



PHOTOFACT[®] with

CIRCUITRACE[®]

TRADE NAME: Mercury Models:
6TMM (C6MA-18806-A2) 1966 Mercury
E6TMM (C6MA-18806-B2) 1966 Mercury

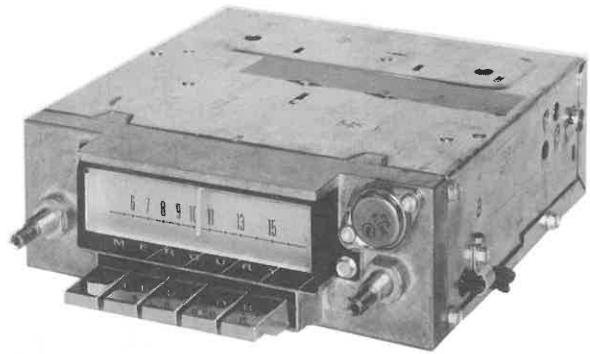
SUPPLIER: For Current Address, See Annual Index.

TYPE SET: 5 Transistor AM Receiver

POWER SUPPLY: 12 Volt Storage Battery

RATING: .580 Amp. @ 12.6 Volts DC

TUNING RANGE: BROADCAST 540-1615KC

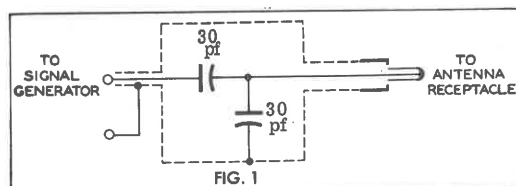


ALIGNMENT INSTRUCTIONS

Check for specified source voltage.
Use only enough generator output to provide a usable indication.
Suggested Alignment Tools:
A1 thru A4. GENERAL CEMENT: 8606, 8606L, 8869
WALSCO: 2543, 2544, 2588
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 ν 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 on right side of radio.



PUSH-BUTTON ADJUSTMENT

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

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

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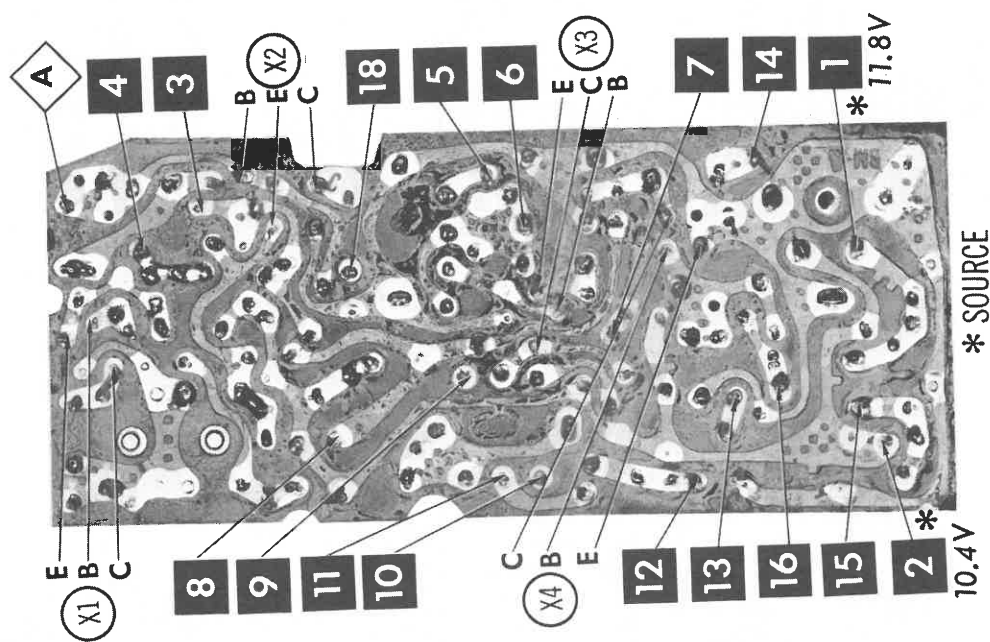
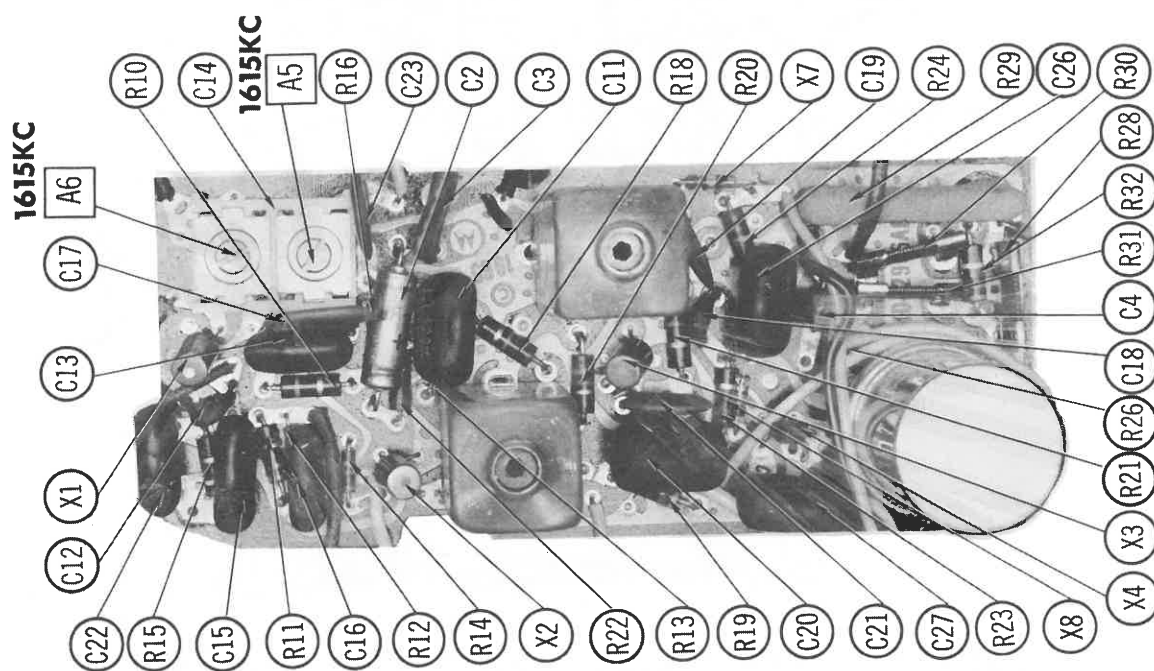
MERCURY MODELS 6TMM (C6MA-18806-A2), E6TMM (C6MA-18806-B2)

**MERCURY MODELS 6TMM (C6MA-18806-A2),
E6TMM (C6MA-18806-B2)**

Resistors are 1/2 watt or less and rated 5% unless otherwise indicated.

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.

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA72	RF Amp.	DS-25	GE-9	SK-3008	PNP
X2	2SA72	Conv.	DS-25	GE-9	SK-3008	PNP
X3	2SA72	IF Amp.	DS-25	GE-9	SK-3008	PNP
X4	2N1176	Driver	DS-46	GE-10	SK-3020	NPN
X5	2N1176	Output	DS-520	GE-3	SK-3009	PNP *

* When replacing, apply silicone grease to both sides of insulator. Tighten mounting screws securely.

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS			DIODES
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RCA PART No.	GENERAL ELECTRIC PART No.
X6		1N139				1N34AS
X7		1N139				1N34AS

ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP.	VOLT.	MOTOROLA PART No.	REPLACEMENT DATA		
				AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.
C1A	500	16	23C41979A01	PWH2-02-40	CC0012	MT1-25
B	500	16	23C41928A17 ①	CRE607A	NLW10-25	MT1-7
C2	10	25	23C42957A01 ①	CRE907A	NLW10-100	TT100X10
C3	10	64	23C41928A09 ②	CRE601A	NLW2-50	TT50X2
C4	1.6	25				MT1-1

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

① Use this Part Number when ordering from Motorola, 23D65282A21.

② Use this Part Number when ordering from Motorola, 23C41928A05.

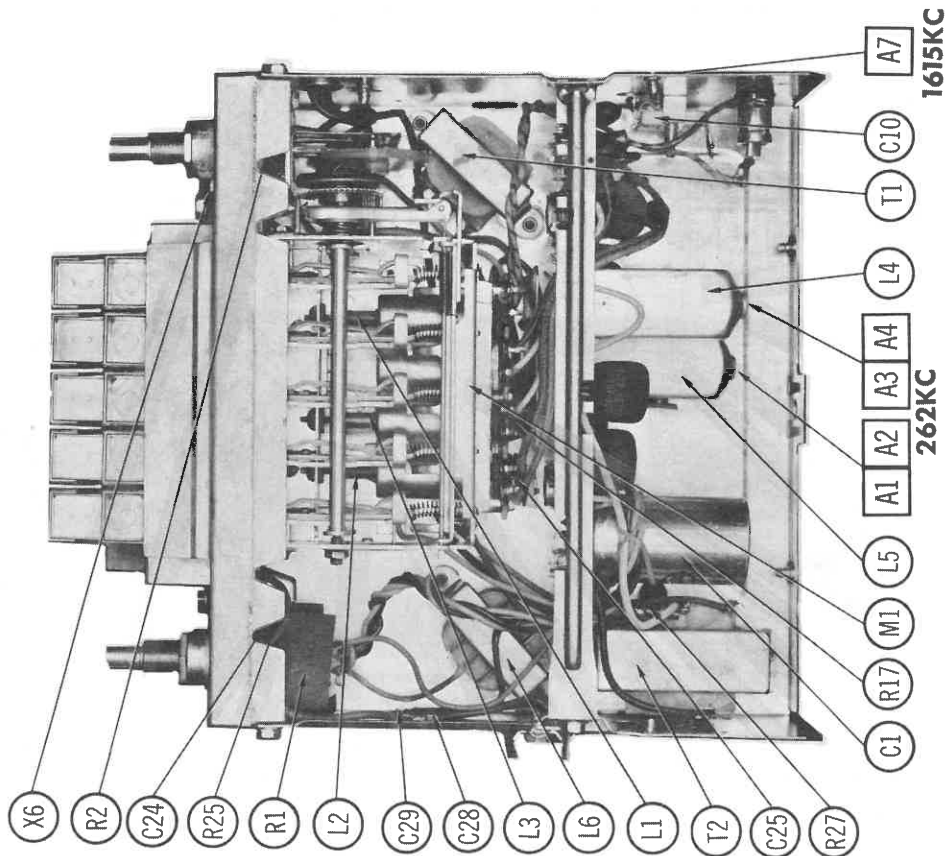
CAPACITORS

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	110-340 10-75	#20C40746A08 #20C40746A10 ①	P288N-1	DF-104	PM2P1	2DP-3-104	PVC201	2TM-P10
C11	.1 100V		DI-330	DD-331	JBZ601YP31K	CCD-331	JF333	10TS-T33
C12	330		P288N-0033	CPR-3300	WMF1D33	6DP-1-332	PVC4233	6FS-D33
C13	.0033 100V	(.005)						
C14A	250-390	#20C40254A10	DBE481	CPR-10000J	WMF1S1	1DP-1-103	PVC211	4PS-S10
B	30-130		DBE6D5	CPR-5000J	DP456D5	1DP-1-502	PVC625	6FS-D50
C15	.01 100V		DI-180	DD-181	JBZ601YP181K	CCD-181	GP318	10TCS-T18
C16	.005 100V		BDA-01	DD-103	BYV102ZUI03M	CCD-103	B110	5GA-T18
C17	180 N330		DBE2P22	UK-105	HCX3R0XR105P	1DP-3-224	PVC1022	5HK-S10
C18	180		DBE6D68	CPR-6800J	WMF4D68	1DP-1-682	MAG31	2PS-P22
C19	.01						PVC4268	HY-135
C20	.22 100V							6FS-D68
C21	1mfd							10TCT-T18
C22	.0068 100V							HY-135
C23	180 N470							10TCU-T18
C24	1mfd							2TM-P10
C25	180 N750		P288N-1	TCN-180	PM2P1	2DP-3-104	PVC201	2TM-P10
C26	.1 100V		P288N-1	DF-104	PM2P1	2DP-3-104	PVC201	2TM-P10
C27	.1 100V							
C28		#64A41668A02						
C29		#64A41668A02						

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

① Used in Model E87TMM.

Motorola Part Number. * Nominal Value.



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 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 Volume/Switch	20K 10K Tap @ 2200Ω	18C43466A01 ①				
	Tone Volume/On-Off Switch/Ant. Up Sw/ Ant. Down Sw. Fader	20K 10K Tap @ 2200Ω	18C43475A01 ②				
R2		40Ω 2W	18B42804A02				

① Used in Model 6TMM.

② Used in Model E6TMM.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	MOTOROLA PART No.			IRC PART No.	WORKMAN PART No.	MOTOROLA PART No.
R29	75Ω (PTC)			17C40259A01	R31	.68Ω (PTC)			17B40756A01

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					
		MOTOROLA PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.
L1	Antenna	①					
L2	RF	①					
L3	Oscillator	①					
L4	Input IF	24D40074A16	16-6714	BC-638	6555	RTC-9406	
		24D40074A15 ②					
L5	Output IF	24D40075A15					

① Part of M1 or (Tuning Coil Assembly, Part #1V42700A77). ② Used in some versions.

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.	
L6	580ma	.8Ω	11MH	25D42032A14	C-4095	TC-2	TR-154	TY17XT	

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
	PRI.	SEC.	MOTOROLA PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	16	1	25D42045A09					

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.	
T2	40Ω Tap	@ 8Ω	25C41878A01					

SPEAKER

ITEM No.	TYPE	RATING	REPLACEMENT DATA		NOTES
			MOTOROLA PART No.	QUAM PART No.	
SP1	4" x 10" PM	8Ω	50D43683A01	410A2Z8	

FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
F1				In Fuse Block				

MISCELLANEOUS

ITEM No.	PART NAME	MOTOROLA PART No.	NOTES
M1	Tuner (Tuning Coil Assembly)	77D43090A02 1V42700A77	AT-551 (Complete)

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	MODEL	PART No.	ITEM	MODEL	PART No.
Dial Glass		61C43072A02	Knob, Tone or Fader	E6TMM	36C43669A01
Knob, Tuning or Volume	6TMM	36A43755A01	Pushbutton		38C42656A01
Knob, Tuning or Volume	E6TMM	36A43755A01	Pointer Assembly		52C42062A18
Knob, Tone or Dummy	8TMM	36C43639A01			

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.)

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