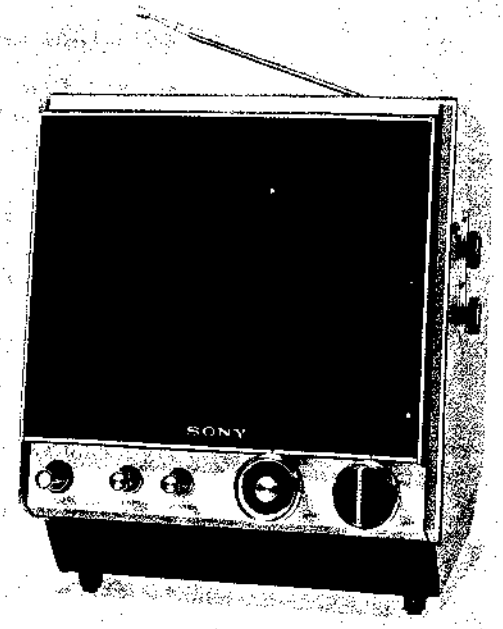
ISO

Set using ISO screws

TV-940/900UA



SPECIFICATIONS

Picture tube: 8″ (measured diagonally)
90° deflection

Semiconductors: 25 transistors, 15 diodes, 3 thermistors and 1 high voltage selenium rectifier

Channel coverage: VHF; ch. 2 – 13
UHF; ch. 14 – 83

Antenna system: VHF; 75-ohm unbalanced; built-in telescopic antenna
300-ohm balanced; external antenna
UHF; 300-ohm balanced; loop antenna and external antenna

IF circuit system: 3 stages with 1 double tuned and 3 single tuned elements

Intermediate frequency: Picture i-f carrier; 45.75 MHz
Sound i-f carrier; 41.25 MHz

Sound system: 4.5 MHz intercarrier system
Power output; 300 mW
Harmonic distortion; less than 10 %
Speaker; 4″ x 2-5/8″, 40 ohm impedance

Jack: Earphone jack 2 pcs, 8 ohms 300 mV

Automatic controls: Pulse agc
Forward agc
Single-pulse afc

Power requirements: AC 120 V 60 Hz (chassis No. SMC-157)
AC 120 V/220 V 60/50 Hz
(chassis No. SMC-160□)
DC 12 V

Power consumption: AC 23 W
DC 15 W

Dimensions: 9-1/16″(W) x 10-1/2″(H) x 10-13/16″(D)
(230 mm x 267 mm x 275 mm)

Weight: 11 lb 7 oz (5.2 kg)

SONY®

SERVICE MANUAL

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SONY CORPORATION

COMPLETE SPARE PARTS LIST CHANGE NOTICE

MODEL TV-940/900UA

(Production change, ~~correction, addition, deletion~~)
is done onto this parts list.
Replace the former copy with this new one. Refer to this parts list when you order the service parts.

SONY®

Complete Spare Parts List

Model TV-940/900UA

Revised

"IMPORTANT"

When ordering parts, please do not fail to furnish us the following:

1. Part Number
2. Model Name
3. Description as mentioned in this parts list

We are now using EDPS (Electronic Data Processing System) in all the departments concerned, for procurement, inventory control, packing, warehousing, etc. Your orders are processed mainly from the PART NUMBERS referred by you. Incorrect part numbers, therefore, will result in incorrect parts shipment. To assure prompt shipment of correct parts, your cooperation will be appreciated.

NOTE:

Prices are subject to change without notice.

SONY CORPORATION

COMPLETE SPARE PARTS LIST FOR TV-900UA/940

JANUARY, 1972

Part No.	Description	Unit Price
	I. MECHANICAL PARTS	
X-40074-05	Mounting Bracket Ass'y, picture tube	$0.04
X-40170-01	Cabinet Ass'y, front	1.36
X-40170-02	Cabinet Ass'y, rear	1.22
X-40170-03	Knob Ass'y, VHF channel selector	0.23
X-40170-04	Knob Ass'y, fine tuning	0.15
X-40170-05	Knob Ass'y, UHF dial	0.22
X-40170-06	UHF Dial Ass'y	0.19
X-40170-07	Knob Ass'y, PULL ON/OFF control	0.12
X-40170-08	Cover Ass'y, carrying handle	0.07
X-43020-10	Knob Ass'y, BRT & CONTR control	0.19
2-825-006	Mica Spacer	0.01
2-832-003	Bushing, F2	0.01
3-410-032	Clamp, cord	0.02
3-811-132	Spring, UHF dial knob	0.01
4-001-084	Spring, UHF dial	0.01
4-003-220	Grounding Spring, picture tube	0.02
4-003-250	Spring, fine tuning knob	0.02
4-004-143	Label, serial number	0.02
4-004-201	Fiber Washer, BF board	0.01
4-005-538	Caution Label, picture tube	0.04
4-005-551	Reinforcement, BF board	0.01
4-005-557	Cushion, printed circuit board	0.02
4-006-255	Terminal Pin	0.01
4-007-075	Cushion, picture tube	0.02
4-008-017	Spring, channel selector knob	0.02
4-008-448	Heat Sink, horizontal output transistor	0.03
4-009-533-02S	Terminal Knob, antenna	0.03
4-009-535-12S	Screw, antenna	0.03
4-009-537	SIF Shield Cover, lower side	0.02
4-009-538	SIF Fiber Cover	0.02
4-009-705	Panel, upper	0.08
4-009-706	Rubber Foot	0.01
4-009-707	Retaining Plate, protector	0.02
4-009-733	Retaining Spring, speaker	0.02
4-009-735	Clamp, electrolytic capacitor	0.01

Part No.	Description	Unit Price
4-010-012	Cylindrical Shield, micro inductor	$0.03
4-010-018	Spring Washer, 14 ϕ	0.01
4-010-019	Nut, 14 ϕ	0.02
4-010-033	Label, certification	0.02
4-010-506	VIF Shield Cover, lower side	0.01
4-010-507	VIF Fiber Cover, upper side	0.01
4-010-719-11	Control Knob	0.02
4-010-812	VIF Shield Cover, upper side	0.03
4-010-821	Caution Label, high voltage	0.01
4-011-437	Heat Sink, diode SB-2	0.03
4-011-462	Spacer, transistor	0.01
4-011-923	Support, high voltage selenium rectifier	0.07
4-011-924	Cap, high voltage selenium rectifier	0.02
4-011-925	SIF Shield Cover, upper side	0.02
4-011-928	Terminal Cover, high voltage	0.01
4-011-929	Reinforcement, printed circuit board	0.01
4-011-930	Mounting Wire Ring, picture tube	0.06
4-011-932	Spacer, high voltage selenium rectifier	0.01
4-015-514	Label, fuse (0.3 A)	0.01
4-017-002	Escutcheon, right	0.17
4-017-003	Escutcheon, left	0.17
4-017-005	Anchor, cord	0.02
4-017-041	Protector, picture tube	0.42
4-017-042	Holder, protector	0.08
4-017-043	Carrying Handle	0.17
4-017-044	Mounting Bracket, vhf tuner	0.07
4-017-045	Mounting Bracket, adjustable resistor	0.07
4-017-046	Supporting Plate, printed circuit board; left	0.09
4-017-047	Supporting Plate, printed circuit board; right	0.04
4-017-048	Heat Sink, vertical output transistor	0.10
4-017-049	Mounting Plate, 4 P plug	0.04
4-017-050	Shaft, carrying handle	0.02
4-017-051	Height Label	0.01
4-017-052	Vertical Line Label	0.01
4-017-053	Holder, cord clamp	0.01
4-017-054	Holder, flyback transformer	0.02
4-017-055	Reinforcement, printed circuit board; VIF side	0.01
4-017-056	Reinforcement, printed circuit board; upper side	0.05
4-017-057	Front Panel	0.17
4-017-064	Spacer, insulator	0.01
4-302-110	Spring, knob	0.01
4-017-082	Specification Label (120 V) (Chassis No. SMC-160A)	0.04
4-017-083	Specification Label (220 V) (Chassis No. SMC-160B)	0.04
4-017-081	Mounting Plate, power transformer (Chassis No. SMC-160□)	0.07

Part No.	Description	Unit Price
	II. MOUNTING HARDWARES	(Per 100)
7-621-559-58	Tapping Screw, (+) K 2.6 x 8	$0.63/100
7-621-721-82	Tapping Screw, (+) R 2.6 x 8	0.27/100
7-621-722-57	Tapping Screw, (+) BV 3 x 8	0.17/100
7-621-722-63	Tapping Screw, (+) BV 3 x 10	0.18/100
7-682-148-13	Screw, (+) P 3 x 8	0.29/100
7-682-149-13	Screw, (+) P 3 x 10	0.32/100
7-682-162-05	Screw, (+) P 4 x 10	0.33/100
7-682-163-01	Screw, (+) P 4 x 12	0.15/100
7-682-198-01	Screw, (+) P 3 x 50	0.62/100
7-682-546-05	Screw, (+) B 3 x 5	0.29/100
7-682-548-05	Screw, (+) B 3 x 8	0.29/100
7-682-646-01	Screw, (+) PS 3 x 5	0.24/100
7-685-147-25	Tapping Screw, (+) P 3 x 10	0.43/100
7-685-160-21	Tapping Screw, (+) B 4 x 10	0.36/100
7-685-553-21	Tapping Screw, (+) B 3 x 30	0.71/100
7-684-011-01	Nut, 2 ϕ	0.16/100
7-684-013-01	Nut, 3 ϕ	0.21/100
7-684-014-00	Nut, 4 ϕ	0.25/100
7-623-105-12	Washer, 2 ϕ	0.04/100
7-623-110-15	Washer, 4 ϕ	0.05/100
7-623-405-01	Lock Washer, external tooth; 2 ϕ	0.17/100
7-623-408-01	Lock Washer, external tooth; 3 ϕ	0.19/100
7-623-410-01	Lock Washer, external tooth; 4 ϕ	0.20/100
7-623-510-11	Lug Washer, 4 ϕ	0.11/100
7-623-617-01	Eyelet, 2 ϕ x 4	0.06/100
7-625-312-18	Rivet 2.6 x 3	0.19/100

Ref. No.	Part No.	Description	Unit Price
		III. ELECTRICAL PARTS	
		The components marked with ◆ are used for the following sets;	
		TV-940; Serial No. 47,901 and later TV-900UA; Serial No. 21,501 and later	
		General	
	1-463-030	VHF Tuner (BT-443Wu-02)	$5.37
	1-463-006-21	UHF Tuner Ass'y (BT-182)	3.92
	8-980-185-75	Signal Deflection Circuit Board (BF), complete	23.87
		Semiconductors	
Q301		Transistor, 2SC657	0.30
◆ Q301		Transistor, 2SC1129	0.21
Q302		Transistor, 2SC657	0.30
◆ Q302		Transistor, 2SC1129	0.21
Q303		Transistor, 2SC629	0.25
◆ Q303		Transistor, 2SC1128	0.21
Q304		Transistor, 2SB382	0.21
Q305		Transistor, 2SB382	0.21
Q401		Transistor, 2SC403A	0.14
Q402		Transistor, 2SC403A	0.14
Q403		Transistor, 2SC403A	0.14
Q501		Transistor, 2SC805	0.38
Q501		Transistor, 2SC1127 (TV-940; Serial No. 38,001 and later; TV-900UA; Serial No. 20,501 and later)	0.35
Q551		Transistor, 2SC633	0.14
Q552		Transistor, 2SB381	0.21
Q553		Transistor, 2SD72	0.39
Q554		Transistor, 2SB381	0.21
Q601		Transistor, 2SA182	0.12
Q602		Transistor, 2SC633	0.14
Q701		Transistor, 2SC633	0.14
Q702		Transistor, 2SA677	0.39
Q703		Transistor, 2SD292	0.37
Q801		Transistor, 2SC403A	0.14
Q802		Transistor, 2SD291	0.38
Q803		Transistor, 2SC895	0.37
D302		Diode, 1T-22	0.05
D401		Diode, S6-10	0.12
D402		Diode, 1T23	0.05
D403		Diode, 1T23	0.05

Ref. No.	Part No.	Description	Unit Price
D501		Diode, HFSD-1Z	$0.12
D601		Diode, 1T22A	0.05
D602		Diode, 1T22A	0.05
D701		Diode, 1T22A	0.05
D702		Diode, 1T22A	0.05
D801		Diode, 1T22A	0.05
D802		Diode, SB-2	0.37
D803		Diode, HFSD-1A	0.17
D804		Diode, UFSD-1A	0.21
D805	1-531-028	Selenium Rectifier, high voltage (HS-20)	0.61
DET	1-425-636	Detector Block (D301 1T261)	0.15
Th301	8-690-003	Thermistor, S-90	0.03
Th302	8-690-006	Thermistor, S-1250	0.03
Th551	8-691-001	Thermistor, CS-120	0.06
		Coils	
L1	1-407-178	1 µH, micro inductor	0.04
L301	1-409-160-31	41.25 MHz, trap coil	0.09
L302	1-409-160-21	47.25 MHz, trap coil	0.09
L303	1-409-160-21	39.75 MHz, trap coil	0.09
L304	1-409-170	33.75 MHz, trap coil	0.12
L305	1-407-178	1 µH, micro inductor	0.04
L306	1-407-178	1 µH, micro inductor	0.04
L307	1-407-157	10 µH, micro inductor	0.03
L308	1-407-184	3.3 µH, micro inductor	0.05
L309	1-407-173	220 µH, micro inductor	0.03
L310	1-407-184	3.3 µH, micro inductor	0.05
L311	1-407-184	3.3 µH, micro inductor	0.05
L312		- built in detector block -	
L313	1-407-184	3.3 µH, micro inductor	0.05
L401	1-407-178	1 µH, micro inductor	0.04
L402	1-409-036	4.5 MHz, trap coil	0.10
L403	1-407-187	5.6 µH, micro inductor	0.04
L501	1-407-171	150 µH, micro inductor	0.03
L501	-	-	-
		(TV-940; Serial No. 38,001 and later (TV-900UA; Serial No. 20,501 and later	
L502	1-407-174	270 µH, micro inductor	0.03
L502	1-407-176	390 µH, micro inductor	0.03
		(TV-940; Serial No. 38,001 and later (TV-900UA; Serial No. 20,501 and later	

Ref. No.	Part No.	Description	Unit Price
L601	1-407-200	3.3 mH, micro inductor	$0.05
L701	1-421-174	Choke Coil, vertical output; VCH	2.76
L801	1-413-005	Coil, stabilizing; HSC	0.12
L802	1-421-013	25 µH, micro inductor	0.04
L803	1-407-365	1 µH, micro inductor	0.03
L804	1-407-365	1 µH, micro inductor	0.03
L805	1-407-366	2 µH, micro inductor	0.03
L806	1-459-042	Coil, horizontal linearity; HLC	0.32
L807	1-407-175	330 µH, micro inductor	0.03
L901	1-421-126	Choke Coil, filter; BCH	0.36
L902	1-407-169	100 µH, micro inductor	0.03

Transformers

T1	1-417-014-41	Transformer, antenna matching	0.06
T302	1-403-701	Transformer, video i-f	0.12
T303	1-403-727	Transformer, video i-f	0.12
T401	1-403-348	Transformer, audio i-f	0.12
T402	1-403-349	Transformer, audio i-f	0.13
T403	1-403-313-12	Transformer, audio i-f	0.27
T701	1-435-008	Transformer, vertical osc; VBT	0.14
T801	1-435-034	Transformer, horizontal osc; HBT	0.14
T802	1-437-019	Transformer, horizontal drive; HDT	0.15
T803	1-439-070	Transformer, flyback; HOT	1.61
T901	1-441-751-12	Transformer, power (Chassis No. SMC-157)	1.61
T901	1-441-283	Transformer, power (Chassis No. SMC-160[illegible])	2.36

Capacitors

C301	1-102-941	4 pF	±0.5 pF	50 WV	ceramic	0.01
C302	1-101-969	5 pF	±0.5 pF	50 WV	ceramic	0.03
C303	1-101-969	5 pF	±0.5 pF	50 WV	ceramic	0.03
C304	1-102-942	5 pF	±0.5 pF	50 WV	ceramic	0.01
◆C304	1-102-668	15 pF	±5 %	50 WV	ceramic	0.02
C305	1-101-886	62 pF	±5 %	50 WV	ceramic	0.01
◆C305	-	-				-
C306	1-102-971	82 pF	±5 %	50 WV	ceramic	0.02
◆C306	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic	0.02
C307	1-102-971	82 pF	±5 %	50 WV	ceramic	0.02
C308	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic	0.02
C309	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic	0.02
C310	1-102-949	12 pF	±5 %	50 WV	ceramic	0.02

Ref. No.	Part No.	Description				Unit Price
C311	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	$0.02
C312	1-101-455	0.001 µF	±20 %	50 WV	ceramic ------	0.02
C313	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C314	1-102-946	9 pF	±5 %	50 WV	ceramic ------	0.02
C315	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C316	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C317	1-101-455	0.001 µF	±20 %	50 WV	ceramic ------	0.02
C318	1-101-834	1.8 pF	±0.2 pF	50 WV	ceramic ------	0.02
C319	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C320	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C321	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C322	-	-				-
C323	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C324	1-102-934	1 pF	±0.25 pF	50 WV	ceramic ------	0.01
C326	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C327	1-102-942	5 pF	±0.5 pF	50 WV	ceramic ------	0.01
C328	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C329	1-121-402	33 µF	+100 -10 %	10 WV	electrolytic -	0.05
C330	1-101-006	0.047 µF	+100 -10 %	50 WV	ceramic ------	0.03
C331	1-127-023	1 µF	±20 %	10 WV	electrolytic (alox) -------	0.06
C332	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar --------	0.02
C333	1-127-024	22 µF	±20 %	10 WV	electrolytic (alox) -------	0.07
C334	1-102-946	10 pF	±5 %	50 WV	ceramic ------	0.02
	1-101-837	0.5 pF	±0.2 pF	50 WV	ceramic ------	0.02
*C335	1-101-586	0.8 pF	±0.2 pF	50 WV	ceramic ------	0.02
	1-102-934	1 pF	±0.25 pF	50 WV	ceramic ------	0.02
C336	-	-				-
C337	1-127-022	0.47 µF	±20 %	10 WV	electrolytic (alox) -------	0.06
C338		- built in T302 -				
C339		- built in T303 -				
C340		- built in detector block -				
C341	1-102-946	9 pF	±0.5 pF	50 WV	ceramic ------	0.02
◆ C341	-	-				-
C342		- built in detector block -				
C343	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C401	1-103-610	240 pF	±5 %	50 WV	polystyrene --	0.03
C402	1-103-663	330 pF	±10 %	50 WV	polystyrene --	0.03
C403	1-102-973	100 pF	±5 %	50 WV	ceramic ------	0.02
C404	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.01
C405	1-102-943	6 pF	±0.5 pF	50 WV	ceramic ------	0.01

* Mark to be selected.

Note: Regarding * ◆ C335, see page 7-2/16.

Ref. No.	Part No.	Description	Unit Price
◆ *C335	1-101-586	0.8 pF ±5 % 50 WV ceramic --------	$0.02
	1-102-934	1 pF ±0.25 pF 50 WV ceramic --------	0.01
	1-101-587	1.3 pF ±5 % 50 WV ceramic --------	0.03
	1-101-938	1.5 pF ±10 % 500 WV ceramic --------	0.03
◆ *R326	1-244-701	15 kΩ ----------	0.02
	1-244-703	18 kΩ ----------	0.02
	1-244-704	20 kΩ ----------	0.02
	1-244-705	22 kΩ ----------	0.02
	1-244-706	24 kΩ ----------	0.02
	1-244-707	27 kΩ ----------	0.02
	1-244-708	30 kΩ ----------	0.02
	1-244-709	33 kΩ ----------	0.02
	1-244-710	36 kΩ ----------	0.02
	1-244-711	39 kΩ ----------	0.02
	1-244-712	43 kΩ ----------	0.02
	1-244-713	47 kΩ ----------	0.02
	1-244-714	51 kΩ ----------	0.02

* Mark to be selected.

Ref. No.	Part No.	Description				Unit Price
C406	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	$0.01
C407	-		-			-
C408	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.01
C409	1-101-455	0.001 µF	±20 %	50 WV	ceramic ------	0.02
C410	1-102-945	8 pF	±0.5 pF	50 WV	ceramic ------	0.01
C411	1-102-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.02
C412	1-101-006	0.047 µF	+100 -0 %	50 WV	ceramic ------	0.03
C413	1-102-673	30 pF	±5 %	50 WV	ceramic ------	0.02
C414	1-101-571	140 pF	±5 %	50 WV	ceramic ------	0.04
C415	1-102-098	470 pF	±20 %	50 WV	ceramic ------	0.03
C416	1-102-098	470 pF	±20 %	50 WV	ceramic ------	0.03
C417	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C418	1-101-492	0.02 µF	±20 %	50 WV	ceramic ------	0.03
C419	1-101-492	0.02 µF	±20 %	50 WV	ceramic ------	0.03
C420	1-101-002	0.0022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C421	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.01
C422	1-101-006	0.047 µF	+100 -0 %	50 WV	ceramic ------	0.03
C423	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C424	1-121-358	220 µF	+100 -10 %	16 WV	electrolytic -	0.07
C501	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C502	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar --------	0.02
C502	1-105-701-12	0.001 µF ±10 %	100 WV	mylar ----------		0.03
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later				
C503	1-113-124	0.2 µF	±10 %	150 WV	paper --------	0.09
C504	1-121-415	100 µF	+100 -10 %	16 WV	electrolytic -	0.06
C505	1-121-246	4.7 µF	+100 -10 %	150 WV	electrolytic -	0.06
C506	1-113-122	0.05 µF	±20 %	500 WV	paper --------	0.07
C507	1-105-755-12	0.015 µF	±10 %	200 WV	mylar --------	0.04
C508	1-121-168	1 µF	+150 -10 %	350 WV	electrolytic -	0.06
C509	1-105-749-12	0.0047 µF	±10 %	200 WV	mylar --------	0.03
C510	-		-			-
C511	1-113-122	0.05 µF	±20 %	500 WV	paper --------	0.07
C512	1-113-122	0.05 µF	±20 %	500 WV	paper --------	0.07
C513	1-113-124	0.2 µF	±10 %	150 WV	paper --------	0.09
C551	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.06
C552	1-121-358	220 µF	+100 -10 %	16 WV	electrolytic -	0.07
C553	1-121-402	33 µF	+100 -10 %	10 WV	electrolytic -	0.05
C554	1-121-426	470 µF	+100 -10 %	16 WV	electrolytic -	0.12
C555	1-121-409	47 µF	+100 -10 %	16 WV	electrolytic -	0.04
C556	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C557	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C558	1-105-717-12	0.022 µF	±20 %	100 WV	mylar --------	0.03
C559	1-105-717-12	0.022 µF	±20 %	100 WV	mylar --------	0.03

Ref. No.	Part No.	Description				Unit Price
C601	1-127-021	0.33 µF	±20 %	10 WV	electrolytic (alox) -------	$0.06
C602	1-127-025	3.3 µF	±20 %	10 WV	electrolytic (alox) -------	0.27
C603	1-121-344	4.7 µF	+150 -10 %	50 WV	electrolytic -	0.04
C604	1-105-721-12	0.047 µF	±10 %	100 WV	mylar --------	0.05
C605	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
C606	1-105-713-12	0.01 µF	±10 %	100 WV	mylar --------	0.03
C607	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar --------	0.02
C608	1-121-345	3.3 µF	+150 -10 %	50 WV	electrolytic -	0.04
C609	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
C610	1-127-025	3.3 µF	±20 %	10 WV	electrolytic (alox) -------	0.27
C611	1-105-721-12	0.047 µF	±10 %	100 WV	mylar --------	0.05
C701	1-127-232	4.7 µF	±20 %	25 WV	electrolytic (alox) -------	0.16
C702	1-131-116	10 µF	±20 %	16 WV	tantalum -----	0.35
C703	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C704	1-127-026	4.7 µF	±20 %	10 WV	electrolytic (alox) -------	0.07
C705	1-121-415	100 µF	+100 -10 %	16 WV	electrolytic -	0.06
C706	1-121-426	470 µF	+100 -10 %	16 WV	electrolytic -	0.12
C801	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
C802	1-105-721-12	0.047 µF	±10 %	100 WV	mylar --------	0.05
C803	1-129-776	0.022 µF	±5 %	50 WV	polypropylene film --------	0.05
C804	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
*C805	1-105-705-12	0.0022 µF	±10 %	100 WV	mylar --------	0.02
	1-105-706-12	0.0033 µF	±10 %	100 WV	mylar --------	0.04
	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar --------	0.02
	1-105-711-12	0.0068 µF	±10 %	100 WV	mylar --------	0.03
	1-105-713-12	0.01 µF	±10 %	100 WV	mylar --------	0.03
C806	1-121-703	100 µF	+100 -10 %	50 WV	electrolytic -	0.15
C807	1-105-725-12	0.1 µF	±10 %	100 WV	mylar --------	0.07
C808	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic -------	0.02
C809	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic -------	0.02
C810	1-105-464-16	0.0033 µF	±10 %	600 WV	mylar --------	0.05

* Mark to be selected.

Ref. No.	Part No.	Description			Unit Price
*C811	1-105-461-16	0.001 µF	±10 %	600 WV mylar --------	$0.04
	1-105-462-16	0.0015 µF	±10 %	600 WV mylar --------	0.04
	1-105-463-16	0.0022 µF	±10 %	600 WV mylar --------	0.04
	1-105-464-16	0.0033 µF	±10 %	600 WV mylar --------	0.05
	1-105-465-16	0.0047 µF	±10 %	600 WV mylar --------	0.05
C812	1-121-703	100 µF	+100 -10 %	50 WV electrolytic -	0.15
C813	1-129-498	1.2 µF	±10 %	100 WV polyethylene film --------	0.36
C814	1-101-845	0.001 µF	+100 -0 %	500 WV ceramic ------	0.02
C815	1-101-006	0.047 µF	+100 -0 %	50 WV ceramic ------	0.03
C816	1-101-845	0.001 µF	+100 -0 %	500 WV ceramic ------	0.02
C817	1-101-821	0.002 µF	+100 -0 %	500 WV ceramic ------	0.02
C901	1-121-555	4000 µF	+100 -15 %	15 WV electrolytic -	0.38
C902	1-121-555	4000 µF	+100 -15 %	15 WV electrolytic -	0.38
C903	1-119-101	100 µF	+30 -10 %	12 WV electrolytic -	0.06
C904	1-121-409	47 µF	+100 -10 %	16 WV electrolytic -	0.04
C905	1-119-106	100 µF	±20 %	16 WV electrolytic -	0.04

* Mark to be selected.

Resistors

(All resistors are ERD14V, ±5 %, carbon unless otherwise specified.)

R301	1-248-629	15 Ω ----------	0.02
R302	-	-	-
R303	1-248-627	12 Ω ----------	0.02
R304	1-248-649	100 Ω ----------	0.02
R305	1-248-659	270 Ω ----------	0.02
R306	1-248-656	200 Ω ----------	0.02
R307	1-248-665	470 Ω ----------	0.02
R308	1-248-656	200 Ω ----------	0.02
R309	1-248-657	220 Ω ----------	0.02
R310	1-248-659	270 Ω ----------	0.02
R311	-	-	-
R312	1-248-663	390 Ω ----------	0.02
R313	1-248-696	9.1 kΩ ----------	0.02
R314	1-248-675	1.2 kΩ ----------	0.02
R315	1-248-651	120 Ω ----------	0.02

Ref. No.	Part No.	Description	Unit Price
	1-244-491	5.6 kΩ RD1/8P	$0.02
	1-244-493	6.8 kΩ RD1/8P	0.02
	1-244-495	8.2 kΩ RD1/8P	0.02
	1-244-497	10 kΩ RD1/8P	0.02
	1-244-499	12 kΩ RD1/8P	0.02
	1-244-501	15 kΩ RD1/8P	0.02
*R316	1-244-503	18 kΩ RD1/8P	0.02
	1-244-505	22 kΩ RD1/8P	0.02
	1-244-507	27 kΩ RD1/8P	0.02
	1-244-509	33 kΩ RD1/8P	0.02
	1-244-510	36 kΩ RD1/8P	0.02
	1-244-513	47 kΩ RD1/8P	0.02
R317	1-248-646	75 Ω	0.02
R318	1-248-680	2 kΩ	0.02
R319	1-248-655	180 Ω	0.02
R320	1-248-690	5.1 kΩ	0.02
R321	1-248-681	2.2 kΩ	0.02
R322	1-248-671	820 Ω	0.02
R323	1-248-687	3.9 kΩ	0.02
R324	1-248-665	470 Ω	0.02
R325	1-248-677	1.5 kΩ	0.02
	1-248-706	24 kΩ	0.02
	1-248-707	27 kΩ	0.02
	1-248-708	30 kΩ	0.02
	1-248-709	33 kΩ	0.02
*R326	1-248-710	36 kΩ	0.02
	1-248-711	39 kΩ	0.02
	1-248-712	43 kΩ	0.02
	1-248-713	47 kΩ	0.02
	1-248-714	51 kΩ	0.02
	1-248-715	56 kΩ	0.02
R327	1-248-700	13 kΩ	0.02
R328	1-248-655	180 Ω	0.02
R329	1-248-665	470 Ω	0.02
R329	1-244-667	560 Ω RD1/4H	0.02
		TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
R330	1-248-683	2.7 kΩ	0.02
R331	1-248-671	820 Ω	0.02
R332	1-248-657	220 Ω	0.02
	1-248-703	18 kΩ	0.02
*R333	1-248-704	20 kΩ	0.02
	1-248-705	22 kΩ	0.02
	1-248-706	24 kΩ	0.02

* Mark to be selected.

Note: Regarding * ◆ R326, see page 7-2/16.

Ref. No.	Part No.	Description	Unit Price
R334	1-248-666	510 Ω	$0.02
R335	1-248-666	510 Ω	0.02
R336	-	-	-
R337	1-248-659	270 Ω	0.02
◆R337	1-242-658	240 Ω	0.02
◆R338	1-242-665	470 Ω	0.02
R401	1-248-657	220 Ω	0.02
R402	1-248-664	430 Ω	0.02
R403	1-246-706	24 kΩ ERD14T	0.02
R404	1-248-686	3.6 kΩ	0.02
R405	1-248-673	1 kΩ	0.02
R406	1-248-649	100 Ω	0.02
*R407	1-244-486	3.6 kΩ RD1/8P	0.02
	1-244-487	3.9 kΩ RD1/8P	0.02
	1-244-489	4.7 kΩ RD1/8P	0.02
	1-244-490	5.1 kΩ RD1/8P	0.02
	1-244-491	5.6 kΩ RD1/8P	0.02
	1-244-493	6.8 kΩ RD1/8P	0.02
	1-244-495	8.2 kΩ RD1/8P	0.02
	1-244-497	10 kΩ RD1/8P	0.02
R408	1-248-694	7.5 kΩ	0.02
R409	1-248-685	3.3 kΩ	0.02
R410	1-248-670	750 Ω	0.02
R411	1-248-673	1 kΩ	0.02
R412	1-204-345	5.1 kΩ RD1/16L	0.02
R413	1-248-649	100 Ω	0.02
R414	1-248-675	1.2 kΩ	0.02
R415	1-248-675	1.2 kΩ	0.02
R416	1-248-685	3.3 kΩ	0.02
R417	1-248-685	3.3 kΩ	0.02
R418	1-248-641	47 Ω	0.02
R420	1-242-632	20 Ω RD1/4V (TV-940; Serial No. 38,001 and later; TV-900UA; Serial No. 20,501 and later)	0.02
*R501	1-246-694	7.5 kΩ ERD14T	0.02
	1-246-695	8.2 kΩ ERD14T	0.02
	1-246-697	10 kΩ ERD14T	0.02
	1-246-699	12 kΩ ERD14T	0.02
	1-246-701	15 kΩ ERD14T	0.02
R501	1-244-693	6.8 kΩ RD1/4H (TV-940; Serial No. 38,001 and later; TV-900UA; Serial No. 20,501 and later)	0.02

* Mark to be selected.

Ref. No.	Part No.	Description	Unit Price
R502	1-250-919	82 kΩ RD12T	$0.02
R502	1-244-921	100 kΩ ERD12V	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later)	
R503	1-246-640	43 Ω ERD14T	0.02
R503	1-244-643	56 Ω RD1/4H	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later)	
R504	1-246-681	2.2 kΩ ERD14T	0.02
R504	1-246-673	1 kΩ RD1/4H	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later)	
R505	1-248-697	10 kΩ	0.02
R505	-	-	-
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later)	
R506	1-211-078	8.2 kΩ RD1P	0.02
R506	1-211-074	5.6 kΩ RD1P	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later)	
R507	1-246-730	240 kΩ ERD14T	0.02

Ref. No.	Part No.	Description	Unit Price
R508	1-246-666	510 Ω ERD14T	$0.02
R509	1-202-621-51	100 kΩ ±20 % RC1/2, composition	0.02
R510	1-246-704	20 kΩ ERD14T	0.02
R511	1-202-621-51	100 kΩ ±20 % RC1/2, composition	0.02
R517	1-246-696	9.1 kΩ ERD14T	0.02
R518	1-248-633	22 Ω	0.02
R518	-	-	-
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
R551	1-248-697	10 kΩ	0.02
R552	1-248-697	10 kΩ	0.02
R553	1-248-679	1.8 kΩ	0.02
R554	1-248-612	3 Ω	0.02
R555	1-248-693	6.8 kΩ	0.02
R556	1-248-675	1.2 kΩ	0.02
R557	1-248-641	47 Ω	0.02
R558	1-248-655	180 Ω	0.02
R559	1-248-659	270 Ω	0.02
R560	1-248-675	1.2 kΩ	0.02
R561	1-248-612	3 Ω	0.02
R562	1-248-618	5.1 Ω	0.02
R563	1-248-631	18 Ω	0.02
R564	1-246-653	150 Ω ERD14T	0.02
R601	1-246-642	51 Ω ERD14T	0.02
R602	1-246-661	330 Ω ERD14T	0.02
R603	1-246-697	10 kΩ ERD14T	0.02
R604	1-246-737	470 kΩ ERD14T	0.02
R605	1-246-677	1.5 kΩ ERD14T	0.02
R606	1-246-697	10 kΩ ERD14T	0.02
R607	1-246-701	15 kΩ ERD14T	0.02
R608	1-246-712	43 kΩ ERD14T	0.02
R609	1-246-656	200 Ω ERD14T	0.02
R610	1-246-683	2.7 kΩ ERD14T	0.02
R611	1-246-680	2 kΩ ERD14T	0.02
R612	1-246-701	15 kΩ ERD14T	0.02
R613	1-246-690	5.1 kΩ ERD14T	0.02
R614	1-211-074	5.6 kΩ RD1P	0.02
R615	1-246-688	4.3 kΩ ERD14T	0.02
R616	1-246-690	5.1 kΩ ERD14T	0.02
R617	1-246-677	1.5 kΩ ERD14T	0.02
R618	1-246-690	5.1 kΩ ERD14T	0.02
R619	1-246-670	750 Ω ERD14T	0.02
R620	1-246-625	10 Ω ERD14T	0.02

Ref. No.	Part No.	Description	Unit Price
*R621	1-246-687	3.9 kΩ ERD14T	$0.02
	1-246-688	4.3 kΩ ERD14T	0.02
	1-246-689	4.7 kΩ ERD14T	0.02
	1-246-690	5.1 kΩ ERD14T	0.02
	1-246-691	5.6 kΩ ERD14T	0.02
	1-246-692	6.2 kΩ ERD14T	0.02
	1-246-693	6.8 kΩ ERD14T	0.02
	1-246-694	7.5 kΩ ERD14T	0.02
	1-246-695	8.2 kΩ ERD14T	0.02
R701	1-246-660	300 Ω ERD14T	0.02
R702	1-246-688	4.3 kΩ	0.02
R703	1-246-677	1.5 kΩ	0.02
R704	1-246-625	10 Ω	0.02
R705	1-246-688	4.3 kΩ	0.02
R706	1-246-688	4.3 kΩ	0.02
R707	1-246-706	24 kΩ	0.02
R708	1-246-680	2 kΩ	0.02
R709	1-246-680	2 kΩ	0.02
R710	1-246-688	4.3 kΩ	0.02
*R711	1-246-673	1 kΩ	0.02
	1-246-675	1.2 kΩ	0.02
	1-246-677	1.5 kΩ	0.02
	1-246-679	1.8 kΩ	0.02
	1-246-680	2 kΩ	0.02
	1-246-681	2.2 kΩ	0.02
R712	1-246-665	470 Ω	0.02
R713	1-207-019	3 Ω ±10 % RW1/4RL, wire wound	0.04
R714	1-207-019	3 Ω ±10 % RW1/4RL, wire wound	0.04
R715	1-246-660	300 Ω ERD14T	0.02
R801	1-246-688	4.3 kΩ ERD14T	0.02
R802	1-246-672	910 Ω ERD14T	0.02
R803	1-246-673	1 kΩ ERD14T	0.02
R804	1-246-666	510 Ω ERD14T	0.02
R805	1-246-666	510 Ω ERD14T	0.02
R806	1-246-660	300 Ω ERD14T	0.02
R807	1-248-691	5.6 kΩ ERD14T	0.02
R813	1-246-631	18 Ω ERD14T	0.02
R814	1-246-687	3.9 kΩ ERD14T	0.02
R815	1-207-091	6.8 Ω RW1/2RL, wire wound	0.04
R816	1-207-015	2 Ω RW1/4RL, wire wound	0.02

* Mark to be selected.

Ref. No.	Part No.	Description	Unit Price
R901	1-202-642-31	750 kΩ ±10 % RC1/2, composition --------	$0.02
R902	1-207-054	39 Ω ±10 % RW3, wire wound ----------	0.05
VR301	1-221-998	500 Ω-B, adjustable (AGC SET) ----------	0.14
VR501	1-222-506	1 kΩ-E, variable (CONTR) ----------	0.13
VR502	1-222-505	250 kΩ-B, variable (BRT) ----------	0.13
VR551	1-221-822	5 kΩ-D, variable (VOLUME) ----------	0.42
VR601	1-222-510	1 kΩ-B, variable (HOR) ----------	0.13
VR701	1-222-511	2 kΩ-B, variable (VER) ----------	0.13
VR702	1-221-390	5 kΩ-B, adjustable (V. LIN) ----------	0.09
VR703	1-221-390	5 kΩ-B, adjustable (HEIGHT) ----------	0.09

Miscellaneous

HPF	1-231-046	High Pass Filter ----------	0.18
DY	1-451-055	Deflection Yoke ----------	1.75
ANT	1-501-130	Telescopic Antenna ----------	0.83
SP	1-502-126	Speaker ----------	0.53
	1-506-320	Dc Plug, 2 pole ----------	0.23
J551,552	1-507-174-23	Jack, earphone ----------	0.10
	1-508-082-61	Connector, 4 pole ----------	0.21
	1-508-201-35 1-508-202-22	Connector, anode cap ----------	0.21
S902	1-513-216-14	Switch, charging ----------	0.18
S1	1-514-429-12	Slide Switch, antenna ----------	0.09
	1-526-083-55	Socket Ass'y, picture tube ----------	0.33
Se	1-531-024	Selenium Rectifier ----------	0.41
F902	1-532-039	Fuse, 2 A ----------	0.03
F901	1-532-261	Fuse, 0.3 A ----------	0.16
	1-534-379-45	Output Cable ----------	0.13
	1-534-538	Cord, power supply ----------	0.33
	1-536-120	Power Supply Terminal Board, 4 pole --------	0.03
	1-536-192	Terminal Strip, 2-L-2 ----------	0.03
	1-536-277	Terminal Strip, L-2 ----------	0.01
CRT	8-731-209-99	Picture Tube 230DB4 ----------	8.52
	1-532-201	Thermal Fuse, 0.8 A/100°C (Chassis No. SMC-160□) ----------	0.05

Part No.	Description	Unit Price
	IV. CARTONS & ACCESSORIES	
X-44900-03	Polishing Cloth in Polyethylene Bag	$0.03
X-44910-02-1	Warranty Card Ass'y	0.08
1-501-102	Loop Antenna Ass'y (AN-8)	0.24
1-504-034-22	Earphone (ME-20A)	0.14
3-701-161	Polyethylene Bag, accessories	0.01
4-002-839	IBM Card Envelope	0.01
	IBM Card	
4-490-014	Service Station List (Chassis No. SMC-157)	0.02
4-495-289-13	Instruction Manual (Chassis No. SMC-157)	0.04
4-017-058-01	Packing Carton	0.36
4-017-060	Cushion, left	0.19
4-017-061	Cushion, right	0.19
4-017-062	Polyethylene Bag, TV-set	0.09
4-493-131	Caution Card	0.04
4-495-289-81	Instruction Manual (Chassis No. SMC-160□)	0.04
	- TV-900UA ONLY -	
4-017-058-11	Packing Carton	0.36
4-017-801	Specification Label (120 V)	0.04
4-017-802	Specification Label (220 V)	0.04
4-955-311-11	Instruction Manual	0.04

SONY CORPORATION

COMPLETE SPARE PARTS LIST CHANGE NOTICE

MODEL TV-940/900UA

(Production change, ~~correction, addition, delation~~)

is done onto this parts list.

Replace the former copy with this new one. Refer to this parts list when you order the service parts.

SONY®

Complete Spare Parts List

Model TV-940/900UA

Revised

"IMPORTANT"

When ordering parts, please do not fail to furnish us the following:

1. Part Number
2. Model Name
3. Description as mentioned in this parts list

We are now using EDPS (Electronic Data Processing System) in all the departments concerned, for procurement, inventory control, packing, warehousing, etc. Your orders are processed mainly from the PART NUMBERS referred by you. Incorrect part numbers, therefore, will result in incorrect parts shipment. To assure prompt shipment of correct parts, your cooperation will be appreciated.

NOTE:

Prices are subject to change without notice.

SONY CORPORATION

COMPLETE SPARE PARTS LIST FOR TV-900UA/940

JANUARY, 1972

Part No.	Description	Unit Price
	I. MECHANICAL PARTS	
X-40074-05	Mounting Bracket Ass'y, picture tube	$0.04
X-40170-01	Cabinet Ass'y, front	1.36
X-40170-02	Cabinet Ass'y, rear	1.22
X-40170-03	Knob Ass'y, VHF channel selector	0.23
X-40170-04	Knob Ass'y, fine tuning	0.15
X-40170-05	Knob Ass'y, UHF dial	0.22
X-40170-06	UHF Dial Ass'y	0.19
X-40170-07	Knob Ass'y, PULL ON/OFF control	0.12
X-40170-08	Cover Ass'y, carrying handle	0.07
X-43020-10	Knob Ass'y, BRT & CONTR control	0.19
2-825-006	Mica Spacer	0.01
2-832-003	Bushing, F2	0.01
3-410-032	Clamp, cord	0.02
3-811-132	Spring, UHF dial knob	0.01
4-001-084	Spring, UHF dial	0.01
4-003-220	Grounding Spring, picture tube	0.02
4-003-250	Spring, fine tuning knob	0.02
4-004-143	Label, serial number	0.02
4-004-201	Fiber Washer, BF board	0.01
4-005-538	Caution Label, picture tube	0.04
4-005-551	Reinforcement, BF board	0.01
4-005-557	Cushion, printed circuit board	0.02
4-006-255	Terminal Pin	0.01
4-007-075	Cushion, picture tube	0.02
4-008-017	Spring, channel selector knob	0.02
4-008-448	Heat Sink, horizontal output transistor	0.03
4-009-533-02S	Terminal Knob, antenna	0.03
4-009-535-12S	Screw, antenna	0.03
4-009-537	SIF Shield Cover, lower side	0.02
4-009-538	SIF Fiber Cover	0.02
4-009-705	Panel, upper	0.08
4-009-706	Rubber Foot	0.01
4-009-707	Retaining Plate, protector	0.02
4-009-733	Retaining Spring, speaker	0.02
4-009-735	Clamp, electrolytic capacitor	0.01

Part No.	Description	Unit Price
4-010-012	Cylindrical Shield, micro inductor	$0.03
4-010-018	Spring Washer, 14 ϕ	0.01
4-010-019	Nut, 14 ϕ	0.02
4-010-033	Label, certification	0.02
4-010-506	VIF Shield Cover, lower side	0.01
4-010-507	VIF Fiber Cover, upper side	0.01
4-010-719-11	Control Knob	0.02
4-010-812	VIF Shield Cover, upper side	0.03
4-010-821	Caution Label, high voltage	0.01
4-011-437	Heat Sink, diode SB-2	0.03
4-011-462	Spacer, transistor	0.01
4-011-923	Support, high voltage selenium rectifier	0.07
4-011-924	Cap, high voltage selenium rectifier	0.02
4-011-925	SIF Shield Cover, upper side	0.02
4-011-928	Terminal Cover, high voltage	0.01
4-011-929	Reinforcement, printed circuit board	0.01
4-011-930	Mounting Wire Ring, picture tube	0.06
4-011-932	Spacer, high voltage selenium rectifier	0.01
4-015-514	Label, fuse (0.3 A)	0.01
4-017-002	Escutcheon, right	0.17
4-017-003	Escutcheon, left	0.17
4-017-005	Anchor, cord	0.02
4-017-041	Protector, picture tube	0.42
4-017-042	Holder, protector	0.08
4-017-043	Carrying Handle	0.17
4-017-044	Mounting Bracket, vhf tuner	0.07
4-017-045	Mounting Bracket, adjustable resistor	0.07
4-017-046	Supporting Plate, printed circuit board; left	0.09
4-017-047	Supporting Plate, printed circuit board; right	0.04
4-017-048	Heat Sink, vertical output transistor	0.10
4-017-049	Mounting Plate, 4 P plug	0.04
4-017-050	Shaft, carrying handle	0.02
4-017-051	Height Label	0.01
4-017-052	Vertical Line Label	0.01
4-017-053	Holder, cord clamp	0.01
4-017-054	Holder, flyback transformer	0.02
4-017-055	Reinforcement, printed circuit board; VIF side	0.01
4-017-056	Reinforcement, printed circuit board; upper side	0.05
4-017-057	Front Panel	0.17
4-017-064	Spacer, insulator	0.01
4-302-110	Spring, knob	0.01
4-017-082	Specification Label (120 V) (Chassis No. SMC-160A)	0.04
4-017-083	Specification Label (220 V) (Chassis No. SMC-160B)	0.04
4-017-081	Mounting Plate, power transformer (Chassis No. SMC-160□)	0.07

Part No.	Description	Unit Price
	II. MOUNTING HARDWARES	(Per 100)
7-621-559-58	Tapping Screw, (+) K 2.6 x 8	$0.63/100
7-621-721-82	Tapping Screw, (+) R 2.6 x 8	0.27/100
7-621-722-57	Tapping Screw, (+) BV 3 x 8	0.17/100
7-621-722-63	Tapping Screw, (+) BV 3 x 10	0.18/100
7-682-148-13	Screw, (+) P 3 x 8	0.29/100
7-682-149-13	Screw, (+) P 3 x 10	0.32/100
7-682-162-05	Screw, (+) P 4 x 10	0.33/100
7-682-163-01	Screw, (+) P 4 x 12	0.15/100
7-682-198-01	Screw, (+) P 3 x 50	0.62/100
7-682-546-05	Screw, (+) B 3 x 5	0.29/100
7-682-548-05	Screw, (+) B 3 x 8	0.29/100
7-682-646-01	Screw, (+) PS 3 x 5	0.24/100
7-685-147-25	Tapping Screw, (+) P 3 x 10	0.43/100
7-685-160-21	Tapping Screw, (+) B 4 x 10	0.36/100
7-685-553-21	Tapping Screw, (+) B 3 x 30	0.71/100
7-684-011-01	Nut, 2 ϕ	0.16/100
7-684-013-01	Nut, 3 ϕ	0.21/100
7-684-014-00	Nut, 4 ϕ	0.25/100
7-623-105-12	Washer, 2 ϕ	0.04/100
7-623-110-15	Washer, 4 ϕ	0.05/100
7-623-405-01	Lock Washer, external tooth; 2 ϕ	0.17/100
7-623-408-01	Lock Washer, external tooth; 3 ϕ	0.19/100
7-623-410-01	Lock Washer, external tooth; 4 ϕ	0.20/100
7-623-510-11	Lug Washer, 4 ϕ	0.11/100
7-623-617-01	Eyelet, 2 ϕ x 4	0.06/100
7-625-312-18	Rivet 2.6 x 3	0.19/100

Ref. No.	Part No.	Description	Unit Price
		III. ELECTRICAL PARTS	
		The components marked with ◆ are used for the following sets;	
		TV-940; Serial No. 47,901 and later TV-900UA; Serial No. 21,501 and later	
		General	
	1-463-030	VHF Tuner (BT-443Wu-02)	$5.37
	1-463-006-21	UHF Tuner Ass'y (BT-182)	3.92
	8-980-185-75	Signal Deflection Circuit Board (BF), complete	23.87
		Semiconductors	
Q301		Transistor, 2SC657	0.30
◆ Q301		Transistor, 2SC1129	0.21
Q302		Transistor, 2SC657	0.30
◆ Q302		Transistor, 2SC1129	0.21
Q303		Transistor, 2SC629	0.25
◆ Q303		Transistor, 2SC1128	0.21
Q304		Transistor, 2SB382	0.21
Q305		Transistor, 2SB382	0.21
Q401		Transistor, 2SC403A	0.14
Q402		Transistor, 2SC403A	0.14
Q403		Transistor, 2SC403A	0.14
Q501		Transistor, 2SC805	0.38
Q501		Transistor, 2SC1127 (TV-940; Serial No. 38,001 and later; TV-900UA; Serial No. 20,501 and later)	0.35
Q551		Transistor, 2SC633	0.14
Q552		Transistor, 2SB381	0.21
Q553		Transistor, 2SD72	0.39
Q554		Transistor, 2SB381	0.21
Q601		Transistor, 2SA182	0.12
Q602		Transistor, 2SC633	0.14
Q701		Transistor, 2SC633	0.14
Q702		Transistor, 2SA677	0.39
Q703		Transistor, 2SD292	0.37
Q801		Transistor, 2SC403A	0.14
Q802		Transistor, 2SD291	0.38
Q803		Transistor, 2SC895	0.37
D302		Diode, 1T-22	0.05
D401		Diode, S6-10	0.12
D402		Diode, 1T23	0.05
D403		Diode, 1T23	0.05

Ref. No.	Part No.	Description	Unit Price
D501		Diode, HFSD-1Z	$0.12
D601		Diode, 1T22A	0.05
D602		Diode, 1T22A	0.05
D701		Diode, 1T22A	0.05
D702		Diode, 1T22A	0.05
D801		Diode, 1T22A	0.05
D802		Diode, SB-2	0.37
D803		Diode, HFSD-1A	0.17
D804		Diode, UFSD-1A	0.21
D805	1-531-028	Selenium Rectifier, high voltage (HS-20)	0.61
DET	1-425-636	Detector Block (D301 1T261)	0.15
Th301	8-690-003	Thermistor, S-90	0.03
Th302	8-690-006	Thermistor, S-1250	0.03
Th551	8-691-001	Thermistor, CS-120	0.06
		Coils	
L1	1-407-178	1 µH, micro inductor	0.04
L301	1-409-160-31	41.25 MHz, trap coil	0.09
L302	1-409-160-21	47.25 MHz, trap coil	0.09
L303	1-409-160-21	39.75 MHz, trap coil	0.09
L304	1-409-170	33.75 MHz, trap coil	0.12
L305	1-407-178	1 µH, micro inductor	0.04
L306	1-407-178	1 µH, micro inductor	0.04
L307	1-407-157	10 µH, micro inductor	0.03
L308	1-407-184	3.3 µH, micro inductor	0.05
L309	1-407-173	220 µH, micro inductor	0.03
L310	1-407-184	3.3 µH, micro inductor	0.05
L311	1-407-184	3.3 µH, micro inductor	0.05
L312		- built in detector block -	
L313	1-407-184	3.3 µH, micro inductor	0.05
L401	1-407-178	1 µH, micro inductor	0.04
L402	1-409-036	4.5 MHz, trap coil	0.10
L403	1-407-187	5.6 µH, micro inductor	0.04
L501	1-407-171	150 µH, micro inductor	0.03
L501	-	-	-
		TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
L502	1-407-174	270 µH, micro inductor	0.03
L502	1-407-176	390 µH, micro inductor	0.03
		TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	

Ref. No.	Part No.	Description	Unit Price
L601	1-407-200	3.3 mH, micro inductor	$0.05
L701	1-421-174	Choke Coil, vertical output; VCH	2.76
L801	1-413-005	Coil, stabilizing; HSC	0.12
L802	1-421-013	25 µH, micro inductor	0.04
L803	1-407-365	1 µH, micro inductor	0.03
L804	1-407-365	1 µH, micro inductor	0.03
L805	1-407-366	2 µH, micro inductor	0.03
L806	1-459-042	Coil, horizontal linearity; HLC	0.32
L807	1-407-175	330 µH, micro inductor	0.03
L901	1-421-126	Choke Coil, filter; BCH	0.36
L902	1-407-169	100 µH, micro inductor	0.03
		Transformers	
T1	1-417-014-41	Transformer, antenna matching	0.06
T302	1-403-701	Transformer, video i-f	0.12
T303	1-403-727	Transformer, video i-f	0.12
T401	1-403-348	Transformer, audio i-f	0.12
T402	1-403-349	Transformer, audio i-f	0.13
T403	1-403-313-12	Transformer, audio i-f	0.27
T701	1-435-008	Transformer, vertical osc; VBT	0.14
T801	1-435-034	Transformer, horizontal osc; HBT	0.14
T802	1-437-019	Transformer, horizontal drive; HDT	0.15
T803	1-439-070	Transformer, flyback; HOT	1.61
T901	1-441-751-12	Transformer, power (Chassis No. SMC-157)	1.61
T901	1-441-283	Transformer, power (Chassis No. SMC-160□)	2.36
		Capacitors	
C301	1-102-941	4 pF ±0.5 pF 50 WV ceramic	0.01
C302	1-101-969	5 pF ±0.5 pF 50 WV ceramic	0.03
C303	1-101-969	5 pF ±0.5 pF 50 WV ceramic	0.03
C304	1-102-942	5 pF ±0.5 pF 50 WV ceramic	0.01
◆C304	1-102-668	15 pF ±5 % 50 WV ceramic	0.02
C305	1-101-886	62 pF ±5 % 50 WV ceramic	0.01
◆C305	-	-	-
C306	1-102-971	82 pF ±5 % 50 WV ceramic	0.02
◆C306	1-101-003	0.0047 µF +100 -0 % 50 WV ceramic	0.02
C307	1-102-971	82 pF ±5 % 50 WV ceramic	0.02
C308	1-101-003	0.0047 µF +100 -0 % 50 WV ceramic	0.02
C309	1-101-003	0.0047 µF +100 -0 % 50 WV ceramic	0.02
C310	1-102-949	12 pF ±5 % 50 WV ceramic	0.02

Ref. No.	Part No.	Description				Unit Price
C311	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	$0.02
C312	1-101-455	0.001 µF	±20 %	50 WV	ceramic ------	0.02
C313	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C314	1-102-946	9 pF	±5 %	50 WV	ceramic ------	0.02
C315	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C316	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C317	1-101-455	0.001 µF	±20 %	50 WV	ceramic ------	0.02
C318	1-101-834	1.8 pF	±0.2 pF	50 WV	ceramic ------	0.02
C319	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C320	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C321	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C322	-		-			-
C323	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C324	1-102-934	1 pF	±0.25 pF	50 WV	ceramic ------	0.01
C326	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C327	1-102-942	5 pF	±0.5 pF	50 WV	ceramic ------	0.01
C328	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C329	1-121-402	33 µF	+100 -10 %	10 WV	electrolytic -	0.05
C330	1-101-006	0.047 µF	+100 -10 %	50 WV	ceramic ------	0.03
C331	1-127-023	1 µF	±20 %	10 WV	electrolytic (alox) -------	0.06
C332	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar ---------	0.02
C333	1-127-024	22 µF	±20 %	10 WV	electrolytic (alox) -------	0.07
C334	1-102-946	10 pF	±5 %	50 WV	ceramic ------	0.02
*C335	1-101-837	0.5 pF	±0.2 pF	50 WV	ceramic ------	0.02
	1-101-586	0.8 pF	±0.2 pF	50 WV	ceramic ------	0.02
	1-102-934	1 pF	±0.25 pF	50 WV	ceramic ------	0.02
C336	-		-			-
C337	1-127-022	0.47 µF	±20 %	10 WV	electrolytic (alox) -------	0.06
C338		- built in T302 -				
C339		- built in T303 -				
C340		- built in detector block -				
C341	1-102-946	9 pF	±0.5 pF	50 WV	ceramic ------	0.02
◆ C341	-		-			-
C342		- built in detector block -				
C343	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C401	1-103-610	240 pF	±5 %	50 WV	polystyrene --	0.03
C402	1-103-663	330 pF	±10 %	50 WV	polystyrene --	0.03
C403	1-102-973	100 pF	±5 %	50 WV	ceramic ------	0.02
C404	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.01
C405	1-102-943	6 pF	±0.5 pF	50 WV	ceramic ------	0.01

* Mark to be selected.

Note: Regarding * ◆ C335, see page 7-2/16.

Ref. No.	Part No.	Description				Unit Price
◆ *C335	1-101-586	0.8 pF	±5 %	50 WV	ceramic --------	$0.02
	1-102-934	1 pF	±0.25 pF	50 WV	ceramic --------	0.01
	1-101-587	1.3 pF	±5 %	50 WV	ceramic --------	0.03
	1-101-938	1.5 pF	±10 %	500 WV	ceramic --------	0.03
◆ *R326	1-244-701	15 kΩ ----------				0.02
	1-244-703	18 kΩ ----------				0.02
	1-244-704	20 kΩ ----------				0.02
	1-244-705	22 kΩ ----------				0.02
	1-244-706	24 kΩ ----------				0.02
	1-244-707	27 kΩ ----------				0.02
	1-244-708	30 kΩ ----------				0.02
	1-244-709	33 kΩ ----------				0.02
	1-244-710	36 kΩ ----------				0.02
	1-244-711	39 kΩ ----------				0.02
	1-244-712	43 kΩ ----------				0.02
	1-244-713	47 kΩ ----------				0.02
	1-244-714	51 kΩ ----------				0.02

* Mark to be selected.

Ref. No.	Part No.	Description				Unit Price
C406	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	$0.01
C407	-	-				-
C408	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.01
C409	1-101-455	0.001 µF	±20 %	50 WV	ceramic ------	0.02
C410	1-102-945	8 pF	±0.5 pF	50 WV	ceramic ------	0.01
C411	1-102-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.02
C412	1-101-006	0.047 µF	+100 -0 %	50 WV	ceramic ------	0.03
C413	1-102-673	30 pF	±5 %	50 WV	ceramic ------	0.02
C414	1-101-571	140 pF	±5 %	50 WV	ceramic ------	0.04
C415	1-102-098	470 pF	±20 %	50 WV	ceramic ------	0.03
C416	1-102-098	470 pF	±20 %	50 WV	ceramic ------	0.03
C417	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C418	1-101-492	0.02 µF	±20 %	50 WV	ceramic ------	0.03
C419	1-101-492	0.02 µF	±20 %	50 WV	ceramic ------	0.03
C420	1-101-002	0.0022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C421	1-101-004	0.01 µF	+100 -0 %	50 WV	ceramic ------	0.01
C422	1-101-006	0.047 µF	+100 -0 %	50 WV	ceramic ------	0.03
C423	1-101-003	0.0047 µF	+100 -0 %	50 WV	ceramic ------	0.02
C424	1-121-358	220 µF	+100 -10 %	16 WV	electrolytic -	0.07
C501	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C502	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar --------	0.02
C502	1-105-701-12	0.001 µF ±10 %		100 WV	mylar ----------	0.03
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later				
C503	1-113-124	0.2 µF	±10 %	150 WV	paper --------	0.09
C504	1-121-415	100 µF	+100 -10 %	16 WV	electrolytic -	0.06
C505	1-121-246	4.7 µF	+100 -10 %	150 WV	electrolytic -	0.06
C506	1-113-122	0.05 µF	±20 %	500 WV	paper --------	0.07
C507	1-105-755-12	0.015 µF	±10 %	200 WV	mylar --------	0.04
C508	1-121-168	1 µF	+150 -10 %	350 WV	electrolytic -	0.06
C509	1-105-749-12	0.0047 µF	±10 %	200 WV	mylar --------	0.03
C510	-	-				-
C511	1-113-122	0.05 µF	±20 %	500 WV	paper --------	0.07
C512	1-113-122	0.05 µF	±20 %	500 WV	paper --------	0.07
C513	1-113-124	0.2 µF	±10 %	150 WV	paper --------	0.09
C551	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.06
C552	1-121-358	220 µF	+100 -10 %	16 WV	electrolytic -	0.07
C553	1-121-402	33 µF	+100 -10 %	10 WV	electrolytic -	0.05
C554	1-121-426	470 µF	+100 -10 %	16 WV	electrolytic -	0.12
C555	1-121-409	47 µF	+100 -10 %	16 WV	electrolytic -	0.04
C556	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C557	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C558	1-105-717-12	0.022 µF	±20 %	100 WV	mylar --------	0.03
C559	1-105-717-12	0.022 µF	±20 %	100 WV	mylar --------	0.03

Ref. No.	Part No.	Description				Unit Price
C601	1-127-021	0.33 µF	±20 %	10 WV	electrolytic (alox) -------	$0.06
C602	1-127-025	3.3 µF	±20 %	10 WV	electrolytic (alox) -------	0.27
C603	1-121-344	4.7 µF	+150 -10 %	50 WV	electrolytic -	0.04
C604	1-105-721-12	0.047 µF	±10 %	100 WV	mylar --------	0.05
C605	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
C606	1-105-713-12	0.01 µF	±10 %	100 WV	mylar --------	0.03
C607	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar --------	0.02
C608	1-121-345	3.3 µF	+150 -10 %	50 WV	electrolytic -	0.04
C609	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
C610	1-127-025	3.3 µF	±20 %	10 WV	electrolytic (alox) -------	0.27
C611	1-105-721-12	0.047 µF	±10 %	100 WV	mylar --------	0.05
C701	1-127-232	4.7 µF	±20 %	25 WV	electrolytic (alox) -------	0.16
C702	1-131-116	10 µF	±20 %	16 WV	tantalum -----	0.35
C703	1-121-398	10 µF	+100 -10 %	25 WV	electrolytic -	0.03
C704	1-127-026	4.7 µF	±20 %	10 WV	electrolytic (alox) -------	0.07
C705	1-121-415	100 µF	+100 -10 %	16 WV	electrolytic -	0.06
C706	1-121-426	470 µF	+100 -10 %	16 WV	electrolytic -	0.12
C801	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
C802	1-105-721-12	0.047 µF	±10 %	100 WV	mylar --------	0.05
C803	1-129-776	0.022 µF	±5 %	50 WV	polypropylene film --------	0.05
C804	1-105-717-12	0.022 µF	±10 %	100 WV	mylar --------	0.03
*C805	1-105-705-12	0.0022 µF	±10 %	100 WV	mylar --------	0.02
	1-105-706-12	0.0033 µF	±10 %	100 WV	mylar --------	0.04
	1-105-709-12	0.0047 µF	±10 %	100 WV	mylar --------	0.02
	1-105-711-12	0.0068 µF	±10 %	100 WV	mylar --------	0.03
	1-105-713-12	0.01 µF	±10 %	100 WV	mylar --------	0.03
C806	1-121-703	100 µF	+100 -10 %	50 WV	electrolytic -	0.15
C807	1-105-725-12	0.1 µF	±10 %	100 WV	mylar --------	0.07
C808	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C809	1-101-005	0.022 µF	+100 -0 %	50 WV	ceramic ------	0.02
C810	1-105-464-16	0.0033 µF	±10 %	600 WV	mylar --------	0.05

* Mark to be selected.

Ref. No.	Part No.	Description			Unit Price
*C811	1-105-461-16	0.001 µF	±10 %	600 WV mylar --------	$0.04
	1-105-462-16	0.0015 µF	±10 %	600 WV mylar --------	0.04
	1-105-463-16	0.0022 µF	±10 %	600 WV mylar --------	0.04
	1-105-464-16	0.0033 µF	±10 %	600 WV mylar --------	0.05
	1-105-465-16	0.0047 µF	±10 %	600 WV mylar --------	0.05
C812	1-121-703	100 µF	+100 -10 %	50 WV electrolytic -	0.15
C813	1-129-498	1.2 µF	±10 %	100 WV polyethylene film --------	0.36
C814	1-101-845	0.001 µF	+100 -0 %	500 WV ceramic ------	0.02
C815	1-101-006	0.047 µF	+100 -0 %	50 WV ceramic ------	0.03
C816	1-101-845	0.001 µF	+100 -0 %	500 WV ceramic ------	0.02
C817	1-101-821	0.002 µF	+100 -0 %	500 WV ceramic ------	0.02
C901	1-121-555	4000 µF	+100 -15 %	15 WV electrolytic -	0.38
C902	1-121-555	4000 µF	+100 -15 %	15 WV electrolytic -	0.38
C903	1-119-101	100 µF	+30 -10 %	12 WV electrolytic -	0.06
C904	1-121-409	47 µF	+100 -10 %	16 WV electrolytic -	0.04
C905	1-119-106	100 µF	±20 %	16 WV electrolytic -	0.04

* Mark to be selected.

Resistors

(All resistors are ERD14V, ±5 %, carbon unless otherwise specified.)

R301	1-248-629	15 Ω ----------	0.02
R302	-	-	-
R303	1-248-627	12 Ω ----------	0.02
R304	1-248-649	100 Ω ----------	0.02
R305	1-248-659	270 Ω ----------	0.02
R306	1-248-656	200 Ω ----------	0.02
R307	1-248-665	470 Ω ----------	0.02
R308	1-248-656	200 Ω ----------	0.02
R309	1-248-657	220 Ω ----------	0.02
R310	1-248-659	270 Ω ----------	0.02
R311	-	-	-
R312	1-248-663	390 Ω ----------	0.02
R313	1-248-696	9.1 kΩ ----------	0.02
R314	1-248-675	1.2 kΩ ----------	0.02
R315	1-248-651	120 Ω ----------	0.02

Ref. No.	Part No.	Description	Unit Price
*R316	1-244-491	5.6 kΩ RD1/8P	$0.02
	1-244-493	6.8 kΩ RD1/8P	0.02
	1-244-495	8.2 kΩ RD1/8P	0.02
	1-244-497	10 kΩ RD1/8P	0.02
	1-244-499	12 kΩ RD1/8P	0.02
	1-244-501	15 kΩ RD1/8P	0.02
	1-244-503	18 kΩ RD1/8P	0.02
	1-244-505	22 kΩ RD1/8P	0.02
	1-244-507	27 kΩ RD1/8P	0.02
	1-244-509	33 kΩ RD1/8P	0.02
	1-244-510	36 kΩ RD1/8P	0.02
	1-244-513	47 kΩ RD1/8P	0.02
R317	1-248-646	75 Ω	0.02
R318	1-248-680	2 kΩ	0.02
R319	1-248-655	180 Ω	0.02
R320	1-248-690	5.1 kΩ	0.02
R321	1-248-681	2.2 kΩ	0.02
R322	1-248-671	820 Ω	0.02
R323	1-248-687	3.9 kΩ	0.02
R324	1-248-665	470 Ω	0.02
R325	1-248-677	1.5 kΩ	0.02
*R326	1-248-706	24 kΩ	0.02
	1-248-707	27 kΩ	0.02
	1-248-708	30 kΩ	0.02
	1-248-709	33 kΩ	0.02
	1-248-710	36 kΩ	0.02
	1-248-711	39 kΩ	0.02
	1-248-712	43 kΩ	0.02
	1-248-713	47 kΩ	0.02
	1-248-714	51 kΩ	0.02
	1-248-715	56 kΩ	0.02
R327	1-248-700	13 kΩ	0.02
R328	1-248-655	180 Ω	0.02
R329	1-248-665	470 Ω	0.02
R329	1-244-667	560 Ω RD1/4H (TV-940; Serial No. 38,001 and later / TV-900UA; Serial No. 20,501 and later)	0.02
R330	1-248-683	2.7 kΩ	0.02
R331	1-248-671	820 Ω	0.02
R332	1-248-657	220 Ω	0.02
*R333	1-248-703	18 kΩ	0.02
	1-248-704	20 kΩ	0.02
	1-248-705	22 kΩ	0.02
	1-248-706	24 kΩ	0.02

* Mark to be selected.

Note: Regarding * ◆ R326, see page 7-2/16.

Ref. No.	Part No.	Description	Unit Price
R334	1-248-666	510 Ω	$0.02
R335	1-248-666	510 Ω	0.02
R336	-	-	-
R337	1-248-659	270 Ω	0.02
◆R337	1-242-658	240 Ω	0.02
◆R338	1-242-665	470 Ω	0.02
R401	1-248-657	220 Ω	0.02
R402	1-248-664	430 Ω	0.02
R403	1-246-706	24 kΩ ERD14T	0.02
R404	1-248-686	3.6 kΩ	0.02
R405	1-248-673	1 kΩ	0.02
R406	1-248-649	100 Ω	0.02
*R407	1-244-486	3.6 kΩ RD1/8P	0.02
	1-244-487	3.9 kΩ RD1/8P	0.02
	1-244-489	4.7 kΩ RD1/8P	0.02
	1-244-490	5.1 kΩ RD1/8P	0.02
	1-244-491	5.6 kΩ RD1/8P	0.02
	1-244-493	6.8 kΩ RD1/8P	0.02
	1-244-495	8.2 kΩ RD1/8P	0.02
	1-244-497	10 kΩ RD1/8P	0.02
R408	1-248-694	7.5 kΩ	0.02
R409	1-248-685	3.3 kΩ	0.02
R410	1-248-670	750 Ω	0.02
R411	1-248-673	1 kΩ	0.02
R412	1-204-345	5.1 kΩ RD1/16L	0.02
R413	1-248-649	100 Ω	0.02
R414	1-248-675	1.2 kΩ	0.02
R415	1-248-675	1.2 kΩ	0.02
R416	1-248-685	3.3 kΩ	0.02
R417	1-248-685	3.3 kΩ	0.02
R418	1-248-641	47 Ω	0.02
R420	1-242-632	20 Ω RD1/4V TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	0.02
*R501	1-246-694	7.5 kΩ ERD14T	0.02
	1-246-695	8.2 kΩ ERD14T	0.02
	1-246-697	10 kΩ ERD14T	0.02
	1-246-699	12 kΩ ERD14T	0.02
	1-246-701	15 kΩ ERD14T	0.02
R501	1-244-693	6.8 kΩ RD1/4H TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	0.02

* Mark to be selected.

Ref. No.	Part No.	Description	Unit Price
R502	1-250-919	82 kΩ RD12T	$0.02
R502	1-244-921	100 kΩ ERD12V	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
R503	1-246-640	43 Ω ERD14T	0.02
R503	1-244-643	56 Ω RD1/4H	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
R504	1-246-681	2.2 kΩ ERD14T	0.02
R504	1-246-673	1 kΩ RD1/4H	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
R505	1-248-697	10 kΩ	0.02
R505	-	-	-
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
R506	1-211-078	8.2 kΩ RD1P	0.02
R506	1-211-074	5.6 kΩ RD1P	0.02
		(TV-940; Serial No. 38,001 and later TV-900UA; Serial No. 20,501 and later	
R507	1-246-730	240 kΩ ERD14T	0.02

Ref. No.	Part No.	Description	Unit Price
R508	1-246-666	510 Ω ERD14T	$0.02
R509	1-202-621-51	100 kΩ ±20 % RC1/2, composition	0.02
R510	1-246-704	20 kΩ ERD14T	0.02
R511	1-202-621-51	100 kΩ ±20 % RC1/2, composition	0.02
R517	1-246-696	9.1 kΩ ERD14T	0.02
R518	1-248-633	22 Ω	0.02
R518	-	-	-
		(TV-940; Serial No. 38,001 and later (TV-900UA; Serial No. 20,501 and later	
R551	1-248-697	10 kΩ	0.02
R552	1-248-697	10 kΩ	0.02
R553	1-248-679	1.8 kΩ	0.02
R554	1-248-612	3 Ω	0.02
R555	1-248-693	6.8 kΩ	0.02
R556	1-248-675	1.2 kΩ	0.02
R557	1-248-641	47 Ω	0.02
R558	1-248-655	180 Ω	0.02
R559	1-248-659	270 Ω	0.02
R560	1-248-675	1.2 kΩ	0.02
R561	1-248-612	3 Ω	0.02
R562	1-248-618	5.1 Ω	0.02
R563	1-248-631	18 Ω	0.02
R564	1-246-653	150 Ω ERD14T	0.02
R601	1-246-642	51 Ω ERD14T	0.02
R602	1-246-661	330 Ω ERD14T	0.02
R603	1-246-697	10 kΩ ERD14T	0.02
R604	1-246-737	470 kΩ ERD14T	0.02
R605	1-246-677	1.5 kΩ ERD14T	0.02
R606	1-246-697	10 kΩ ERD14T	0.02
R607	1-246-701	15 kΩ ERD14T	0.02
R608	1-246-712	43 kΩ ERD14T	0.02
R609	1-246-656	200 Ω ERD14T	0.02
R610	1-246-683	2.7 kΩ ERD14T	0.02
R611	1-246-680	2 kΩ ERD14T	0.02
R612	1-246-701	15 kΩ ERD14T	0.02
R613	1-246-690	5.1 kΩ ERD14T	0.02
R614	1-211-074	5.6 kΩ RD1P	0.02
R615	1-246-688	4.3 kΩ ERD14T	0.02
R616	1-246-690	5.1 kΩ ERD14T	0.02
R617	1-246-677	1.5 kΩ ERD14T	0.02
R618	1-246-690	5.1 kΩ ERD14T	0.02
R619	1-246-670	750 Ω ERD14T	0.02
R620	1-246-625	10 Ω ERD14T	0.02

Ref. No.	Part No.	Description	Unit Price
*R621	1-246-687	3.9 kΩ ERD14T	$0.02
	1-246-688	4.3 kΩ ERD14T	0.02
	1-246-689	4.7 kΩ ERD14T	0.02
	1-246-690	5.1 kΩ ERD14T	0.02
	1-246-691	5.6 kΩ ERD14T	0.02
	1-246-692	6.2 kΩ ERD14T	0.02
	1-246-693	6.8 kΩ ERD14T	0.02
	1-246-694	7.5 kΩ ERD14T	0.02
	1-246-695	8.2 kΩ ERD14T	0.02
R701	1-246-660	300 Ω ERD14T	0.02
R702	1-246-688	4.3 kΩ	0.02
R703	1-246-677	1.5 kΩ	0.02
R704	1-246-625	10 Ω	0.02
R705	1-246-688	4.3 kΩ	0.02
R706	1-246-688	4.3 kΩ	0.02
R707	1-246-706	24 kΩ	0.02
R708	1-246-680	2 kΩ	0.02
R709	1-246-680	2 kΩ	0.02
R710	1-246-688	4.3 kΩ	0.02
*R711	1-246-673	1 kΩ	0.02
	1-246-675	1.2 kΩ	0.02
	1-246-677	1.5 kΩ	0.02
	1-246-679	1.8 kΩ	0.02
	1-246-680	2 kΩ	0.02
	1-246-681	2.2 kΩ	0.02
R712	1-246-665	470 Ω	0.02
R713	1-207-019	3 Ω ±10 % RW1/4RL, wire wound	0.04
R714	1-207-019	3 Ω ±10 % RW1/4RL, wire wound	0.04
R715	1-246-660	300 Ω ERD14T	0.02
R801	1-246-688	4.3 kΩ ERD14T	0.02
R802	1-246-672	910 Ω ERD14T	0.02
R803	1-246-673	1 kΩ ERD14T	0.02
R804	1-246-666	510 Ω ERD14T	0.02
R805	1-246-666	510 Ω ERD14T	0.02
R806	1-246-660	300 Ω ERD14T	0.02
R807	1-248-691	5.6 kΩ ERD14T	0.02
R813	1-246-631	18 Ω ERD14T	0.02
R814	1-246-687	3.9 kΩ ERD14T	0.02
R815	1-207-091	6.8 Ω RW1/2RL, wire wound	0.04
R816	1-207-015	2 Ω RW1/4RL, wire wound	0.02

* Mark to be selected.

Ref. No.	Part No.	Description	Unit Price
R901	1-202-642-31	750 kΩ ±10 % RC1/2, composition --------	$0.02
R902	1-207-054	39 Ω ±10 % RW3, wire wound ----------	0.05
VR301	1-221-998	500 Ω-B, adjustable (AGC SET) ----------	0.14
VR501	1-222-506	1 kΩ-E, variable (CONTR) ----------	0.13
VR502	1-222-505	250 kΩ-B, variable (BRT) ----------	0.13
VR551	1-221-822	5 kΩ-D, variable (VOLUME) ----------	0.42
VR601	1-222-510	1 kΩ-B, variable (HOR) ----------	0.13
VR701	1-222-511	2 kΩ-B, variable (VER) ----------	0.13
VR702	1-221-390	5 kΩ-B, adjustable (V. LIN) ----------	0.09
VR703	1-221-390	5 kΩ-B, adjustable (HEIGHT) ----------	0.09

Miscellaneous

HPF	1-231-046	High Pass Filter ----------	0.18
DY	1-451-055	Deflection Yoke ----------	1.75
ANT	1-501-130	Telescopic Antenna ----------	0.83
SP	1-502-126	Speaker ----------	0.53
	1-506-320	Dc Plug, 2 pole ----------	0.23
J551,552	1-507-174-23	Jack, earphone ----------	0.10
	1-508-082-61	Connector, 4 pole ----------	0.21
	1-508-201-35 1-508-202-22	Connector, anode cap ----------	0.21
S902	1-513-216-14	Switch, charging ----------	0.18
S1	1-514-429-12	Slide Switch, antenna ----------	0.09
	1-526-083-55	Socket Ass'y, picture tube ----------	0.33
Se	1-531-024	Selenium Rectifier ----------	0.41
F902	1-532-039	Fuse, 2 A ----------	0.03
F901	1-532-261	Fuse, 0.3 A ----------	0.16
	1-534-379-45	Output Cable ----------	0.13
	1-534-538	Cord, power supply ----------	0.33
	1-536-120	Power Supply Terminal Board, 4 pole --------	0.03
	1-536-192	Terminal Strip, 2-L-2 ----------	0.03
	1-536-277	Terminal Strip, L-2 ----------	0.01
CRT	8-731-209-99	Picture Tube 230DB4 ----------	8.52
	1-532-201	Thermal Fuse, 0.8 A/100°C (Chassis No. SMC-160□) ----------	0.05

Part No.	Description	Unit Price
	IV. CARTONS & ACCESSORIES	
X-44900-03	Polishing Cloth in Polyethylene Bag	$0.03
X-44910-02-1	Warranty Card Ass'y	0.08
1-501-102	Loop Antenna Ass'y (AN-8)	0.24
1-504-034-22	Earphone (ME-20A)	0.14
3-701-161	Polyethylene Bag, accessories	0.01
4-002-839	IBM Card Envelope	0.01
	IBM Card	
4-490-014	Service Station List (Chassis No. SMC-157)	0.02
4-495-289-13	Instruction Manual (Chassis No. SMC-157)	0.04
4-017-058-01	Packing Carton	0.36
4-017-060	Cushion, left	0.19
4-017-061	Cushion, right	0.19
4-017-062	Polyethylene Bag, TV-set	0.09
4-493-131	Caution Card	0.04
4-495-289-81	Instruction Manual (Chassis No. SMC-160□)	0.04
	- TV-900UA ONLY -	
4-017-058-11	Packing Carton	0.36
4-017-801	Specification Label (120 V)	0.04
4-017-802	Specification Label (220 V)	0.04
4-955-311-11	Instruction Manual	0.04

SONY®
SERVICE MANUAL

TV-940/900UA

SUPPLEMENT

No. 2
JAN. '72

Subject: Production change
Applicable set: TV-940 (USA model); Serial No. 47901 and later
TV-940 (CANADA model); Serial No. 12601 and later
TV-900UA; Serial No. 21501 and later

Ref. No.	Former Parts	New Parts
Q301	2SC657	2SC1129
Q302	2SC657	2SC1129
Q303	2SC629	2SC1128
C304	1-102-856 5pF	1-102-668 15pF 50WV
C305	1-101-886 62pF	short
C306	1-102-971 82pF	1-101-003 0.0047μF 50WV
C341	1-102-946 9pF	discarded
R337	1-248-659 270Ω	1-242-658 240Ω
R338		1-242-665 470Ω parallel with L305
C335	0.5pF~1pF	1-101-586 0.8pF 1-102-934 1pF 1-101-587 1.3pF 1-101-938 1.5pF
R326	24kΩ~56kΩ	1-244-701 15kΩ 1-244-703 18kΩ 1-244-704 20kΩ 1-244-705 22kΩ 1-244-706 24kΩ 1-244-707 27kΩ 1-244-708 30kΩ 1-244-709 33kΩ 1-244-710 36kΩ 1-244-711 39kΩ 1-244-712 43kΩ 1-244-713 47kΩ 1-244-714 51kΩ

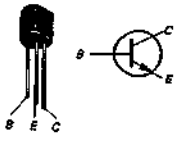
1. Add the Emitter current of Q301 adjustment on page 11 as follows:

ITEMS	PREPARATIONS	EQUIPMENT CONNECTIONS	ADJUST	ADJUSTMENT PROCEDURE
Emitter current Ic of Q301 adjustment	1. Set the channel selector to the highest inactive channel in the area. 2. Unsolder the keying pulse lead.	1. Connect a VOM to the emitter of Q301.	R327 (15kΩ~ 51kΩ)	1. Select the values for R327 to obtain 0.87V to 1.02V on the VOM.

2. Change the voltage value of transistor as follows:

	B	E	C
Q301	1.6V	0.95V	7.4V
Q302	1.6V	1.0V	8.6V
Q303	1.0V	0.7V	11.0V
Q304	3.4V	2.8V	−14.0V
Q305	7.4V	6.3V	1.3V

2SC1128
2SC1129



SONY CORPORATION

SONY®
SERVICE MANUAL

TV-940/900UA

SUPPLEMENT

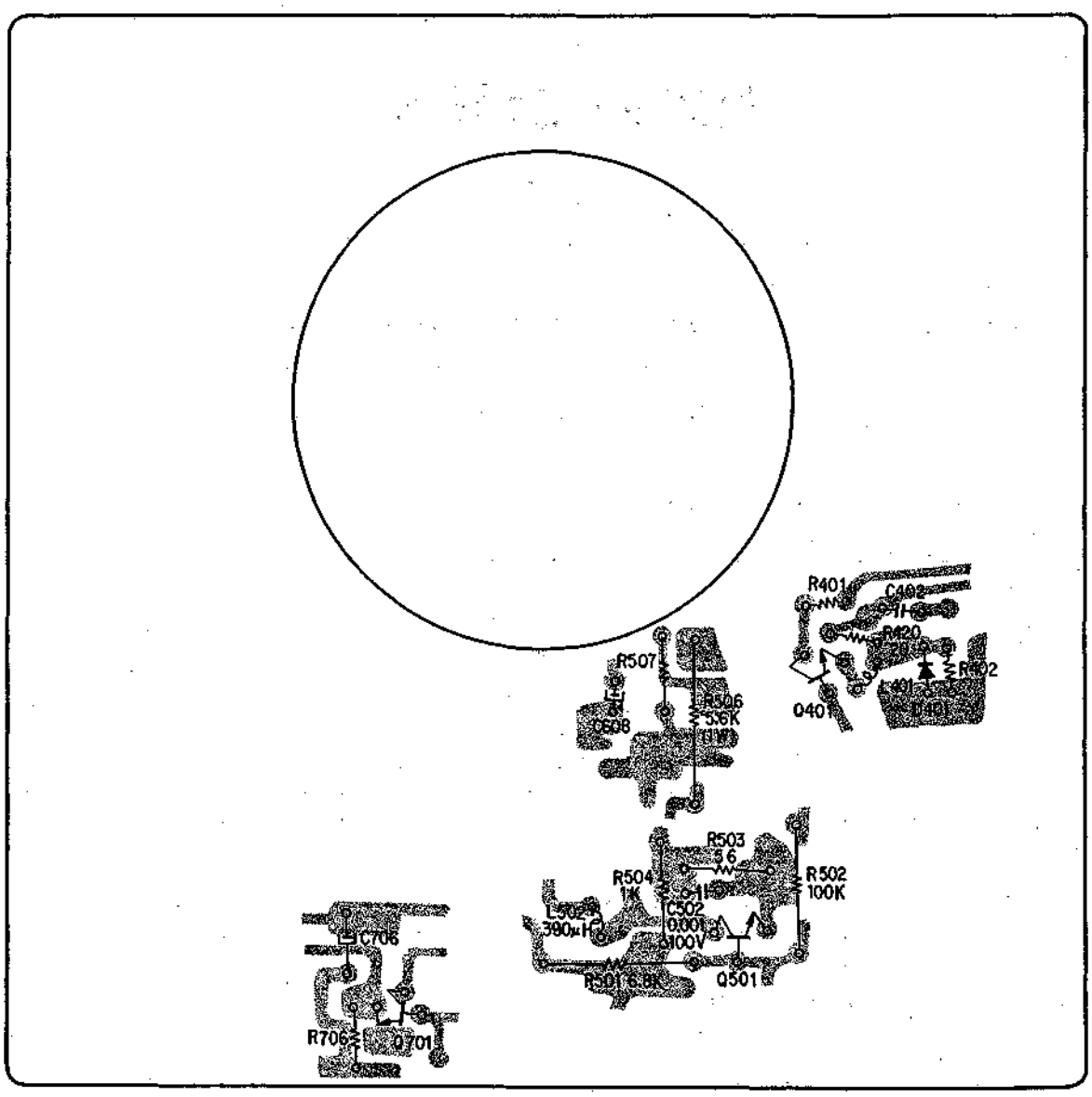
No. 1
November '71

MOUNTING DIAGRAM SUPPLEMENT

APPLICABLE SET : **TV-940 (USA) ; Serial No. 38,001 and later**
TV-940 (CANADA) ; Serial No. 11,101 and later
TV-900 UA ; Serial No. 20,501 and later

Ref. No.	*Former Parts*			*New Parts*		
Q501	2SC805			2SC1127		
L501	1-407-171	150 μH	micro inductor	– discarded –		
L502	1-407-174	270 μH	micro inductor	1-407-176	390 μH	micro inductor
C502	1-105-709-12	0.0047 μF	100 WV, mylar	1-105-701-12	0.001 μF	100 WV, mylar
R329	1-248-665	470 Ω		1-244-667	560 Ω	RD ¼ H
R420				1-242-632	20 Ω	RD ¼ V
R501	1-246-694 1-246-695 1-246-697 1-246-699 1-246-701	7.5 kΩ 8.2 kΩ 10 kΩ 12 kΩ 15 kΩ	ERD14 T ERD14 T ERD14 T ERD14 T ERD14 T	1-244-693	6.8 kΩ	RD ¼ H
R502	1-250-919	82 kΩ	RD12 T	1-244-921	100 kΩ	ERD12 V
R503	1-246-640	43 Ω	ERD14 T	1-244-643	56 Ω	RD ¼ H
R504	1-246-681	2.2 kΩ	ERD14 T	1-244-673	1 kΩ	RD ¼ H
R505	1-248-697	10 kΩ		– discarded –		
R506	1-211-078	8.2 kΩ	RD1 P	1-211-074	5.6 kΩ	RD1 P
R518	1-248-633	22 Ω		– discarded –		

TV-940
TV-900UA



SONY CORPORATION

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Printed in Japan

SONY®
SERVICE MANUAL

TV-940

CANADA Model

No1.
Jul. 1971

SUPPLEMENT

The following parts are different from the parts of the manual.

Page		Canada Model
24 29	D401 S6-10	D401 MZ-00
27	specification label	4-017-091 specification label **added** 4-003-506 retainer, specification label
28	X-44910-02 warranty card ass'y	4-491-012 warranty card **added** 4-491-059-31 instruction card, French

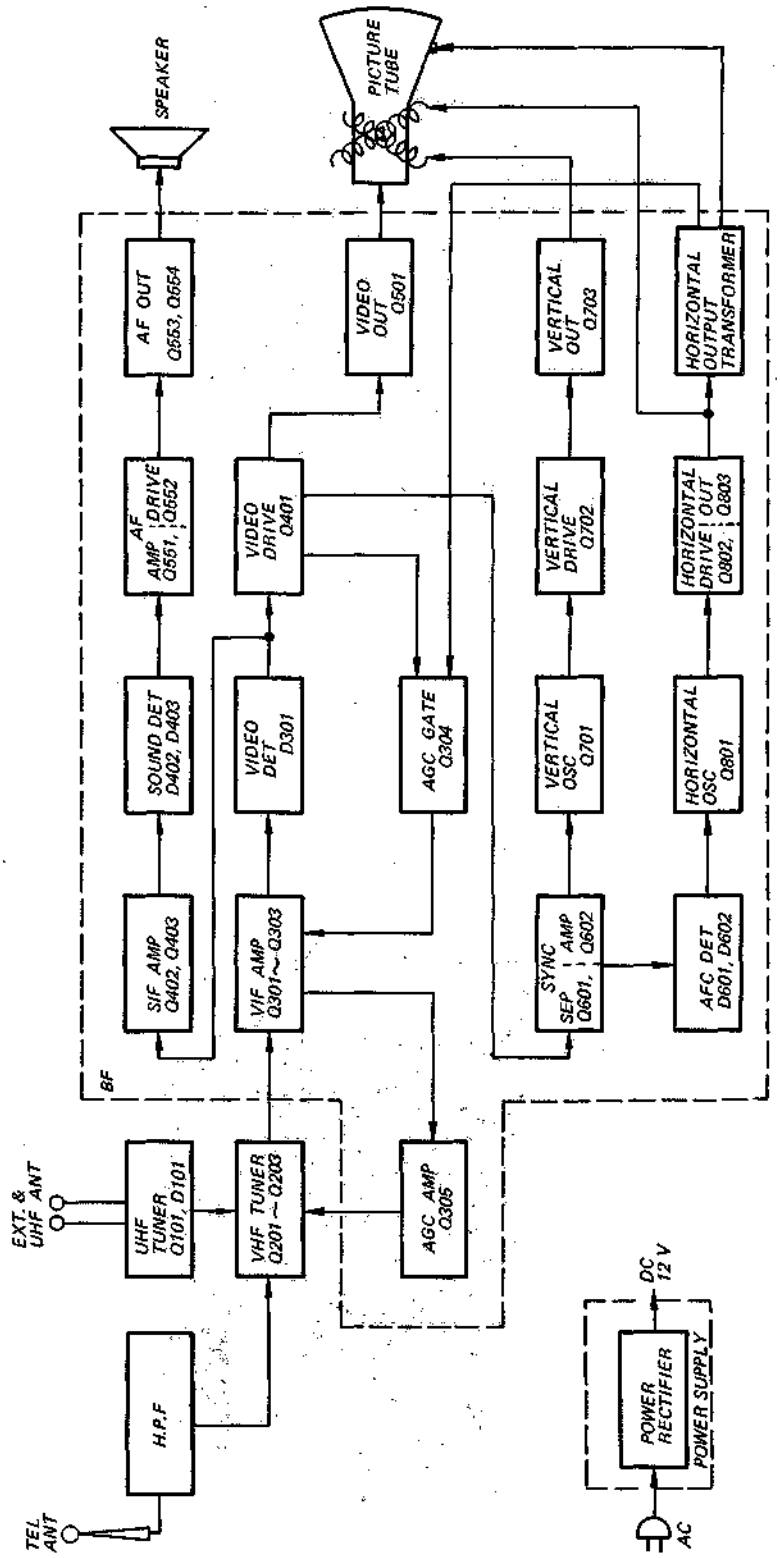
SONY CORPORATION

Printed in Japan

2A0505-1

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM



1-2. EXTERNAL VIEW

– Front view –

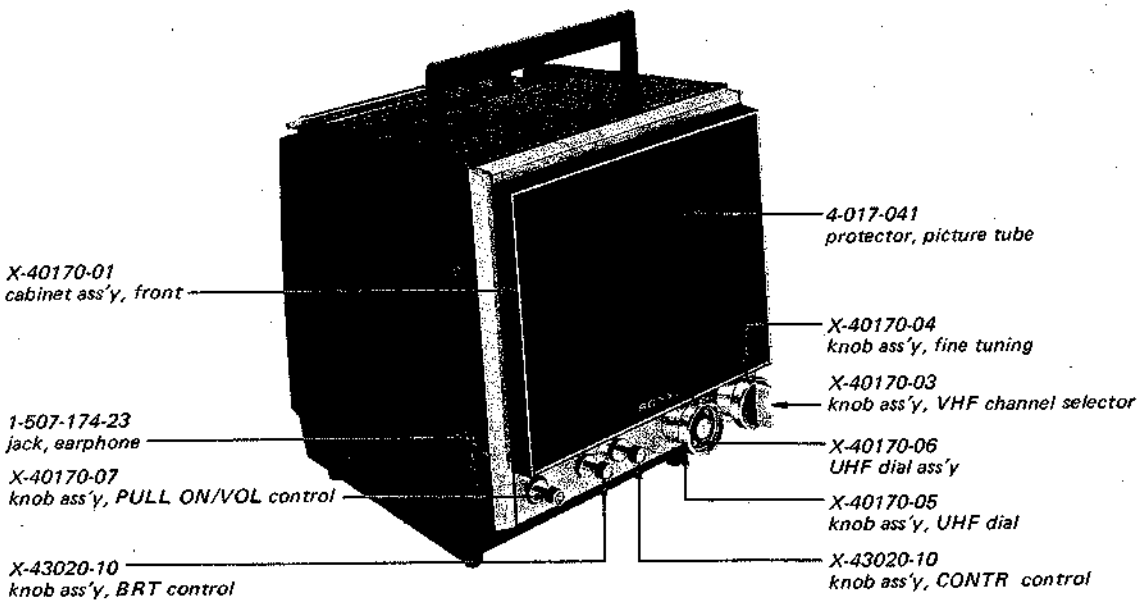


Fig. 1-2.

– Rear view –

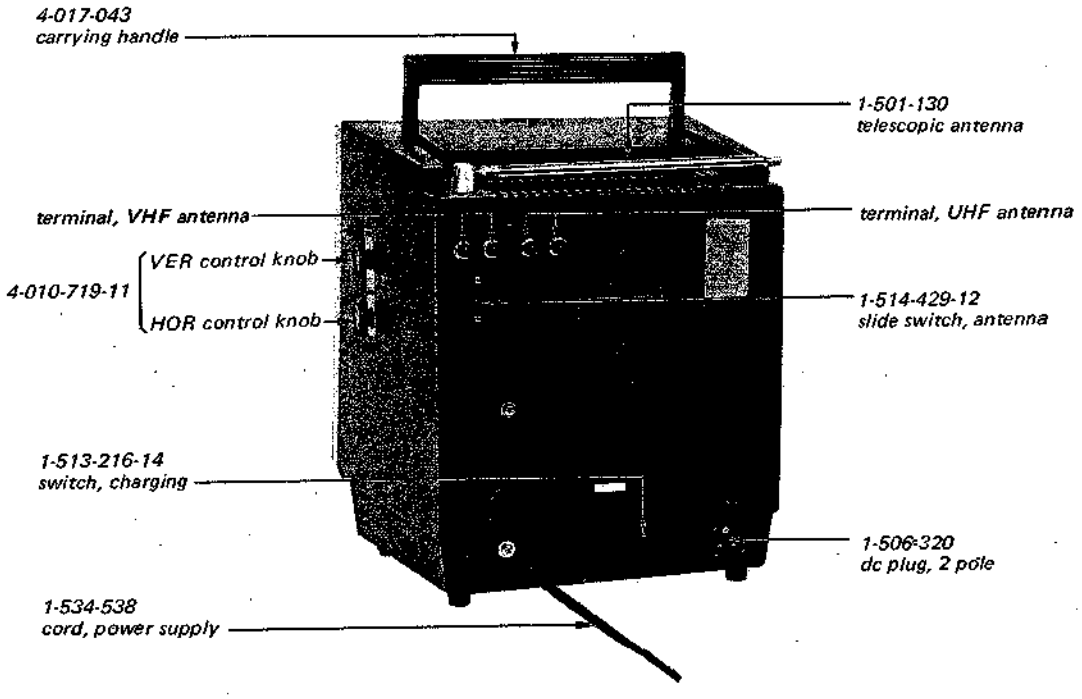


Fig. 1-3.

1-3. INTERNAL VIEW

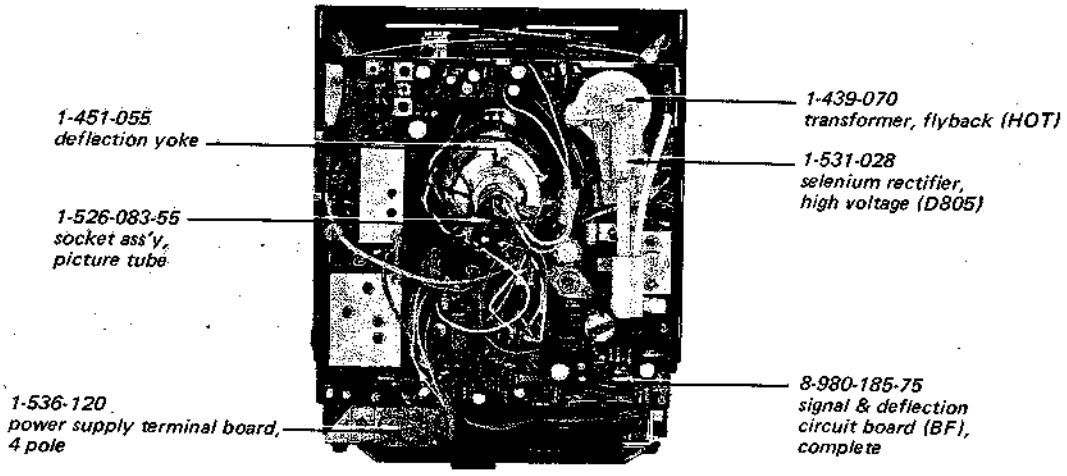


Fig. 1-4.

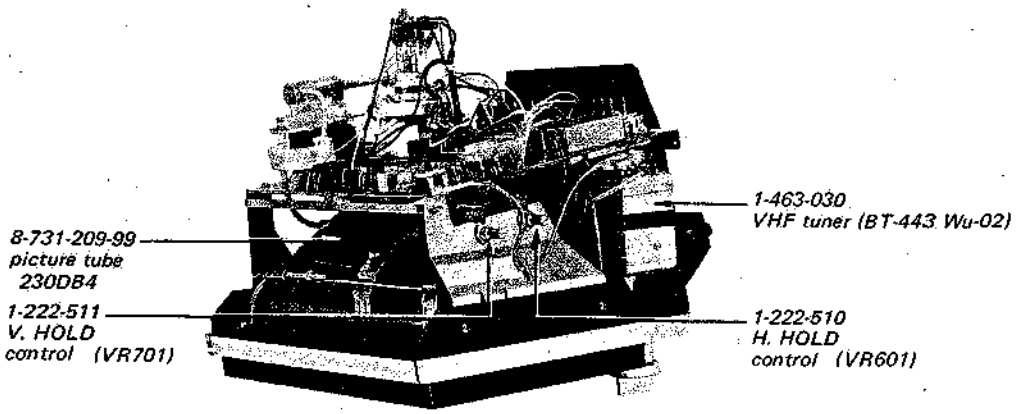


Fig. 1-5.

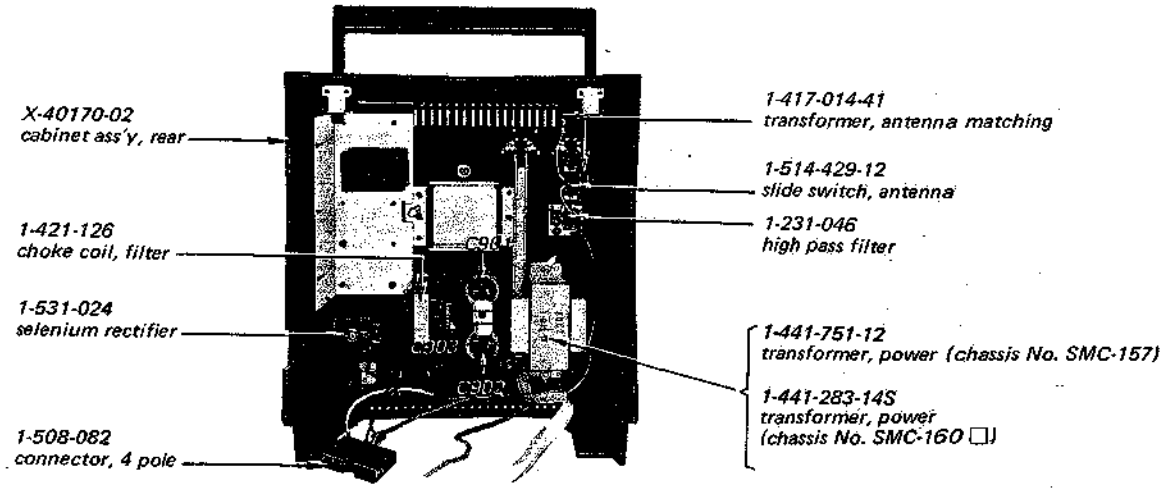


Fig. 1-6.

SECTION 2
DISASSEMBLY

2-1. REAR CABINET REMOVAL

1. Pull off the VER and HOR hold control knobs as shown in Fig. 2-1.
2. Remove the two black screws labeled A1 , A2 in Figs. 2-1 and 2-2.
3. Remove the two screws labeled B1 , B2 in Fig. 2-3.
4. Take out the rear cabinet slowly.
5. Unsolder the one coaxial cable and the one feeder cable.
6. Pull off the 4P socket as shown in Fig. 2-4.
7. Take off the rear cabinet.

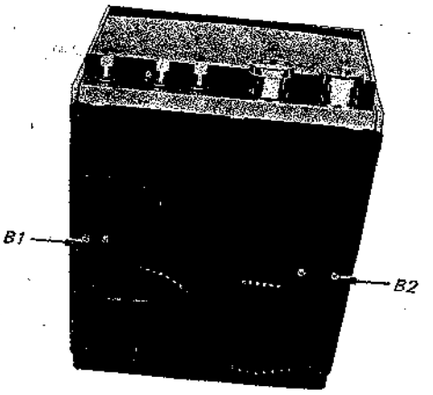


Fig. 2-3.

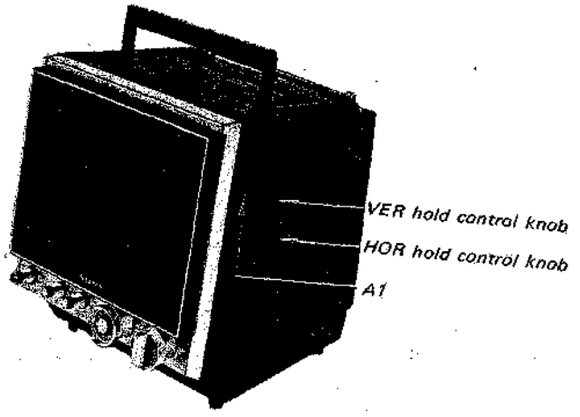


Fig. 2-1.

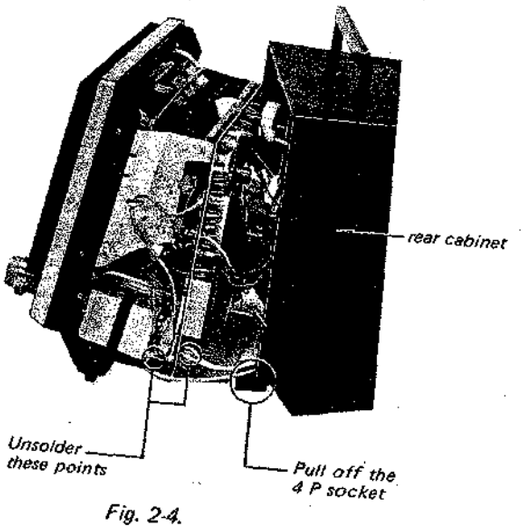


Fig. 2-4.

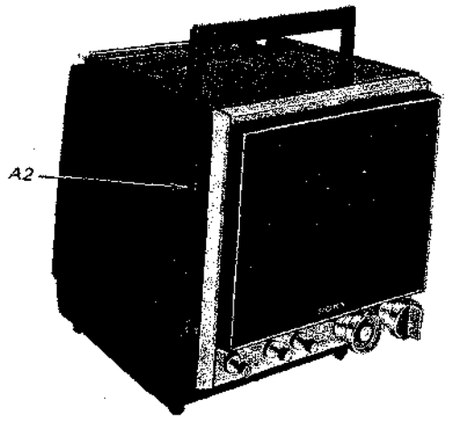


Fig. 2-2.

2-2. BF CIRCUIT BOARD REMOVAL

1. Remove the rear cabinet.
2. Remove the three screws labeled C1 - C3 in Fig. 2-5.
3. Remove the one screw labeled D1 in Fig. 2-6.
4. Pull off the anode cap and the picture tube socket from the picture tube.
5. Lift up the BF circuit board carefully as shown in Fig. 2-7.
6. Unsolder the all lead wires and coaxial cables as shown in Fig. 2-8 on page 8.
7. Take off the BF circuit board.

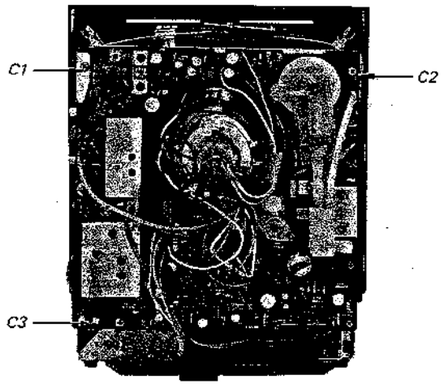


Fig. 2-5.

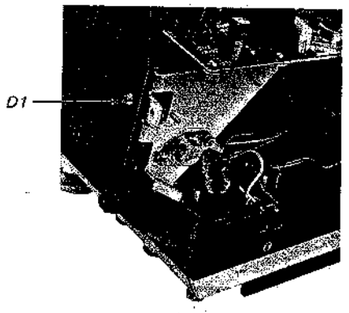


Fig. 2-6.

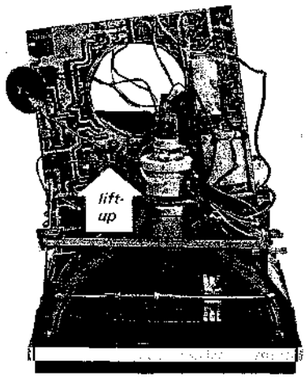


Fig. 2-7.

2-3. SPEAKER REMOVAL

1. Remove the rear cabinet.
2. Remove the three screws labeled E1 E3 in Fig. 2-9.
3. Take out the vertical output transistor's heat sink.
4. Remove the one screw labeled F1 in Fig. 2-10.

   Note: Hold the speaker retaining spring with finger as the screw is not flipped by the spring.
5. Pull out the speaker slowly.
6. Unsolder the two lead wires as shown in Fig. 2-11.
7. Take off the speaker.

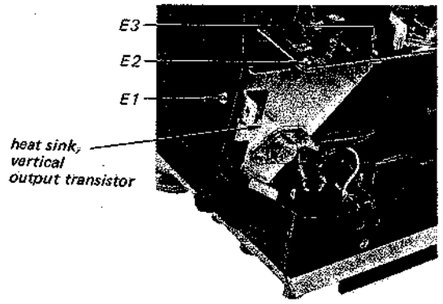


Fig. 2-9.

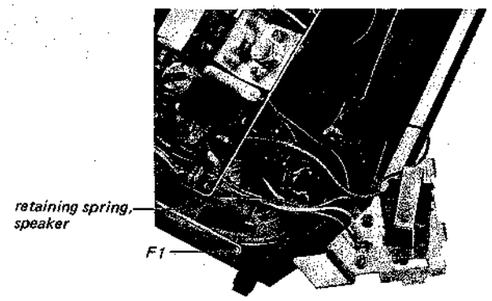


Fig. 2-10.

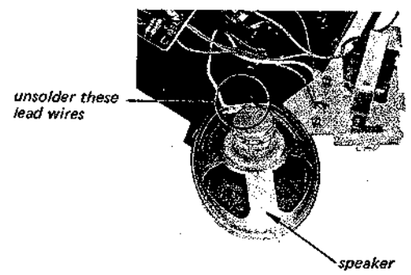


Fig. 2-11.

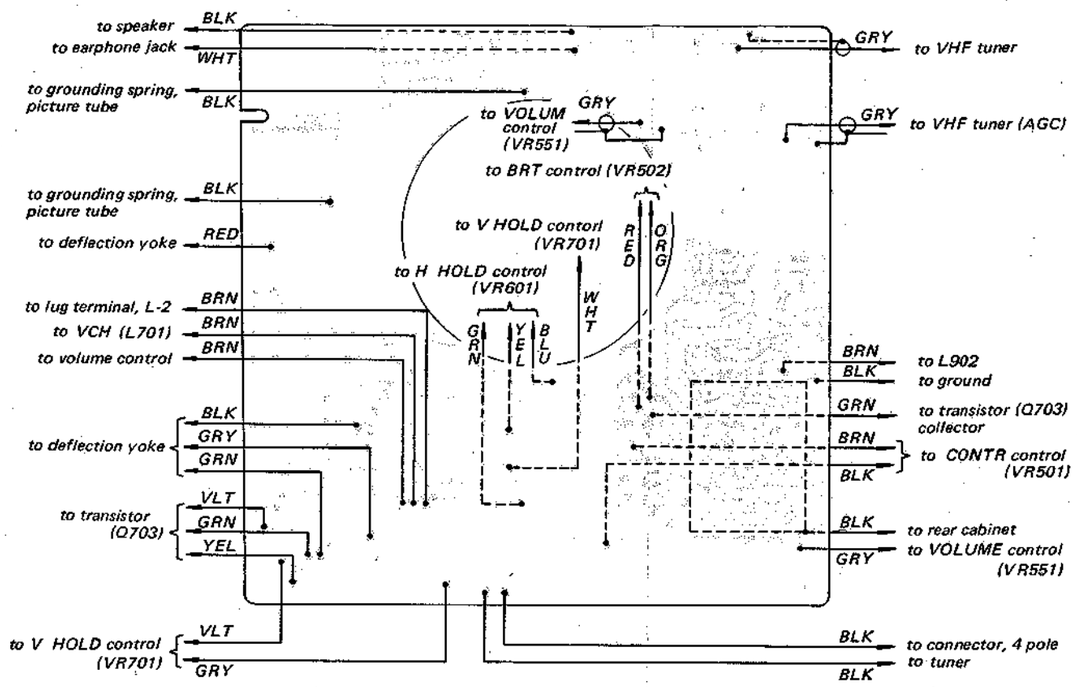


Fig. 2-8.

2-4. VHF TUNER REMOVAL

1. Remove the rear cabinet.
2. Pull off the VHF channel selector knob and the fine tuning knob.
3. Remove the three screws labeled G1 - G3 in Fig. 2-12.
4. Remove the one screw labeled H1 in Fig. 2-13.
5. Take out the vhf tuner mounting bracket with vhf tuner slowly.
6. Remove the three screws labeled J1 - J3 in Fig. 2-14.
7. Unsolder the serveral lead wires which are connected to the vhf tuner as shown in Fig. 2-15.
8. Take off the vhf tuner.

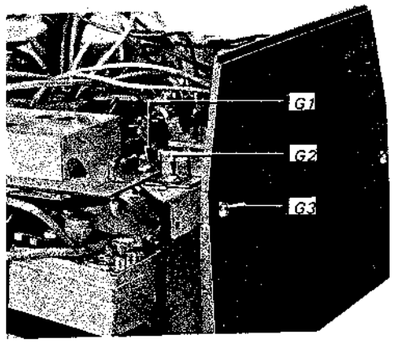


Fig. 2-12.

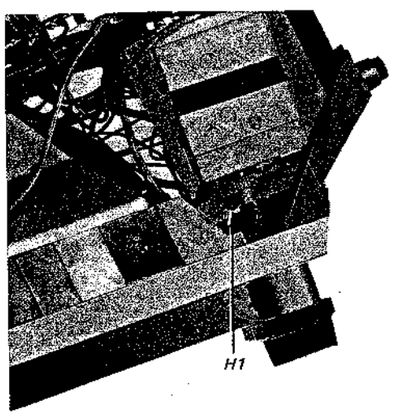


Fig. 2-13.

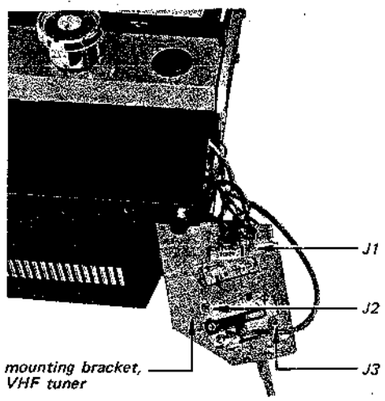


Fig. 2-14.

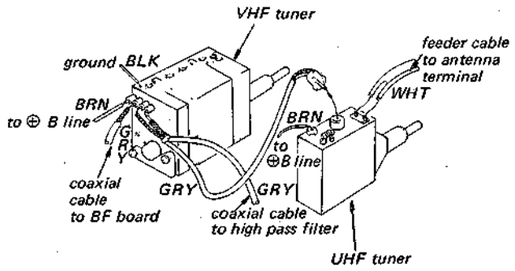


Fig. 2-15.

2-5. UHF TUNER REMOVAL

1. Pull off the UHF channel selector knob, UHF dial knob and the three front-panel knobs.
2. Remove the two screws labeled K1 , K2 in Fig. 2-16.
3. Take off the front panel.
4. Remove the rear cabinet and the vhf tuner.
5. Remove a hex nut (14 mm in dia) with pliers as shown in Fig. 2-17.
6. Take out the uhf tuner as shown in Fig. 2-18.
7. Unsolder the several lead wires which are connected to the uhf tuner as shown in Fig. 2-15.

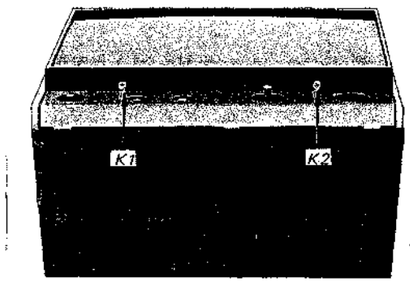


Fig. 2-16.

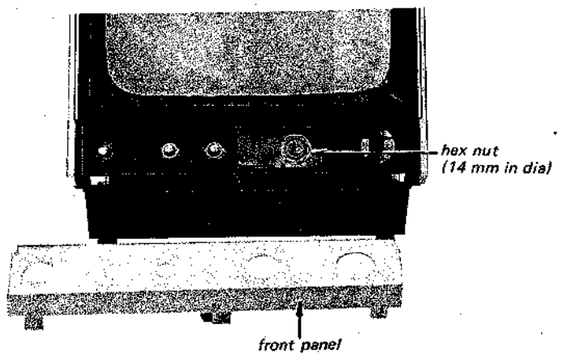


Fig. 2-17.

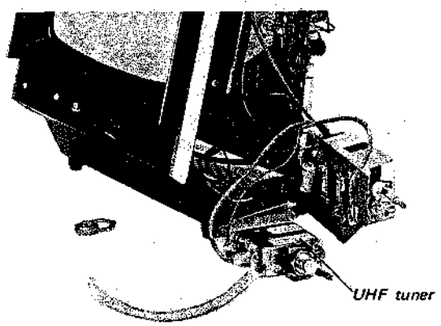


Fig. 2-18.

2-6. PROTECTOR REMOVAL

1. Remove the two screws labeled L1 , L2 in Fig. 2-19.
2. Protector can now be detached from the cabinet.

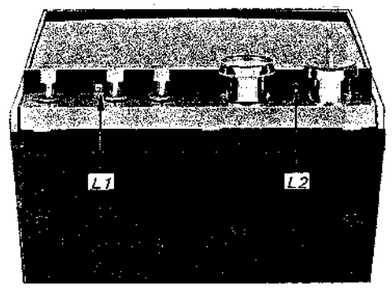


Fig. 2-19.

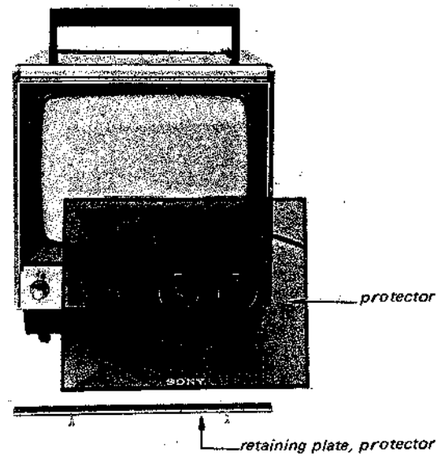


Fig. 2-20.

2-7. PICTURE TUBE REMOVAL

1. Remove the rear cabinet.
2. Take off the BF circuit board.
3. Pull off the picture tube socket from the picture tube.
4. Loosen the clamp band of the deflection yoke.
5. Remove the deflection yoke from the picture tube.
6. Remove the two screws labeled M1 , M2 in Fig. 2-21.
7. Take off the printed circuit board supporting plate.
8. Loosen a screw labeled N1 in Fig. 2-22.
9. Remove the four screws labeled P1 - P4 in Fig. 2-22.
10. Replace the picture tube.

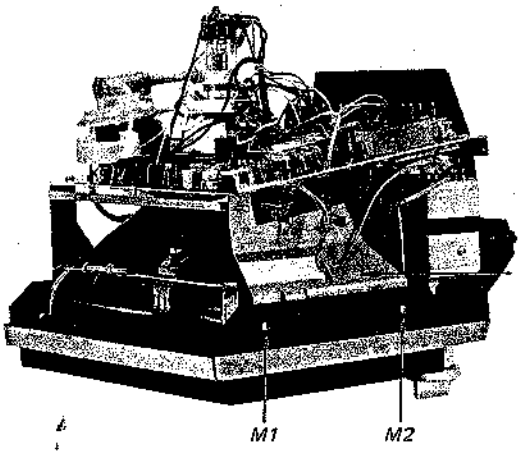


Fig. 2-21.

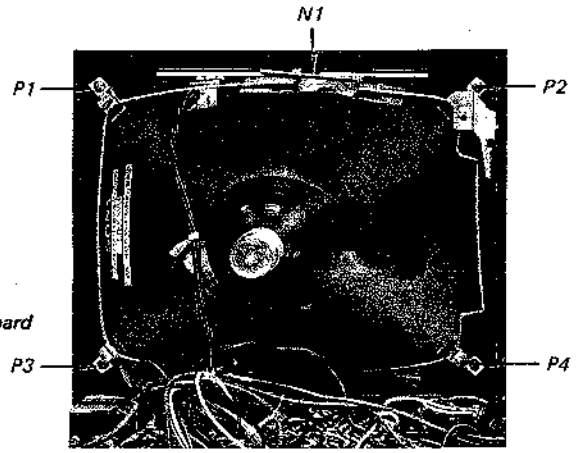


Fig. 2-22.

SECTION 3
CIRCUIT ADJUSTMENTS

3-1. VIF ADJUSTMENTS

ITEMS	PREPARATION	EQUIPMENT CONNECTION	ADJUST	ADJUSTMENT PROCEDURE
33.75MHz trap adjustment	1. Set the channel selector to the highest inactive channel in the area. 2. Unsolder the keying-pulse lead. 3. Unsolder the VIF INPUT cable.	1. Connect a scope to the VIF output terminals through a noise filter as shown in Fig. 3-1 on page 12. 2. Connect a signal generator (33.75 MHz with 1 kHz 40% AM modulation) to the point where the VIF INPUT cable was connected as shown in Fig. 3-1.	L304 (33.75MHz)	1. Adjust the core of L304 for minimum 33.75 MHz modulated waveform on the scope. 2. Disconnect the signal generator and the scope. 3. Solder the keying-pulse lead and the VIF INPUT cable.
39.75MHz, 41.25MHz and 47.25MHz trap adjustment	1. Set the channel selector to the highest inactive channel in the area.	1. Connect a scope to the VIF output terminals through a noise filter as shown in Fig. 3-2. 2. Connect a sweep generator to the tuner's test point through a 0.01 μF capacitor as shown in Fig. 3-2. 3. Loosely couple a marker generator to the output lead of the sweep generator.	L301 (41.25MHz) L302 (47.25MHz) L303 (39.75MHz)	1. Adjust the three coils L301, L302 and L303 for minimum indication on the scope as shown in Fig. 3-3. 2. Disconnect the all equipments.

ITEMS	PREPARATION	EQUIPMENT CONNECTION	ADJUST	ADJUSTMENT PROCEDURE
AGC setting	1. Set the channel selector to the highest inactive channel in the area. 2. Unsolder the VIF INPUT cable. 3. Unsolder the keying-pulse lead.	1. Connect a 250 k-ohm rheostat across resistor R326 as shown in Fig. 3-2. 2. Connect a VOM between the emitter of Q301 and ground as shown in Fig. 3-2.	250 k-ohm rheostat	1. Set the 250 k-ohm rheostat to indicate 1.35 to 1.5 V on the VOM. 2. Disconnect the VOM. 3. Solder the VIF INPUT cable.
VIF response curve adjustment		1. Connect a sweep generator to the tuner's test point as shown in Fig. 3-2. 2. Loosely couple a marker generator to the output lead of the sweep generator as shown in Fig. 3-2. 3. Connect a scope to the VIF output terminals through a noise filter as shown in Fig. 3-2. 4. Set the marker generator to produce 44.0 MHz marker signal.	T302 (44.0MHz) T303 (44.0MHz) L207	4. Adjust the output of sweep generator so that the 44.0 MHz marker on the VIF response curve indicates 13.0 to 14.0Vpp on the scope. 5. Adjust T302 and T303 for maximum distance between the marker point and baseline. 6. Adjust the coil L207 in the tuner to produce the VIF response curve as shown in Fig. 3-4. 7. Disconnect the all equipments. 8. Solder the keying-pulse lead.

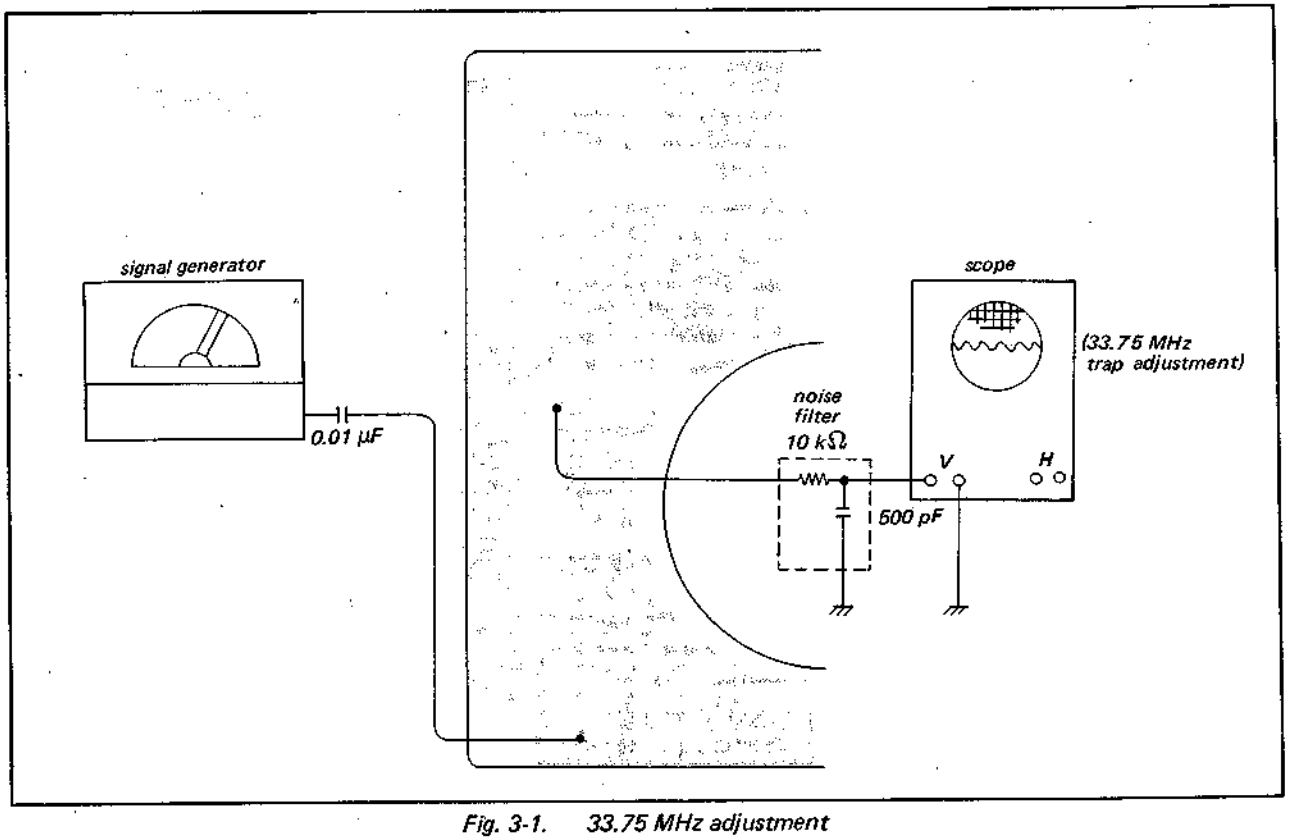


Fig. 3-1. 33.75 MHz adjustment

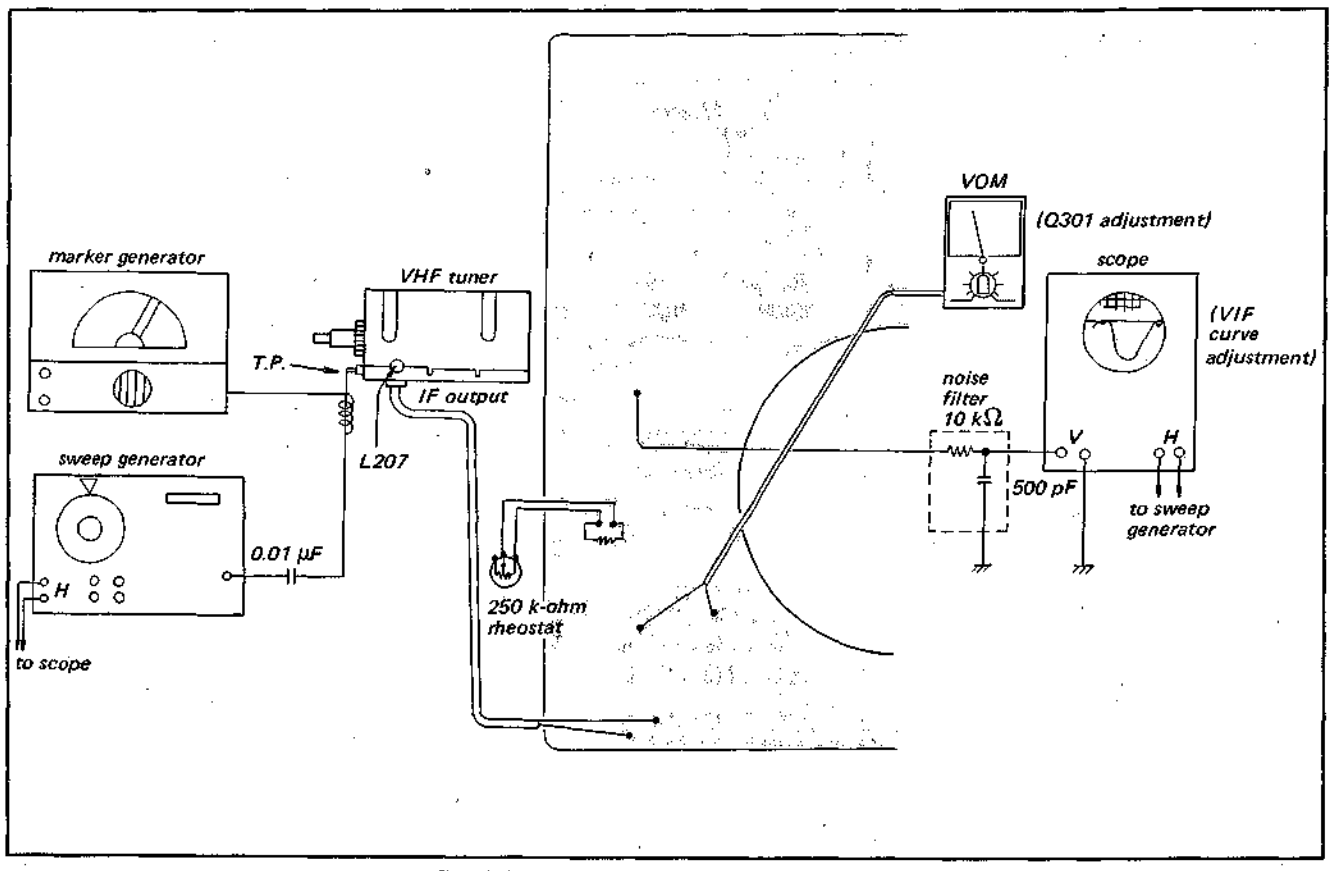


Fig. 3-2. VIF response curve adjustment

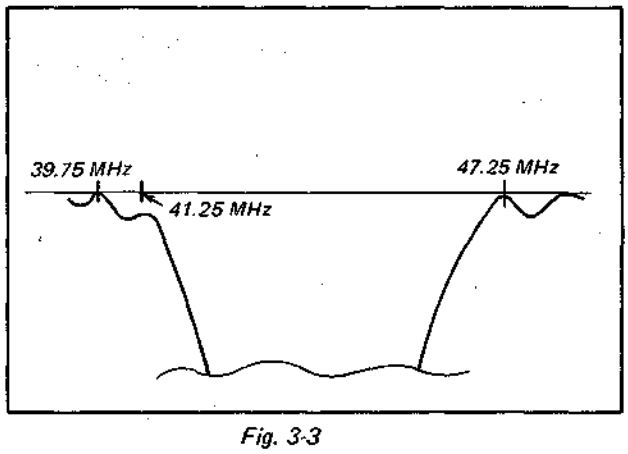


Fig. 3-3

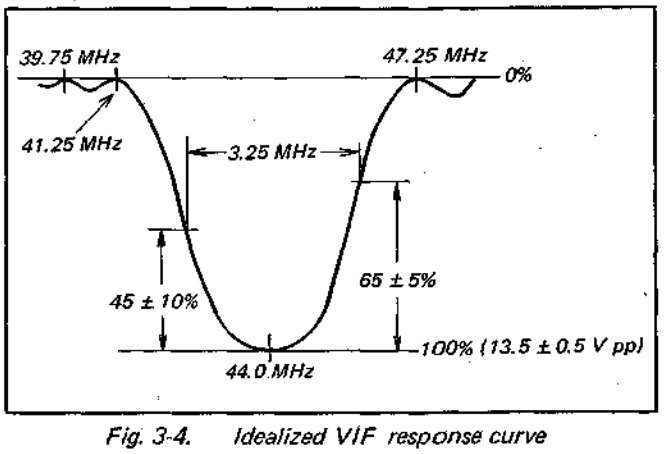


Fig. 3-4. Idealized VIF response curve

3-2. SIF ADJUSTMENTS

ITEMS	PREPARATION	EQUIPMENT CONNECTION	ADJUST	ADJUSTMENT PROCEDURE
4.5 MHz trap adjustment	1. Set the channel selector to the highest inactive channel in the area. 2. Unsolder the VIF INPUT cable. 3. Set the brightness control for optimum brightness and the contrast control at fully clockwise position.	1. Connect a 250 k-ohm rheostat across resistor. R326. 2. Set the 250 k-ohm rheostat to make all video noise disappear from the screen (blank raster). 3. Connect a signal generator to the video-detector output.	L402 (4.5MHz)	1. Adjust L402 for minimum 4.5-MHz stripes in the picture as shown in Fig. 3-6. 2. Disconnect the signal generator.
Adjustment of the best SIF response curve	1. Set the channel selector to the highest inactive channel in the area. 2. Unsolder the VIF INPUT cable. 3. Unsolder the SIF OUTPUT cable.	1. Connect a sweep generator to the video-detector output as shown in Fig. 3-5. 2. Loosely couple a marker generator to the output lead of the sweep generator. 3. Turn up the sweep output signal to produce a proper S curve.	T401 T402 T403 (pink core) T403 (blue core)	1. Adjust T401 and T402 for maximum deflection on the scope. 2. Adjust the pink core of T403 to make the S curve symmetrical. 3. Adjust the blue core to cross the baseline at 4.5 MHz on the S curve. 4. Repeat the above steps two or three times as necessary to produce the optimum S curve as shown in Fig. 3-7. 5. Disconnect the all equipments.

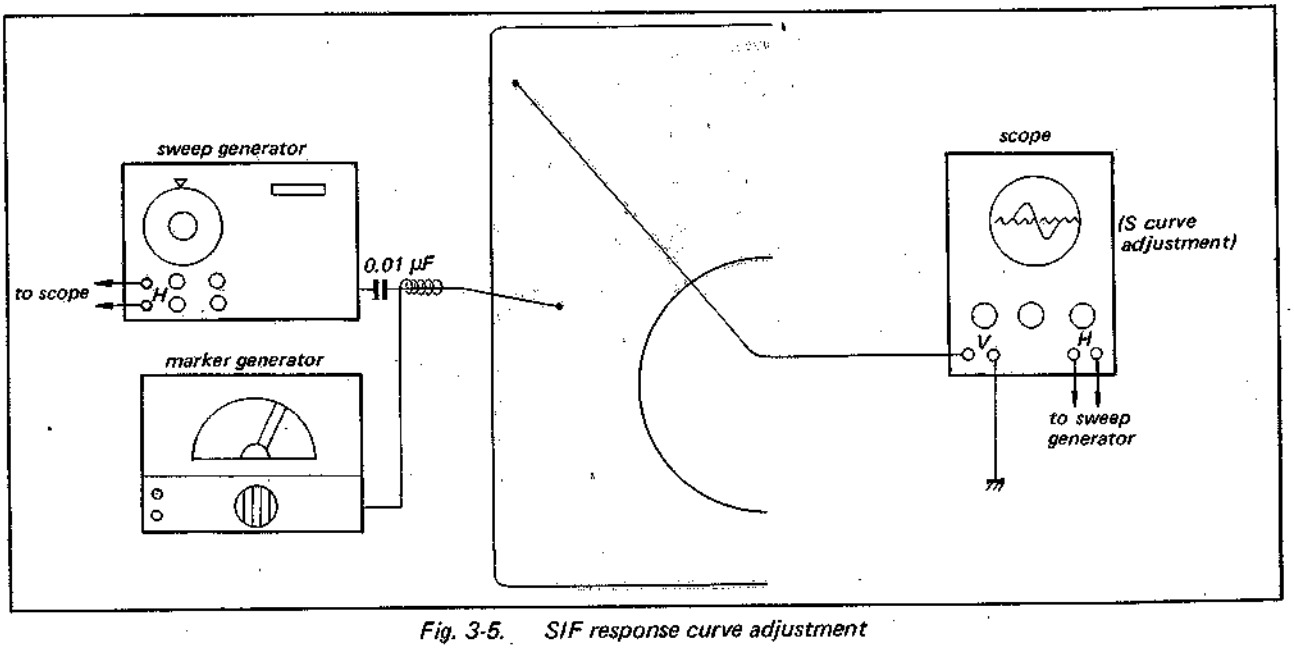


Fig. 3-5. SIF response curve adjustment

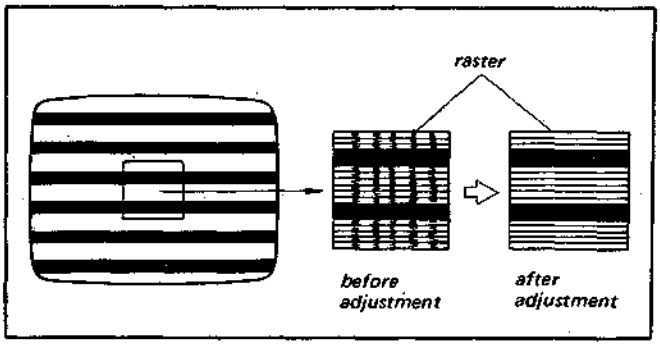


Fig. 3-6. 4.5 MHz trap adjustment

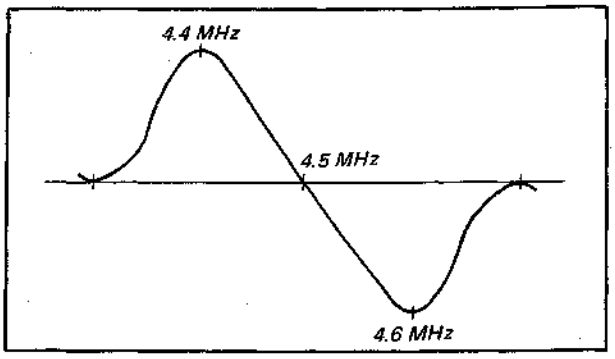


Fig. 3-7. SIF response curve

3-3. DEFLECTION CIRCUIT ADJUSTMENTS

ITEMS	PREPARATION	EQUIPMENT CONNECTION	ADJUST	ADJUSTMENT PROCEDURE
Horizontal frequency adjustment	1. Receive an off-the-air signal. 2. Short the both ends of horizontal stabilizing coil with short jumper. 3. Set the brightness and contrast controls to obtain the best picture.		R621	1. Adjust R621 so that the number of diagonal bars are the same with the horizontal hold control set at both extremes of rotation. Turn the set on and off a few times to make sure that the picture locks from a cold start. 2. Remove the short jumper from the horizontal stabilizing coil.
Horizontal pulse-width adjustment	1. Receive an off-the-air signal. 2. Set the horizontal hold to midrange. 3. Short the both ends of horizontal stabilizing coil with short jumper.	1. Connect a scope to the emitter of the horizontal oscillator (Q801).	C805	1. Select valuse for C805,between 0.0022—0.01 μF to obtain the pulse-width of 12.5—13.5 μsec. See Fig. 3-8 on page 16. 2. Disconnect the scope. 3. Remove the short jumper from the horizontal stabilizing coil.
Horizontal stabilizing coil (HSC) adjustment	1. Receive an off-the-air signal. 2. Set the horizontal hold control at mechanical center.		HSC (L801)	1. Adjust the core of HSC (L801) until the picture stabilizes. Note: Recheck the horizontal pulse-width and if it is not within the range of 12.5—13.5μsec, replace C805 by trial and error to produce the correct pulse-width.
Horizontal size adjustment	1. Receive an off-the-air signal. 2. Set the H. and V. hold controls for correct sync. 3. Adjust the brightness and contrast controls to obtain the best picture.		C811	1. Adjust C811 while observing the picture to produce optimum picture size.

ITEMS	PREPARATION	EQUIPMENT CONNECTION	ADJUST	ADJUSTMENT PROCEDURE
Ic of Q501	1. Set the channel selector to an inactive channel in the area. 2. Check the 12 V power supply.	1, Connect a VOM across resistor R506.	R501	1. Adjust resistor R501 for a reading of 25-33 V. 2. Disconnect the VOM.
Vertical height and linearity	1. Receive the test pattern 2. Set horizontal and vertical hold controls for correct sync. 3. Set the brightness and contrast controls to obtain the best picture.		VR702 VR703	1. Adjust linearity control VR702 and height control VR703 while observing the picture, to produce the best picture height and linearity.
Ic of Q703 (vertical output)	1. Receive an off-the-air signal. 2. Set horizontal and vertical hold controls for correct sync.	1. Connect a VOM across resistor R714.	R711	1. Adjust the resistor R711 for a reading of 0.42–0.45 V.
Focus adjustment	1. Receive an off-the-air signal. 2. Set horizontal and vertical hold controls for correct sync. 3. Set the brightness and contrast controls for ordinary bright picture.		Focus lead	1. Try connecting the focus lead to each of the connecting point on the BF board. Connect it permanently at the point that gives best focus.

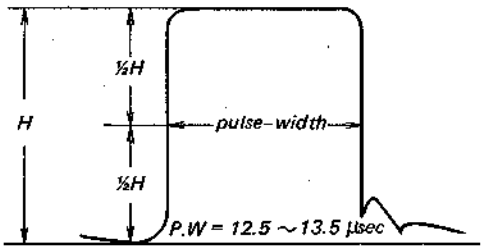


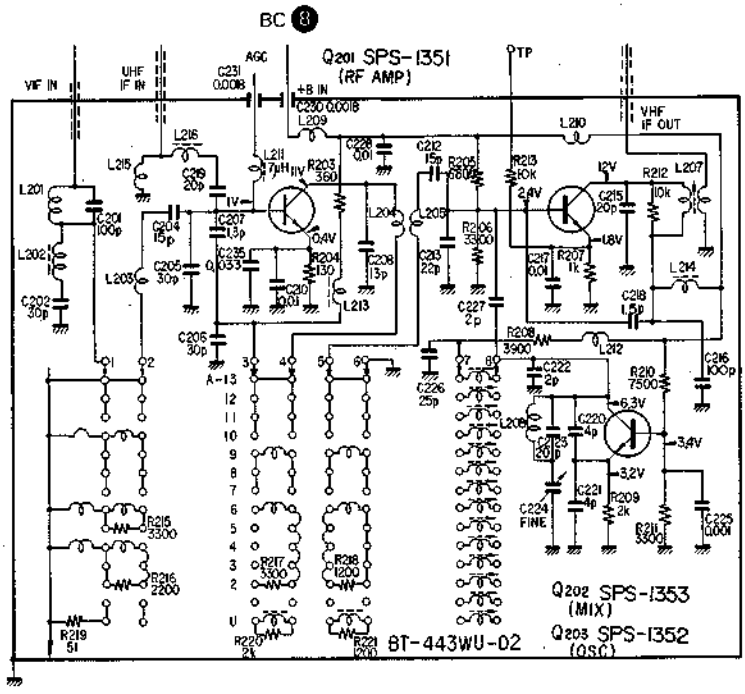
Fig. 3-8.

MEMO

SECTION 4

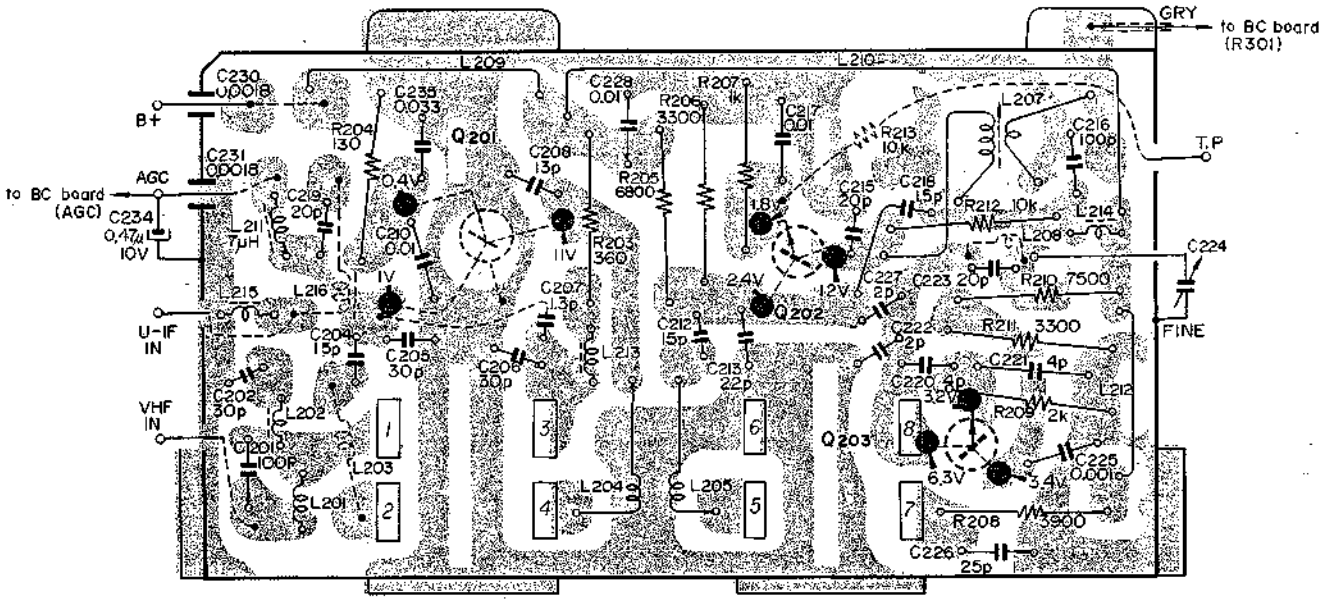
MOUNTING AND SCHEMATIC DIAGRAMS

4-1. VHF TUNER SCHEMATIC DIAGRAM



4-2. VHF TUNER MOUNTING DIAGRAM

– Conductor Side –

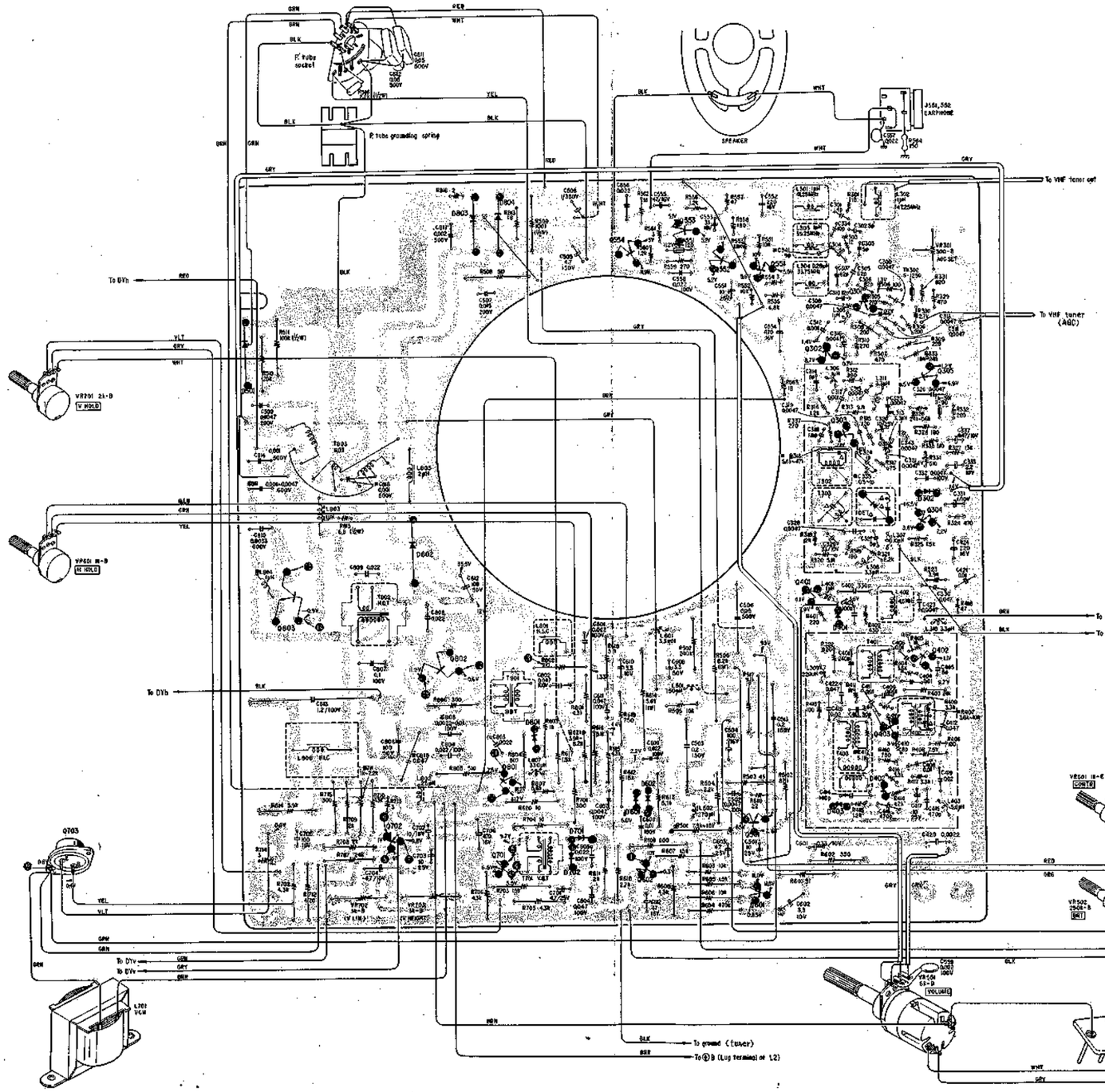


Notes:

1. Voltages measured from chassis to point indicated with a VOM (20 k ohm/V) with no signal input.
2. Design and specifications subject to change without notice.
3. The following components are mounted on the conductor side.
   (Q201, Q202, Q203, L202, L203, L208, L211, L216, R213, C207)

4-4. SIGNAL AND DEFLECTION CIRCUIT BOARD (BF)

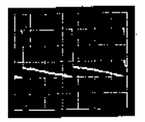
– Conductor Side –

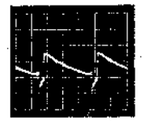


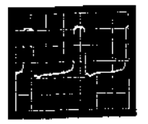
Notes:

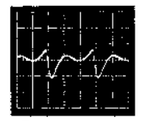
1. △ mark shows the internal components of transformer.
2. Parts marked ■ are mounted on the conductor side. (R316, 412, 407, C341, 335, 815, 816, L804, 313).
3. Resistance and capacitance values marked with ※are to be selected.
4. Voltages measured from chassis to point indicated with a VOM (20kΩ/v) and with no signal input.

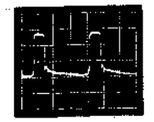

❶ - H - 5 V/cm

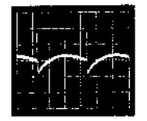

❾ - V - 20 V/cm

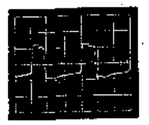

❷ - H - 5 V/cm

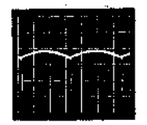

❿ - H - 5 V/cm


❸ - H - 1 V/cm

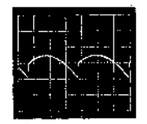

⓫ - H - 5 V/cm

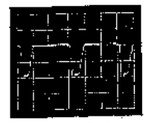

❹ - V - 2 V/cm


⓬ - H - 1 V/cm


❺ - V - 2 V/cm

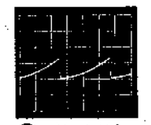

⓭ - H - 5 V/cm


❻ - V - 1 V/cm


⓮ - H - 5 V/cm

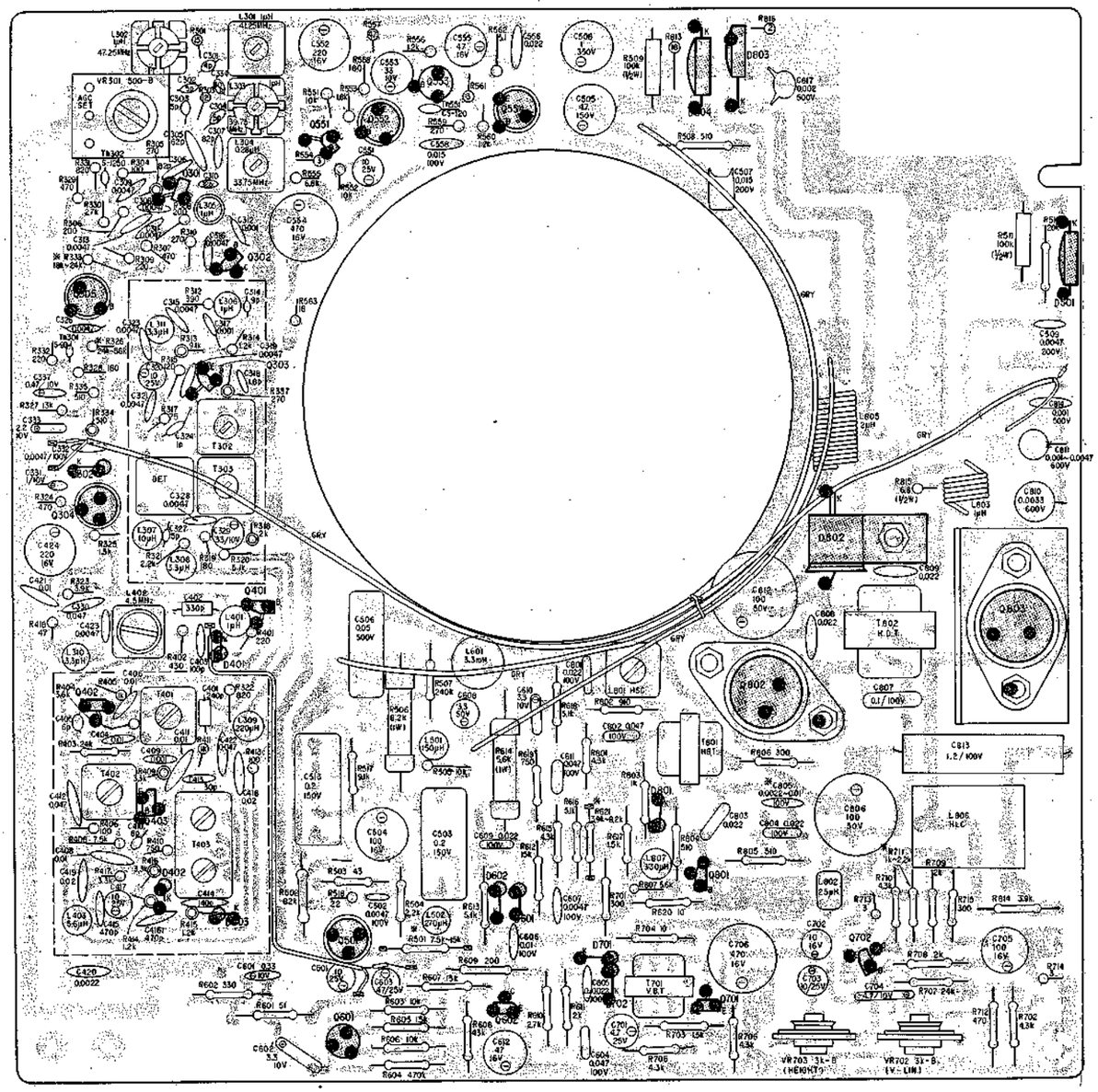

❼ - V - 1 V/cm


⓯ - H - 50 V/cm

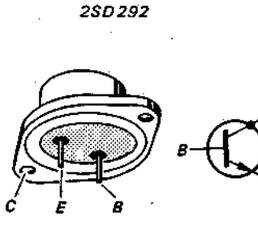
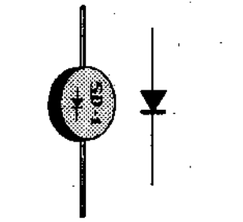
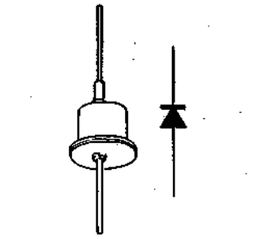
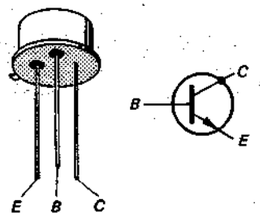
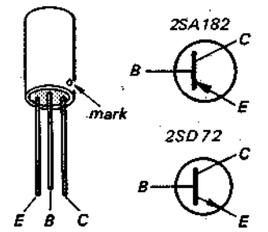
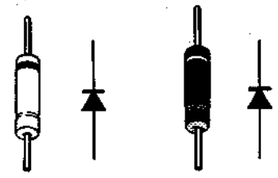

❽ - V - 1 V/cm

4-3. SIGNAL AND DEFLECTION CIRCUIT BOARD (BF)

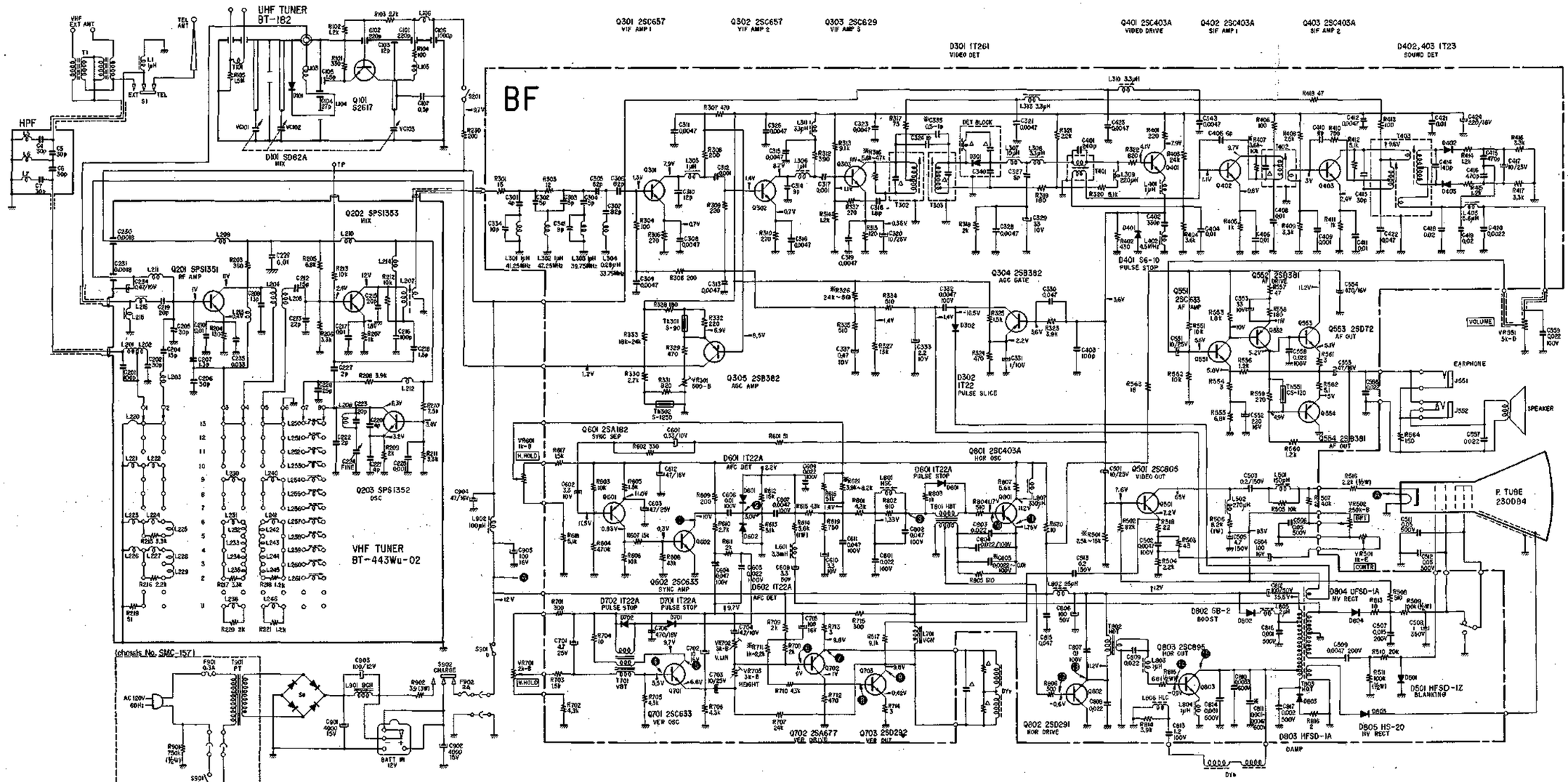
– Component Side –



SEMICONDUCTORS

Q301, 302, 303, Q401 ~ 403, Q551, 602, 701, Q801 *2SC657* *2SC403A* *2SC633* *2SC629* 	*Q304, 305, Q552, 554* *2SB382* *2SB381* 	*Q702* *2SA677* 
Q501, *2SC805* 	*Q553, 601* 	*D302, 402, 403 D601, 602, 701 D702, 801, 1T22 1T23 1T22A* *D401 S6-10* 
Q703, 802, 803 *2SD291* *2SC895* *2SD292* 	*D501, 803, D804,* *HFSD-1Z* *HFSD-1A* *UFSD-1A* 	*D802* *SB-2*

4-5. SCHEMATIC DIAGRAM



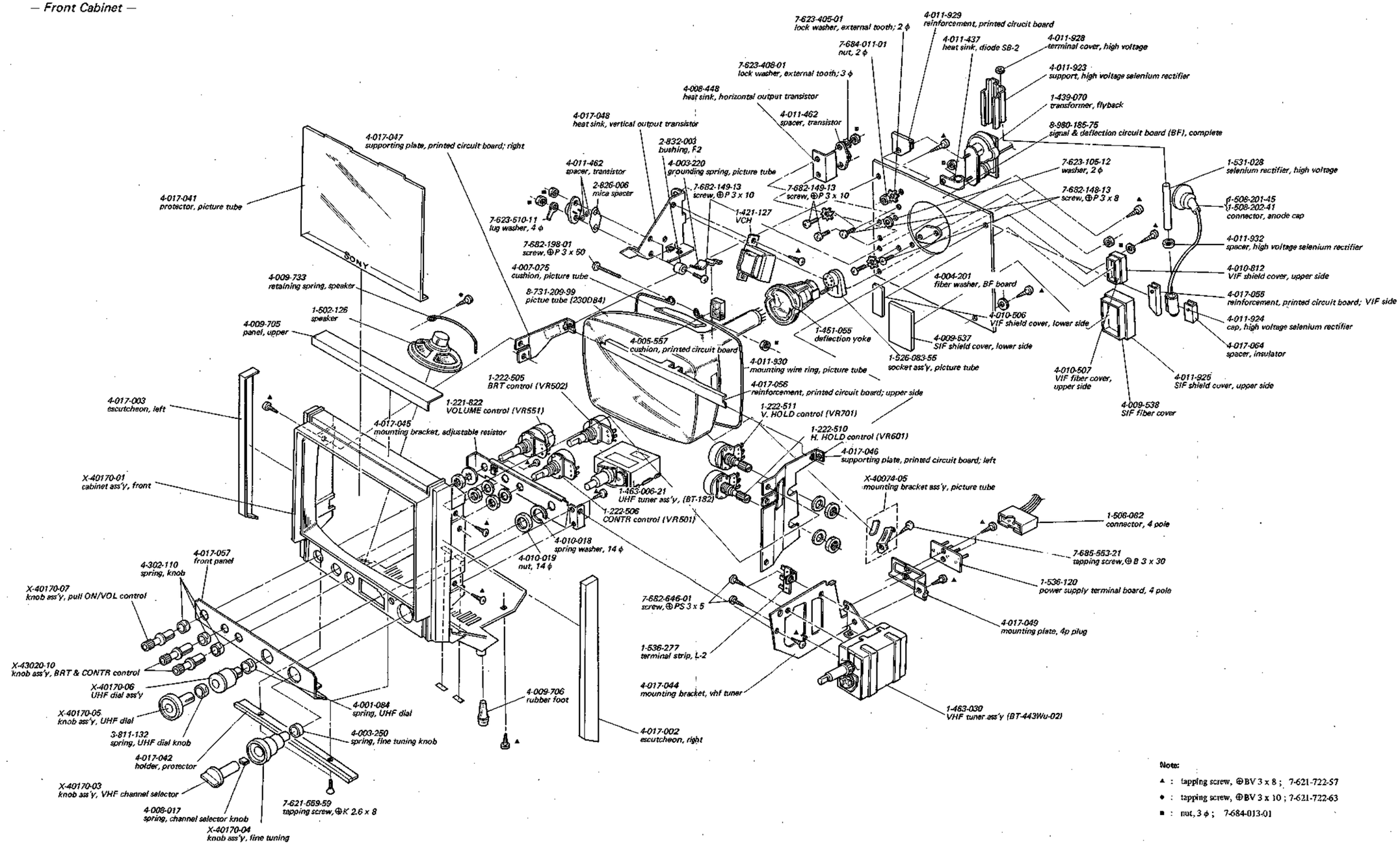
Notes:

1. All capacitors are 50 μF, unless otherwise specified.
2. All resistors are ¼W, unless otherwise specified.
3. △ mark shows the internal components of transformers.
4. Resistance and capacitance values marked with ※ are to be selected.
5. Voltages measured from chassis to point indicated with a VOM (20 kΩ/V) and with no signal input.

SECTION 5
EXPLODED VIEW AND PACKING

5-1. EXPLODED VIEW (1)

— Front Cabinet —



Note:

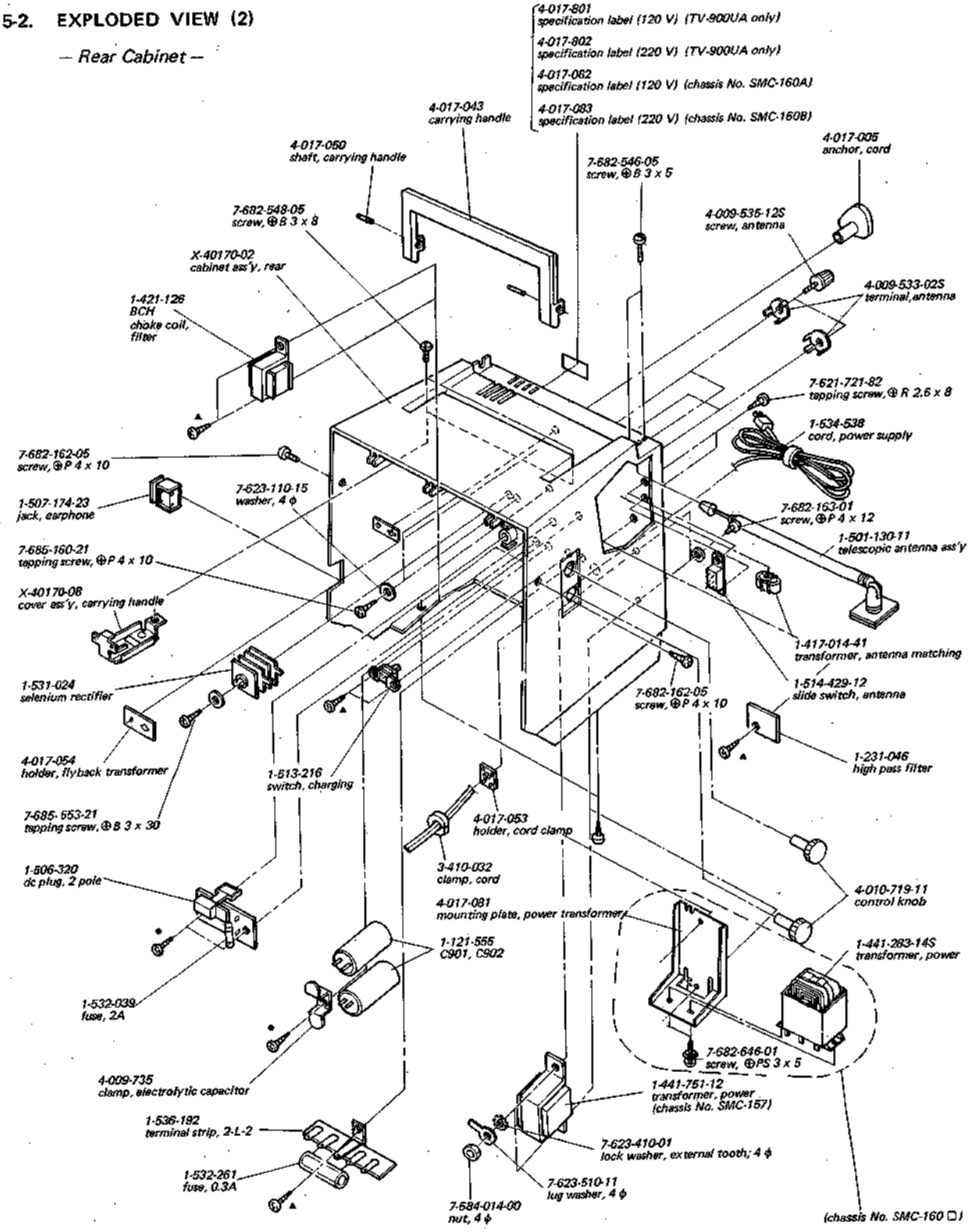
▲ : tapping screw, ⊕BV 3 x 8 ; 7-621-722-57

● : tapping screw, ⊕BV 3 x 10 ; 7-621-722-63

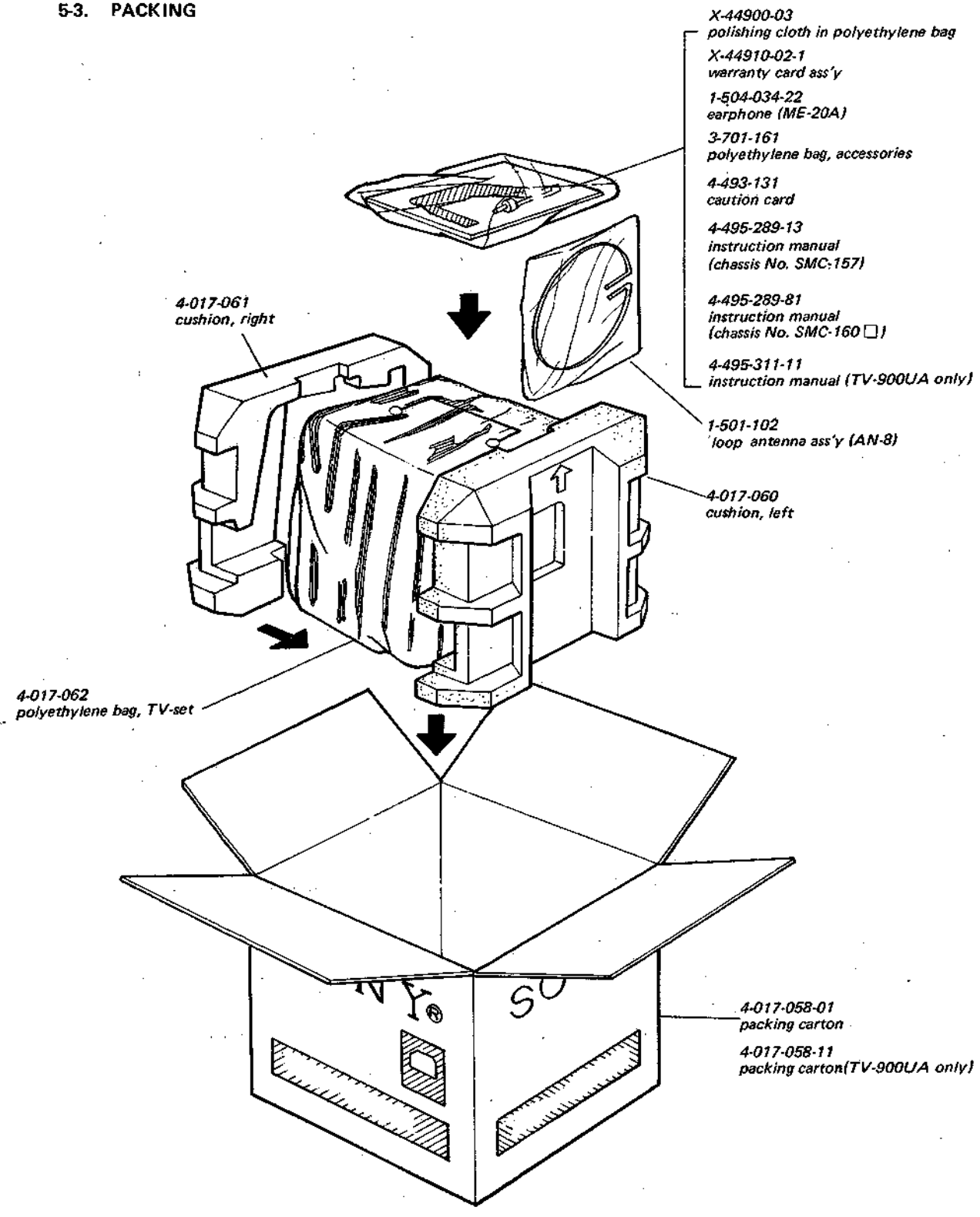
■ : nut, 3 ϕ ; 7-684-013-01

5-2. EXPLODED VIEW (2)

– Rear Cabinet –



5-3. PACKING


X-44900-03
polishing cloth in polyethylene bag
X-44910-02-1
warranty card ass'y
1-504-034-22
earphone (ME-20A)
3-701-161
polyethylene bag, accessories
4-493-131
caution card
4-495-289-13
instruction manual
(chassis No. SMC-157)
4-495-289-81
instruction manual
(chassis No. SMC-160 □)
4-495-311-11
instruction manual (TV-900UA only)
4-017-061
cushion, right
1-501-102
loop antenna ass'y (AN-8)
4-017-060
cushion, left
4-017-062
polyethylene bag, TV-set
4-017-058-01
packing carton
4-017-058-11
packing carton(TV-900UA only)

SECTION 6
ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
		GENERAL
	1-463-030	VHF tuner ass'y (BT-443Wu-02)
	1-463-006-21	UHF tuner ass'y (BT-182)
	8-980-185-75	signal & deflection circuit board (BF), complete
		SEMICONDUCTORS
Q301		transistor 2SC657
Q302		transistor 2SC657
Q303		transistor 2SC629
Q304		transistor 2SB382
Q305		transistor 2SB382
Q401		transistor 2SC403A
Q402		transistor 2SC403A
Q403		transistor 2SC403A
Q501		transistor 2SC805
Q551		transistor 2SC633
Q552		transistor 2SB381
Q553		transistor 2SD72
Q554		transistor 2SB381
Q601		transistor 2SA182
Q602		transistor 2SC633
Q701		transistor 2SC633
Q702		transistor 2SA677
Q703		transistor 2SD292
Q801		transistor 2SC403A
Q802		transistor 2SD291
Q803		transistor 2SC895
D302		diode 1T22
D401		diode S6-10
D402		diode 1T23
D403		diode 1T23
D501		diode HFSD-1Z
D601		diode 1T22A
D602		diode 1T22A
D701		diode 1T22A
D702		diode 1T22A
D801		diode 1T22A

Ref. No.	Part No.	Description
D802		diode SB-2
D803		diode HFSD-1A
D804		diode UFSD-1A
D805	1-531-028	selenium rectifier, high voltage (HS-20)
DET	1-425-636	detector block (D301 1T261)
Th301	8-690-003	thermistor S-90
Th302	8-690-006	thermistor S-1250
Th551	8-691-001	thermistor CS-120
		COILS
L1	1-407-178	1 μH micro inductor
L301	1-409-160-31	41.25 MHz trap coil
L302	1-409-160-21	47.25 MHz trap coil
L303	1-409-160-21	39.75 MHz trap coil
L304	1-409-170	33.75 MHz trap coil
L305	1-407-178	1 μH micro inductor
L306	1-407-178	1 μH micro inductor
L307	1-407-157	10 μH micro inductor
L308	1-407-184	3.3μ H micro inductor
L309	1-407-173	220 μH micro inductor
L310	1-407-184	3.3 μH micro inductor
L311	1-407-184	3.3 μH micro inductor
L312		built in detector block
L313	1-407-184	3.3 μH micro inductor
L401	1-407-178	1 μH micro inductor
L402	1-409-036	4.5 MHZ trap coil
L403	1-407-187	5.6 μH micro inductor
L501	1-407-171	150 μH micro inductor
L502	1-407-174	270 μH micro inductor
L601	1-407-200	3.3 mH micro inductor
L701	1-421-174	choke coil, vertical output; VCH
L801	1-413-005	coil, stabilizing ; HSC
L802	1-421-013	25 μH micro inductor
L803	1-407-365	1 μH micro inductor
L804	1-407-365	1 μH micro inductor
L805	1-407-366	2 μH micro inductor
L806	1-459-042	coil, horizontal linearity ; HLC
L807	1-407-175	330 μH micro inductor
L901	1-421-126	choke coil, fiter ; BCH
L902	1-407-169	100 μH micro inductor

Ref. No.	Part No.	Description
		TRANSFORMERS
T1	1-417-014-1	transformer, antenna matching
T302	1-403-701	transformer, video i-f
T303	1-403-727	transformer, video i-f
T401	1-403-348	transformer, sound i-f
T402	1-403-349	transformer, sound i-f
T403	1-403-313-12	transformer, sound i-f
T701	1-435-008	transformer, vertical osc ; VBT
T801	1-435-034	transformer, horizontal osc ; HBT
T802	1-437-019	transformer, horizontal drive ; HDT
T803	1-439-070	transformer, flyback ; HOT
T901	1-441-751-12	transformer, power (chassis No. SMC-157)
T901	1-441-283-14S	transformer, power (chassis No. SMC-160 □)
		CAPACITORS
C301	1-102-941	4 pF ± 0.5 pF 50 WV ceramic
C302	1-101-969	5 pF ± 0.25 % 50 WV ceramic
C303	1-101-969	5 pF ± 0.25 % 50 WV ceramic
C304	1-102-942	5 pF ± 0.5 pF 50 WV ceramic
C305	1-101-886	62 pF ± 5% 50 WV ceramic
C306	1-102-971	82 pF ± 5% 50 WV ceramic
C307	1-102-971	82 pF ± 5% 50 WV ceramic
C308	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C309	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C310	1-102-949	12 pF ± 5% 50 WV ceramic
C311	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C312	1-101-455	0.001μF ± 20% 50 WV ceramic
C313	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C314	1-102-946	9 pF ± 5% 50 WV ceramic
C315	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C316	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C317	1-101-455	0.001μF ± 20% 50 WV ceramic
C318	1-101-834	1.8 pF ± 0.2 pF 50 WV ceramic
C319	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C320	1-121-398	10μF $\pm^{100}_{10}$ % 25 WV electrolytic
C321	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C322		discarded
C323	1-101-003	0.0047 F $\pm^{100}_{0}$ % 50 WV ceramic
C324	1-102-934	1 pF ± 0.25pF 50 WV ceramic
C325		discarded
C326	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C327	1-102-942	5 pF ± 0.5 pF 50 WV ceramic
C328	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C329	1-121-402	33μF $\pm^{100}_{0}$ % 10 WV electrolytic
C330	1-101-006	0.047μF $\pm^{100}_{0}$ % 50 WV ceramic
C331	1-127-023	1μF ± 20% 10 WV electrolytic (alox)
C332	1-105-709-12	0.0047μF ± 10% 100WV mylar
C333	1-127-024	2.2μF ± 20% 10 WV electrolytic (alox)
C334	1-102-946	10 pF ± 5% 50 WV ceramic
※C335	1-101-837	0.5 pF ± 0.2 pF 50 WV ceramic
	1-101-586	0.8 pF ± 0.2 pF 50 WV ceramic
	1-102-934	1 pF ± 0.25 pF 50 WV ceramic
C336		discarded
C337	1-127-022	0.47μF ± 20% 10 WV electrolytic (alox)
C338		built in T302
C339		built in T303
C340		built in detector block
C341	1-102-946	9 pF ± 0.5 pF 50 WV ceramic
C342		built in detector block
C343	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C401	1-103-610	240 pF ± 5% 50 WV polystyrene
C402	1-103-663	330 pF ± 10% 50 WV polystyrene
C403	1-102-973	100 pF ± 5% 50 WV ceramic
C404	1-101-004	0.01 μF $\pm^{100}_{0}$ % 50 WV ceramic
C405	1-102-943	6 pF ± 0.5 pF 50 WV ceramic
C406	1-101-004	0.01μF $\pm^{100}_{0}$ % 50 WV ceramic
C407		discarded
C408	1-101-004	0.01μF $\pm^{100}_{0}$ % 50 WV ceramic
C409	1-101-455	0.001μF ± 20% 50 WV ceramic
C410	1-102-945	8 pF ± 0.5 pF 50 WV ceramic
C411	1-102-004	0.01μF $\pm^{100}_{0}$ % 50 WV ceramic
C412	1-101-006	0.047μF $\pm^{100}_{0}$ % 50 WV ceramic
C413	1-102-673	30 pF ± 5% 50 WV ceramic
C414	1-101-571	140 pF ± 5% 50 WV ceramic
C415	1-102-098	470 pF ± 20% 50 WV ceramic
C416	1-102-098	470 pF ± 20% 50 WV ceramic
C417	1-121-398	10μF $\pm^{100}_{0}$ % 25 WV electrolytic
C418	1-101-492	0.02μF ± 20% 50 WV ceramic
C419	1-101-492	0.02μF ± 20% 50 WV ceramic
C420	1-101-002	0.0022μF $\pm^{100}_{0}$ % 50 WV ceramic
C421	1-101-004	0.01μF $\pm^{100}_{0}$ % 50 WV ceramic
C422	1-101-006	0.047μF $\pm^{100}_{0}$ % 50 WV ceramic
C423	1-101-003	0.0047μF $\pm^{100}_{0}$ % 50 WV ceramic
C424	1-121-358	220μF $\pm^{100}_{10}$ % 16 WV electrolytic
C501	1-121-398	10μF $\pm^{100}_{10}$ % 25 WV electrolytic
C502	1-105-709-12	0.0047μF ± 10% 100WV mylar
C503	1-113-124	0.2 μF ± 10% 150 WV paper
C504	1-121-415	100μF $\pm^{100}_{10}$ % 16 WV electrolytic
C505	1-121-246	4.7 μF $\pm^{100}_{10}$ % 150 WV electrolytic
C506	1-113-122	0.05μF ± 20% 500 WV paper
C507	1-105-755-12	0.015 μF ± 10% 200 WV mylar
C508	1-121-168	1μF $\pm^{150}_{10}$ % 350 WV electrolytic
C509	1-105-749-12	0.0047 μF ± 10% 200 WV mylar
C510		discarded
C511	1-113-122	0.05μF ± 20% 500 WV paper
C512	1-113-122	0.05μF ± 20% 500 WV paper
C513	1-113-124	0.2μF ± 10% 150 WV paper
C551	1-121-398	10μF $\pm^{100}_{10}$ % 25 WV electrolytic

※ to be selected

Ref. No.	Part No.	Description
C552	1-121-358	220μF ±$^{100}_{10}$ % 16 WV electrolytic
C553	1-121-402	33μF ±$^{100}_{10}$ % 10 WV electrolytic
C554	1-121-426	470μF ±$^{100}_{10}$ % 16 WV electrolytic
C555	1-121-409	47μF ±$^{100}_{10}$ % 16 WV electrolytic
C556	1-101-005	0.022μF ±$^{100}_{0}$ % 50 WV ceramic
C557	1-101-005	0.022μF ±$^{100}_{0}$ % 50 WV ceramic
C558	1-105-717-12	0.022μF ± 20% 100 WV mylar
C559	1-105-717-12	0.022μF ± 20% 100WV mylar
C601	1-127-021	0.33μF ± 20% 10 WV electrolytic (alox)
C602	1-127-025	3.3 μF ± 20% 10 WV electrolytic (alox)
C603	1-121-344	4.7 μF ±$^{150}_{10}$ % 25 WV electrolytic
C604	1-105-721-12	0.047μF ± 10% 100 WV mylar
C605	1-105-717-12	0.022μF ± 10% 100 WV mylar
C606	1-105-713-12	0.01 μF ± 10% 100 WV mylar
C607	1-105-709-12	0.0047μF ± 10% 100 WV mylar
C608	1-121-345	3.3μF ±$^{150}_{10}$ % 50 WV electrolytic
C609	1-105-717-12	0.022 μF ± 10% 100 WV mylar
C610	1-127-025	3.3μF ± 20% 10 WV electrolytic (alox)
C611	1-105-721-12	0.047μF ± 10% 100 WV mylar
C612	1-121-409	47μF ±$^{100}_{10}$ % 16 WV electrolytic
C701	1-127-232	4.7μF ± 20% 25 WV electrolytic (alox)
C702	1-131-116	10μF ± 20% 16 WV tantalum
C703	1-121-398	10μF ±$^{100}_{10}$ % 25 WV electrolytic
C704	1-127-026	4.7μF ± 20% 10 WV electrolytic (alox)
C705	1-121-415	100μF ±$^{100}_{10}$ % 16 WV electrolytic
C706	1-121-426	470μF ±$^{100}_{10}$ % 16 WV electrolytic
C801	1-105-717-12	0.022μF ± 10% 100 WV mylar
C802	1-105-721-12	0.047μF ± 20% 100 WV mylar
C803	1-129-776	0.022 μF ± 5% 50 WV polypropylene film
C804	1-105-717-12	0.022μF ± 10% 100 WV mylar
※C805	1-105-705-12	0.0022μF ± 10% 100 WV mylar
	1-105-707-12	0.0033μF ± 10% 100 WV mylar
	1-105-709-12	0.0047μF ± 10% 100 WV mylar
	1-105-711-12	0.0068μF ± 10% 100 WV mylar
	1-105-713-12	0.01μF ± 10% 100 WV mylar
C806	1-121-703	100μF ±$^{100}_{10}$ % 50 WV electrolytic
C807	1-105-725-12	0.1μF ± 10% 100 WV mylar
C808	1-101-005	0.022μF ±$^{100}_{0}$ % 50 WV ceramic
C809	1-101-005	0.022μF ±$^{100}_{0}$ % 50 WV ceramic
C810	1-105-464-16	0.0033μF ± 10% 600 WV mylar
※C811	1-105-461-16	0.001μF ± 10% 600 WV mylar
	1-105-462-16	0.0015μF ± 10% 600 WV mylar
	1-105-463-16	0.0022μF ± 10% 600 WV mylar
	1-105-464-16	0.0033μF ± 10% 600 WV mylar
	1-105-465-16	0.0047μF ± 10% 600 WV mylar
C812	1-121-703	100μF ±$^{100}_{10}$ % 50 WV electrolytic
C813	1-129-498	1.2μF ± 10% 100 WV polypropylene film
C814	1-101-845	0.001μF ±$^{100}_{0}$ % 500 WV ceramic
C815	1-101-006	0.047μF ±$^{100}_{0}$ % 50 WV ceramic
C816	1-101-845	0.001μF ±$^{100}_{0}$ % 500 WV ceramic
C817	1-101-821	0.002μF ±$^{100}_{0}$ % 500 WV ceramic
C901	1-121-555	4000μF ±$^{100}_{15}$ % 15 WV electrolytic
C902	1-121-555	4000μF ±$^{100}_{15}$ % 15 WV electrolytic
C903	1-119-101	100μF ±$^{30}_{10}$ % 12 WV electrolytic
C903	1-119-235	200 μF ± 20 % 10 WV electrolytic (TV-900UA only)
C904	1-121-409	47μF ±$^{100}_{10}$ % 16 WV electrolytic
C905	1-119-106	100μF ± 20% 16 WV electrolytic

RESISTORS

(All resistors are ERD14V ±5% carbon, unless otherwise specified).

R301	1-248-629	15 Ω	
R302		discarded	
R303	1-248-627	12 Ω	
R304	1-248-649	100 Ω	
R305	1-248-659	270 Ω	
R306	1-248-656	200 Ω	
R307	1-248-665	470 Ω	
R308	1-248-656	200 Ω	
R309	1-248-657	220 Ω	
R310	1-248-659	270 Ω	
R311		discarded	
R312	1-248-663	390 Ω	
R313	1-248-696	9.1 kΩ	
R314	1-248-675	1.2 kΩ	
R315	1-248-651	120 Ω	
※R316	1-244-491	5.6 kΩ	RD 1/8 P
	1-244-493	6.8 kΩ	RD 1/8 P
	1-244-495	8.2 kΩ	RD 1/8 P
	1-244-497	10 kΩ	RD 1/8 P
	1-244-499	12 kΩ	RD 1/8 P
	1-244-501	15 kΩ	RD 1/8 P
	1-244-503	18 kΩ	RD 1/8 P
	1-244-505	22 kΩ	RD 1/8 P
	1-244-507	27 kΩ	RD 1/8 P
	1-244-509	33 kΩ	RD 1/8 P
	1-244-510	36 kΩ	RD 1/8 P
	1-244-513	47 kΩ	RD 1/8 P
R317	1-248-646	75 Ω	
R318	1-248-680	2 k Ω	
R319	1-248-655	180 Ω	
R320	1-248-690	5.1 kΩ	
R321	1-248-681	2.2 kΩ	
R322	1-248-671	820 Ω	
R323	1-248-687	3.9 kΩ	
R324	1-248-665	470 Ω	
R325	1-248-677	1.5 kΩ	
※R326	1-248-706	24 kΩ	
	1-248-707	27 kΩ	
	1-248-708	30 kΩ	
	1-248-709	33 kΩ	
	1-248-710	36 kΩ	

※to be selected

Ref. No.	Part No.		Description
※R326	1-248-711	39 kΩ	
	1-248-712	43 kΩ	
	1-248-713	47 kΩ	
	1-248-714	51 kΩ	
	1-248-715	56 kΩ	
R327	1-248-700	13 kΩ	
R328	1-248-655	180 Ω	
R329	1-248-665	470Ω	
R330	1-248-683	2.7 kΩ	
R331	1-248-671	820 Ω	
R332	1-248-657	220Ω	
※R333	1-248-703	18 kΩ	
	1-248-704	20 kΩ	
	1-248-705	22 kΩ	
	1-248-706	24 kΩ	
R334	1-248-666	510 Ω	
R335	1-248-666	510 Ω	
R336		discarded	
R337	1-248-659	270 Ω	
R401	1-248-657	220 Ω	
R402	1-248-664	430 Ω	
R403	1-246-706	24 kΩ	ERD 14T
R404	1-248-686	3.6 kΩ	
R405	1-248-673	1 kΩ	
R406	1-248-649	100 Ω	
※R407	1-244-486	3.6 kΩ	RD 1/8 P
	1-244-487	3.9 kΩ	RD 1/8 P
	1-244-489	4.7 kΩ	RD 1/8 P
	1-244-490	5.1 kΩ	RD 1/8 P
	1-244-491	5.6 kΩ	RD 1/8 P
	1-244-493	6.8 kΩ	RD 1/8 P
	1-244-495	8.2 kΩ	RD 1/8 P
	1-244-497	10 kΩ	RD 1/8 P
R408	1-248-694	7.5 kΩ	
R409	1-248-685	3.3 kΩ	
R410	1-248-670	750 Ω	
R411	1-248-673	1 kΩ	
R412	1-204-345	5.1 kΩ	RD 1/16 L
R413	1-248-649	100 Ω	
R414	1-248-675	1.2 kΩ	
R415	1-248-675	1.2 kΩ	
R416	1-248-685	3.3 kΩ	
R417	1-248-685	3.3 kΩ	
R418	1-248-641	47 Ω	
※R501	1-246-694	7.5 kΩ	ERD14T
	1-246-695	8.2 kΩ	ERD14T
	1-246-697	10 kΩ	ERD14T
	1-246-699	12 kΩ	ERD14T
	1-246-701	15 kΩ	ERD14T
R502	1-250-919	82 kΩ	RD12T
R503	1-246-640	43 Ω	ERD14T

※ to be selected

Ref. No.	Part No.		Description
R504	1-246-681	2.2 kΩ	ERD14T
R505	1-248-697	10 kΩ	
R506	1-211-087	8.2 kΩ	RD1P
R507	1-246-730	240 kΩ	ERD14T
R508	1-246-666	510 Ω	ERD14T
R509	1-202-621-51	100 kΩ	± 20% RC½ composition
R510	1-246-704	20 kΩ	ERD14T
R511	1-202-621-51	100 kΩ	± 20% RC½ composition
R517	1-246-696	9.1 kΩ	ERD14T
R518	1-248-633	22 Ω	
R551	1-248-697	10 kΩ	
R552	1-248-697	10 kΩ	
R553	1-248-679	1.8 kΩ	
R554	1-248-612	3 Ω	
R555	1-248-693	6.8 kΩ	
R556	1-248-675	1.2 kΩ	
R557	1-248-641	47 Ω	
R558	1-248-655	180 Ω	
R559	1-248-659	270 Ω	
R560	1-248-675	1.2 kΩ	
R561	1-248-612	3 Ω	
R562	1-248-618	5.1 Ω	
R563	1-248-631	18 Ω	
R564	1-246-653	150 Ω	ERD14T
R601	1-246-642	51 Ω	ERD14T
R602	1-246-661	330 Ω	ERD14T
R603	1-246-697	10 kΩ	ERD14T
R604	1-246-737	470 k Ω	ERD14T
R605	1-246-677	1.5 kΩ	ERD14T
R606	1-246-697	10 kΩ	ERD14T
R607	1-246-701	15 kΩ	ERD14T
R608	1-246-712	43 kΩ	ERD14T
R609	1-246-656	200 Ω	ERD14T
R610	1-246-683	2.7 kΩ	ERD14T
R611	1-246-680	2 kΩ	ERD14T
R612	1-246-701	15 kΩ	ERD14T
R613	1-246-690	5.1 kΩ	ERD14T
R614	1-211-074	5.6 kΩ	RD1P
R615	1-246-688	4.3 kΩ	ERD14T
R616	1-246-690	5.1 kΩ	ERD14T
R617	1-246-677	1.5 kΩ	ERD14T
R618	1-246-690	5.1 kΩ	ERD14T
R619	1-246-670	750 Ω	ERD14T
R620	1-246-625	10 Ω	ERD14T
※R621	1-246-687	3.9 kΩ	ERD14T
	1-246-688	4.3 kΩ	ERD14T
	1-246-689	4.7 kΩ	ERD14T
	1-246-690	5.1 kΩ	ERD14T
	1-246-691	5.6 kΩ	ERD14T
	1-246-692	6.2 kΩ	ERD14T
	1-246-693	6.8 kΩ	ERD14T
	1-246-694	7.5 kΩ	ERD14T

Ref. No.	Part No.		Description		
※R621	1-246-695	8.2 k Ω	ERD14T		
R701	1-246-660	300 Ω	ERD14T		
R702	1-246-688	4.3 kΩ	ERD14T		
R703	1-246-677	1.5 kΩ	ERD14T		
R704	1-246-625	10 Ω	ERD14T		
R705	1-246-688	4.3 kΩ	ERD14T		
R706	1-246-688	4.3 kΩ	ERD14T		
R707	1-246-706	24 kΩ	ERD14T		
R708	1-246-680	2 kΩ	ERD14T		
R709	1-246-680	2 kΩ	ERD14T		
R710	1-246-688	4.3 kΩ	ERD14T		
※R711	1-246-673	1 kΩ	ERD14T		
	1-246-675	1.2 kΩ	ERD14T		
	1-246-677	1.5 kΩ	ERD14T		
	1-246-679	1.8 kΩ	ERD14T		
	1-246-680	2 kΩ	ERD14T		
	1-246-681	2.2 kΩ	ERD14T		
R712	1-246-665	470 Ω	ERD14T		
R713	1-207-019	3 Ω	± 10%	RW¼RL	wire wound
R714	1-207-019	3 Ω	± 10%	RW¼RL	wire wound
R715	1-246-660	300 Ω	ERD14T		
R801	1-246-688	4.3 kΩ	ERD14T		
R802	1-246-672	910 Ω	ERD14T		
R803	1-246-673	1 kΩ	ERD14T		
R804	1-246-666	510 Ω	ERD14T		
R805	1-246-666	510 Ω	ERD14T		
R806	1-246-660	300 Ω	ERD14T		
R807	1-248-691	5.6 kΩ			
R813	1-246-631	18 Ω	ERD14T		
R814	1-246-687	3.9 kΩ	ERD14T		
R815	1-207-091	6.8 Ω	RW½RL	wire wound	
R816	1-207-015	2 Ω	RW¼RL	wire wound	
R901	1-202-642-31	750 kΩ	± 10%	RC½	composition
R902	1-207-054	3.9 Ω	± 10%	RW3	wire wound

※ to be selected

Ref. No.	Part No.	Description
VR301	1-221-998	500 Ω–B adjustable (AGC)
VR501	1-222-506	1 kΩ–E variable (CONTR)
VR502	1-222-505	250 kΩ–B variable (BRT)
VR551	1-221-822	5 kΩ–D variable (VOLUME)
VR601	1-222-510	1 kΩ–B variable (HOR)
VR701	1-222-511	2 kΩ–B variable (VER)
VR702	1-221-390	5 kΩ–B adjustable (V. LIN)
VR703	1-221-390	5 kΩ–B adjustable (HEIGHT)

MISCELLANEOUS

HPF	1-231-046	high pass filter
DY	1-451-055-31	deflection yoke
ANT	1-501-130	telescopic antenna
SP	1-502-126	speaker
	1-506-320	dc plug, 2 pole
J551, 552,	1-507-174-23	jack, earphone
	1-508-082-61	connector, 4 pole
	1-508-201-35 1-508-202-22	connector, anode cap.
S902	1-513-216-14	switch, charging
S1	1-514-429-12	slide switch, antenna
	1-526-083-55	socket ass'y, picture tube
Se	1-531-024	selenium rectifier
F902	1-532-039	fuse, 2A
F902	1-532-261	fuse, 0.3A
F903	1-532-201	thermal fuse,, 0.8 A 100 °C (chassis No. SMC-160□)
	1-534-379-45	output cable
	1-534-538	cord, power supply
	1-536-120	power supply terminal board; 4 pole
	1-536-192	terminal strip, 2-L-2
	1-536-277	terminal strip, L-2
CRT	8-731-209-99	picture tube (230DB4)

When ordering replacement parts, you should use PART NUMBER listed on the Parts Lists or shown in the EXPLODED VIEW. The reference number should not be used for ordering purposes.