

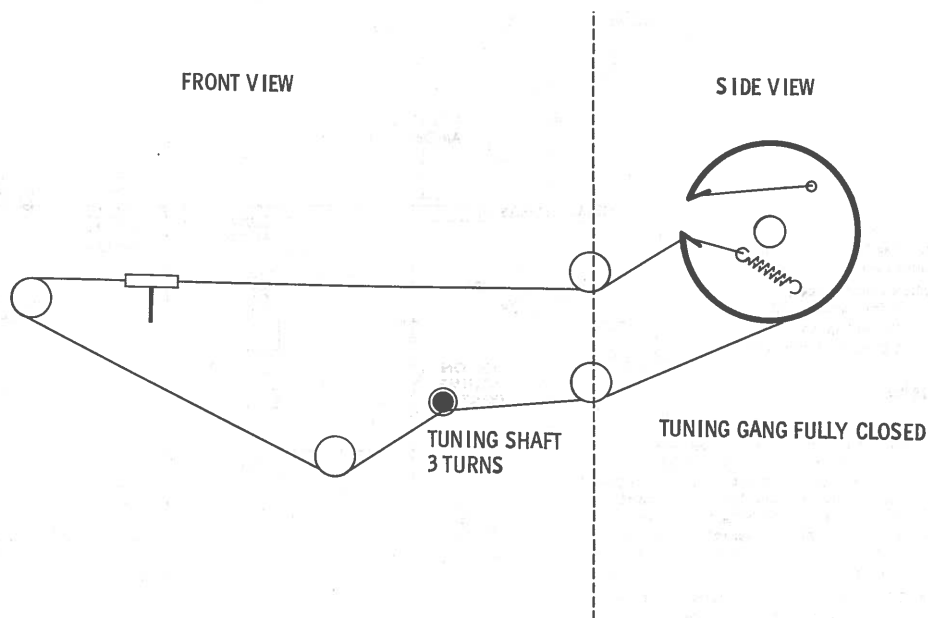
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ADMIRAL
CHASSIS 6M4, 6M4A
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TRADE NAME:	Admiral Models YH601, YH607, YH611, YH619, (Ch. 6M4) YHC621, YHC627, YHC631, YHC641, YHC649 (Ch. 6M4A, Clock Version)	
SUPPLIER:	For Current Address, See Annual Index	
TYPE SET:	6-Tube AM-FM Receiver	
POWER SUPPLY:	110-120 Volts AC, 60 Cycles	RATING: 31 Watts, .340 Amp @ 117 Volts AC

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DIAL CORD STRINGING


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

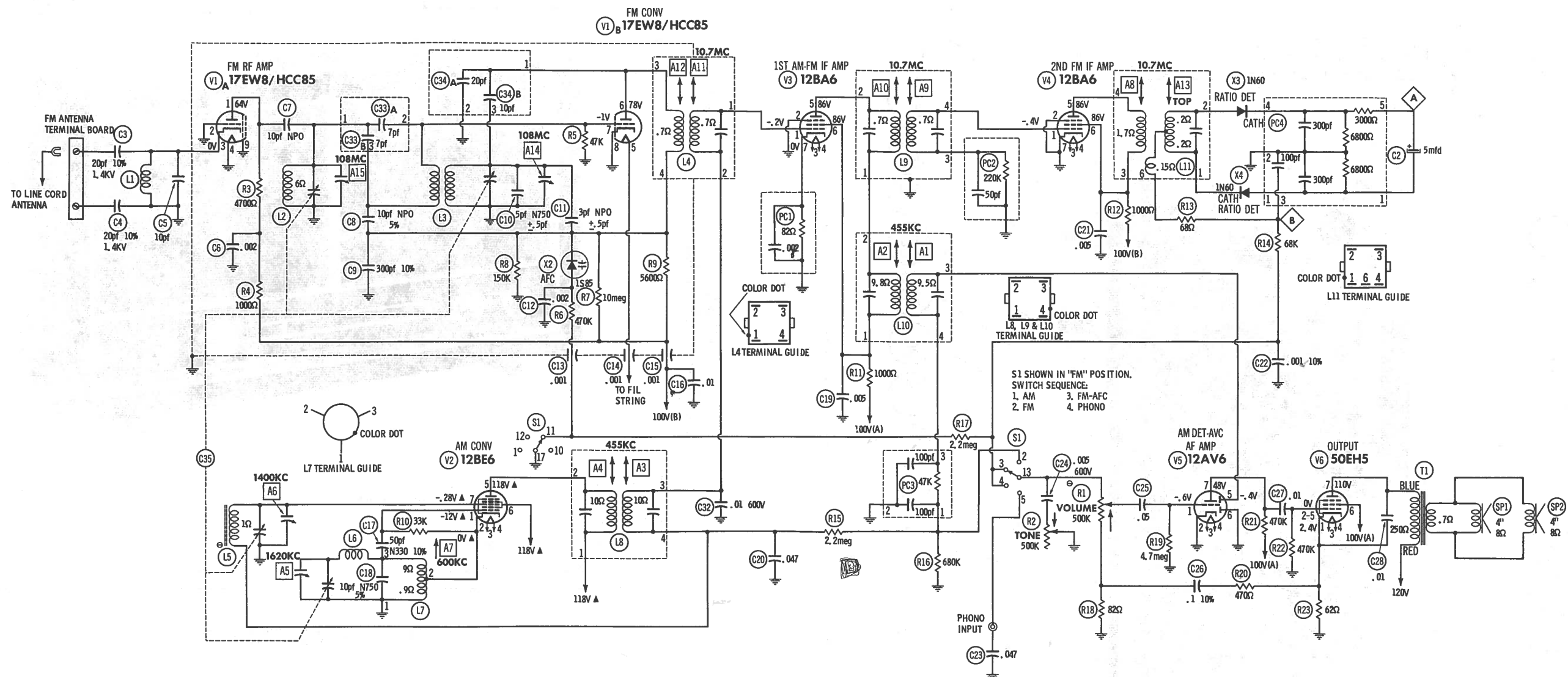
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. SK270

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DATE 7 -67

SET 898 FOLDER 4



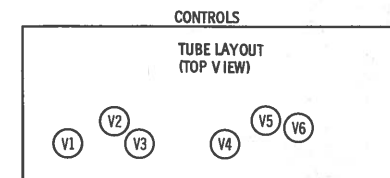


Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated. Arrow at controls indicate clockwise rotation as viewed from actuator end. ALL VOLTAGES MEASURED IN "FM" POSITION UNLESS OTHERWISE INDICATED.

▲ MEASURED IN "AM" POSITION.

- ⊙ 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 PHOTOFAC STANDARD NOTATION SCHEMATIC
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ALIGNMENT INSTRUCTIONS

Maintain line voltage at 117 volts. Use only enough generator output to obtain a suitable indication. Allow a 15 minute warmup for receiver and equipment.
CAUTION: Use isolation transformer, if available. If not, observe polarity when connecting test equipment.
Suggested Alignment Tools:
A1 thru A4, A8 thru A13: GENERAL CEMENT: 8606, 8606L, 8869 WALSCO: 2543, 2544, 2588
A5, A6, A7, A14, A15: GENERAL CEMENT: 8868, 8987, 9089 WALSCO: 2531-X, 2541, 2587

AM ALIGNMENT - SELECTOR IN AM POSITION

Fashion loop of several turns of wire and connect generator across loop. Set volume control at maximum.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. 455KC (400% Mod.)	Tuning gang fully open.	Output Meter across Voice coil.	A1, A2, A3, A4	Adjust for maximum. Repeat until no further improvement can be made.
2. 1620KC	"	"	A5	Adjust for maximum.
3. 1400KC	Tune to signal.	"	A6	"
4. 600KC	"	"	A7	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.

FM ALIGNMENT USING AM SIGNAL GENERATOR - SELECTOR IN FM POSITION

High side to ungrounded shield over FM converter tube, low side to ground.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (Unmod.)	Point of non-interference.	DC probe of VTVM to point A; common to ground.	A8, A9, A10, A11, A12	Adjust for maximum.
6. "	"	DC probe to point B; common to ground	A13	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

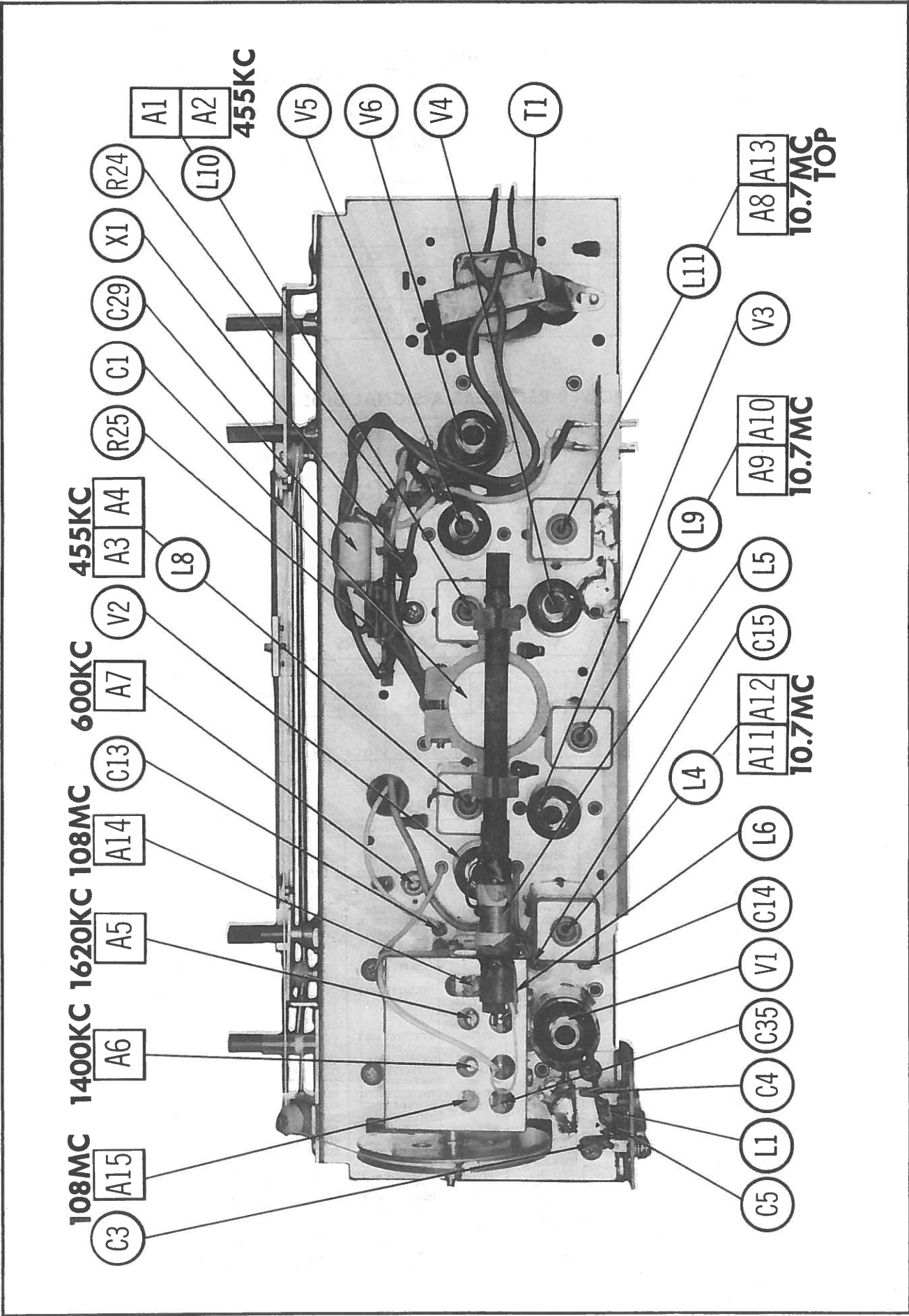
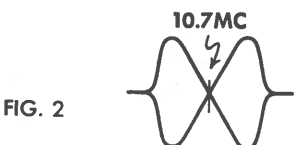
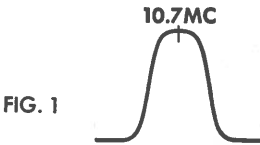
High side to ungrounded shield over FM converter, low side to ground. Use only enough marker signal to obtain indication. Use 60% frequency modulated signal with 450KC sweep. Use 120% sawtooth voltage in scope for horizontal deflection.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (450KC Swp.)	Point of non-interference	Vert. amp. of Scope to point A; low side to ground.	A8, A9, A10, A11, A12	Disconnect stabilizing capacitor C2. Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C2.
6. "	"	Vert. amp. to point B; low side to ground	A13	Adjust A13 (Secondary) to place marker at center of crossover lines similar to Fig. 2. Adjust A 8 (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
7. 108MC	Set at high end.	DC probe of VTVM to point A; common to ground.	A14, A15	Adjust for maximum.



PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

WIRING DATA

Table with 2 columns: Description, Part Number/Description. Includes General-use Unshielded Hook-up Wire, Power Cord, Power Cord (Interlock Type), Low-Loss Shielded Lead (Interconnecting), and Phono Pick-up Arm Cable.

TUBES

Table with 6 columns: ITEM No., USE, TYPE, ITEM No., USE, TYPE. Lists various vacuum tubes like 17EW8/HCC85, 12BE6, 12BA6, 2nd FM IF, AM Det. AVC-AF Amp, and Output.

POWER RECTIFIERS & SIGNAL DIODES

Table with 8 columns: ITEM No., MEASURED CURRENT, ORIGINAL Part or Type No., RECTIFIERS & DIODES (GENERAL ELECTRIC, INTERNATIONAL RECTIFIER), RECTIFIERS (MALLORY, RCA, SARKES TARZIAN).

① Variable Capacitor Diode

ELECTROLYTIC CAPACITORS

Table with 8 columns: ITEM No., RATING (CAP., VOLT.), PART No., AEROVOX PART No., CORNELL-DUBILIER PART No., GENERAL ELECTRIC PART No., MALLORY PART No., SPRAGUE PART No.

CAPACITORS

Table with 9 columns: ITEM No., RATING, REMARKS, REPLACEMENT DATA (AEROVOX, CENTRALAB, CORNELL-DUBILIER, ELMENCO, MALLORY, SPRAGUE).

Admiral Part Number

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

PARTS LIST AND DESCRIPTION (CONTINUED)
(When ordering parts, state Model, Part Number, and Description.)

CONTROLS

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

Table with 7 columns: ITEM No., USE, RESISTANCE, REPLACEMENT DATA (ADMIRAL, CENTRALAB, CLAROSTAT, CTS-IRC, MALLORY).

* "SNAPTROL" ① File Flat ② Used in Chassis 6M4 ③ Used in Chassis 6M4A

RESISTORS (Power and Special)

Table with 9 columns: ITEM No., RATING, REPLACEMENT DATA (IRC, WORKMAN, ADMIRAL), ITEM No., RATING, REPLACEMENT DATA (IRC, WORKMAN, PART No.).

COILS (RF-IF)

Table with 7 columns: ITEM No., USE, REPLACEMENT DATA (ADMIRAL, MEISSNER, MERIT, MILLER, WORKMAN).

① #2069B314-25 used in Chassis 6M4A
▲ Solder to chassis
* Disregard Tap

TRANSFORMER (AUDIO OUTPUT)

Table with 7 columns: ITEM No., IMPEDANCE (PRI., SEC.), REPLACEMENT DATA (PART No., MERIT, STANCOR, THORDARSON, TRIAD), NOTES.

SPEAKER

Table with 5 columns: ITEM No., TYPE, REPLACEMENT DATA (PART No., JENSEN, QUAM), NOTES.

COMPONENT COMBINATIONS

Table with 5 columns: ITEM No., USE, DESCRIPTION, ADMIRAL PART No., REPLACEMENT DATA.

MISCELLANEOUS

Table with 4 columns: ITEM No., PART NAME, ADMIRAL PART No., NOTES.

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

Table with 4 columns: ITEM, PART No., ITEM, PART No. Lists various cabinet parts like Cabinet, Dial Pointer, Cabinet Front, Knob, Function, Knob, Volume, Knob, Tuning.

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FOLDER 4

