

PHOTOFACT[®] with

CIRCUITRACE[®]

TRADE NAME : Motorola Models:
 CE66A (1966 Chevelle)
 CR66A (1966 Corvair)
 CT66A (1966 Chevrolet)
 CY66A (1966 Chevy II)
 TM6A (Universal)
 SUPPLIER : For Current Address, See Annual Index.
 TYPE SET : 6 Transistor AM Receiver
 POWER SUPPLY : 12 Volt Storage Battery
 RATING : .7 Amp. @ 12.6 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 A4. GENERAL CEMENT: 9296, 9297, 9300
 WALSCO: 2510, 2546, 2547
 A5, A6, A7. GENERAL CEMENT: 8290, 8868, 9087
 WALSCO: 2525, 2528, 2587

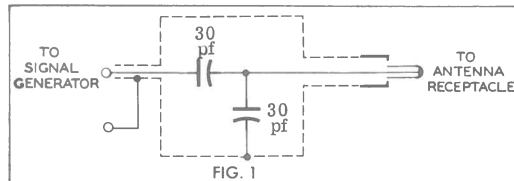
	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	High side thru .1mfd to point Δ , low side to ground.	262KC (400% Mod.)	High Freq. End Stop.	Output Meter across voice coil.	A1, A2, A3, A4	Adjust for maximum.
2.	Thru dummy (Fig. 1) to antenna receptacle.	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.

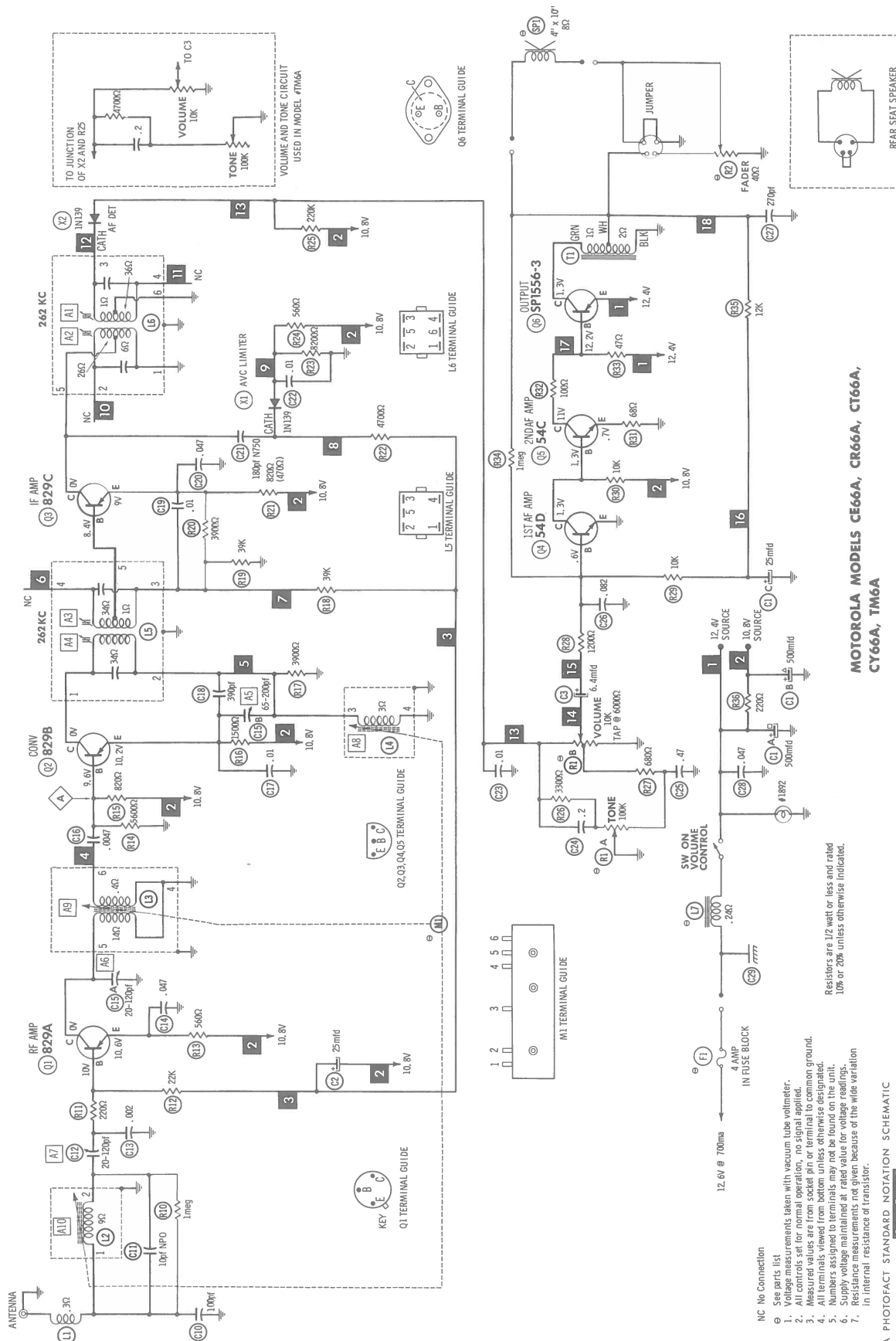
Antenna Adjustment (A7) located right rear.

PUSH-BUTTON ADJUSTMENT

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

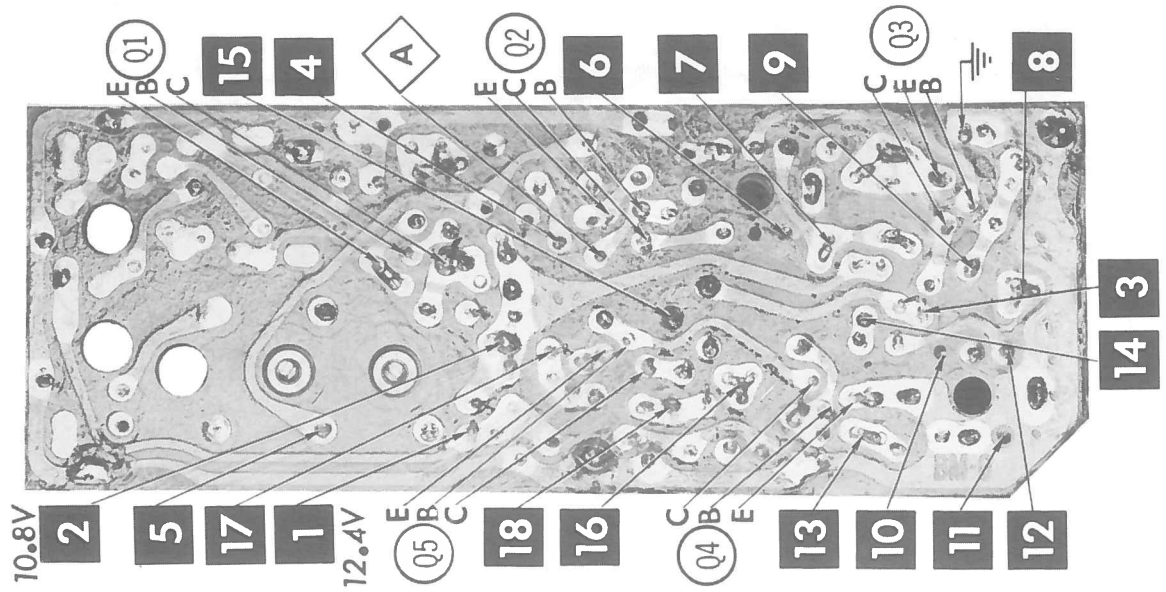
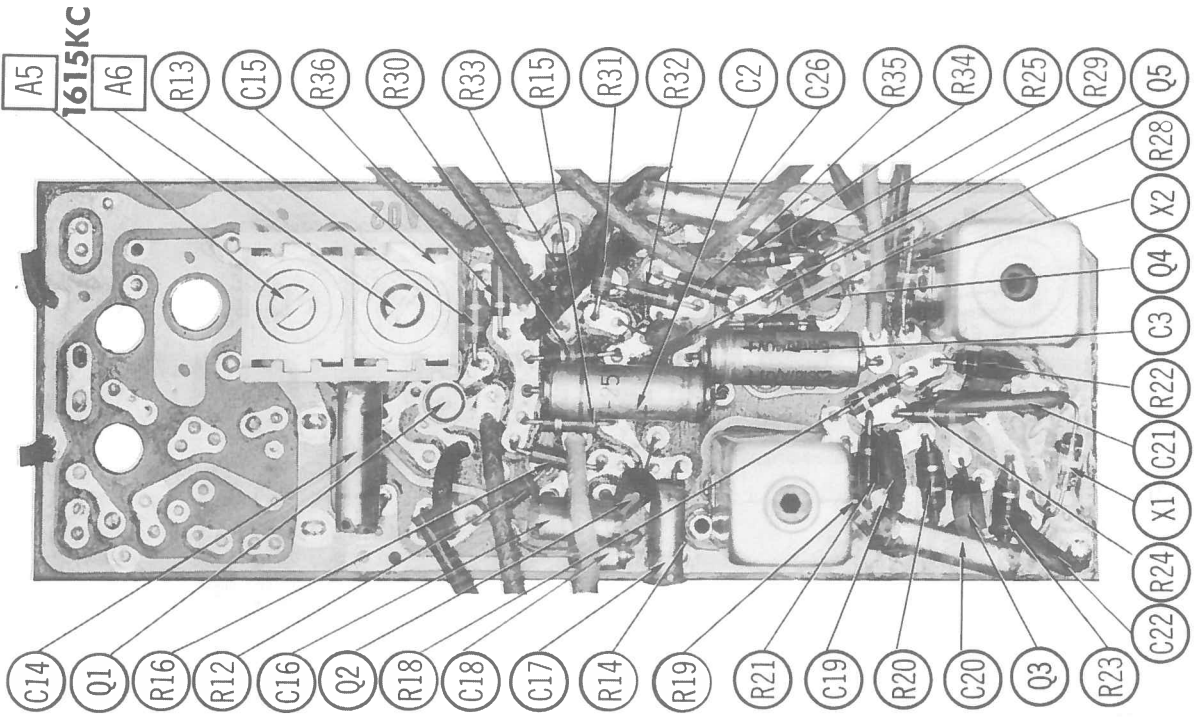


MOTOROLA MODELS CE66A, CR66A, CT66A, CY66A, TM6A



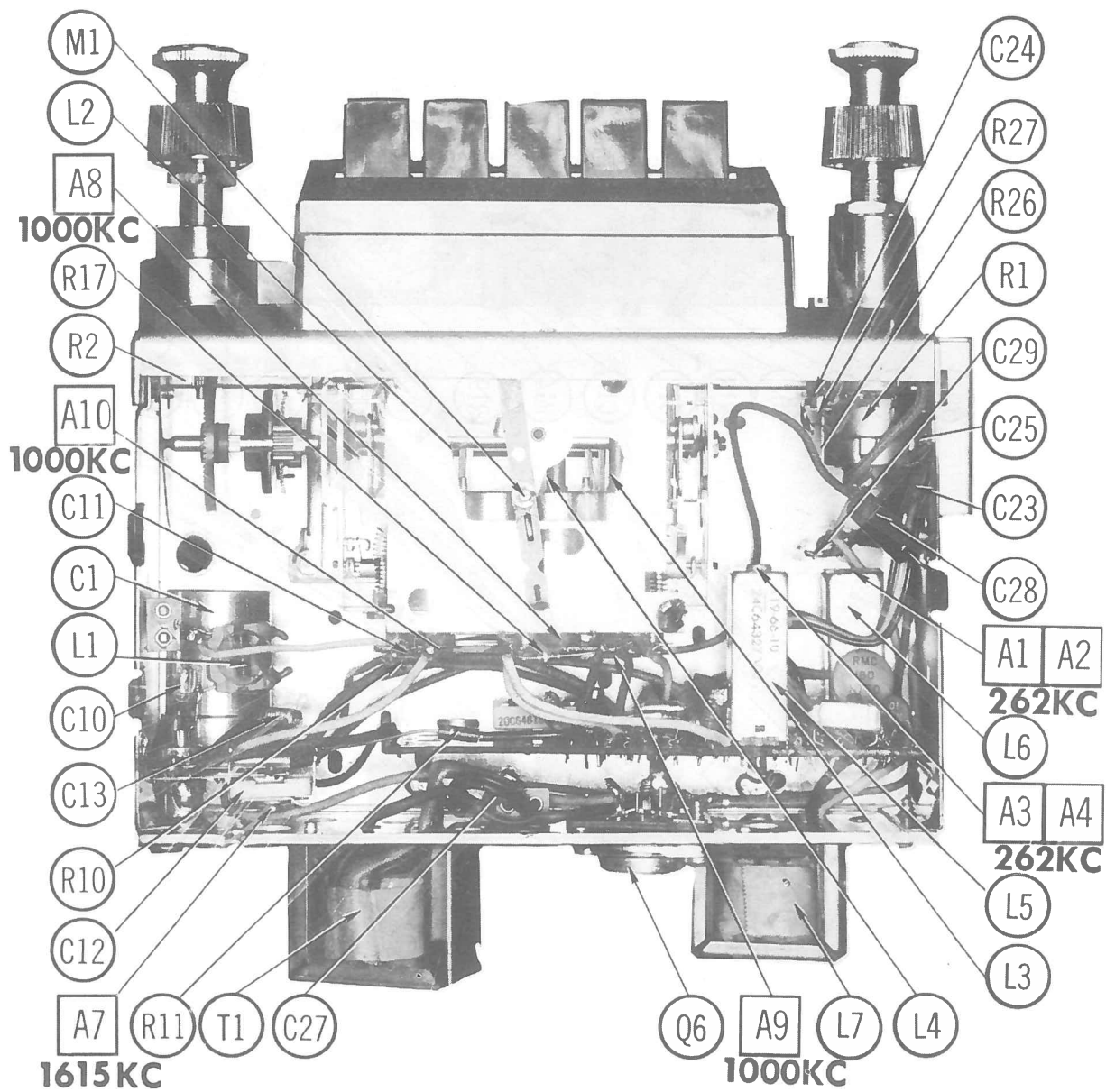
A PHOTOFACT STANDARD NOTATION SCHEMATIC

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MOTOROLA MODELS CE66A, CR66A, CT66A, CY66A, TM6A



PARTS LIST AND DESCRIPTION

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

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TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
Q1	829A	RF Amp.				PNP
Q2	829B	Converter				PNP
Q3	829C	IF Amp.				PNP
Q4	54D	AF Amp.	DS-66	GE-10	SK-3020	NPN
Q5	54C	Driver	DS-66	GE-10	SK-3020	NPN
Q6	SP15563	Output	DS-520	GE-3	SK-3009	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		1N139	1N295	1N295			
X2		1N139	1N295	1N295			

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	MOTOROLA PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	500	16	23S184A04	PWH3-00-94.7				
B	500	16						
C	25	16						
C2	25	25	23S187A02	CRE612A	NLW25-25	MT1-11	TT25X25	TE-1207
C3	6.4	40	23S187A01	CRE755A	NLW6-50	MT1-5	TT50X6	TE-1301.1

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.	
C10	100		NPO-DI 100	DTZ-100	CV601CG101K	CCTO-101	CN0310	10TCC-T10	
C11	10 NPO		NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CN0410	10TCC-Q10	
C12	20-120	#20B541014	DI-2000	DM-202	JBX601YP202K	483	GP220	5GAB-D22	
C13	.002		DBE2S47		DMF2S47	CCD-202	PVC2147	2PS-S47	
C14	.047 100V					4DP-3-473			
C15A	20-120	#20C64618A03							
E	65-200								
C16	.0047		DBE6D47	CPR-4700J	CD19F472J500	DM-19-472	SX247	MS-247	
C17	.01 100V		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C18	390			CPR-390J	CD15F391K500	DM-10-391	SX339	MS-339	
C19	.01 100V		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C20	.047 100V		DBE2S47		DMF2S47	4DP-3-473	PVC2147	2PS-S47	
C21	180 N750			TCN-180					
C22	.01 100V		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C23	.01 100V		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C24	.2 10V			UK10-204	HCZ3R0XR224P	1DP-3-204	MAG25022	2PS-P20	
C25	.47 3V				DMF2P47	2DP-5-474	PVC2047	2PS-P47	
C26	.082		DBE6D82	CPR-8200J	DPMS6882	6DP-4-823	GEM10182	6PS-S82	
C27	270			CPR-270J	CD15F271J500	DM-15-271	SX327	MS-327	
C28	.047 50V		DBE2S47		DMF2S47	4DP-3-473	PVC2147	2PS-S47	
C29		#64A530178							

Motorola Part Number.

MOTOROLA MODELS CE66A, CR66A, CT66A, CY66A, TM6A

PARTS LIST AND DESCRIPTION (CONTINUED)

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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	100K	18C64588A11	F1-100K ⑥, R16-10K, FFS113, RFS211, KR-4		†QJ-2237A	FA15L ⑥, RU14T53, OS1812A, IS2687, US41
B	Volume/Switch	10K Tap @ 6000Ω	18C64588A06	F1-100K ⑥, R16-10K, FFS203, RFS212, KR-4		††QJ-1925A	FA15L ⑥, RU14T53, OS2187, IS2750, US41
	Tone	100K	18C64588A12	F1-100K ⑥, R16-10K, FFS109, RFS206, KR-4		†††QJ-2238A	FA15L ⑥, RU14T53, OS1562A, IS2375, US41
	Volume/Switch	10K Tap @ 6000Ω	18C64062A01	F1-100K ⑥, R16-10K, FFS107, RFS200, KR-4		††††QJ-2239A	FA15L ⑥, RU14T53, OS1437A, IS2000, US41
	Tone	100K	18C64668A03	R2-100K, R1-10K, FFS114, RFS205, BA104, CA005, KR-4		†††††QJ-1929A	■ UE4453S
	Volume/Switch	10K					
R2	Fader	40Ω 2W	18B64440A07			*QJ-2240A	
	Fader	40Ω 2W	18B64440A06			**QJ-2241A	

- † "CONCENTRIKIT" Equivalent: K8 ⑥, Kit, with Base Elements and Shafts: B11-128, P17-126 (Panel)
B19-116X, R1-218 (Rear)
76-1 (Switch)
- †† "CONCENTRIKIT" Equivalent: K8 ⑥, Kit, with Base Elements and Shafts: B11-128, P14-206 (Panel)
B19-116X, R9-222 (Rear)
76-1 (Switch)
- ††† "CONCENTRIKIT" Equivalent: K8 ⑥, Kit, with Base Elements and Shafts: B11-128, P17-118 (Panel)
B19-116X, R9-208 (Rear)
76-1 (Switch)
- †††† "CONCENTRIKIT" Equivalent: K8 ⑥, Kit, with Base Elements and Shafts: B11-128, P22-115 (Panel)
B19-116X, R1-130 (Rear)
76-1 (Switch)
- ††††† "CONCENTRIKIT" Equivalent: K8 Kit, with Base Elements and Shafts: B13-128, P17-118 (Panel)
B11-116, R1-130 (Rear)
QCB5A ⑦ (Bushing)
76-1 (Switch)
- "SNAPTROL" Equivalent: BU15A ⑦, CF5Z, CR5, SF12, SR47, GC.
- "STA-LOC" Equivalent: FJ15L, RU14L, OS1437A, IS1937, US41.
- * "SNAPTROL" Equivalent: WF18, None, SF18, None.
- ** "SNAPTROL" Equivalent: WF18, None, SF5, None.
- ① Used in Model: CE66A. ② Used in Model: CR66A. ③ Used in Model: CT66A.
- ④ Used in Model: CY66A. ⑤ Used in Model: TM6A. ⑥ Use Original spring mounting clips.
- ⑦ Alter bushing to meet requirements.

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 Loading	24B64785A03	19-1001	BC-562	74F186AP	T810
L2	①					
L3	①					
L4	①					
L5	Input IF	24C64327A03				
L6	Output IF	24C64327A02				

① Part of M1 or Coil Assembly.

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.	
L7	.7A DC	.24Ω	1.9MH	25C64172A08	C-4095	TC-1	TR-157	TY16XT
	.7A DC	.23Ω	2.5MH	25C64172A05	C-4095	TC-1	TR-157	TY16XT

Used in Models: CE66A,
CY66A, CT66A, TM6A
Used in Model: CR66A.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	MOTOROLA PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	T1	22.4Ω Tap @ 8Ω	25D64129A03					

PARTS LIST AND DESCRIPTION (CONTINUED)

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FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
F1	3AG AGA 5	4Amp. 250V 5 Amp.	① ②	In Fuse Block 45K538873	312004 301005	155004	AGC 4 AGA 5	HAF

① Used in Models: CE66A, CR66A, CT66A and CY66A. ② Used in Model: TM6A.

SPEAKER

ITEM No.	TYPE				REPLACEMENT DATA		NOTES
					MOTOROLA PART No.	QUAM PART No.	
SP1	4" x 10"	PM	8Ω	1C64290A03	410A2Z8		Used in Models: CE66A and CY66A.
	6" x 9"	PM	8Ω	1D64324A02	69A1Z8		Used in Model: CR66A.
	4" x 10"	PM	8Ω	1C64290A02	410A2Z8		Used in Model: CT66A.
	5" x 7"	PM	8Ω	50C64137A01	57A19Z8		Used in Model: TM6A.

MISCELLANEOUS

ITEM No.	PART NAME	MOTOROLA PART No.	NOTES
M1	Tuner	77A43039A04	AT-578, Model: CE66A.
	Coil Assembly	1V43800A36	Model: CE66A.
	Tuner	77D43039A03	AT-589, Model: CR66A.
	Coil Assembly	1V43800A36	Model: CR66A.
	Tuner	1U43500A07	AT-582, Model: CT66A.
	Coil Assembly	1V43800A36	Model: CT66A.
	Tuner	77D43039A05	AT-595, Model: CY66A.
	Coil Assembly	1V43800A36	Model: CY66A.
	Tuner	77D42935A05	AT-568, Model: TM6A.
	Coil Assembly	1V43800A36	Model: TM6A.

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
MODEL CE66A		MODEL CT66A (Cont'd)	
Escutcheon	13D64048A01	Knob-Tuning or Volume	36B64334A01
Dial Glass	34B64034A01	Knob-Tone or Fader	36C64333A01
Pushbutton-1st., 3rd., 5th.	38C40283B02	Dial Pointer	52C42062A28
2nd. and 4th.	38C40283B01		
Knob-Tuning or Volume	36B64334A01	MODEL CY66A	
Knob-Tone or Fader	36B64047A01	Escutcheon	13D64089A01
Dial Pointer	52C42062A31	Dial Glass	34B64056A01
MODEL CR66A		Pushbutton-1st., 3rd., 5th.	38C44097A08
Escutcheon	13D64315A01	2nd. and 4th.	38C44097A07
Dial Glass	34B64307A01	Knob-Tuning or Volume	36B64334A01
Pushbutton-1st., 3rd., 5th.	38C41815A02	Knob-Tone	36B543330
2nd. and 4th.	38C41815A01	Knob-Dummy	36B543332
Knob-Tuning or Volume	36B64334A01	Dial Pointer	52C40244B01
Knob-Tone or Dummy	36B64313A01		
Dial Pointer	52C42062A17	MODEL TM6A	
MODEL CT66A		Escutcheon	13C64661A01
Escutcheon	13D64048A01	Dial Glass	34B64284A01
Dial Glass	34B64042A01	Pushbutton	38B563819
Pushbutton-1st., 3rd., 5th.	38C40283B02	Knob-Tuning or Volume	36B543382
2nd. and 4th.	38C40283B01	Knob-Tone	36B543398
		Knob-Dummy	36K543399
		Dial Pointer	1B40875A01

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.)