FJB-6584A 60-61	
22FPFK1, 22FPFK2		74 Pontiac	.175	(Similar to page 105)	73	9347102 (75)	.215	RR-77T (Ch.100017-219)	212	Valiant	.18
22FPFK3 (7313522)		42BFPK1 (7939102)		92BPB1 (7307312)		9347740 76	.221	RR-77M	.161	FJB-6587	.20
72 Firebird	.120	42BFPK1 (7939112)		69 Pontiac	.72	9347980 75-76	.220	RR-86T	.216	FJB-6591	.16
22FPB1 (7313522)		74 Pontiac	.175	92BPP6 69 1/2 Pontiac		9348082 75	.215	RR-93MPX	.217	FJB-6592	.16
22FPBK1 (7313552)		42BPT1 (7939152)		(Similar to page 89)	72			RR-104C	.178	FJB-6593	.16
72 Firebird	.114	74 Pontiac	.170	92BT411/12 69 Beau-				RR-203MPX	.151	FJB-6604B 60-62	
22FPB2 (7313522)		42FPM1 74 Pontiac	.113	mont, Firebird, Pontiac,				RU-101-T	.24	Corvair	.19
22FPBK2 (7313552)		(See Page 81)		Tempest	.67			TC-100M	.23	FJB-6608A 61 Lancer	.18
72 Firebird	.126	42FPF1, 42FPFK1 74		92FPF1, 92FPF2				TC-100-MD	.52	FJB-6609	.19
22FT451 (7930492)	72	Pontiac (See page 89)	.120	69 Firebird	.66			TC-100-MD	.52	FJB-6611 60-61	
Firebird Console	.112	42FPB1 (7313522)		92FPF1 (7307422)	.69			TC-200PB	.23	Rambler	.22
22GFM1 (7312352)		42FPBK1 (7313552)		Firebird	.69			TC-200-PB	.52	FJB-6612 61-6612 62	
72 Grand Prix	.113	74 Firebird	.174	92FPF2 69 Firebird				TC-300M 64 VW	.52	Chevrolet	.18
22GPF1, 22GFP2,		42GPB1 (9342222)		(Similar to page 93)	.64			TC-300M, MD 65 Prod.	.23	FJB-6615A 60-61	
(7307432) 72		42GPBK1 (9342532)		92FPB1 69 Beaumont,				TC-400P 64 VW	.23	Falcon or Comet	.18
Grand Prix	.120	74 Gran Am, Grand Prix	.175	Firebird, Tempest	.66			TC-400P 65 Prod.	.23	FJB-6615A	.27
22GPF3 (See Page 89)	.120	42GPBK3 74 Grand Prix		92GFM1, 92GFM2				Similar to page 144	.23	FJB-6618A 61 Rambler	.17
22GFPK1, 22GFPK2,		(See Page 85)	.175	69 Grand Prix	.66			TRM-803	.74	FJB-6619A	.21
22GFPK3 (7312942)		50HPBT1 75	.220	92GFM3 Grand Prix 69	.79			TRM-64M	.23	FJB-6643A 60-62 Comet,	
72 Grand Prix	.120	51APB1 (7933641)		92GPF1 (7307432)	.69			TRT	.52	Falcon	.19
22GPB1 (7307532)		51APBK1 (7935021)		Grand Prix	.69			VM-64PB 64 VW	.23	FJB-6649A Tractor	.20
22GPBK1 (7312912)		75 Astro	.187	92GPF2 69 Grand Prix				51T (100077-253)	.208	FJB-6658	.21
72 Grand Prix	.114	51BPM1, 51BPM2		(Similar to page 93)	.64			53T (Ch.100077-255)	.215	FJB-6679A	.10
22GPB2 (7307532)		(731211) 75 Astro	.191	92GPP6 69 1/2				54T	.220	FJB-6681A 58 Plym.	
22GPBK2 (7312912)		51BPF1 (7936611)		Grand Prix	.69			77T (Ch.100017-219)	.212	FJB-6682A, B	.10
72 Grand Prix	.126	51BPFK1 (7933301)		92GPP6 (See page 63)	.62			86T	.216	FJB-6684 59 Ford	.11
22XT411 (7936232)	72	75 Astro	.186	92GPB1 (7307532)				93MPX	.217	FJB-6685 59 Ford	.11
Ventura II	.112	51KPM1 (7933261)		69 Grand Prix	.72			RCA		FJB-6688 59 Chev.	.11
32AFM1 (7935042)		75 Ventura II	.191	92GPB6 69 1/2				12R100 (12R0100)	.167	FJB-6689 59 Plym.	.12
73 Grand Prix, Tempest, 144		51KPM1, 51KPM2		(Similar to page 89)	.72			12R150	.212	FJB-6690 59 Buick	.13
32AFM2 73 GP, Tempest, 154		(7933281) 75 Ventura	.193	983578 62	.18			12R200	.161	FJB-6691B Renault	
32AFM3 73 GP, Tempest, 154		II		983687 62	.20			12R300	.163	Dauphine	.12
32AFM1 (7935102)		51KPF1 (7935251)		983687 62	.20			12R300	.163	FJB-6693B Renault	
73 Grand Prix, Tempest, 152		51KPF1 (7935511)		983873 65	.20			12R300	.163	Dauphine	.12
32AFM2 (7935102)		75 Ventura II	.189	983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Grand Prix, Tempest, 148		51KPB1 (7935241)		983873 65	.20			12R300	.163	Dauphine	.12
32AFP1 (7935022),		75 Ventura II	.186	983873 65	.20			12R300	.163	FJB-6693B Renault	
32AFP2 (9340432)		51KPB2/BK2	.217	983873 65	.20			12R300	.163	Dauphine	.12
73 Grand Prix, Tempest, 149		51KPB1 (7935351)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32AFP1 (7935032)		51KPB1, 51KPB2	.186	983873 65	.20			12R300	.163	Dauphine	.12
73 Grand Prix, Tempest, 137		51KPB1, 51KPB2		983873 65	.20			12R300	.163	FJB-6693B Renault	
32AFP2 (9340432)		(7933271) 75	.193	983873 65	.20			12R300	.163	Dauphine	.12
72 Grand Prix, Tempest, 149		51BPFK1 (7933301)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32APB1 (7935002)		75 Astro	.186	983873 65	.20			12R300	.163	Dauphine	.12
73 Grand Prix, Tempest, 149		52AFM1 (9340452)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32APB2 (7935002)		75 Grand Prix, LeMans, 190		983873 65	.20			12R300	.163	Dauphine	.12
32APBK1 (7935012)		52AFM1, 52AFM2		983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Grand Prix, Tempest, 140		(7935102) 75 Grand	.187	983873 65	.20			12R300	.163	Dauphine	.12
32APBK2 (7935012)		Prix, LeMans	.187	983873 65	.20			12R300	.163	FJB-6693B Renault	
32APBK1 (7935012)		52AFM3 (75)	.215	983873 65	.20			12R300	.163	Dauphine	.12
73 Grand Prix, Tempest, 140		52AFP1 (9340432)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32APBK2 (7935012)		75 Grand Prix, LeMans 189		983873 65	.20			12R300	.163	Dauphine	.12
32APBK1 (7935012)		52APB1 (7935002)		983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Grand Prix, Tempest, 145		52APB1 (9347172)		983873 65	.20			12R300	.163	Dauphine	.12
32BPM1 (7939142)		75 LeMans	.193	983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Pontiac	.144	52APB1, 52APB2		983873 65	.20			12R300	.163	Dauphine	.12
32BPM1 (7939162)		(7935092) 75 Grand	.192	983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Pontiac	.152	Prix, LeMans	.192	983873 65	.20			12R300	.163	Dauphine	.12
32BPM2 (7939162)		52APB3 75	.213	983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Pontiac	.148	52BPM1 (9343502)		983873 65	.20			12R300	.163	Dauphine	.12
32BPF1 (7939122)		75 Pontiac	.190	983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Pontiac	.137	52BPM1, 52BPM2		983873 65	.20			12R300	.163	Dauphine	.12
32BPF1 (7939102)		(7939162) 75 Grand	.187	983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Pontiac	.140	Prix, LeMans	.187	983873 65	.20			12R300	.163	Dauphine	.12
32BPF2 (7939102),		52BPM3 (75)	.215	983873 65	.20			12R300	.163	FJB-6693B Renault	
32BPF1 (7939112),		52BPF1 (9343482)		983873 65	.20			12R300	.163	Dauphine	.12
73 Pontiac	.140	52BPFK1 (9343492)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32BPFK2 (7939112)		75 Pontiac	.189	983873 65	.20			12R300	.163	Dauphine	.12
73 Pontiac	.138	52BPF1 (7939152)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32BPF1 (7939152)		73 Pontiac	.145	983873 65	.20			12R300	.163	Dauphine	.12
73 Pontiac	.145	52BPFK1 (7939112)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32FPM1 (Pg. 81)	.113	75 LeMans	.193	983873 65	.20			12R300	.163	Dauphine	.12
32FPP1 (Pg. 89)	.120	52BPT1, 52BPT2		983873 65	.20			12R300	.163	FJB-6693B Renault	
32FPK1 (Pg. 89)	.120	(7939152) 75 Pontiac	.192	983873 65	.20			12R300	.163	Dauphine	.12
32FPB1 (Pg. 107)	.126	52BPT3 75	.213	983873 65	.20			12R300	.163	FJB-6693B Renault	
32FPBK1 (Pg. 107)	.120	52BPM1 (7313542)		983873 65	.20			12R300	.163	Dauphine	.12
32GPM1 (9342522)		75 Firebird	.191	983873 65	.20			12R300	.163	FJB-6693B Renault	
73 Pontiac	.140	52FPB1 (7313522),		983873 65	.20			12R300	.163	Dauphine	.12
32GPB2 (9342522)		75 Firebird	.186	983873 65	.20			12R300	.163	FJB-6693B Renault	
32GPBK1 (9342532)		52FPB2/BK2	.217	983873 65	.20			12R300	.163	Dauphine	.12
73 Grand Prix	.140	52FPBK1 (7313552)		983873 65	.20			12R300	.163	FJB-6693B Renault	
32GPBK2 (9342522)		75 Firebird	.186	983873 65	.20			12R300	.163	Dauphine	.12
73 Grand Prix	.138	52GPM1 (9342522)		983873 65	.20			12R300	.163	FJB-6693B Renault	
41APBK1 (7935201) 74		52GPM1 (9347162)		983873 65	.20			12R300	.163	Dauphine	.12
Astra (Canadian)	.165	85 Gran Am, Grand Prix, 193		983873 65	.20			12R300	.163	FJB-6693B Renault	
41BPF1 (7936011),		60HFM1 76 (Pg. 57)	.191	983873 65	.20			12R300	.163	Dauphine	.12
41BPFK1 (7935301) 74		60HFM2 76	.221	983873 65	.20			12R300	.163	FJB-6693B Renault	
Astra (Canadian)	.168	60HFM1/PK1 76 (Pg. 27), 186		983873 65	.20			12R300	.163	Dauphine	.12
41XPB1, 41XPBK1 74		60HPB1/BK1 76 (Pg. 65), 187		983873 65	.20			12R300	.163	FJB-6693B Renault	
Ventura II (Similar	.167	60HPB2/BK1 76 (Pg. 87), 189		983873 65	.20			12R300	.163	Dauphine	.12
to page 51)		60HPBT1/T2 76	.220	983873 65	.20			12R300	.163	FJB-6693B Renault	
42AFM1 (9340452) 74		60XPM1 76 (Pg. 85)	.191	983873 65	.20			12R300	.163	Dauphine	.12
Grand Prix, LeMans	.176	60XPM1/PK1 76 (Pg. 85), 189		983873 65	.20			12R300	.163	FJB-6693B Renault	
42AFM2 (7935102) 74		60XPB1/BK1 76 (Pg. 87), 186		983873 65	.20			12R300	.163	Dauphine	.12
Grand Prix, LeMans	.169	61HPK2 (Sim. to Pg. 47), 221		983873 65	.20			12R300	.163	FJB-6693B	

RIVERSIDE (CONT.) VOL.	SONY VOL.	STROMBERG CARLSON VOL. (CONT.)	TENNA (CONT.) VOL.	TENNA (CONT.) VOL.	TOYOTA (CONT.) VOL.
FLH-16651A 63/65	TC-25F201	PO-61-PB 61 Pontiac .. 17	CH-64M See page 136	PO-63PB 63 Pontiac ... 26	CX-361FUT (86021-20030)
Econoline 35	TC-26F221	RA-61-PB 61 Rambler ... 17	63/64 Chevrolet 23	PO-64PB 63/64 Pontiac. 23	CX-361.T (86260-20020).208
FLH-16652A 64 Buick	TC-30 (Pg. 89)164	VA-60-M 60 Valiant ... 14	CH-64PB/RS 63/64Chev. 23	PO-65PB 65 Pontiac ... 35	CX-362FUT
Special 34	TC-30A.....164	VA-61-PB 61 Valiant .. 18	CH-65M 65 Chev. 34	PO-65PB/A 65 Pontiac	(86021-20040) Sedan ..180
FLH-16653A 65 Olds .. 35	SOUNDEX		CH-65PB 65 Chev. 34	N/Air Conditioning ... 35	CX-362T
FLH-16654A 64 F-85 .. 34	CEP-764T 64 Chevelle.. 26	STUDEBAKER	CH-66M/PB 66 Chev. 37	PO-67PB 67 Pontiac ... 46	(86260-20030) Corona ..180
FLH-16658A 64/65 .. 35	CNP-164T 64 Chev. 26	AC-2300 S-5327 53 4	CH-67PB 67 Chev. 36	RA-63PB 63 Rambler ... 26	CX-363FUT
Tempest 34	CNP-165T 65 Chev. 26	AC-2301 S-5323 53 4	CHT-63M 63 ChevTruck. 26	RA-64PB 64 Rambler ... 23	(86021-21030) Van ...180
FLH-16662A 65 34	CNP-166T 66 Chev. 26	AC-2686 S-5528 55 See	CHT-64M See page 136	RA-65PB 65 Rambler ... 32	SS-90A
FLH-16663A 60/63 Chev	COP-60 60 Corvair ... 16	Model AC-2300	CHT-65M 65 ChevTruck. 25	RA-66PB 66 Rambler	SS-90A
& GMC Trucks 34	COP-60 60 Corvair ... 16	AC-2687 S-5524 55 See	CHT-65PB 65 Chevrolet	TS-701-FM	(86260-20010) Corona ... 41
FLH-16665A 64/65 Dodge	COP-006T 66 Corvair .. 40	Model AC-2301	Truck 35	TS-701-MPX	TO-71-PB Corolla/
Truck 35	CTP-264T 64 Comet ... 26	AC-2721 S-5529 55 See	RU-111TC S-004 40	TO-71-PB Corolla/	TO-71-PB Corolla/
61-16509C 33	CTP-266T 66 Comet ... 39	Model AC-2300	RU-112TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
61-16584A 63 Rambler.. 26	CTR-166T 66	AC-2745 56	RU-113TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	Chevrolet Truck 40	AC-2746 56	RU-114TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
SAAB	CYP-465T 65 Chrysler.. 32	AC-2747 56	RU-115TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
OBSA 70	CYP-466T 66 Chrysler.. 39	AC-2748 56	RU-116TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
OBSA 70 96	CYP-467T 67 Chrysler.. 39	AC-2905 58	RU-117TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
OBSA 70 97	DAP-864T 64 Dart 26	AC-2906 58	RU-118TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
OBSA 70 96	DAP-865T 65 Dart 32	AC-2907 58	RU-119TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
OBSA 70 97	DAP-866T 66 Dart 39	AC-2977 60	RU-120TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
OBSA 70 99	DOP-864T 64 Dodge ... 26	AC-2978 60	RU-121TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
OBSA99 70 97	DOP-865T 65 Dodge ... 32	AC-3084 61	RU-122TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
1BSA 71	DOPP-465T 65 Polara .. 39	AC-3085 61	RU-123TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
1BSA99 71 99113	DOPP-466T 65 Polara .. 39	AC-3086 61	RU-124TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
4BH 64 30	DPO-866T 66 Dodge ... 39	AC-3087 61	RU-125TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
5BH 65 Saab 34	DAP-264T 64 Falcon ... 26	AC-3216 62	RU-126TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
6BSA 66 38	FAP-266T 66 Falcon ... 39	AC-3217 62	RU-127TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
7BSAX 30	FLP-264T 64 Fairlane.. 26	AC-3246 62	RU-128TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
7BSAX 30	FOP-264T 64 Ford 26	AC-3247 62	RU-129TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
7BSAX 52	FOP-265T 65 Ford 32	AC-3255 62	RU-130TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
8BSA 68 70	FOP-266T 66 Ford 39	AC-3256 62	RU-131TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
9BSA 69, 9BSAA 69 95-96,	MEP-264T 63/64 Merc. .. 26	AC-3351 63	RU-132TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
9BSA99 69 99 (Similar	MEP-265T 65 Merc. 32	AC-3352 63	RU-133TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
to page 115) 70	MEP-266T 66 Merc. 39	AC-3353 63	RU-134TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
9BSA 69 95-96	MJP-266T 66 Mustang .. 39	AC-3354 63	RU-135TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
9BSAB 69 97(Sonett II)	PLP-464T 64 Plym. 26	AC-3377 63	RU-136TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
9BSA99 69 99110	PLP-465T 65 Plym. 32	AC-3423 SMTZ	RU-137TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
900127 (8BSA) 68	PLP-466T 66 Plym. 39	AC-3473 64Studebaker.. 24	RU-138TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
(Similar to page 115) 70	PLPF-465T 66 Fury 39	AC-3474 64 Hawk 24	RU-139TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
SAMPSON	POP-666T 66 Pontiac .. 40	AC-3498 64Studebaker.. 24	RU-140TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
5SA 18	RAAP-1065T 65	AC-3509 64 Hawk 24	RU-141TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	Rambler American 32	AC-3506 64 Avanti 24	RU-142TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	RAP-364T 27	AC-3556 66Studebaker.. 36	RU-143TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	RAP-365T 65 Rambler .. 32		RU-144TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	RAP-366T 39	SUNBEAM	RU-145TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	SM-130RPE 27	R-80001 (8BSU) 68	RU-146TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	STM-059 59 Lark 16	(Similar to page 115) 65	RU-147TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	STP-059 59 Lark 16	78SU 67 Sunbeam 46	RU-148TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	UN-120RPT 39	78UX 67 Sunbeam 48	RU-149TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	UP-220RT 27	78UX 67 Sunbeam 46	RU-150TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VAP-464T 64 Valiant ... 26	88SU 68 65	RU-151TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VAP-465T 65 Valiant ... 32	98SU 69, 98SUB 69	RU-152TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VAP-466T 66 Valiant ... 39	Alpine, Arrow (Similar	RU-153TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	to page 115) 65	RU-154TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	TEMPEST (See Pontiac)	RU-155TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33		RU-156TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	TEN	RU-157TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	AT-96-1 AR-96EX 49	RU-158TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	AT-96-2 AR-96EX-S 49	RU-159TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	AT-96-3 AR-96VW 49	RU-160TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	AT-96-4 AR-96VW-S 49	RU-161TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	AT-2010, AT-2110 52	RU-162TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	FA-205/EX, FT-250-2,	RU-163TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	13, 12 57	RU-164TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	618W/6 Volt 49	RU-165TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	618/12 Volt 49	RU-166TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	TENATRONICS	RU-167TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	SA-712 40	RU-168TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	SA-822 36	RU-169TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	SM-711 22	RU-170TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	SM-711 Revised 40	RU-171TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	SM-751 22	RU-172TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	SM-751 Revised 40	RU-173TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	SM-821 36	RU-174TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	TRM-701 41	RU-175TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	UA-702 41	RU-176TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	UDR-100 46	RU-177TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	UDR-102 46	RU-178TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	VNM751 48	RU-179TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	12-1319 61	RU-180TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	STROMBERG CARLSON	RU-181TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	C.A.R.7 11	RU-182TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	C.A.R.9 59 Ford &	RU-183TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	Edsel 11	RU-184TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	CH-60-M 60 Chev. 14	RU-185TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	CH-60-PB 60 Chev. 14	RU-186TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	CH-61-M 61 Chev. 17	RU-187TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	CH-61-PB 61 Chev. 17	RU-188TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	DA-60-PB 60 Dart 14	RU-189TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	DE-60-PB 60 DeSoto .. 14	RU-190TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	DO-60-PB 60 Dodge ... 14	RU-191TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	DO-61-PB 61 Dodge &	RU-192TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	Dodge Dart 17	RU-193TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	FA-60-F 60 Falcon 14	RU-194TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	FA-60-PB 60 Falcon 14	RU-195TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	FO-60-M 60 Ford 14	RU-196TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	FO-60-PB 60 Ford 14	RU-197TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	FO-61-M 61 Ford &	RU-198TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	Mercury 17	RU-199TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	FO-61-PB 61 Ford &	RU-200TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	Mercury 17	RU-201TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	IM-60-M 15	RU-202TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	IM-60-MX 17	RU-203TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	IM-61-PB 17	RU-204TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	LA-61-PB 61 Lark 17	RU-205TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	LR-61-PB 61 Lancer ... 18	RU-206TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	OF-61-PB 61 F-85 17	RU-207TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	OL-61-PB 61 Olds 17	RU-208TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	PL-60-M 60 Plym. 14	RU-209TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33	PL-61-M 61 Plym. 18	RU-210TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33		RU-211TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33		RU-212TC S-018 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33		RU-213TC S-010 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33		RU-214TC S-012 39	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33		RU-215TC S-014 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33		RU-216TC S-016 40	TO-71-PB Corolla/	TO-71-PB Corolla/
	VNP-197 65 Prod. 33				

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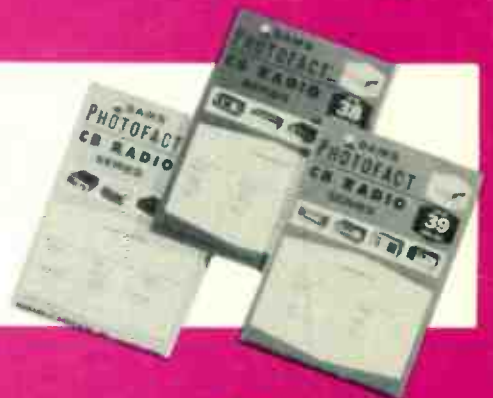
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