



PHOTOFACT[®] with

CIRCUITRACE[®]

TRADE NAME : Volkswagen Models:
6TMVG (1966 Karmann Ghia)
6TMVT (1966 Transporter)
6TMVW (1966 Sedan)
For Current Address, See Annual Index.

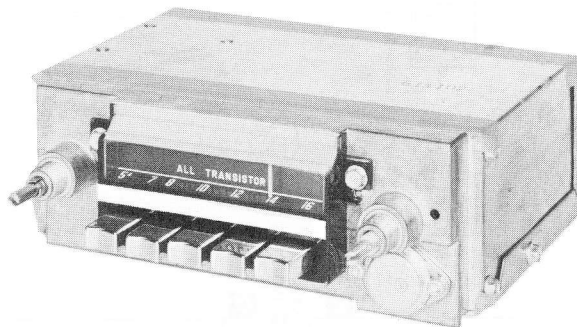
SUPPLIER:

TYPE SET: 6 Transistor AM Receiver

POWER SUPPLY: 6 Volt Storage Battery

RATING: .870 Amp. @ 6.3 Volts DC

TUNING RANGE: BROADCAST 540-1615KC



ALIGNMENT INSTRUCTIONS

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

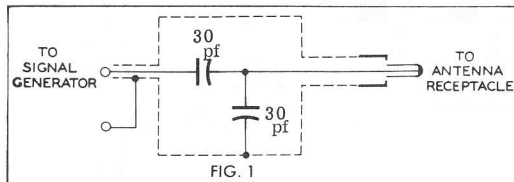
A1 thru A7.

GENERAL CEMENT: 5009, 8987, 8728A
WALSCO: 2531-X, 2536

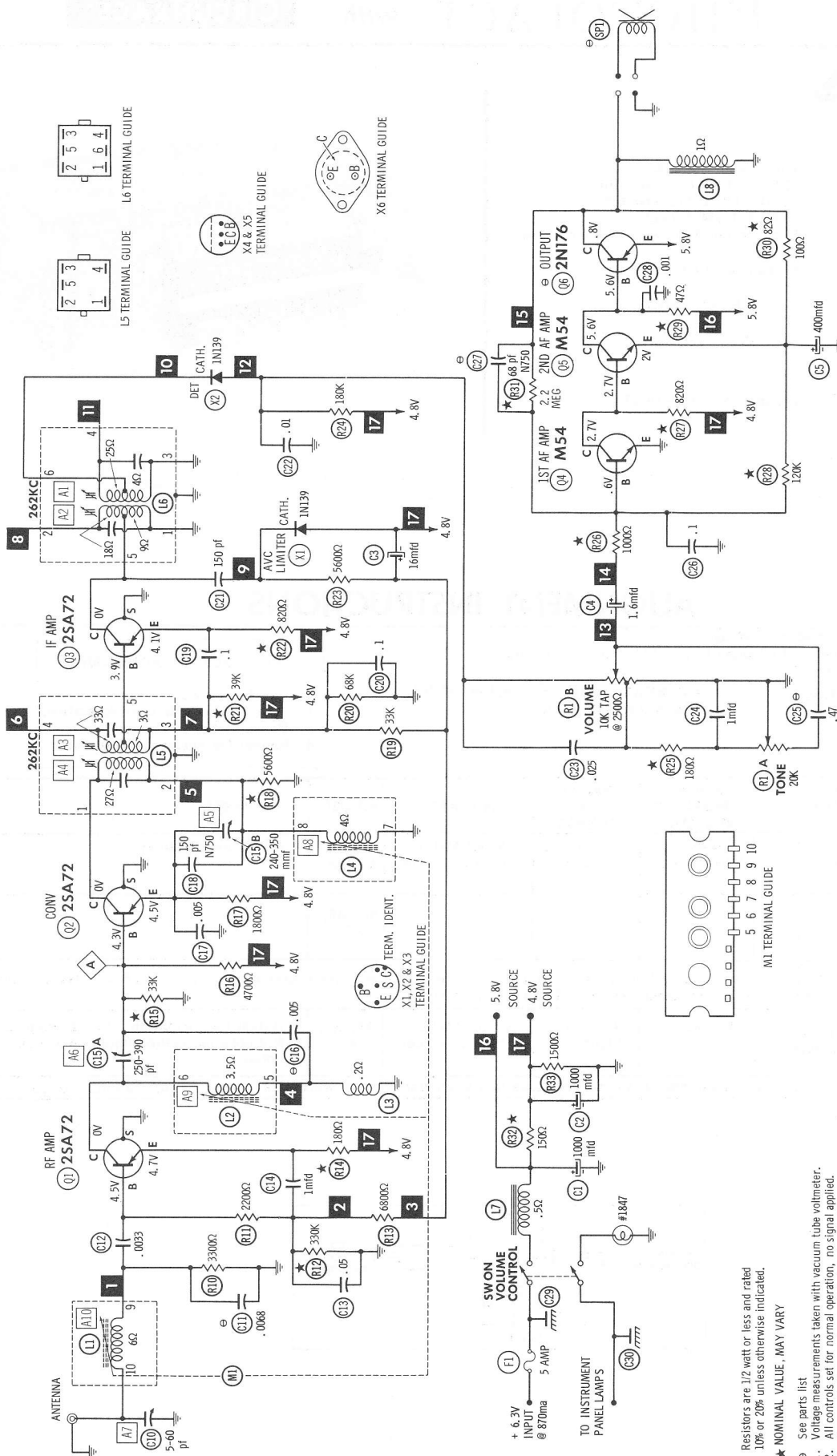
PUSH-BUTTON ADJUSTMENT

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 A , low side to ground.	262KC (400 μ Mod.)	High Freq. End Stop.	Output Meter across voice coil.	A1, A2, A3, A4	Adjust for maximum.
2.	Thru dummy (Fig. 1) to antenna receptacle.	1615KC	"	"	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 (Fig. 1) to antenna receptacle.	1000KC	Tune to Signal.	Output Meter across voice coil.	A8, A9, A10	Adjust for maximum. Repeat steps 2 & 3 until no further improvement is noted.
With radio installed in car and antenna fully extended, tune in a weak station near 1400KC and adjust A7 for maximum output.						

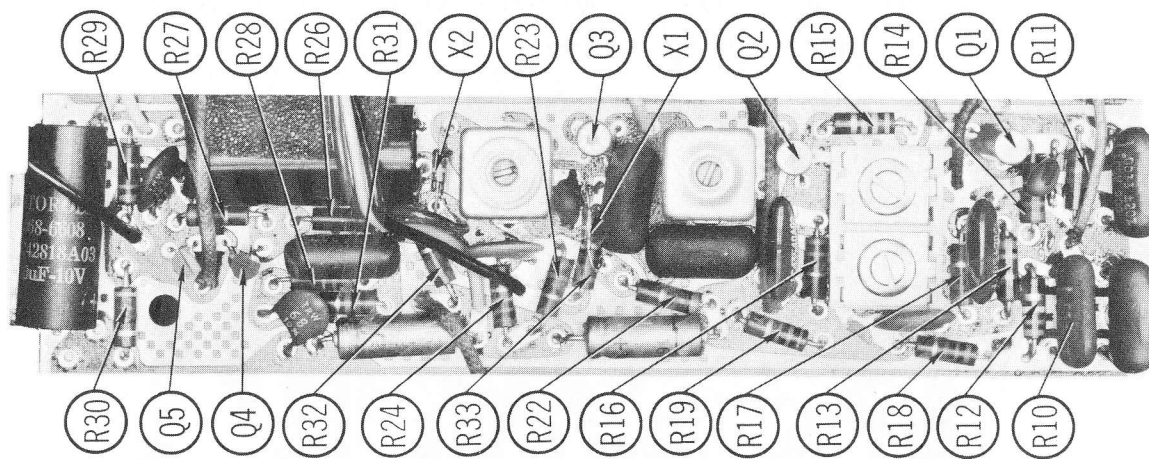
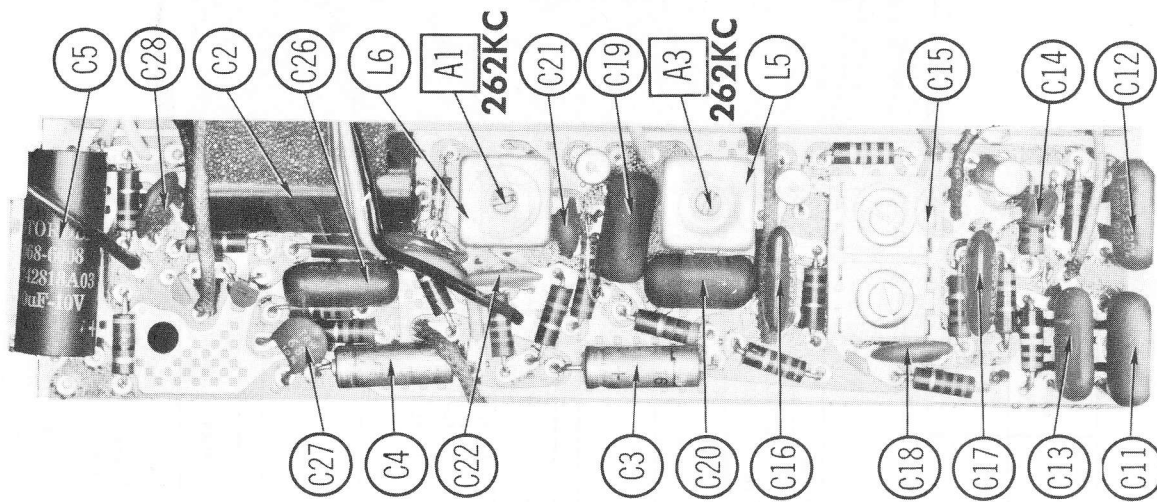
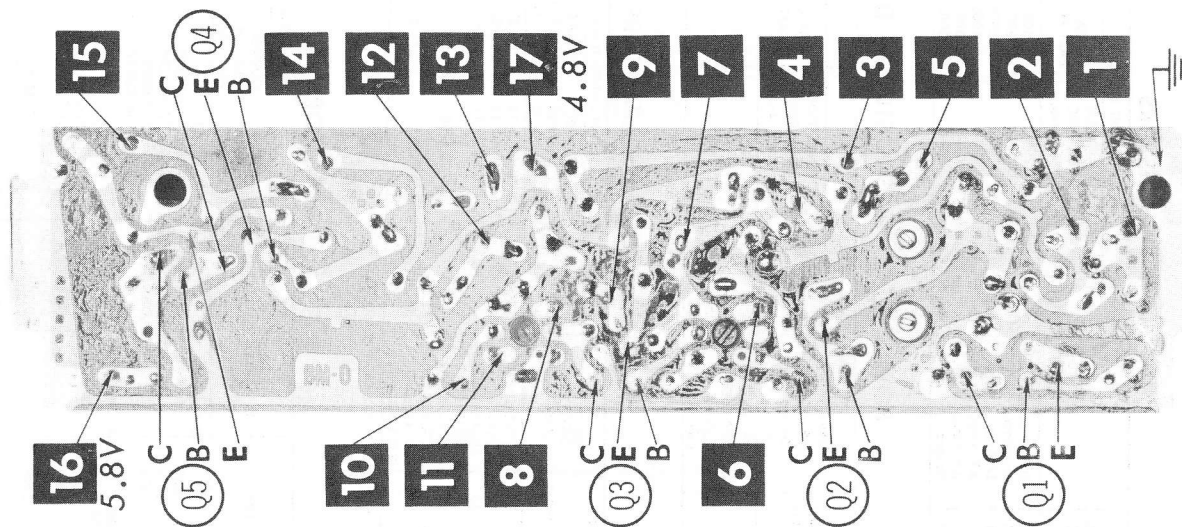


VOLKSWAGEN MODELS 6TMVG, 6TMVT, 6TMVW



**VOLKSWAGEN MODELS 6TMVG,
6TMVT, 6TMVW**

A PHOTOFACT STANDARD NOTATION SCHEMATIC
with **CIRCUITACE**
© Howard W. Sams & Co., Inc. 1966



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.

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES	MOTOROLA PART No.
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.		
Q1	2SA72	RF Amp.	DS-25	GE-9	SK-3008	PNP	48S134797
Q2	2SA72	Converter	DS-25	GE-9	SK-3008	PNP	48S134797
Q3	2SA72	IF Amp.	DS-25	GE-9	SK-3008	PNP	48S134797
Q4	M64	AF Amp.	DS-66	GE-9	SK-3008	NPN	48S134809
Q5	M64	AF Amp.	DS-66	GE-9	SK-3008	NPN	48S134809
Q6	2N176	Output	DS-520	GE-3	SK-3009	PNP	48S134747

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		1N139 (48C134587)	1N295				
X2		1N139 (48C134587)	1N295				

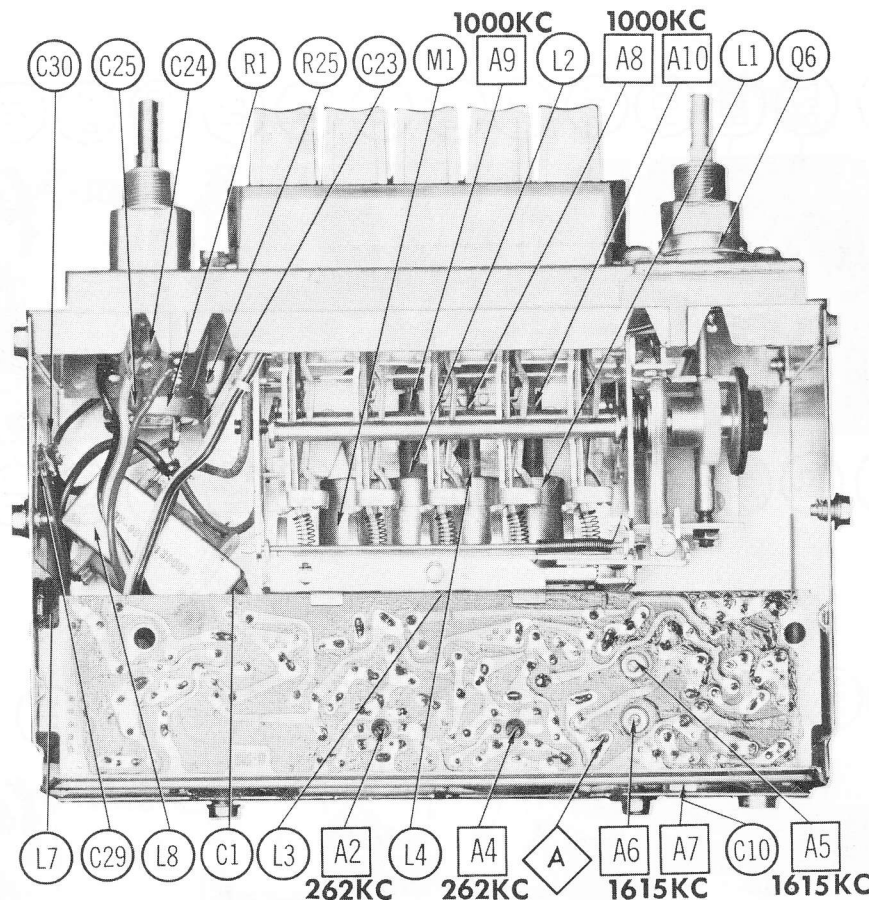
ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA				
	CAP.	VOLT.	MOTOROLA PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	SPRAGUE PART No.
C1	1000	10	23C41928A10	PRS1180	BR1000-12	QT1-32	TL-1142
C2	1000	10	23C41928A10	PRS1180	BR1000-12	QT1-32	TL-1142
C3	16	16	23C41928A10	CRE609A	NLW15-25	MT1-11	TT25X15
C4	1.6	25	23C41928A05	CRE601A	NLW2-50	MT1-1	TT50X2
C5	400	10	23C41928A05	PRS1170	BR500-15	QT1-30	TC1505

① When ordering from Motorola, Use this Part Number.

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.
C10	5-60	#20C4094A06	DBE6D68	CPR-6800J	WMF1D68	1DP-1-682	PVC4268
C11	.0068	†	DBE6D33	CPR-3300J	WMF1D33	6DP-1-332	PVC4233
C12	.0033		DBE685	UK-105	HXC3R0XR105P	6DP-3-503	PVC615
C13	.05						MAG31
C14	1000						
C15A	250-390	#20C40481A07	DBE6D5	CPR-5000J	DPMS6D5	1DP-1-502	PVC625
C16	.005	†	DBE6D5	CPR-5000J	DPMS6D5	1DP-1-502	PVC625
C17	.005		N750-DI150	DTN-150		CCTN-151	CNT315
C18	150	N750				6DP-3-503	PVC615
C19	.01	100V	DBE2P1		DMF2P1	2DP-3-104	PVC201
C20	.1	100V	DBE2P1			CCD-151	PG315
C21	150		TTD-01	CK-103	HXC3R0XR103P	CCD-103	TA110
C22	.01						TC-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

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.
C23	.025		TTD-025	CK-253	HOR101ZV253P		TA125	TG-S25
C24	1mfd			UK-105	HXC3R0XR105P		MAG31	HY-135
C25	.47			UK10-404			MAG12047	HY-330
C26	.1	100V	DBE2P1	DTN-68	DMF2P1	2DP-3-104	PVC201	2P8-P10
C27	.68	N750	N750-DI 68	DD-102	CS601UJ680K	CCTN-680	CN7468	10TCU-Q68
C28	.001		DI-1000		JBS601YP102K	CCD-102	GP210	10TS-D10
C29	.001	#64A41628A10						
C30	.001	#64A41628A10						

Motorola Part Number.

† Nominal Value.

CONTROLS

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

ITEM No.	USE	RESIST- ANCE	REPLACEMENT DATA				
			MOTOROLA PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Tone	20K	18C42340A01	F1-25K†		†QJ-1853A	FA24L†, RU14T53,
B	Volume/Switch	10K Tap @ 2500Ω	18C42540A01	R16-10K, FFS107, RFS200, KR-7			OS1437A, IS2000, US42

① Use original spring mounting clip.

† "CONCENTRIKIT" Equivalent: K8 ① Kit, with Base Elements and Shafts: B11-119, P17-115 (Panel)
B19-116X, R1-130 (Rear)
76-2 (Switch)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		MOTOROLA PART No.	MEISSNER Part No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	Antenna	①				
L2	RF	①				
L3	Image Trap (1.5uh)	24C40788A11	19-1001	BC-562	4604	T856
L4	Oscillator	①				
L5	Input IF	24D42517A01			8009	
L6	Output IF	24D42517A02			8010	

① Part of M1.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MOTOROLA PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L7	870ma	.5Ω	11MH	24D42032A07	C-4095	TC-2	TR-154	TY17XT	

CHOKE (AUDIO OUTPUT)

ITEM No.	INDUCTANCE	REPLACEMENT DATA					NOTES
		MOTOROLA PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L8	18MH	25D42101A06					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		MOTOROLA PART No.	QUAM PART No.		
SP1	5 1/4" PM	50C40261B01	57A1Z6	Model: 6TMVG	
	6" PM	50C42592A01	6A1Z6	Model: 6TMVT	
	5" PM	50C42526A01	5A15Z6	Model: 6TMVW	

FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
F1	AGA	5A	65R122345	9C41095A14	301005	155004	AGA 5	HA F

MISCELLANEOUS

ITEM No.	PART NAME	MOTOROLA PART No.	NOTES
M1	Tuner (Coil Assembly)	77D42372A03 1V42300A95	AT-587

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Dial Scale	34B40035B01	Dial Pointer	52B42600A03
Knob, Tuning or Volume	36C40252B01	Pushbutton	38D40009B01
Knob, Tone or Dummy	36C40039B01		