



PHOTOFACT[®] with

CIRCUITRACE[®]

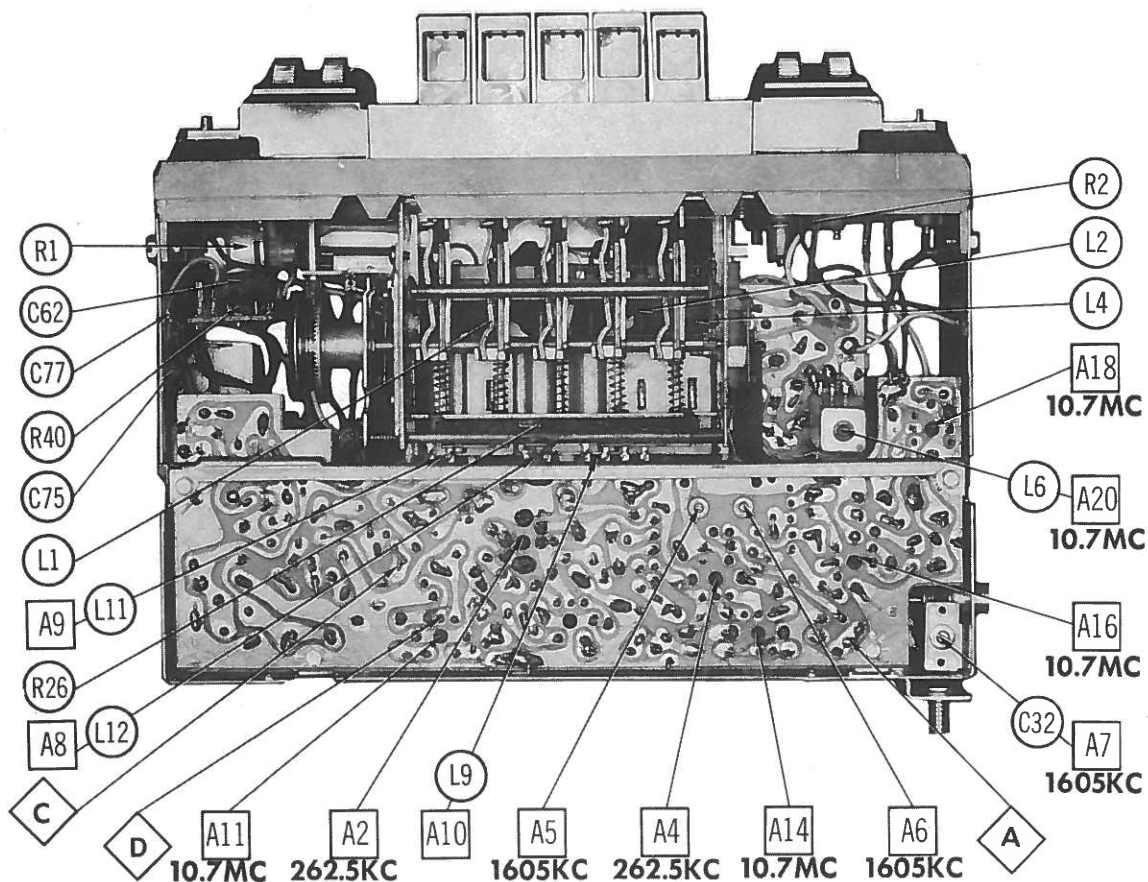
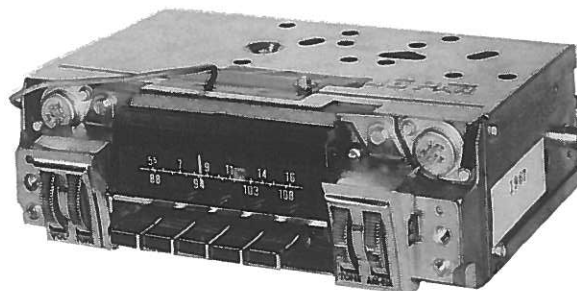
TRADE NAME: Mopar Models 369 (7FBP) (1967 Plymouth)
 370 (7FBD) (1967 Dodge)
 374 (7FBPD) (1967 Plymouth)
 375 (7FBC) (1967 Chrysler)
 378 (7FBDD) (1967 Dodge)
 385 (7FBVA) (1967 Barracuda,
 Dart Valiant)

SUPPLIER: For Current Address, See Annual Index

TYPE SET: 11-Transistor AM-FM Receiver

POWER SUPPLY: 12 Volt Storage Battery

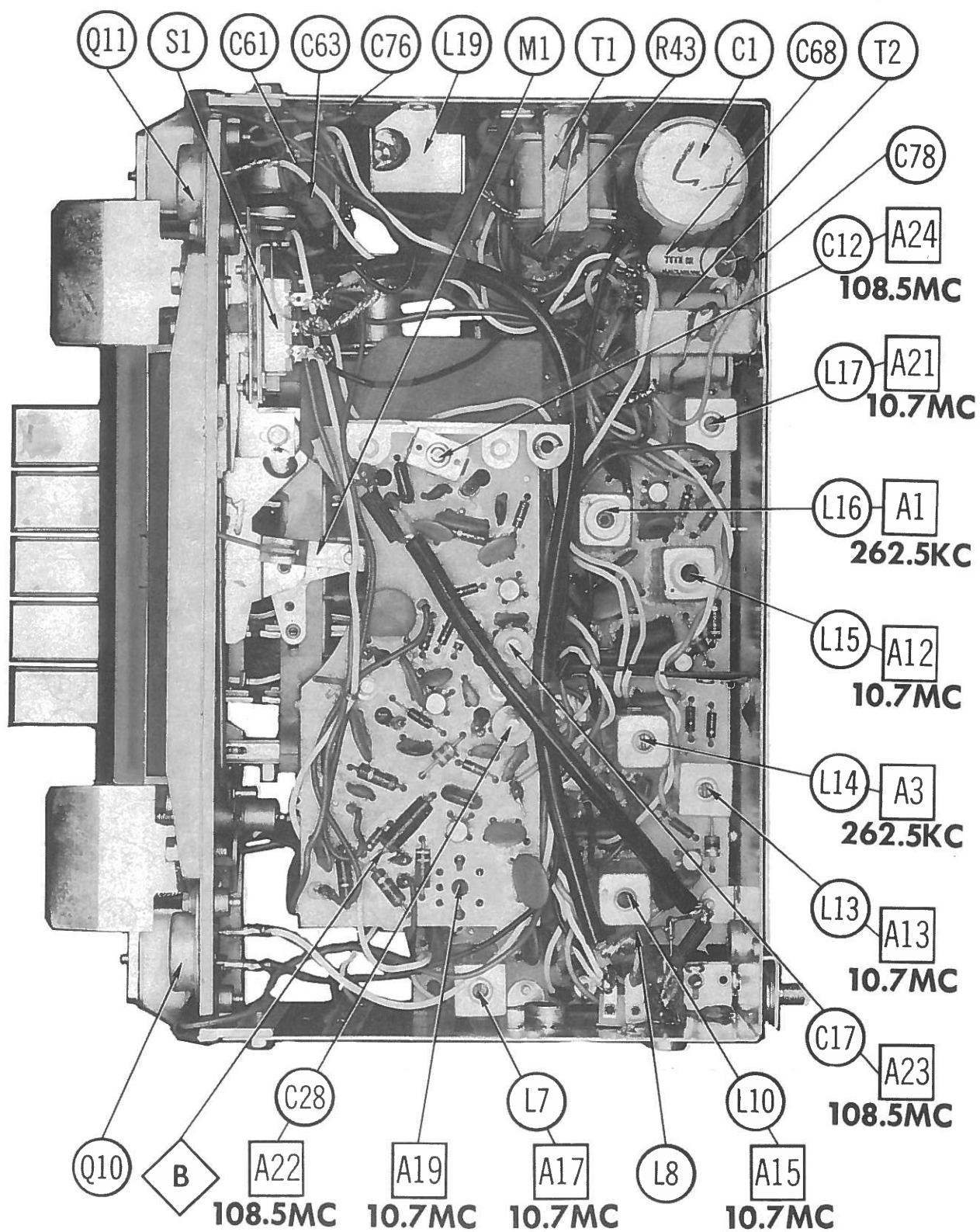
RATING: .2 Amp. @ 12.6 Volts DC



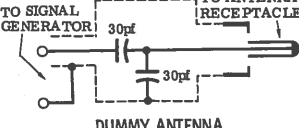

MOPAR MODELS 369, 370, 374, 375, 378, 385

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




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ALIGNMENT INSTRUCTIONS

Check for specified source voltage. Use only enough generator output to provide a usable indication. Suggested Alignment Tools: A1 thru A11 GENERAL CEMENT: 9440 A13 thru A24. WALSCO: 2501 A12 GENERAL CEMENT: 9300 WALSCO: 2510					PUSH-BUTTON ADJUSTMENT 1. Pull button out. 2. Tune manually to desired station. 3. Press button in firmly. 4. Repeat for remaining buttons.
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. High side thru .1mfd to point  , low side to ground.	262.5KC (400% Mod.)	High freq. end stop.	Output meter across voice coil.	A1, A2, A3, A4	Adjust for maximum.
2. Thru dummy antenna to antenna receptacle.	1605KC	"	"	A5, A6, A7	"
Step 3 is not necessary unless tuner has been tampered with or associated components have been replaced. If necessary, back tuning cores (A8, A9, A10) out of coils but not out of forms. Repeat Step 2.					
3. Thru dummy antenna to antenna receptacle.	1000KC	Tune to signal.	Output meter across voice coil.	A8, A9, A10	Adjust for maximum. Repeat Steps 2 and 3 until no further improvement is noted.
With radio installed in car and antenna extended to desired height, tune in a weak station near 1400KC and adjust A7 for maximum output. Antenna adjustment (A7) is located bottom rear right corner.					


FM ALIGNMENT USING AM SIGNAL GENERATOR — SELECTOR IN FM POSITION

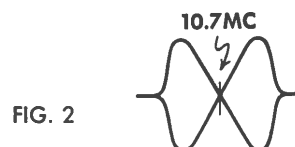
High side thru .01mfd to point  , low side to ground.				
GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
4. 10.7MC (Unmod.)	Point of non-interference.	DC probe of VTVM to point  ; common to ground.	A11, A12, A13, A14, A15, A16, A17, A18, A19, A20	Adjust for maximum.
5. "	"	DC probe to point  ; common to ground.	A21	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.

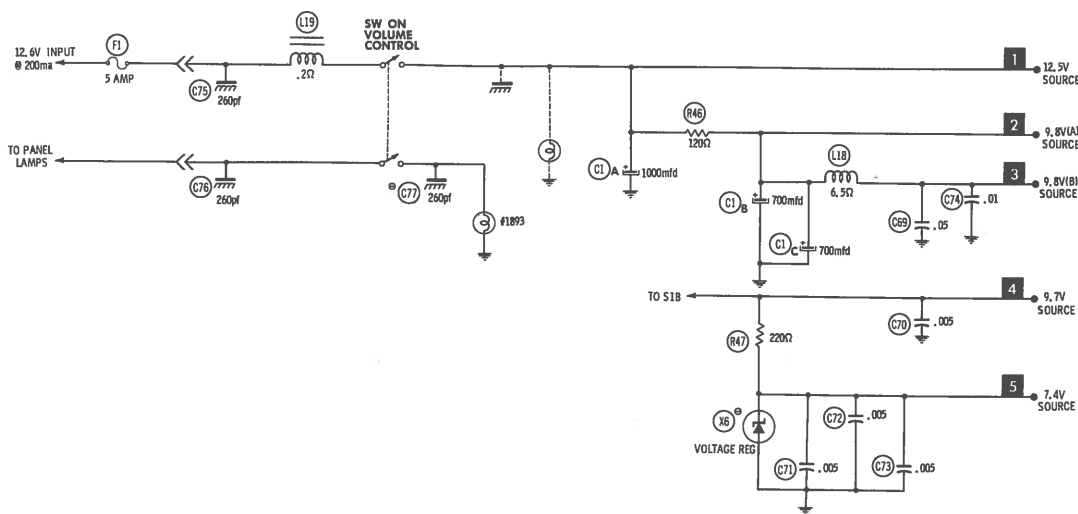
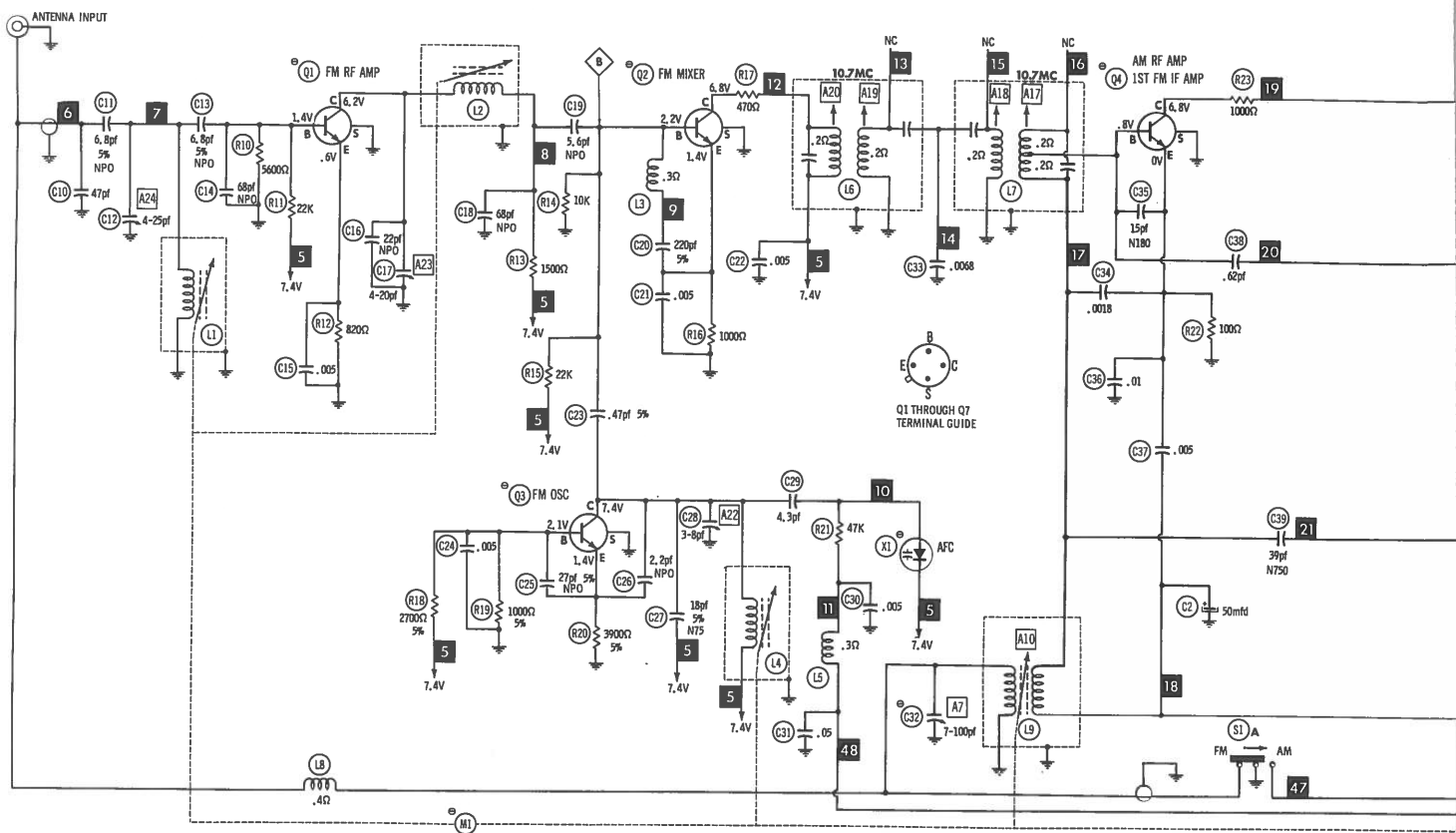
FM IF ALIGNMENT USING FM SIGNAL GENERATOR — SELECTOR IN FM POSITION

High side thru .01mfd to point  , low side to ground. Use only enough marker signal to obtain indication. Use 60% frequency modulated signal with 450KC sweep. Use 120% sawtooth voltage in scope for horizontal deflection.				
GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
4. 10.7MC (450KC Swp.)	Point of non-interference	Vert. amp. of Scope to point  ; low side to ground.	A11, A12, A13, A14, A15, A16, A17, A18, A19, A20	Adjust for maximum gain and symmetry of response similar to Fig. 2 with marker as shown.
5. "	"	Vert. amp. to point  ; low side to	A21	Adjust A21 (Secondary) to place marker at center of crossover lines similar to Fig. 2. Adjust A11 (Primary) for maximum amplitude and straightness of crossover lines.

FM RF ALIGNMENT

Connect generator across antenna terminals with 120Ω carbon resistors in series with each lead.				
GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
6. 108.5MC	108.5MC	DC probe of VTVM to point  ; common to ground.	A22, A23, A24	Adjust for maximum.





Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.

All measurements taken in "FM" position unless otherwise designated.

NC No Connection

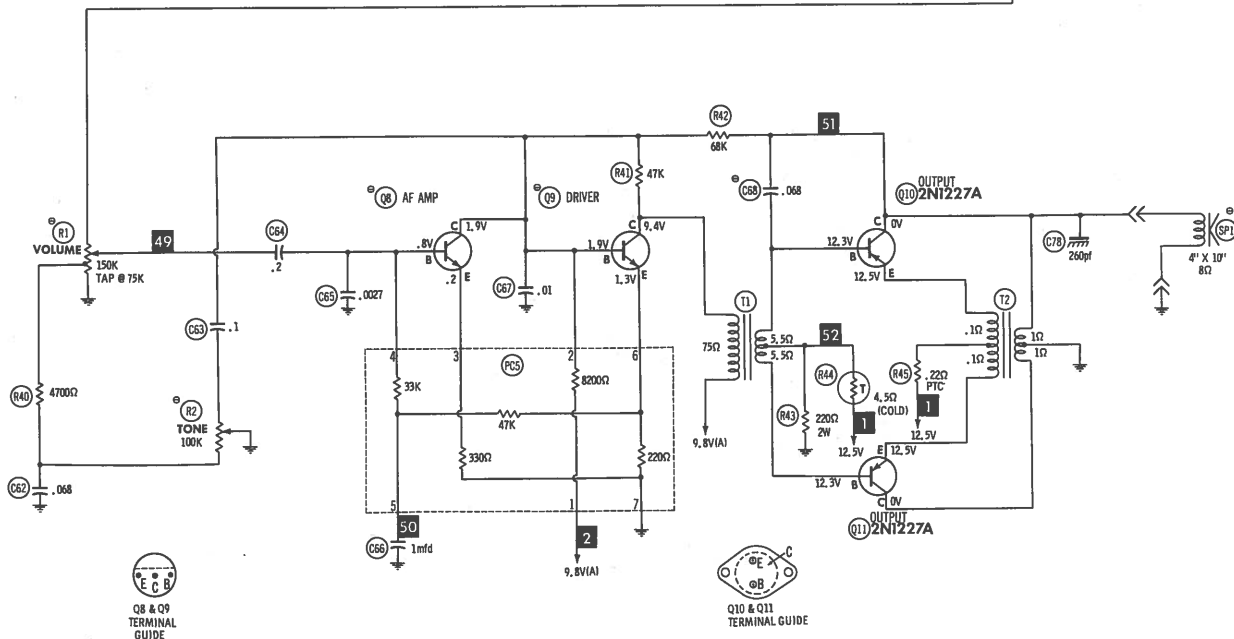
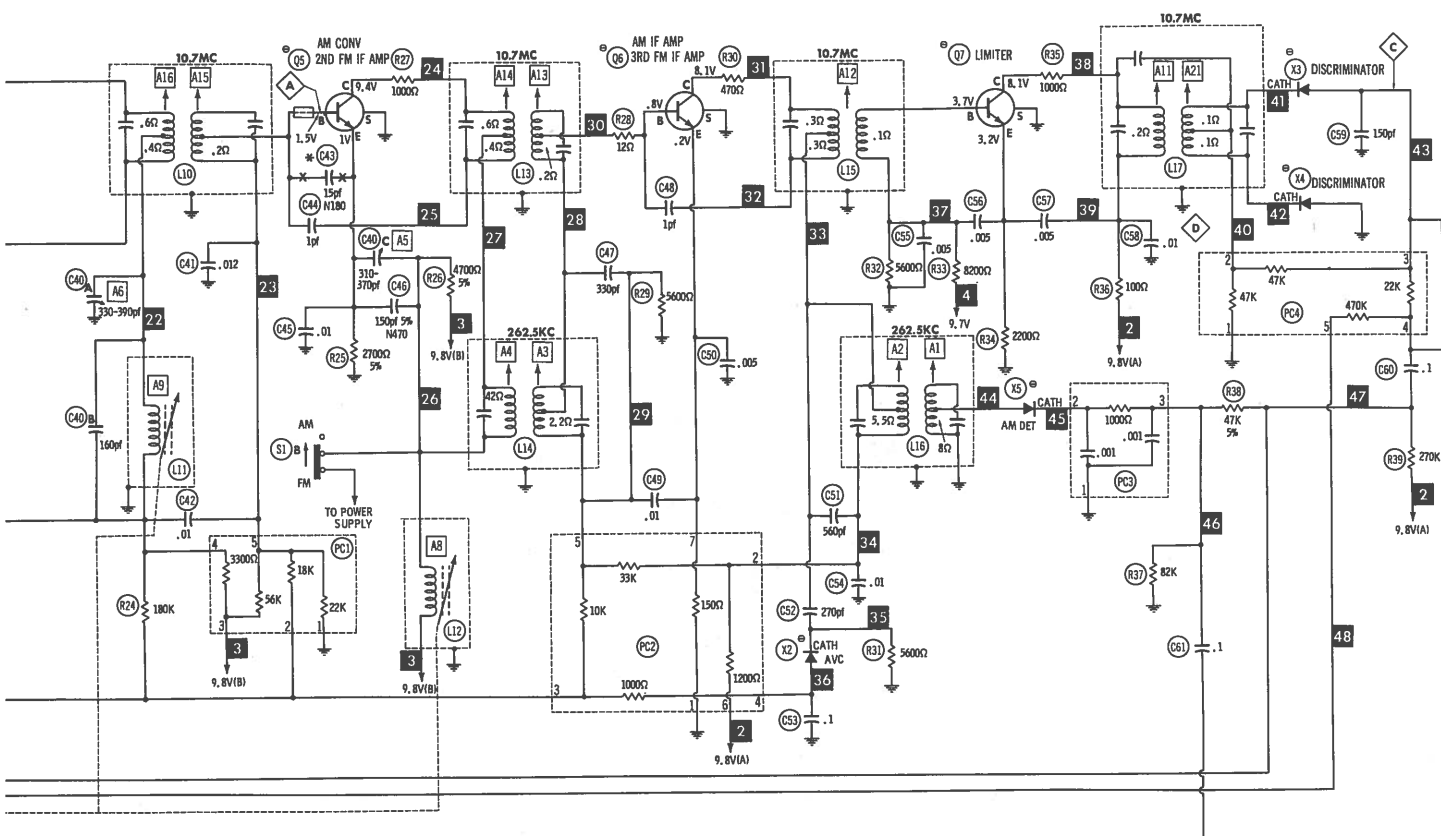
* Not used in some versions.

See parts list

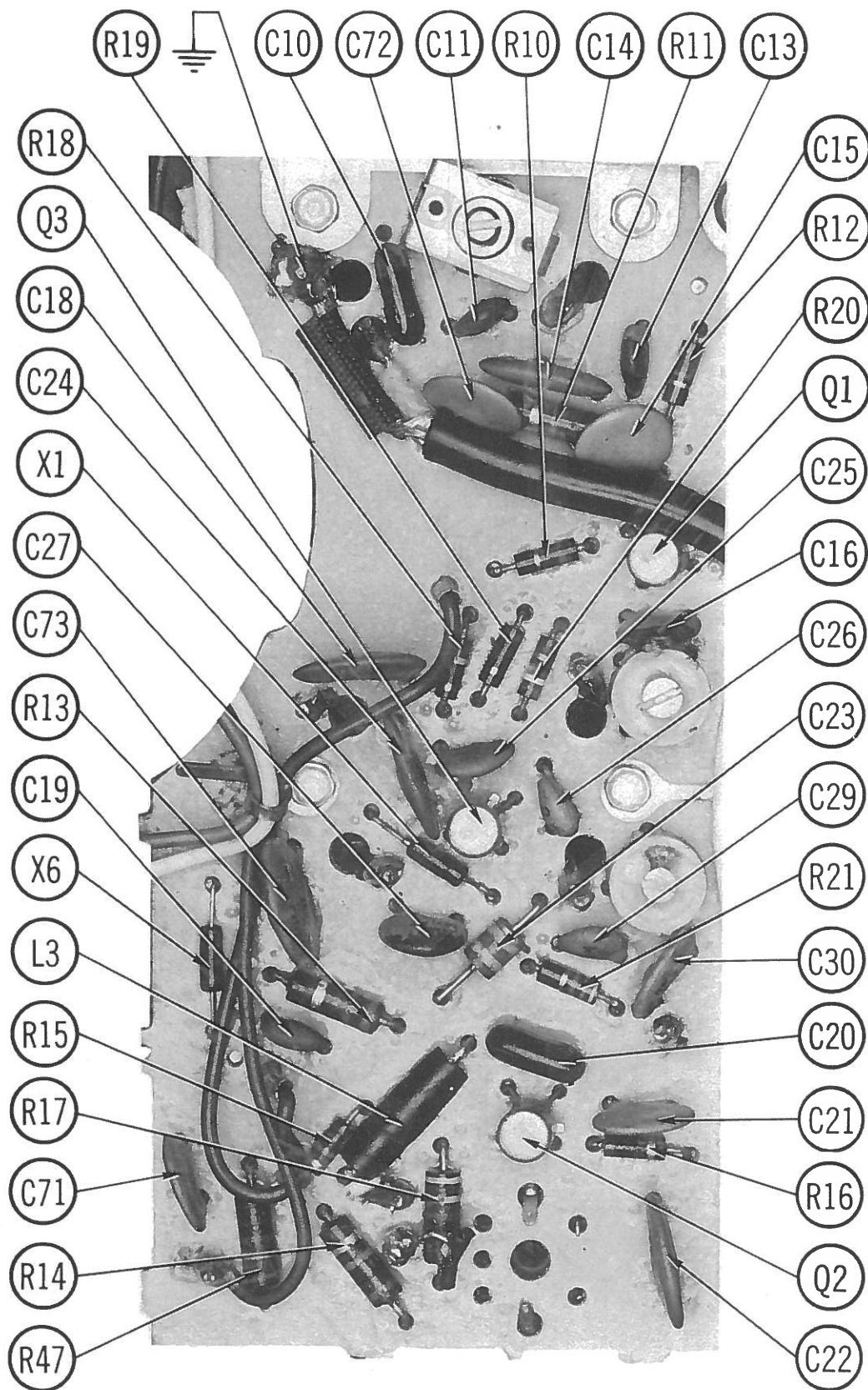
1. Voltage measurements taken with vacuum tube voltmeter.
2. All controls set for normal operation, no signal applied.
3. Measured values are from socket pin or terminal to common ground.
4. All terminals viewed from bottom unless otherwise designated.
5. Numbers assigned to terminals may not be found on the unit.
6. Supply voltage maintained at rated value for voltage readings.
7. Resistance measurements not given because of the wide variation in internal resistance of transistor.

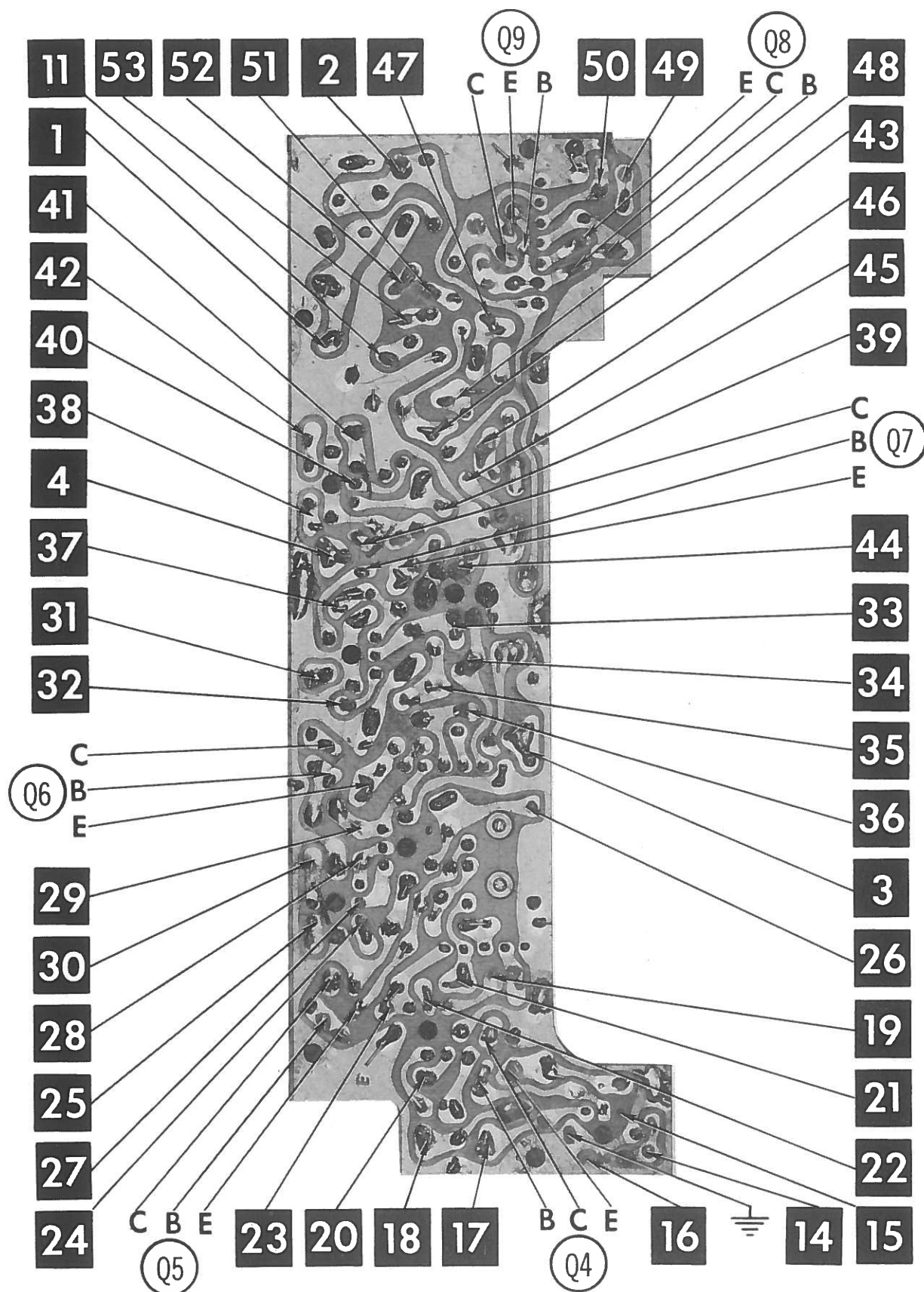
A PHOTOFACT STANDARD NOTATION SCHEMATIC with **CircuitTrace**

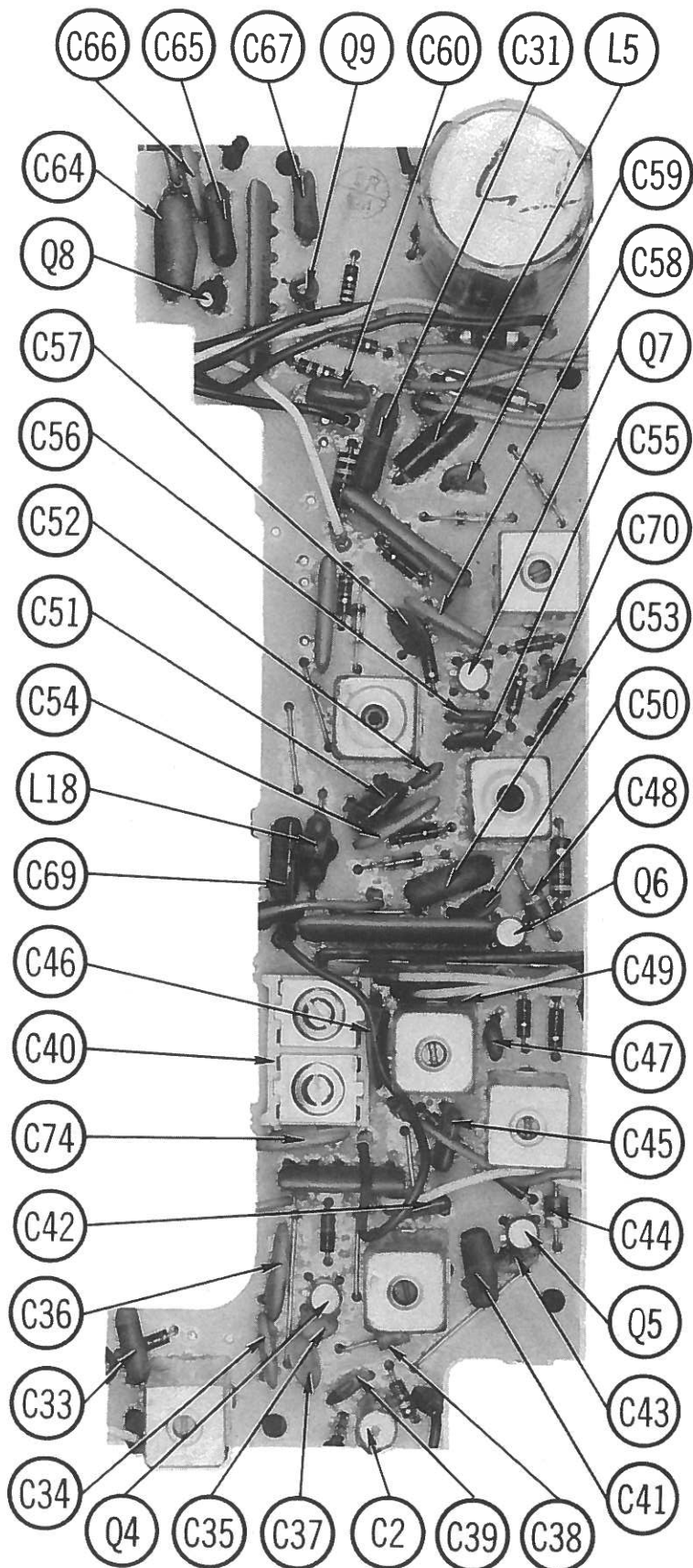
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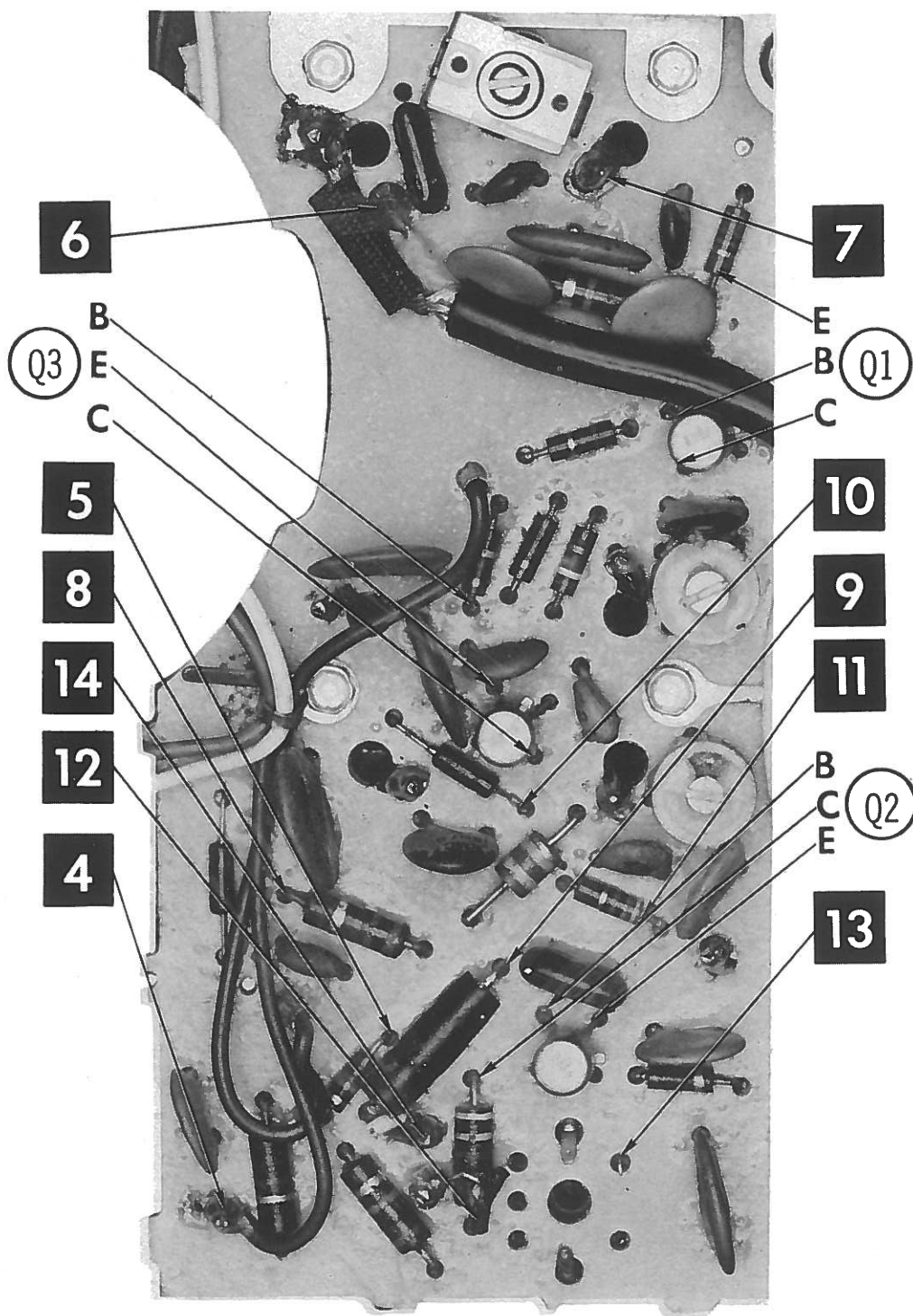


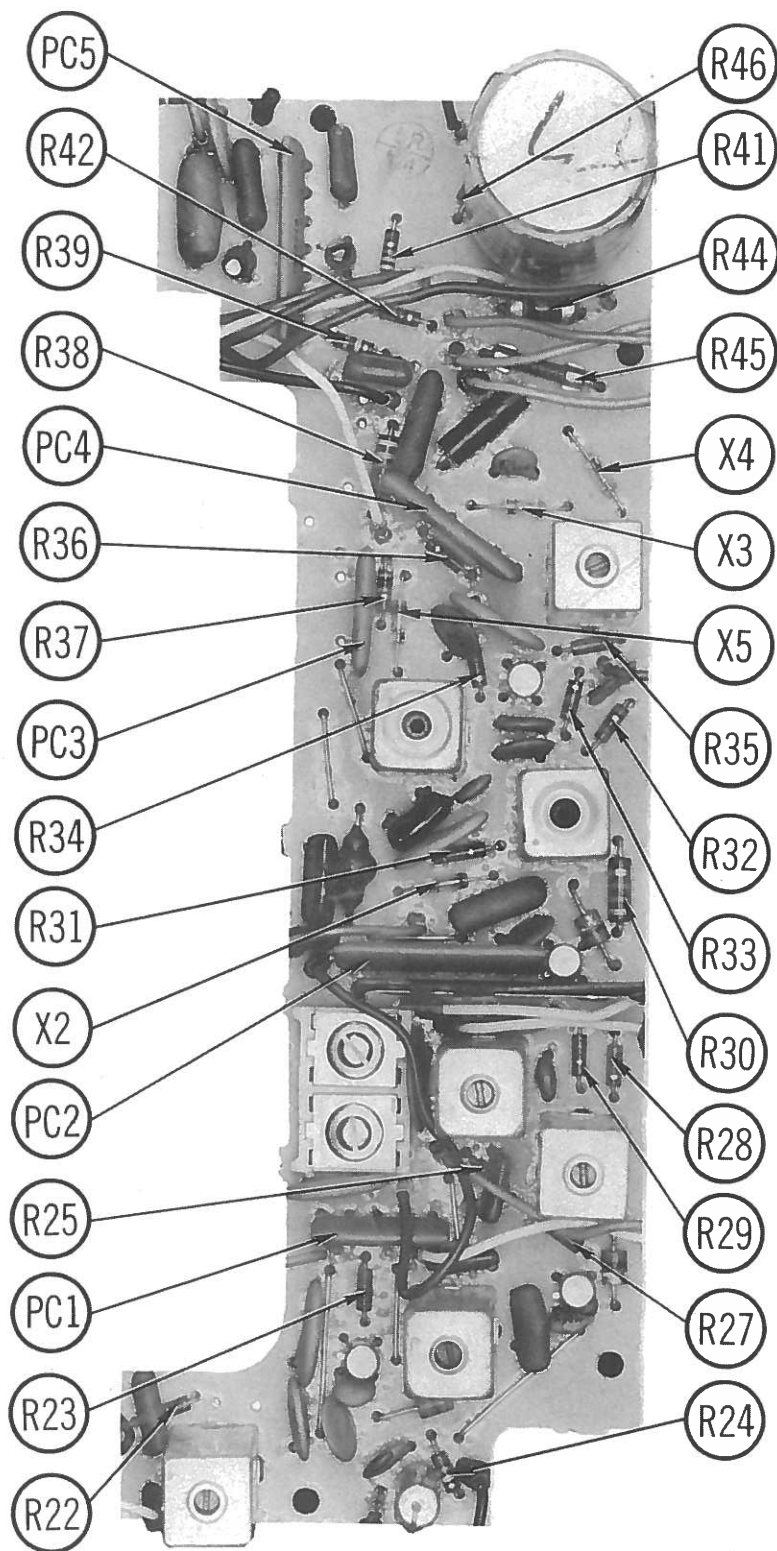
MOPAR MODELS 369, 370, 374, 375, 378, 385











PARTS LIST AND DESCRIPTION

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

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

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

WIRING DATA

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

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				BENDIX PART No.	NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q1		FM RF Amp	DS-81	GE-11	TR-22	SK-3018	2092417-0711	NPN
Q2		FM Mixer	DS-81	GE-11	TR-22	SK-3018	2092417-0712	NPN
Q3		FM Oscillator	DS-74	GE-11	TR-22	SK-3018	2092417-0713	NPN
Q4		AM RF Amp-1st FM IF Amp	DS-74	GE-11	TR-21	SK-3018	2092418-0715	NPN
Q5		AM Converter-2nd FM IF Amp	DS-74	GE-11	TR-21	SK-3018	2092418-0716	NPN
Q6		AM IF Amp-3rd FM IF Amp	DS-74	GE-11	TR-21	SK-3018	2092418-0717	NPN
Q7		FM Limiter	DS-74	GE-11	TR-21	SK-3018	2092418-0716	NPN
Q8		AF Amp	DS-66	GE-10	TR-21	SK-3020	2092609-0707	NPN
Q9		Driver	DS-66	GE-10	TR-21	SK-3020	2092609-0002	NPN
Q10		Output	DS-520	GE-3	TR-01	SK-3009	2091859-0714	PNP
Q11	2N1227A	Output	DS-520	GE-3	TR-01	SK-3001	2091859-0714	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1		2092055-0003					
X2		2092055-0001	1N34AS	1N34A			
X3		2092055-0007	1N60	1N60			
X4		2092055-0007	1N60	1N60			
X5		2092055-0001	1N34AS	1N34A			
X6		2092055-0005					

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		BENDIX PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	1000 16V	2092983-0705	AFH3-00-98					TVLS-3027.9
B	700 16V							
C	700 16V							
C2	50 8V	2093667-0711	CRE417A	EA15-50	NLW50-10	MT1-16	TT10X50	TE-1119

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C10	47	10%	ADM-15-470	CPR-47J	CD15E470K500	DM-10-470K	SX447	MS-447
C11	6.8 NPO	5%	NPO-DI 6.8	DTZ-6R8	CZ601CH6R8D	CCTO-6R8	CNO568	10TCC-V68
C12	4-25pf							
C13	6.8 NPO	5%	NPO-DI 6.8	DTZ-6R8	CZ601CH6R8D	CCTO-6R8	CNO568	10TCC-V68
C14	68 NPO	10%	NPO-DI 68	DTZ-68	CX601CG680K	CCTO-680	CNO468	10TCC-Q68
C15	.005		TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C16	22 NPO	10%	NPO-DI 22	DTZ-22	CY601CG220K	CCTO-220	CNO422	10TCC-Q22
C17	4-20pf							
C18	68 NPO	10%	NPO-DI 68	DTZ-68	CX601CG680K	CCTO-680	CNO468	10TCC-Q68
C19	5.6 NPO	10%						10TCC-V56
C20	220	5%	ADM-15-221	CPR-220J	CD15F221J500	DM5-220J	SX322	MS-322
C21	.005		TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C22	.005		TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C23	.47pf	5%		TCZ-R5	HOY101ZV502P	CCD-502	TA250	TG-D50
C24	.005		TTD-005	CK-502	HOY101ZV502P	CCD-502	CNO427	10TCC-Q27
C25	27 NPO	5%	NPO-DI 2.2	DTZ-2R2	CZ601CJ2R2D	CCTO-2R2	CNO522	10TCC-V22
C26	2.2 NPO	±.25						
C27	18 N75	5%						
C28	3-8pf							
C29	4.3	10%	NPO-DI 4.7	DTZ-4R7	HOY101ZV502P	CCTO-4R7	CNO547	10TCC-V47
C30	.005		TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C31	.05	100V	DBE6S5		DPMS6S5	6DP-3-503	PVC615	6PS-S50
C32	7-100							
C33	.0068	10%	DBE6D68		DMF4D68-10	1MDF-1-682	PVC6268	225P68291
C34	.0018	10%	DI-1800	DD-182	JBX601YP182K	CCS-182	GP218	10TS-D18
C35	15 N180	10%						
C36	.01		TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C37	.005		TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C38	.62pf	10%		TCZ-R68				
C39	39 N750	10%		TCN-39		CCTN-390	CN7439	10TCU-Q39
C40	330-390pf							
B	160							
C	310-370pf							
C41	.012 25V	10%	DBE4S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C42	.01	10%	DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C43	15 N180	10%						
C44	1	10%		TCZ-1			CNO510	10TCC-V10
C45	.01	10%	DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-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		REMARKS	REPLACEMENT DATA						
				AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C46	150	N470 5%	②	DI-330	DD-331	JBZ601YP331K	*	*	10TCT-T15	
C47	330	10%		NPO-DI 1.0	TCZ-1				GP331	10TS-T33
C48	1	10%		TTD-01	CK-103	HOY101ZV103P	CCD-103	CNO510	10TCC-V10	
C49	.01			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA110	TG-S10	
C50	.005			ADM-19-561	CPR-560J	CD19F561K500	DM5-560K	TA250	TG-D50	
C51	560	10%		DI-270	DD-271		CCD-271	SX356	MS-356	
C52	270	10%		DBE2P1		DMF2P1	2DP-3-104	GP327	10TS-T27	
C53	.1	25V		TTD-01	CK-103	HOY101ZV103P	CCD-103	PVC201	2PS-P10	
C54	.01			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA110	TG-S10	
C55	.005			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50	
C56	.005			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50	
C57	.005			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50	
C58	.01			TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10	
C59	150			DI-150	DD-151		CCD-151	GP315	10TS-T15	
C60	.1	25V		TTD-1	CK-104	HOV101ZV104Z		TA010	TG-P10	
C61	.1	10V		TTD-1	CK-104	HOV101ZV104Z		TA010	TG-P10	
C62	.068	10%		DBE4S68		DMF4S68	4DP-3-683	PVC6168	4PS-S68	
C63	.1	25V		DBE2P1		DMF2P1	2DP-3-104	PVC201	2PS-P10	
C64	.2	25V 10%		DBE4P22		DMF4P22	4DP-5-224	PVC4022	4PS-P22	
C65	.0027	25V 10%		BE6D27		WMF1D22	1MDF-1-272		225P27291	
C66	1mfd	3V			UK-105				HY-335	
C67	.01	25V 10%		DBE4S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10	
C68	.068	10%		DBE4S68		DMF4S68	4DP-3-683	PVC6168	4PS-S68	
C69	.05	25V 10%		DBE2S47		DMF2S47	4DP-3-473	PVC2147	2PS-S47	
C70	.005			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50	
C71	.005			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50	
C72	.005			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50	
C73	.005			TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50	
C74	.01			TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10	
C75	260			#2093050-0710						
C76	260			#2093050-0710						
C77	260			#2093050-0710						
C78	260			#2093050-0710						

① Models 385 (7FBVA), 369 (7FBP), 370 (7FBD), 374 (7FBP4) use Part Number 2093466-0706.

② Models 369 (7FBD), 374 (7FBP4) use .05 @ 100V Part Number 2094547-0701.

③ Not used in Model 374 (7FBP4).

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			BENDIX PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume/Switch	150K Tap @ 75K	2056879-0501				
	Tone	100K	2093471-0705				
	Volume/Switch	150K Tap @ 75K					
R2	Tone	100K	2057080-0505				

① Includes gear assembly and Mounting bracket.

② Used in Models 375 (7FBC), 378 (7FBD).

③ Used in Models 369 (7FBP), 370 (7FBD), 374 (7FBPD), 385 (7FBVA).

④ Tone control assembly, includes Wheel Hub and Tone Control.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	BENDIX PART No.			IRC PART No.	WORKMAN PART No.	BENDIX PART No.
R44	4.5Ω (Cold) Thermistor			220629-0016	R45	.22 (PTC)			2090948-0007

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		BENDIX PART No.	MEISSNER Part No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	FM Antenna	①				
L2	FM RF	①				
L3	RF Choke (1uh)	2092210-0005	19-1000	BC-561	4602	T855
L4	FM Oscillator	①				
L5	RF Choke (1uh)	2092210-0005	19-1000	BC-561	4602	T855
L6	FM Input IF	2093587-0706				
L7	FM Interstage IF	2093587-0708				
L8	RF Choke (2uh)	2092210-0007	19-1002	BC-563	74F226AP	TA812
L9	AM Antenna	①				
L10	FM Interstage IF	2093587-0702				
L11	AM RF	①				
L12	AM Oscillator	①				
L13	FM Interstage IF	2093587-0703				
L14	AM Input IF	2092419-0720				
L15	FM Interstage IF	2093587-0709				
L16	AM Output IF	2092419-0716				
L17	Discriminator	2093856-0703				
L18	RF Choke (85uh)	2092210-0711	19-3100	TV-194	6112	T305

① Part of M1 or Coil Assembly, Part Number 2057171-0005.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	BENDIX PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L19	.2 Amp	.2Ω	1.5mh	2090520-0711	C-4124	TC-1	TR-157	TY16XT	

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.

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO			REPLACEMENT DATA					NOTES
				BENDIX PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC. 1	SEC. 2						
T1	2.2	1		2092192-0706					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
			BENDIX PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.						
T2	25Ω	8Ω	2094696-0703					
	60	1						

SPEAKER

ITEM No.	TYPE		REPLACEMENT DATA			NOTES
			BENDIX PART No.	JENSEN PART No.	QUAM PART No.	
SP1	4" X 10" PM	8Ω	2093913-0701①	410A2210	P4X10U8	
	4" X 10" PM	8Ω	2093913-0702②	410A2210	P4X10U8	
	4" X 10" PM	8Ω	2093813-0703③	410A2210	P4X10U8	

① Used in Models 369 (7FBP), 370 (7FBD), 375 (7FBC), 378 (7FBDD)

② Used in Model 385 (7FBVA)

③ Used in Model 374 (7FBPD)

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	AGC-5	2091811-0018		AGC5		311005	

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	PART No.	REPLACEMENT DATA
PC1	IF Network	22K, 18K, 56K, 3300Ω	2093581-0702	
PC2	IF Network	150Ω, 10K, 1000Ω, 33K, 1200Ω	2093582-0702	
PC3	AM Detector Network	.001, .001, 1000Ω	2094692-0702	
PC4	Discriminator Network	47K, 47K, 22K, 470K	2093584-0701	
PC5	Audio Bias Network	8200Ω, 330Ω, 33K, 47K, 220Ω	2056739-0703	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M1	Tuner (AM-FM)	2093549-0522	Complete Model 378 (7FBDD)
	Tuner (AM-FM)	2093549-0519	Complete Models 369 (7FBP), 385 (7FBVA)
	Tuner (AM-FM)	2093549-0520	Complete Model 370 (7FBD)
	Tuner (AM-FM)	2093549-0521	Complete Model 375 (7FBC)
	Tuner (AM-FM)	2093549-0523	Complete Model 374 (7FBPD)
	Coil Assembly (AM-FM)	2057171-0005	Includes Board
S1	AM-FM Switch	2057269-0502	Models 378 (7FBDD), 369 (7FBP), 385 (7FBVA), 370 (7FBD), 375 (7FBC)
	AM-FM Switch	2057269-0501	Model 374 (7FBPD)
	Printed Circuit Board	2056693-0505	(Includes Components) (AM-FM IF-AM RF)
	Printed Circuit Board	2056693-0506	(Includes Components) (FM-RF)
	Printed Circuit Board	2056696-0005	(Volume Control)

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
MODEL 378 (7FBDD)		MODEL 374 (7FBPD)	
Escutcheon	2094978-0501	Escutcheon	2056737-0501
Dial Glass	2057014-0001	Dial Glass	2094845-0001
Push Button	2056524-001	Push Button	2056560-0001
Pointer and Arm Assembly	2090129-0094	Pointer and Arm Assembly	2090129-0095
Bezel	2056678-0502	Knob, Volume and Tuning	2057004-0001
MODEL 369 (7FBP)		Knob, Tone and Arm-FM Switch	2057005-0001
Escutcheon	2093579-0505	MODEL 375 (7FBC)	
Dial Glass	2093513-0001	Escutcheon	2094978-0502
Push Button	2056519-0001	Dial Glass	2056674-0001
Pointer and Arm Assembly	2090129-0092	Push Button	2056549-0001
Knob, Volume and Tuning	2094333-0001	Pointer and Arm Assembly	2090129-0093
Knob, Tone and AM-FM Switch	2094334-0001	Bezel	2056695-0502
Bezel	2094335-0001	MODEL 385 (7FBVA)	
MODEL 370 (7FBD)		Escutcheon	2093579-0505
Escutcheon	2093579-0505	Dial Glass	2056506-0001
Dial Glass	2094263-0001	Push Button	2056519-0001
Push Button	2056524-0001	Pointer and Arm Assembly	2090129-0092
Pointer and Arm Assembly	2090129-0092	Knob, Volume and Tuning	2093493-0501
Knob, Volume and Tuning	2094340-0001	Knob, Tone and AM-FM Switch	2093494-0501
Knob, Tone and AM-FM Switch	2094341-0001		