Admiral

SUPPLEMENT TO PRELIMINARY SERVICE DATA

20X1, 20Y1, 4L1 CHASSIS

IMPORTANT

When servicing any model using the 20%1, 20Y1, or 4L1 chassis, use this supplement with the "Preliminary Service Data for 20%1 Chassis" (Form No. S286-1).

This supplement contains necessary service data for late production 20%1 chassis.

It also includes service data for the 20%1 television chassis (12" picture tube). Note that the 20%1 and 20%1 chassis are practically identical except for size of picture tube. Mechanically, a different bracket (part #150403-1) is used for mounting the picture tube and focus coil, and a longer (36") picture tube webbing strap (part #50A1-3) is used.

Schematic and parts list for 4L1 AM Radio Tuner, which is used in radio-phono-television models, are also given.

This supplement contains data for servicing the 94C21-2 television tuner, which is used in place of the 94C21-1 television tuner used in early production. When servicing or ordering parts for a 94C21-2 tuner (late production), RE SURE to use this Supplement. When servicing or ordering parts for a 94C21-1 tuner (early production), RE SURE to use "Preliminary Service Data for 20X1 Chassis" (Form No. 5286-1). Page 3 explains how to identify the tuner used.

WRITING TO FACTORY OR DISTRIBUTOR

If it is necessary to write to the factory or distributor regarding any trouble with a set, IT IS VERY IMPORTANT to include the television chassis number and run number (rubber stamped at rear of TV chassis). When writing about a record changer, be sure to include the run number of the record changer (rubber stamped on the label on the bottom of the record changer pan).

CORRECTIONS TO "FRELIMINARY SERVICE DATA FOR 20X1 CHASSIS", FORM NO. S286-1

The last paragraph on page 7 (under "Video Amplifier V305, 6AU6") should be changed to read as follows:

The video signal from the video detector V304 is capacitively coupled to the grid of video amplifier V305 by coupling condenser C321. Grid leak bias is developed for the video amplifier by C321 and R328.

Contrast control R317A varies the contrast by varying the gain of the video amplifier V305. Since R317A is connected in series with the video amplifier plate resistance, plate voltage will be proportional to the contrast control setting. This is effectively the same as varying the plate load resistance. Note: The cathode and grid of V305 operate approximately 140 volts above ground.

Note that the response curve illustrations (Figures 28, 31 and 34 on pages 11, 12 and 13 respectively) in the "Preliminary Service Data for 20%1 Chassis" Form No. S286-1, show the ideal response curves. However, since it is not always possible to get ideal curves, it should be noted that the height of opposite peaks should be within 3db or 30% of each other. The dip or valley in the center of the curve should not be greater than 3db or 30% down from the highest peak of the curve.

Also, in Figure 28 and 34, the video carrier marker (25.75 MC) should be located at the 50% point measured down from the highest peak on the curve.

COMBINATION MODELS 24x15, 24x16

These models use a 4Ll AM Radio Turer and a 20%1 television chassis. Note that the television chassis used in combination models differs slightly from that used in "television only" models. In "television only" models, the speaker field coil (L501) is used as a choke in the low voltage power supply filter. Since a PM speaker is used in combination models, a filter choke (L502) is used in place of L501.

It should also be noted that the replacement output transformer (T202) can be used with either the electromagnetic speaker used in "television only" sets or the PM speaker used in combination models.

Admiral Corporation

PRODUCTION CHANGES

MODIFICATION OF VIDEO AMPLIFIER TO DECREASE AUDIO "BUZZ".

Chasels with this change stamped run "3" or higher.

In early sets, the control grid of video amplifier V305 was connected to the junction of series peaking coil L301 and shunt peaking coil L302.

The cathode of V305 was returned to ground through a 15,000 ohm resistor. This resistor was removed, and coupling condenser C321 was added to the circuit. Resistor R328 was added to provide grid leak bias to the tube.

The schematic in "Preliminary Service Data for 20%1 Chaseis" (Form No. S286-1) shows R328 connected from control grid to B-plus, however, it has always been connected from control grid to cathode.

R425 INCREASED TO IMPROVE HORIZ. STABILIZATION.

Chassis with this change stamped run "4" or higher.

Resistor R425 which is common to both the horizontal oscillator V4038 and horizontal oscillator control tube V4034, was 150,000 ohms. It was changed to a 220,000 ohm resistor, wat (part number 6088-224). When replacing this resistor, use the late production part.

V204 FILTER NETWORK CHANGED TO DECREASE "HUM".

Chassis with this change stamped run "5" or higher.

The filter network between the plate voltage lead and cathode of the sound output tube V204 has been modified as shown in the schematic in this supplement. C209 (four section electrolytic) and C211 (single electrolytic) condensers have been replaced in late production sets by a three section electrolytic condenser and a dual electrolytic condenser (C213). Other combinations of filter condensers than those mentioned above were used in a few sets, but were connected as shown in the schematic in this supplement.

Early Filter Circuit

C209A	60 mfd,	150 V)	
C2093	20 mfd,	450 VL	4 section
C209C	20 mfd, 1	450 V	Electrolytic 670 15-9
C209D	100 mfd,	25 V)	Carlotte and the second
0211	40 mfd, 1	250 7,	Electrolytic 67A 19-1

Late Filter Circuit

C209A	60 mfd, 150 V) 3 section
C209C	20 mfd, 450 V Rectrolytic670 15-11
	40 mrd, 250 V Duni Blact670 15-52

MODIFICATION OF VERTICAL OSCILLATOR CIRCUIT V402A.

Chassis with this change stamped run "6" or higher.

In early sets, a 6.8 megohm resistor (R415) was connected from the plate (pin 1) of the vertical oscillator (V402A) to the control arm of the vertical hold control R342B. Also, a 100,000 ohm resistor (R414) was connected in series with R412 and R432B. Both the 6.8 megohm resistor and the 100,000 ohm resistor were removed from the circuit.

Removing R414 and R415 made it necessary to change coupling condenser C407 from 4,700 mfd. to .006 mfd. (part number 65821-602).

VERTICAL OSCILLATOR PLATE VOLTAGE CHANGED IN LATE PRODUCTION 2011 CHASSIS TO IMPROVE CON-TROL OF HEIGHT AND LINEARITY

Chasels with this change stamped run "7" or higher.

"Boot Strep" voltage supplies the vertical oscillator with plate voltage in early production 20%1 chassis and all 20%1 chassis. In these sets, RM16 is 2.2 megchms. In late production 20%1 chassis, the vertical oscillator plate voltage is supplied directly through the focus coil IAO4 (approximately 340 volts) and RM16 is changed to a 2.7 megchm resistor (part number 6088-275).

VOLTAGE PATTING OF C423 INCREASED

Chassis with this change marked run "7" or higher.

Decoupling condenser C423 was changed from a .05 mfd, 400 volts condenser to a .05 mfd, 600 volts condenser (part number 64B5-7). When replacing C423, be sure to use late production part.

COUPLING CONTENSER ADDED TO IMPROVE AUDIO

Chaseis with this change stamped run "8" or higher.

A coupling condenser (C214, .05 mfd, 400 volte, part number 6485-22) was added between the deemphasis network (R206 end C206) and volume control R207A. This results in removing direct current from the volume control R207A.

FOCUE CIRCUIT MODIFIED

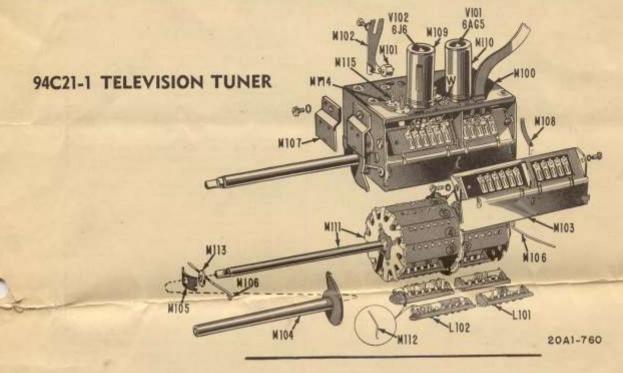
A 150 ohm, I watt resistor (R448) was added in series with the focus resistor R207B in late sets, to increase the wattage rating of the system. A 750 ohm, 7.5 watt resistor (R449) was also added in series with load resistor R446, to limit current through focus resistor R207B. The new focus circuit is given at the lower left corner of schematic.

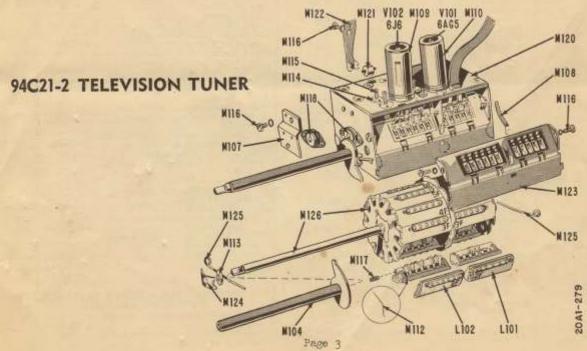
TELEVISION TUNER IDENTIFICATION

Early production sets used the 94C21-1 TV Tuner. Late production sets use the 94C21-2 TV Tuner. These tuners are similar in physical appearance and electrical operation but are only interchangeable as a complete unit. Many of the parts are neither electrically or mechanically interchangeable. Some of the parts appear to be identical physically but are not interchangeable. For example: The detent rollers in these tuners both have a 3/8" diameter but the diameter of the bearings are different. The bearing diameter for the 94C21-1 Tuner is 1/16"; the bearing diameter

for the 9kC21-2 Tuner is 3/32". Consequently it is important that the tuner being serviced is identified properly and the correct parts list used.

The most noticeable identifying feature of the 94C21-2 tuner is the individual channel coils. The coils on the 94C21-2 Tuner are stamped 2F, 3F, 4F, etc. and the coil contacts are mounted on a "raised" portion on the surface of the coil. The coils on the 94C21-1 Tuner are stamped 2, 3, 4, etc. (without letter "F") and the coil contacts are mounted on the flat surface of the coil.





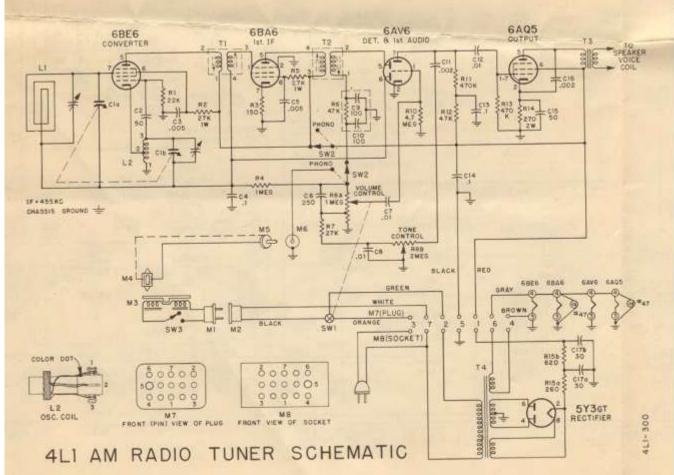
PARTS LIST

This parts list contains additions and corrections to the parts list in "Preliminary Service Data for 20%1 Chassis" (Form No. 286-1). Use this list FIRST, then refer to the Preliminary Service Data (Form No. S286-1) for any part NOT listed here.

R213 1,000 ohms, 2 watt	MISCELL.
R414 100,000 ohms, 2 watt	NOTE: A
R415 6.8 megohms, & watt	the pict
(2.2 megohms, ½ W. in 20Yl	yoke may
R416 and early 20X160B 8-225	1 1 WEST 1 10 TO 1 1 TO 1 TO 1 TO 1 TO 1 TO 1 T
(2.7 megohms, ½ W. in late 20X160B 8-275	Bracket, T
R425 220,000 ohms, 2 watt	for 10"
R438 82 ohme, 2 watt	for 12"
R448 150 ohma, 1 watt	Clamp, Web
plus are also a Ferrit	Plate, Char
R449 750 ohms, 7.5 watt	Bearing
C209A 60 mrd, 150 V. 3 section (cm as a)	Rubber Bum
C209A 60 mfa, 150 V.) C209C 20 mfa, 450 V.) C209D 100 mfa, 25 V.) Electrolytic670 15-11	Round (1
C209D 100 mfd, 25 V.) 2100 dt 01, 010	Strip (S
C213A 40 mfd, 250 V.) Dual 670 15-52	used in
C213A 40 mfd, 250 V. Dual C213B 40 mfd, 250 V. Electrolytic67C 15-52	Spacer,
CST# *0.2 mr d* 400 1*1 T dbox***********	Webbing, P.
C407 .006 mrd, 300 V., Mica	30" leng
C409 .1 mfd, 400 V., Paper64B 5-20	36" leng
C417 .05 mfd, 400 V., Paper64B 5-22	
C423 .05 mfd, 600 V., Paper64B 5-7	Corona Rin
L502 Choke, Filter (used in	CLA THEOREM TO
combinetion models only)74A 12	CABINET P
V306 {10" Picture Tube (20X1)10BP4	-
V306 [12" Picture Tube (20Y1)12LP4	Bumper, Ru
CIE TIUNGO TWO (FOXA)	Black Ru
	Red Rubb

For one-piece window and frame, see parts list in "Preliminary Service Data for 20%1 Chassis".

		12000
	MISCELLANEOUS PARTS FOR TELEVISION CHASE	SIS
	NOTE: A different arrangement for mounting the picture tube, focus coil, and deflect	et on
	yoke may be used in future sets.	10.311
	Bracket, Tube and Focus Coil Mounting	
	for 10" sets (20X1 chassis)15A	240-1
	for 12" sets (20Y1 chassis)150	403-1
	Clamp, Webbing Strap Tension19A	61
	Plate, Channel Selector Shaft	
	Bearing (Fibre)32A	111-1
	Rubber Bumper (under front of picture tube))
	Round (1" dia, used in late sets)12A	16-1
	Strip (Sponge rubber, 3/8"x1"x12",	
	used in early sets)	5-11
	Spacer, Brass (for mounting 0426) 29A	1-34
	Webbing, Picture Tube Mtg. Strap	
	30" length for 10" sets50A	3-1
	36" length for 12" sets	
	Corona Ring19A	62
	CABINET PARTS FOR 20X11, 20X12, 20X121, 20	DXTSS
	(novas novan)	
	Bummer, Rubber (20X11, 20X12)	2.8
	Black Rubber (used in early sets)12A	340
	Red Rubber, with Spacer (used	2-0
	in late sets)	250
-	23D50-5 window) for 20X11, 20X1223D	50-6
	Window, Picture Tube (for 20X11,20X12).23D	
	" Line", 120 out o 100 (101 con Lije on Le jie 30	~



IMPORTANT

Use this parts list for 94021-2 Tuner only. Some parts for early tuner (94021-1) and late tuner (94021-2) are not interchangeable. Be sure to use the parts list in the "Preliminary Service Data for 20%1 Chassis" (Form No. S266-1) for all 94021-1 parts. Page 3 explains how to identify the tuner used.

FOR TY TUNER 94C21-2

Note: Channel coils used in the 94C21-2 Tuner are stamped 2F, 3F, 4F, etc. 5ym. Description L101 Antenna Coil Description
 for Channel #3
 ,98A 62-5

 for Channel #6
 ,98A 62-6

 for Channel #7
 ,98A 62-7

 for Channel #8
 ,96A 62-8

 for Channel #10
 ,98A 62-9

 for Channel #10
 ,98A 62-9

 for Channel #11
 ,98A 62-12

 for Channel #13
 ,98A 62-12

 for Channel #13
 ,98A 62-13

 for Channel #13
 ,98A 62-13
 for Channel #13. 98A 62-13
L102 Mixer—Oscillator Coil
for Channel #2. 98A 63-2
for Channel #3. 98A 65-3 for Channel #4. 98A 63-4 for Channel #5 98A 63-5 for Channel #6 98A 63-6 for Channel #7 98A 63-7 for Channel #8. 98A 63-8
for Channel #9. 98A 63-9
for Channel #10. 98A 63-10
for Channel #11. 98A 63-11
for Channel #12. 98A 63-12
for Channel #13. 98A 63-13
Before inserting replacement coll L101 or L102 in turvet, check to see that teeth at inner end of colls fit together when fitted in detent plate at center of turvet. If necessary, file teeth alightly.

slightly.

MISCELLANEOUS PARTS FOR TV TUNER 94C21-2

To identify a 94C21-1 or 94C21-2 Tuner, see discussion under "Television Tuner Identification".

The state of	Description of the second seco	Part No.
Sym.	Description	
M104	Shaft Shell & Rotor Assy. (Sharp Ton-	
	ing) (with 156" long brass shaft	
	Shell!	
M107	Bracket, Sharp Tuning Rotor Retaining.	
N1108	Spring, Detent Plate Grounding	.98A 45-74
M109	Shield, Tube (Slotted; for 616)	.98A 45-73
31110	Shield, Tube (Plain; for 6AG5)	. 98A 45-36
M112	Spring, Slog Retaining (Osc., coil)	.98A 45-52
M113	Washer, Fibre Spacer (%" IDx14" OD)	
MIII4	Not, Locking Spring (for trimmers)	
M1115	Screw, Trimmer (4-35x%")	
M116	Screw, Bracket Mounting (6:32x14")	
M117	Slag, Brass Toning	
31118	Stator Plate (ungrounded); Silver wit	
MARKS:	Ceramic Insulator (includes mountin	
	bracket) for Sharp Tuning C111	
M120	Toner, Television (complete)	
MILLI	Roller, Detent (%" dia., 4," dia. bearing)	
M122	Spring, Detent (2%" long)	
M123	Contact Place and Bracket Assembly	- Agent Septem
21123		THE RESERVE
*****	(with wiping contacts)	7.50VF 415-184
M124	Spring, Sharp Toning Rotor Contact	Date: 57 819
	(Flat house 1/h x 1/2")	-30V-49-09
M125	Spring, Front and Rear Torret Shaft	
200000	(Wire 2%" long, A" dia.)	26/4 39-89
X1126	Turret and Shaft Assembly (less coils)	
	(3½" shalt and 12" rounded detent	
	depression)	.98A 45-89

PECISTORS

	KESISTOKS		
5ym.	Description	Part	No.
RI	22,000 ohms, ½ watt	1809	8-233
312	27,000 ohms, 1 watt		
RI	150 ohma, ½ watt		
R4	1 Megohm, 16 watt		
R5	27,000 ohms, 1 watt		
+R6	47,000 ohms, 1/4 watt		
R7	27,000 ohms, 14 wait	68B	8.273
BRA	I Megalou, Volume Control)		
RaB	1 Megolim, Volume Control? 2 Megolim, Tone Control 5	75B	mm
R10	4.7 Megolim, 15 watt	60B	8-475
R11	470,000 obms, % watt		
R12	47,000 ohms, 1/2 watt		
R13	470,000 ohma, 12 watt		
R14	270 ohms, 2 watt		
R15A			
RISB	260 ohms 5 watt, tapped candohm	01A	9.9
140000			

CONDENSERS

	COLLOCITORIO	
Sym.	Description	Part No.
CIA	0-420 mmfd. Gang	6911 99
CIB	0-108 mmfd. 5	+++00B-0E-
C2	50 mmfd, Ceramie	65B 6-4
Ca	.005 mfd. min, Gerumic	65A 10-1
CE	.1 mfd, 200 volt, Paper	61B 5-30
C5	,005 mfd. min, Ceramie	65A 10-1
C6	250 mmfd, Ceramic	65B 6-5
C7	.01 mfd, 400 volt Paper	64B 5-25
CS	.01 mfd, 400 wilt Paper	64B 5-25
30.9	100 mmfd, Ceramie	
+C10	100 mmfd, Ceramic	
CH	,002 mfd, 600 wilt, Paper	
C12	.01 mfd, 400 volt, Paper	6411 5-25
C13	I mfd, 400 velt, Paper	61B 5-20
C14:	1 mfd, 400 volt, Paper	648 5-20
CIS	50 mfd, 25 volt, Electrolytic	67A 4-7
C16	.002 mfd, 600 velt, Paper	
CI7A	30 mfd, 350 volt) Electrolytic	67C 6.22
CITB	30 mfd. 350 volts	

COILS. TRANSFORMERS, ETC.

	The same of the sa	CONTRACTOR OF THE PARTY OF	
Sym.	Description	Part	
LI	Antenna, AM Loop	.69C	100-L
1.2	Coll, Oscillator	-60A	52.1
	Transformer, 1st IF		
	Transformer, 2nd IF		
T3.	Transfermer, Output	-79A	22
TA	Transformer, Power	.80B	1
	Switch, On-Off		
SW2	Switch, Radio-Phone	-77A	31

MISCELLANEOUS PARTS FOR

4L1 RADIO CHASSIS
M2 Socket, Phone Motor
M6 Socket, Phone Input
M7 Plug, Cable Connector (9 pin rect.) 88A 20-11
Cover and Insulator (for 88A 20-11 plug) 88A 20-6
Cable, (7 wire) including 88A 20-11 plug
and 88A 20-6 cover)
MB Socket, Power Supply Cable (14 contact) 88A 20-2
Bracket, Off-Volume and Tone
Bracket, Radio-Phono Switch
Bracket, Tuning Sleeve
Cover Assembly, Chassis
Dial Back and Bracket Assembly
Dial Cord (40° approximately)
Dial Scale
Escutcheon, Radio
Grommet, Gang Mounting
Hex Nut, Switch Retaining2A 2-9-71
Line Cord
Lockwasher, Oscillator Coil & Gang (#6 LT.)3B 1-25-71
Pilot Light, #47 Marda,
Puinter, Dial
Shaft, Tuning
Socket Tube
7 pln (for 6BA6, 6AU6, 6AQ5)
7 pin (for 6BE6)
8 pin (for 5X3)
Socket, Pilot Light (includes 12" lead) 82A 8-6
Socket, Power Cable (14 contact)
Spacer Sleeve (for gang mounting)
Spacer Sleeve (3¼" long, for mounting
phono-radio switch)
Spring, Dial Cord Tension
Spring, Tube Retainer (for 6AQ5)
Washer, Vellutex (Oscillator coil mtg.) 5A 1-21

label and see Record Changer	Decal, Cabinet Lettering	Hinge Assembly, Tilt-Out
Record Changer parts list.	Facutcheon, Best ifits between cationet cutout	Left Side (facing front), 21, 19714,
88A 8-1	and nicture take escutcheon)	Right Side (facing front)
	Eagustcheum, Channel (less mtg. spring)	‡Leg, Cabinet
407B 17	Escutcheon, Bicture Tube (includes window) 23D 49	Left Rear
needles) 409A 11	Gasket, Sponge Robber (includes chipboard backing for back of picture tube escutcheon) . 98A 61-2	for Walnut (24X15)
	Grille, Plastic Woven	for Mahogany (24X16)
plug)	201100-2	Right Rear for Walnut (24X15)
88A I	for 20X146,20X145	for Mahogany (24X16)35E 108-63
	for 20X147	Left Front
	Community Speaker Mounting Cuse with spacer	for Walnut (24X15)
	Grommet 29A2-5-71)	for Mahogany (24X16)
	Knobs, Tuning Channel (Maroon "I-shaped" knob)	Right Front
	Horizontal, Contrast, Off-Volume	for Walnut (24X15)
tfor holding	(Maroon "I-shaped" knob)33C 28-20	for Mahogany (24X16)
tire) G460A 279	Sharp Tuning (Brass rim "O-shaped" knob) 1,33C 28-35	Hinge, Knife Door-
	Vertical, Brightness, Focus	Pair for Walnut (24X15 and Mahogany 24X16)
g phone	(Brass rim "O-shaped" knob)	Knob, Door (record compartment)
	Leg Calinet (front)	Knob, Door (telev. and radio-phono
The state of the s	for Walnut	compartment)
	for Mahogany 35E 107-51 for Bland 35E 107-52	Knob, Radio Tuning
AC183-2	Leg. Cabinet (rear)	"Radio-Phono" (double knob)
Jong)	for Walnut	"Tuning" (double knob)
28A 22-1	for Mahogany	"Tone" (O-shaped knob)
ammer)98A 54-3	for Blond	Knob, Television
	Ring, Channel Knob Compression	for 24X15, 24X16
PARTS FOR	Spacer, Metal (for speaker mtg, grommet) 29A 2-3-11	Channel (mahogany "I-shaped" knob) 33C 28-38
X136, 20X137	Speaker, 6" Electromagnetic Carlades output 78B 51	Harizontal, Contrast, Off-Volume
mbers may contain the suffix	transformer)	(mahogany "I-haped" knob)
The state of the s	Spring Cup, Channel Escurcises, Spring Cup, Channel Escurcises	Sharp Tuning (mahegany "O-shaped" knob), 33C 28-40
	for Channel, Horizontal, Contrast,	Vertical, Brightness, Focus (muliogany "O-shaped" knob)
hield)	Off-Volume ("I-shaped" knob)	for 24X16S
es mtg. spring) A3015	for Sharp Tuning ("O-shaped" knob) 98A 44-2	Channel (gold "I-shaped" knob)
THE REAL PROPERTY.	Washer, Felt (Television)	Herizontal, Contrast, Off-Volume
35E 109-1	for Horizontal-Vertical, Contrast-Brightness,	(gold "I-shaped" knob)33C 28-18
35E 109-2	Off-Volume-Focus knebs	Sharp Tuning (maroon "O-shaped" knob) 33C 28-21
44B 157	for Channel-Sharp Tuning knobs	Vertical, Brightness, Focus (maroon
	television knobs)	"O-shaped" knob)
low and Frame23D 49	Peter Block Killows 111111111111111111111111111111111111	Metal Sheet, 152" x 355" (24X16S only)
d (less mounting		Nut, Hex (#4-40 for tilt-out tie bar)
· · · · · · · · · · · · · · · · · · ·	CABINET PARTS FOR 24X15, 24X16, 24X16S	Screen, Perforated (8" z 11")
ides chipboard	Note: The above model numbers may contain the suffix	Screw, Telev. Chassis Mrg. (#1/2-20x11/4") 1A 67-44-71
1600 90A-61-0	Jett = "N",	Screw, Escutcheon Mig. (#6 x %" RH M5)
	Andrews Buth to Hore senter	
may XILTOKILTY MAR 3.52	Antenna, Bullt In Boto Scope,	f + 24X15, 21X16
own, 5½"x6½") , 36B 3-22	Back, Cabinet	f 2 24X15, 21X16
5")	Back, Cabinet for Album Compartment	f + 24X15, 21X16
g"),	Back, Cabinet	1
g")	Back, Cabinet for Album Compartment	1
g")	Back, Cabinet 63C 85-1	1
5")	Back, Cabinet 43C 85-1	1
5")	Back, Cabinet 43C 85-1 for Album Compartment 43B 64-3 for Radio-Phono Compartment 43B 64-3 for Television Compartment 16D 18 \$Cabinet, Wood 35E 108-1 Manugary (24X15) 35E 108-2 Mahugary (24X168) 35E 89-5	1.0 24X15, 21X16
(#8-32) 2A 2.14-71 (*knob) 33C 28-19 lume 33C 28-29 O-shaped" knob) 33C 28-35 (Brass	Back, Cabinet 43C 85-1 for Album Compartment 43B 64-3 for Ratio-Phono Compartment 43B 64-3 far Telexision Compartment 16D 18 \$Cabinet, Wood 35E 100-1 Mahogany (24X16) 35E 308-2 Mahogany (24X168) 35E 89-5 Carten and Fillers 44B 158	1
5")	Back, Cabinet 63C 85-1	1
(#8-32) 2A 2.14-71 (knab)	Back, Cabinet For Album Compartment 43C 85-1	10 24X15, 21X16
(#8-32) 26 8-23 2 (#8-32) 2A 2-14-71 (knob) 33C 28-19 lume 33C 28-29 Oshapel" knob) 33C 28-35 (Briss 35C 28-36 38 1-29-71 sion 18A 5-3 1A 67-44-71	Back, Cabinet for Album Compartment 43C 85-1	1
2")	Back, Cabinet 63C 85-1	1
2")	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Campartment 43B 64-3 for Ratio-Phono Campartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 24X15 35E 108-1 Mahogany (24X16) 35E 108-2 Mahogany (24X16) 35E 89-5 Carton and Fillers 44B 158 Centerpost Mounting Assembly (for bolding extra contemposta) A2002 Clamp, Cable 11A 2-6 Cushion Plate, Fibre (for mtg. 23B44-1 channel escenteson) 32A 78 Decal, Cabinet Lettering 98A 15-1	1
2")	Back, Cabinet for Album Compartment 43C 85-1	1
2")	Back, Cabinet for Album Compartment 43C 85-1	1
2")	Back, Cabinet for Album Compartment 43C 85-1	1
2")	Back, Cabinet for Album Compartment 43C 85-1	1
5")	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Campartment 43B 64-3 for Ratio-Phono Campartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 48C 85-1	C 23.15 21.16
2")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Radio-Phono Campartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 48Cabinet, Wood 48Cabinet, Wood 48Cabinet, Wood 48Cabinet 48Cabine	1
5")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 48Cabinet, Wood 24X15 35E 108-1 Mahogany (24X16) 35E 108-2 Mahogany (24X165) 35E 89-5 62Carton and Fillers 44B 158 44B 158 44B 158 44B 158 44B 158 45Canterpost Mounting Assembly (for holding extra centerposts) 42002 42Camp, Cable 11A 2-6 42Camp, Cable 11A 2-6 42Camp 42C	C 2XY15_21X16
2")	Back, Cabinet	C 2AV15, 21X16
5")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 42K15 35E 108-1 Mahogany (24K16) 35E 108-2 Mahogany (24K16) 35E 89-5 Carten and Fillers 44B 158 Centerpost Mounting Assembly (for holding extra centerposts) A2002 Clamp, Cable 11A 2-6 Cushina Plate, Fibra (for mtg. 23B44-1 channel escutcheon) 32A 78 Decal, Cabinet Letturing 99A 15-1 Deca Bumper, Spongs Rubber (½ * ½ ½ * ½ * ½ * ½ * ½ * ½ * ½ * ½ *	1
2")	Back, Cabinet	C 2XY15 21X16
5")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 42K15 35E 108-1 Mahogany (24K16) 35E 108-2 Mahogany (24K16) 35E 89-5 Mahogany (24K165) 35E 89-5 Carten and Filters 44B 158 Centerpost Mounting Assembly (for holding extra contemposts) A2002 Clamp, Cable 11A 2-6 Cunhina Plate, Fibra (for mtg. 23B44-1 channel escutcheon) 32A 78 Decal, Cabinet Lettering 98A 15-1 Decal, Cabinet Lettering 98A 15-1 Decal, Cabinet Lettering 98A 15-1 Door Bumper, Spongs Rubber (16 * K16 * K	for 24X15, 21X16 for 24 in? Serve, Tifnout Tie Rod Mig. (#6-32 a %" Bd H M S) Speaker, 10" PM (includes output transformer) 78B 32 Speak Nut (for Channel escutcheon 21844-1) 2B 10-5-68 Speed Nut (radio escutcheon mounting) 2B 10-24-59 Speed Nut (radio escutcheon Retaining) 2B 10-8-59 Spring, Channel Escutcheon Retaining for 24X15, 24X16 19A 48 for 24X15, 24X16 19A 18 for 24X15, 24X16 19A 15-1 Spring, Tils-Out Coil (2%" unstretched) 19A 15-1 Spring, Tils-Out Arm Retaining (7%" unstretched) 19A 59 Spring, Tuning Knob Tension for Channel, Horizontal, Contrast, Oil-Volume ("Isphaped" knob) 98A 44-2 Tie Rod, Tills Out (13'm" long) 28A 22-1 Tils-Out Eye Belt. 1A 87-1 Washer, Escutcheon Mig. (24X16S only) 5A 1-21 Washer, Felt (television) for Horizontal-Vertical, Contrast-Brightness Oil-Volume-Focus knobe 5A 4-6 for Channel-Sharp Tuning knobs 5A 4-5 Washer, Fibre (used between inner and outer knobs) 5A 1-30
5")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 48Cabinet, Wo	1
2")	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Compartment 43B 64-3 for Ratio-Phono Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 24X15) 35E 108-1 Mahogany (24X16) 35E 108-2 Mahogany (24X16) 35E 89-5 Carton and Filters 44B 158 Centerpost Mounting Assembly (for bolding extra contemposta) A2002 Clamp, Cable 11A 2-6 Cushion Plate, Fibre (for mtg. 23B44-1 channel escutcheson) 32A 78 Decal, Cabinet Lettering 98A 15-1 Decal Remper, Spongs Rubber 12A 5-5 Door Catch and Strike Plate, Bullet 08A 48-26 44B 150 44B 15	for 24X15, 21X16 (a.2.4.9) for 24 in? (b. 14.1.2.38) Serve, Tifnout Tie Rod Mig. (#6.32 a %" Bd H M S) (#6.32 a %" Bd H M S) (#6.32 a %" Speaker, 10" PM (includes output transformer) T8B 122 Speak Nut (for Channel escutcheon 21844-1) (2B 10-5-68 Speed Nut (radio escutcheon mounting) (#18-24-59) Speed Nut (radio escutcheon Retaining) (#19-4-59) Spring, Channel Escutcheon Retaining for 24X15, 24X16 (#19-24X16) (#19-4-59) Spring, Tils-Out Coil (22%" unstretched) (#19-4-5) Spring, Tils-Out Coil (22%" unstretched) (#19-4-5) Spring, Tils-Out Arm Retaining (T2%" unstretched) (#19-4-5) Spring, Tuning Knob Tension for Channel, Horizontal, Contrast, Oil-Volume ("Labaped" knob) (#19-4-4-4) for Sharp Tuning ("O-shaped" knob) (#14-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-
5")	Back, Cabinet for Album Compartment 43C 85-1 for Radio-Phono Compartment 43B 64-3 for Radio-Phono Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood Wood (24X15) 35E 108-1 Mahogany (24X16) 35E 108-2 Mahogany (24X16) 35E 89-5 Carten and Fillers 44B 158 Centerpost Mounting Assembly (for holding extra contemposts) A2002 Clamp, Cable 11A 2-6 Cunhina Plate, Fibra (for mtg. 23B44-1 channel escutcheon) 32A 78 Decal, Cabinet Lettering 98A 15-1 Decal, Cabinet Lettering 98A 48-26 Education 42X15 35E 108-56 for Mahogany (24X16) 35E 108-56 for Mahogany (24X16) 35E 108-57 for Mahogany	1
5"	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 48Cabinet, Wo	C 23.15 21.16 1.4 22.249
2")	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Compartment 43B 64-3 for Ratio-Phono Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 4Cabinet 4Cab	for 24X15, 21X16 for 24X16 Spring, Channel Escutcheon Retaining for 24X15, 21X16 for 24X16 Spring, Thi-Out Coil (22%" unstretched) 19A 15-1 Spring, Thi-Out Coil (22%" unstretched) 19A 15-1 Spring, Thi-Out Arm Retaining (72%" unstretched) 19A 39 Spring, Tuning Knob Tension for Channel, Horizontal, Contrast, Oil-Volume ("Labaped" knob) for Sharp Tuning ("Oshaped" knob) 12A 221 Tile-Out Eye Belt. 13A 87-1 Washer, Eacutcheon Mig. (24X16S only) for Horizontal-Vertical, Contrast-Brightness, Oil-Volume-Focus knobs for Channel-Sharp Tuning knobs for Channel-Sharp Tuning knobs 5A 4-6 for Channel-Sharp Tuning knobs 5A 4-5 Washer, Fibre (used between inner and outer knobs) 5A 1-27 Wandow, Picture Tabe (with picture tube frame molded to window) for 24X16S, less bower monogram panel 23D48-2) 23D 48-1
2")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 48Cabinet, Wo	1
2")	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Campartment 43B 64-3 for Ratio-Phono Campartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 24X15) 35E 108-1 Mahogany (24X16) 35E 108-2 Mahogany (24X16) 35E 39-5 24X16 35E 39-5 25X16 35E 39-5 25X16 35E 39-5 25X16 35E 39-5 25X16 35E 30-5	for 28 16 21 16 21 21 21 21 21 21 21 21 21 21 21 21 21
2") 368 3.23 E. (#B-32) 2A 2-14-71 * knob) 33C 28-19 htme 33C 28-29 O-shaped" knob) 33C 28-35 (Brass 33C 28-36) 38 1-29-71 htme 18A 5-3 E 1A 67-24-71 on to Cabinet 5.) 1A 67-24-71 on to Cabinet 78-70 i Mig. (#B-70) 1A 48-2-71 ET 18 18 12 includes output 78B 50-1 letaining 19A 48 ining 18A 12 intrast, nob) 98A 44-1 ed" knob) 98A 44-2 trast-Belghtness, 5A 4-6 inob 5A 4-5 inner and outer TABS FOR X146, 20X147 innbers may contain the suffix	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Campartment 43B 64-3 for Ratio-Phono Campartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood Wood (24X15) 35E 108-1 Mahogany (24X16) 35E 108-2 Mahogany (24X16) 35E 89-5 Garten and Fillers 44B 158 Centerpost Mounting Assembly (for holding extra centerposts) A2002 Clamp, Cable 11A 2-6 Cushion Plate, Fibre (for mtg. 23B44-1 channel escutcheon) 32A 78 Decal, Cabinet Lettering 98A 15-1 Decal Ramper, Spongs Rubber 12A 5-5 Door Remper, Spongs Rubber 12A 5-5 Door Gatch and Strike Plate, Bullet 08A 48-26 44B 158 45B 168-56 for Mahogany (24X16) 35E 108-56 for Mahogany (24X16) 35E 108-57 for Mahogany (24X16) 35E 108-58 matched pair for Mahogany (24X16) 35E 108-53 matched pair for Mahogany (24X16) 35E 108-54 35E 10	1
2")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 48Cabinet, Wo	for 28 16 21 16 21 21 21 21 21 21 21 21 21 21 21 21 21
2")	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Campartment 43B 64-3 for Ratio-Phono Campartment 16D 18 4Cabinet, Wood 48C 85-1 16D 18	for 28 16 21 16 21 21 21 21 21 21 21 21 21 21 21 21 21
5")	Back, Cabinet for Album Compartment 43C 85-1 for Ratio-Phono Campartment 43B 64-3 for Ratio-Phono Campartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood Wood (24X15) 35E 108-1 Mahogany (24X16) 35E 108-2 Mahogany (24X16) 35E 89-5 SE 89-5 Carten and Fillers 44B 158 Centerpost Mounting Assembly (for holding extra centerposts) A2002 Clamp, Cable 11A 2-6 Cashina Plate, Fibra (for mtg. 23B44-1 channel escutcheon) 32A 78 Decal, Cabinet Lettering 90A 15-1 Decar Bumper, Spongs Rubber 12A 5-5 Door Remoter, Spongs Rubber 12A 5-5 Door Catch and Strike Plate, Bullet 08A 48-26 4Door, Record Compartment Complete for Walmut (24X15) 35E 108-56 for Mahogany (24X16) 35E 108-56 for Mahogany (24X16) 35E 108-57 for Mahogany (24X16) 35E 108-57 for Mahogany (24X16) 35E 108-51 matched pair for Walmut (24X15) 98A 48-20 4Doors, Televisian and Radio-Phono Compartment matched pair for Walmut (24X16) 35E 108-53 matched pair for Mahogany (24X16) 35E 108-54 match	for 24 M 5 21X16
2")	Back, Cabinet for Album Compartment for Ratio-Phono Campartment for Walvis (24X16) Mahogany (24X16) Mahogany (24X16) Mahogany (24X16) Mahogany (24X16) Mahogany Cable Canterpeat Mounting Assembly (for bolding extra contemposts) Clamp, Cable Canhino Plate, Fibre (for mtg. 21844) channel escutcheson) Decal, Cabinet Leituring 98A 15-1 Decal, Cabinet Leituring 98A 15-1 Decal Remper, Spongs Rubber (W x W x 1") Decal, Cabinet Leituring 98A 15-1 Door Catch and Strike Plate, Bullet. 00A 48-25 Door, Record Compartment Complete for Walnust (24X16) for Mahogany (24X16) Sib 108-57 for Mahogany (24X16) Matched pair for Walnust (24X15) Matched pair for Walnust (24X16) Matched pair for Walnust (24X16) Matched pair for Mahogany (24X16) Matched p	for 24X15, 21X16 for 24 in? Serve, Tifnout Tie Rod Mig. (#6-32 a %" Bd H M S) Speaker, 10" PM (includes output transformer) Spring, Channel Escutcheon Retaining 19A 48 for 24X15, 24X16 Spring, Tils-Out Coil (2%" unstretched) 19A 15-1 Spring, Tils-Out Coil (2%" unstretched) 19A 39 Spring, Tuls-Out Coil (2%" unstretched) Spring, Tuls-Out Arm Retaining (7%" unstretched) 19A 39 Spring, Tuls-Out Arm Retaining (7%" unstretched) Spring, Tuls-Out Arm Retaining (7%" unstretched) Spring, Tuls-Out Coil (2%" unstretched) 19A 48 for Channel, Horizontal, Contrast, Oil-Volume ("Isphaped" knob) 10 A 422 Tils-Out Eye Belt. 10 A 87-1 Washer, Escutcheon Mig. (24X16S only) 24A 22-1 Tils-Out Eye Belt. 11 A 87-1 Washer, Felt (tradio knuhs) 5 4-11 Washer, Felt (tradio knuhs) 5 4-11 Washer, Filtre (tradio knuhs) 5 5 4-11 Washer, Filtre (used between inner and outer knobs) 5 A 4-5 Washer, Filtre (for loop mtg.) 5 A 1-27 Window, Picture Tube (with picture tube frame modded to window) for 24X15, 24X16 23D 50-5 UNIVERSAL REPLACEMENT PARTS FOR
5")	Back, Cabinet for Album Compartment for Ratio-Phono Campartment for Walnut (24X16) for Mahogany (24X16) matched pair for Walnut (24X15) matched pair for Walnut (24X16) matched pair for Mahogany (24X16) matched pair for Mahogany (24X16) matched pair for Mahogany (24X16) for 24X15, 24X16 Escutcheon, Channel (less mounting spring) for 24X15, 24X16 Escutcheon, Channel (less mounting spring) for 24X16, 23B 43 Escutcheon, Channel (less mounting spring) for 24X16, 23B 43 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 441 Escutcheon, Channel (less mounting spring) for 24X16, 23B 454 Escutcheon, Lawer Monogram Panel (for use with 23B36) picture tube window (includes cardboard backing) for use with 23B36 picture tube window (includes cardboard backing) for use with 23B36 picture tube window (includes cardboard backing) for use with 23B36 picture tube window	for 24X15, 21X16 ion 27 in? Server, Tilinout Tie Bod Mig. (#6-32 a %" Bid H M S)
5")	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 42K15) 35E 108-1 Mshogany (24K16) 35E 108-2 Mshogany (24K16) 35E 89-5 Mshogany (24K165) 35E 89-5 Mshogany (24K165) 35E 89-5 Carten and Filters 44B 158 Centerpost Mounting Assembly (for holding extra centerposts) A2002 Clamp, Cable 11A 2-6 Cushino Plate, Fibre (for mtg. 23B44-1 channel escutcheon) 32A 78 Decal, Cabinet Lettering 98A 15-1 Decal Remper, Sponge Rubber (1/2 * 2/2 * 1) 12A 5-5 Decal Remper, Sponge Rubber 60K 48-26 44B-26 44	for 24X15, 21X16 for 24X16 for 24X15, 21X16 for 24X16 for 24X16 Speed Nut (adio escutcheon mounting) Speed Nut (adio escutcheon Metaining Speed Nut (adio escutcheon Metaining Spring, Channel Escutcheon Retaining Spring, Channel Escutcheon Retaining Spring, Thit-Out Call (22% unstretched) Spring, Thit-Out Arm Hetaining (72% unstretched) Spring, Tuning Knob Tension for Channel, Horizontal, Contrast, Oil-Volume ("Ishaped" knob) Spring, Tuning ("Oshaped" knob) Spring, Tuning ("Oshaped" knob) Spring, Tuning ("Oshaped" knob) Spring, Tuning ("Callos only) Spring, Tuning knobs Spring, Spring, Spring knobs Spring, Tuning knobs Spring, Tunin
5")	Back, Cabinet for Album Compartment for Ratio-Phono Campartment for Walnus (24X16) Carton and Filters Genterpost Mounting Assembly (for bolding extra contemposta) Clamp, Cable Cushino Plate, Fibre (for mtg. 23B44-1 channel escutcheson) Clamp, Cable Gushino Plate, Fibre (for mtg. 23B44-1 channel escutcheson) Decal, Cabinet Lettering 98A 15-1 Decal Remper, Spongs Rubber (\(\bar{\text{th}}^2 \times \bar{\text{th}}^2 \times \bar{\text{th}}^	for 24 10? Server, Tilinout Tie Bod Mig. (#6-32 a %" Bd H M S) Server, Tilinout Tie Bod Mig. (#6-32 a %" Bd H M S) Speaker, 10° PM (includes output transformer). 788 122 Speak Nut (for Channel oscurcheon 23B44-1). 2B 10-3-68 Speed Nut (radio escurcheon mounting). 2B 10-24-59 Speed Nut (radio escurcheon Retaining To 24X15, 24X16. 19A 48 for 24X15, 21X16. 19A 48 for 24X15, 21X16. 19A 48 for 24X15, 21X16. 19A 15-1 Spring, Tili-Out Coil (27%" unstretched). 19A 15-1 Spring, Tili-Out Arm Retaining (7½" unstretched). 19A 39 Spring, Tuning Knob Tension for Channel, Horizontal, Contract, Oil-Volume ("Labaped" knob). 98A 44-1 for Shrep Tuning ("Oshaped" knob). 98A 44-2 Tile Rod, Tili-Out (13%" long). 28A 22-1 Tile-Out Eye Belt. 1A 87-1 Washer, Escutcheon Mig. (24X165 only). 5A 1-21 Washer, Felt (tellevision) for Horizontal-Vertical, Contract Brightness, Oif-Volume-Focus knobs. 5A 4-5 Washer, Fibre (used between inner and outer knobs). 5A 1-27 Window, Picture Tube (with picture tube frame modded to window) for 24X15, 24X16. 23D 50 for 24X16S, less lower monogram panel 23D48-2) Window, Picture Tube (used with separate picture tobe frame) for 24X15, 24X16. 23D 50-5 UNIVERSAL REPLACEMENT PARTS FOR ROTO-SCOPE ANTENNA Astenna Lead (includes matching stub and spale lags) A3030 Control Lever Arim (includes world) blades). A3026
2") 368 3.23 E. (#8-32) 2A 2-14-71 * knob) 33C 28-19 lume 33C 28-29 O-shaped" knob) 33C 28-35 (Brass 33C 28-36) 38 1-29-71 sion. 18A 5-3 E. 1A 67-44-71 on to Cabinet 5.) 1A 7-24-71 includes output 78 14 48-2-71 includes output 78 18A 2-1-71 includes output 78 18A 12 intrast, nob) 98A 44-2 crast-Brightness, 5A 4-6 inner and outer 5A 1-30 PARTS FOR 1X146, 20X147 umbers may contain the suffix A3072 the 16D 16 43B 86 43C 21-1-70 35E 107-1 35E 107-1	Back, Cabinet for Album Compartment 43C 85-1 for Album Compartment 43B 64-3 for Television Compartment 16D 18 4Cabinet, Wood 42K15) 35E 108-1 Mshogany (24K16) 35E 108-2 Mshogany (24K16) 35E 89-5 Mshogany (24K165) 35E 89-5 Mshogany (24K165) 35E 89-5 Carten and Filters 44B 158 Centerpost Mounting Assembly (for holding extra centerposts) A2002 Clamp, Cable 11A 2-6 Cushino Plate, Fibre (for mtg. 23B44-1 channel escutcheon) 32A 78 Decal, Cabinet Lettering 98A 15-1 Decal Remper, Sponge Rubber (1/2 * 2/2 * 1) 12A 5-5 Decal Remper, Sponge Rubber 60K 48-26 44B-26 44	for 24 M75, 21X16 for 24 M7 Serve, Tifnout Tie Rod Mig. (#6-32 a %" Bd H M S) Speaker, 10" PM (includes output transformer) Spring, Channel Escutcheon Retaining 19A 48 for 24X15, 24X16 Spring, Tusing Caut Call (22%" unstretched) 19A 15-1 Spring, Tusing Knob Tension for Channel, Horizontal, Contrast, Oil-Volume ("Ishaped" knob) Spring, Tusing ("Oshaped" knob) 19A 44-1 for Sharp Tuning ("Oshaped" knob) 19A 44-2 Tie Rod, Tilt-Out (13%" long) 23A 22-1 Tilt-Out Eye Belt. 10 A 87-1 Washer, Eacutcheous Mig. (24X16S only) 5A 1-21 Washer, Felt (talio knobs) 10 Horizontal-Vertical, Contrast-Brightness, Oil-Volume-Focus knobs 10 A 4-6 10 For Channel-Sharp Tuning knobs 5A 4-6 10 For Channel-Sharp Tuning knobs 5A 4-5 Washer, Filtre (for loop mtg.) 5A 1-27 Wandow, Picture Tube (used between inner and outer knobs) 10 For 24X15, 24X16 10 A 2-20 10 A 3-20 Window, Picture Tube (used with separate picture tube frame) 10 For 24X15, 24X16 23D 50-5 UNIVERSAL REPLACEMENT PARTS FOR ROTO-SCOPE ANTENNA Antenna Lead (includes matching stub and spade lugs) A3030

APH PARTS

