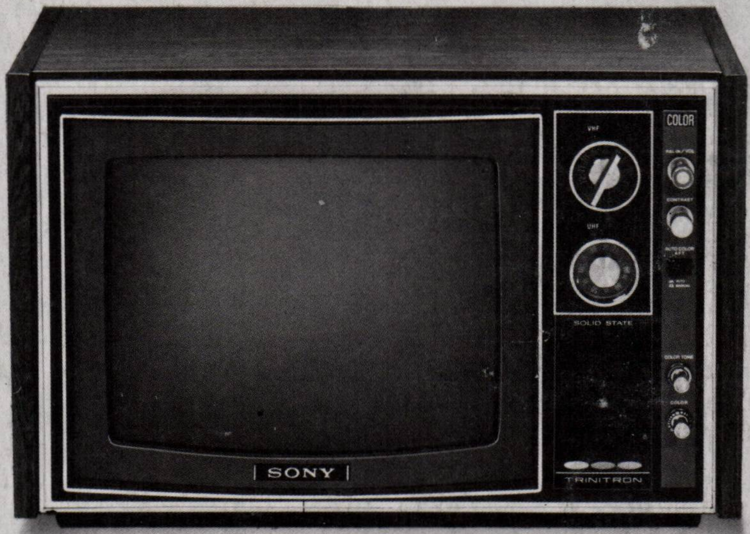
COLOR TV
KV-1300E

ISO Set using ISO screws

PRELIMINARY



SPECIFICATIONS

TV-signal standards: CCIR system B and G

Picture tube: 13" 90° deflection TRINITRON system

Semiconductors: 79 transistors, 68 diodes, 2 ICs, 3 thermistors, 2 varistors and 1 posistor

Channel coverage: VHF; ch. E2～E12
UHF; ch. E21～E68

Aerial system: 240-ohm aerial terminal type

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

Intermediate frequency: Picture i-f carrier; 38.9 MHz
Sound i-f carrier; 33.4 MHz

Video system: Red, green and blue cathode drive system

Sound system: 5.5 MHz intercarrier system
Power output; 1.2 watts (at 10% harmonic distortion)
Speaker; 8 x 12 cm, 8-ohm voice coil

Convergence correction system: Horizontal; electrostatic deflection system
Vertical; magnetism correction system of magnet

Power requirements: AC 220V 50 Hz

Power consumption: 78 watts

Anode voltage: 20 kV at zero beam current

Automatic controls:
ACC (automatic color control)
ACK (automatic color killer)
ADG (automatic degaussing)
ABL (automatic brightness limiter)
ANC (automatic noise canceller)
AFC (automatic frequency control)
AFT (automatic fine tuning)
AGC (automatic gain control)
AVR (automatic voltage regulator)
AZC (automatic zooming control)

Dimensions: 474 mm(W) x 318 mm(H) x 394 mm(D)

Weight: 14.1 kg

Accessories: Polishing cloth
Instruction manual etc.

SONY®

SERVICE MANUAL

TABLE OF CONTENTS

SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM

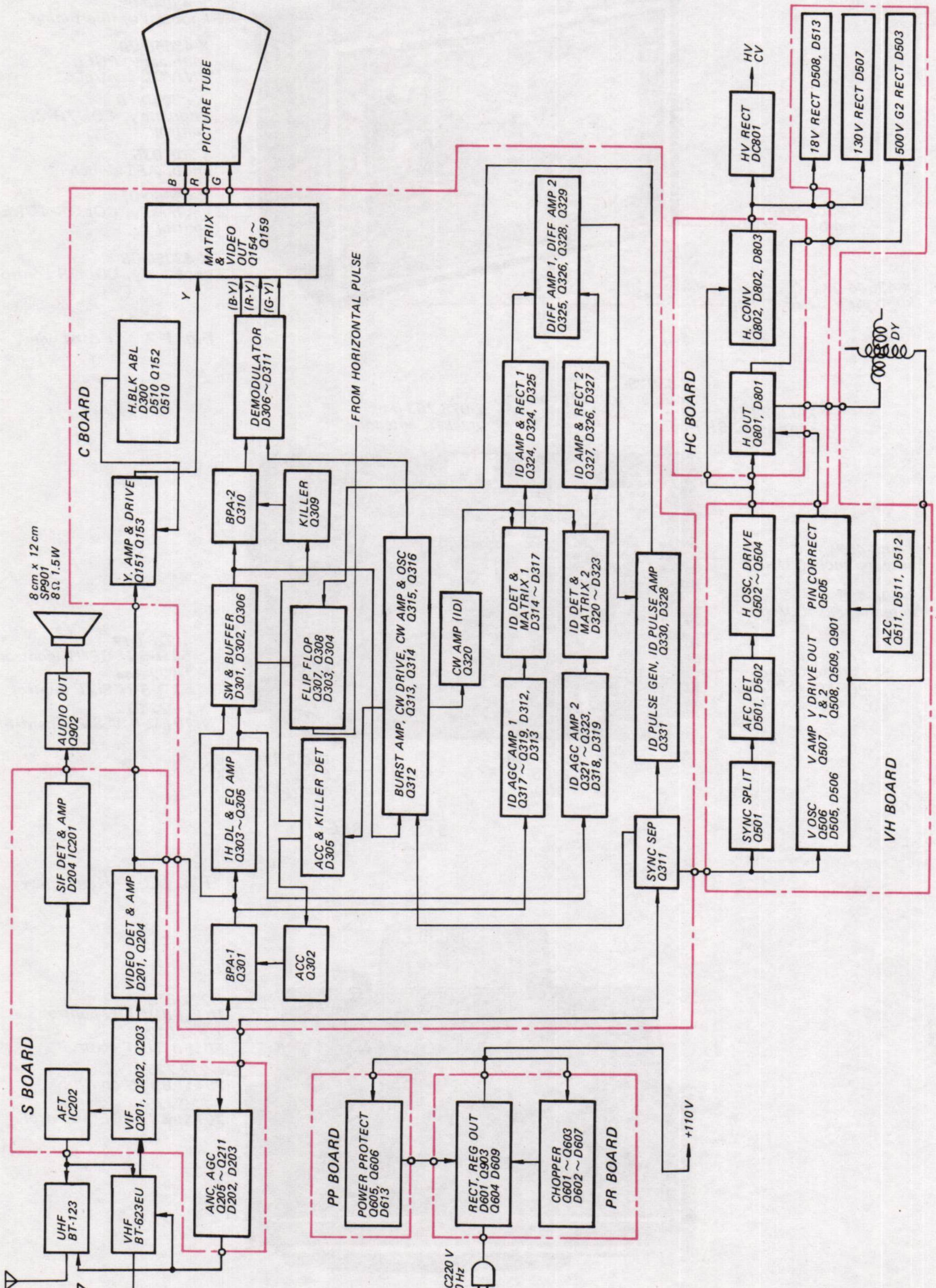


Fig. 1-1.

1-2. EXTERNAL VIEW

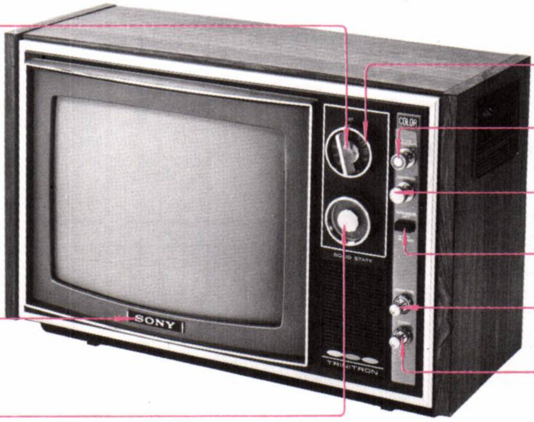


Fig. 1-2. Front view

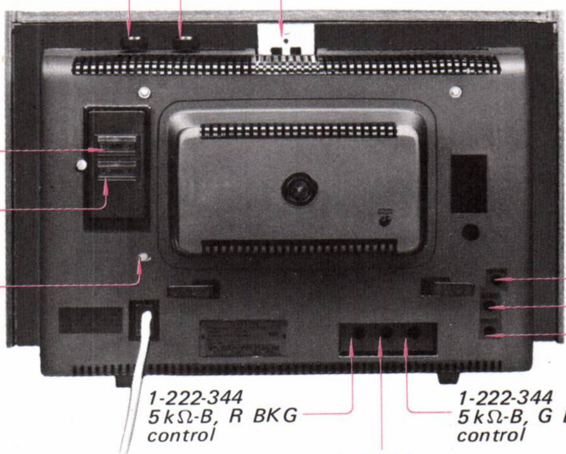


Fig. 1-3. Rear view

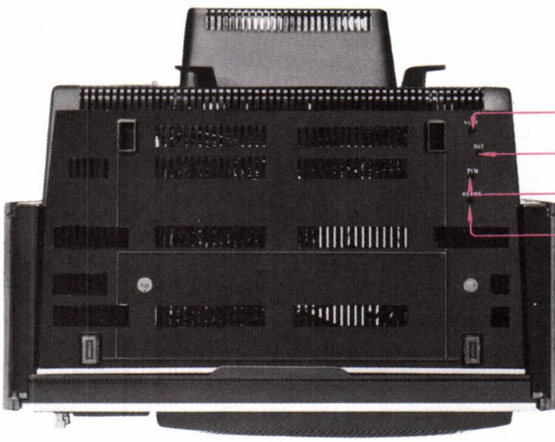


Fig. 1-4. Bottom view

1-3. INTERNAL VIEW

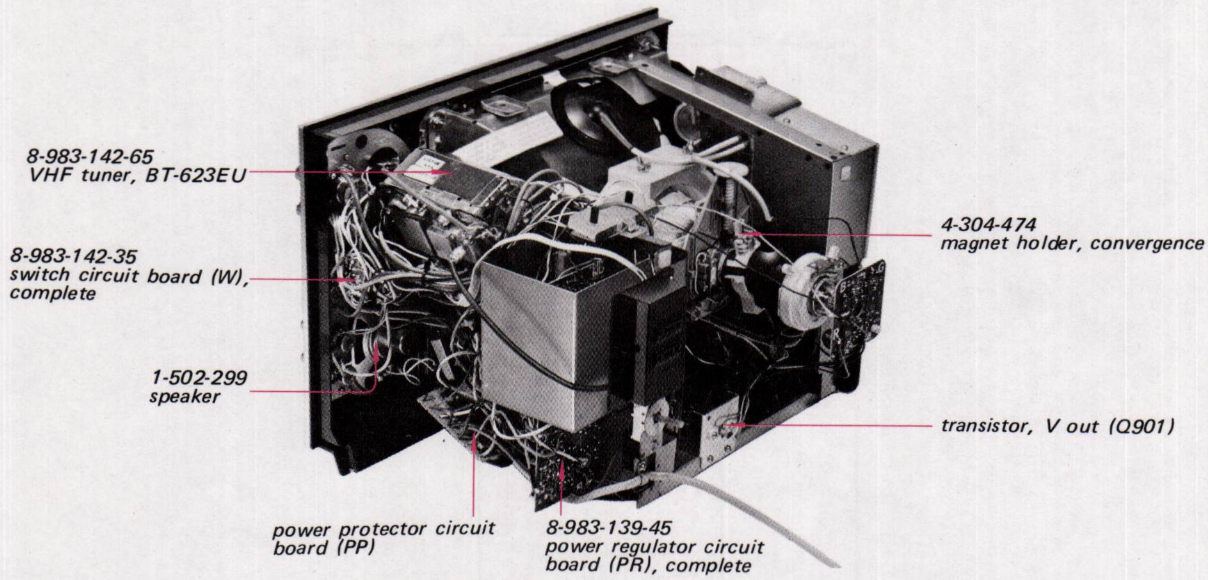


Fig. 1-5.

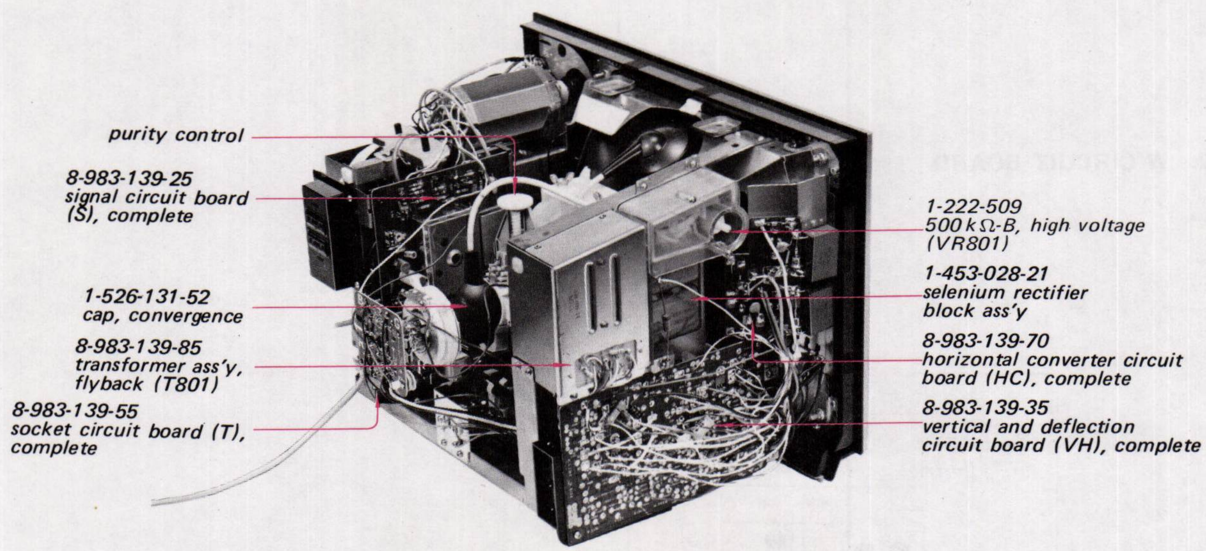
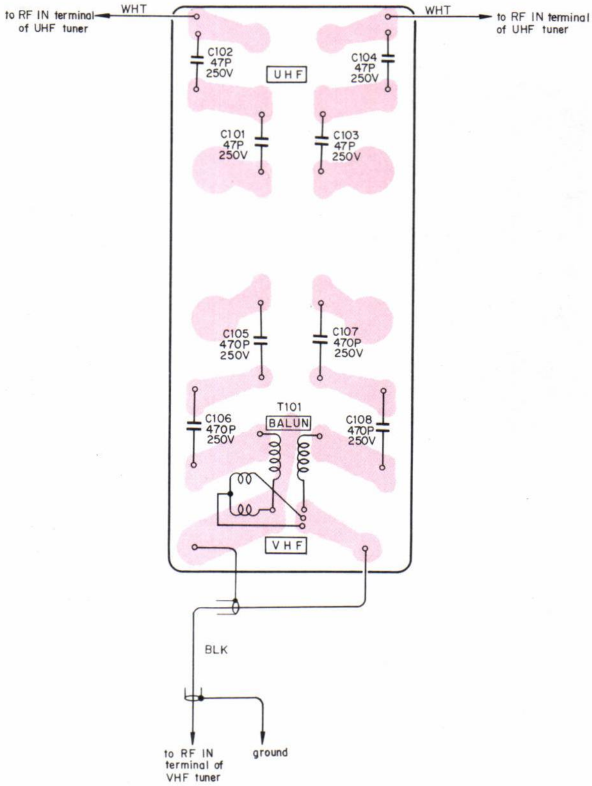


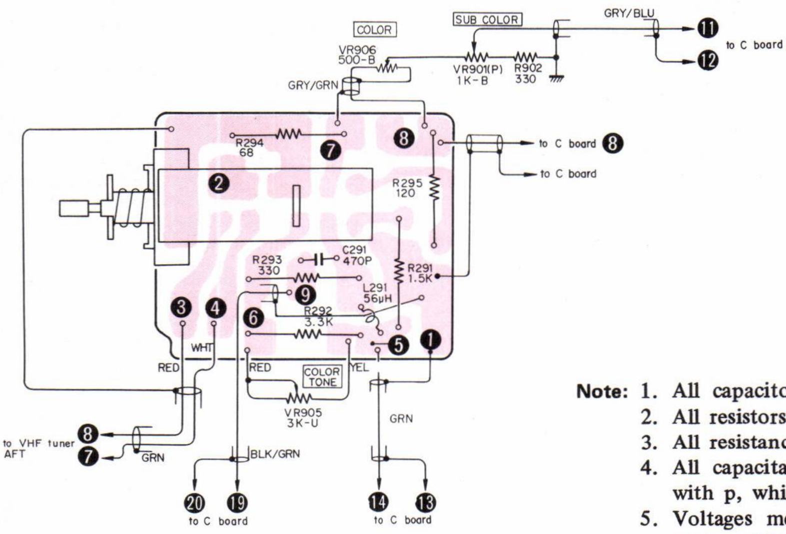
Fig. 1-6.

SECTION 2
MOUNTING AND SCHEMATIC DIAGRAMS

2-1. ANT CIRCUIT BOARD

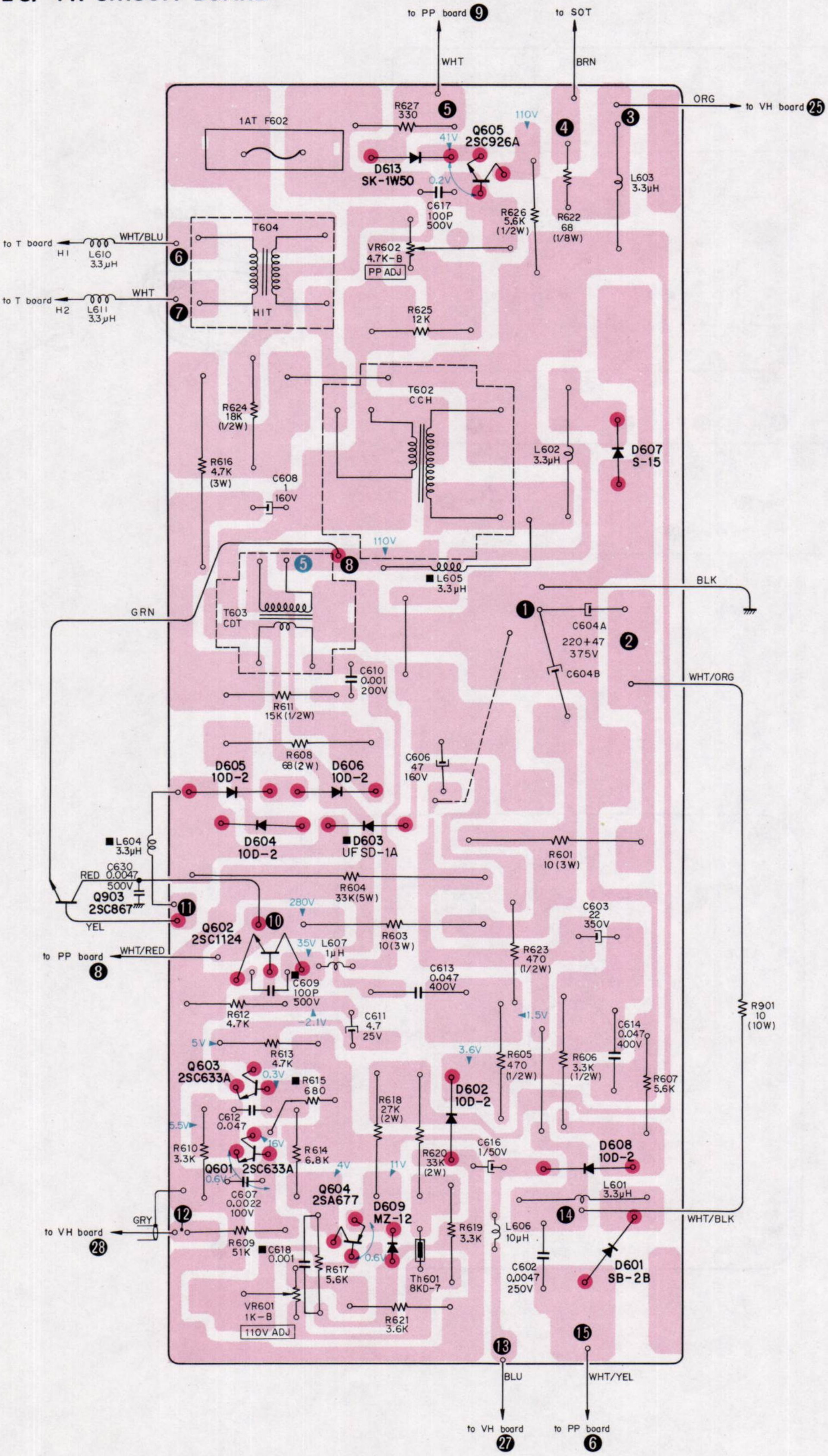


2-2. W CIRCUIT BOARD



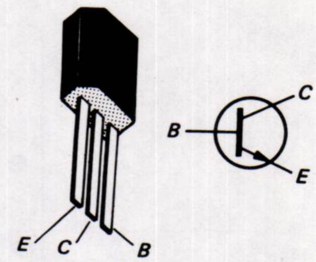
Note:
1. All capacitors are 50WV unless otherwise specified.
2. All resistors are ¼W unless otherwise specified.
3. All resistance values are in ohms. k = 1,000.
4. All capacitance values are in μF except as indicated with p, which means μμF.
5. Voltages measured from chassis to point indicated with a VOM (DC 20 k ohms/V) at color signal input.
6. The parts marked ※ indicates a component whose value is selected to yield specified operating condition.
7. The blue circuled numbers (1 ~ 64) refer to waveform on page 17 and 18.

2-3. PR CIRCUIT BOARD

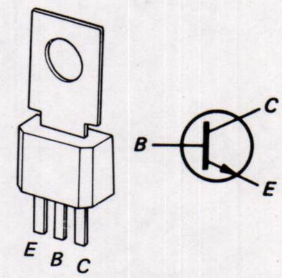


Note: The parts marked ■ are mounted on the conductor side.

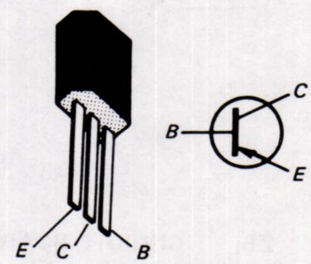
Q601, 603, 605



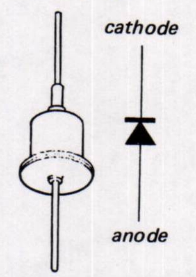
Q602



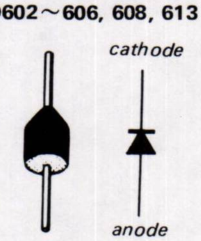
Q604



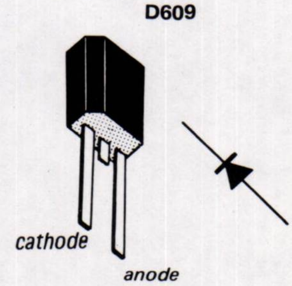
D601, 607



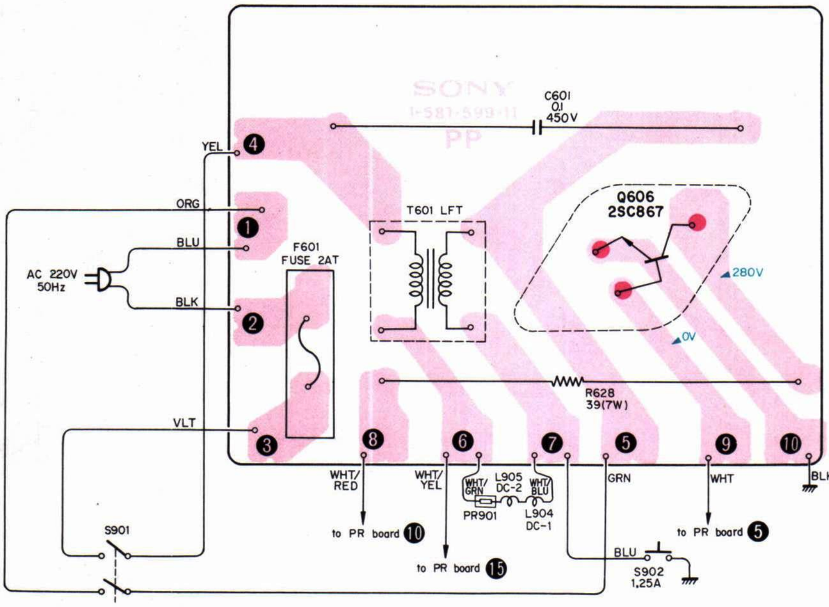
D602～606, 608, 613

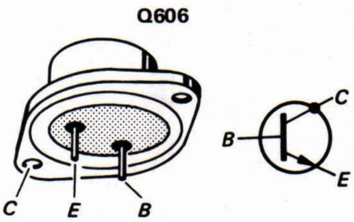


D609

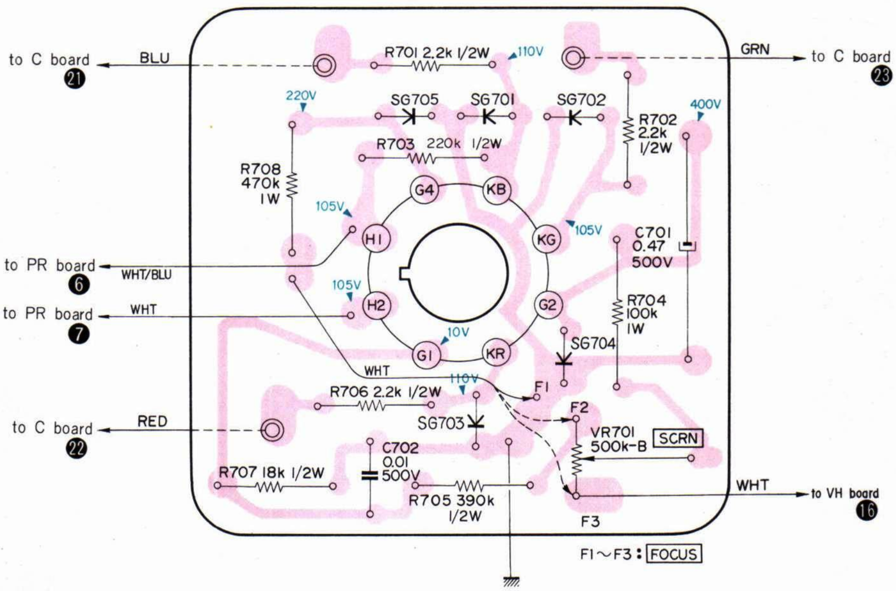


2-4. PP CIRCUIT BOARD



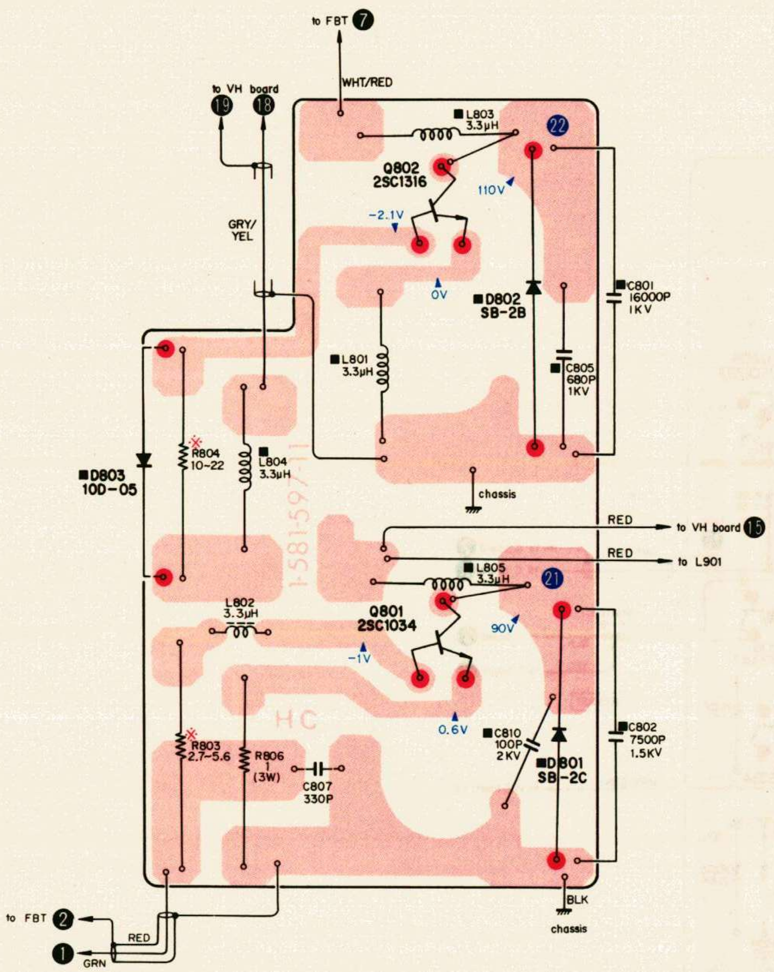


2-5. T CIRCUIT BOARD

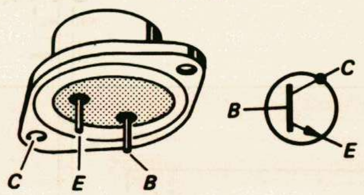


 KV-1300E

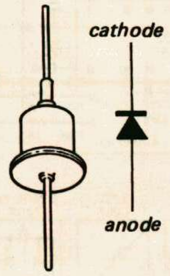
2-6. HC CIRCUIT BOARD



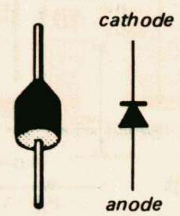
Q801, 802



D801, 802

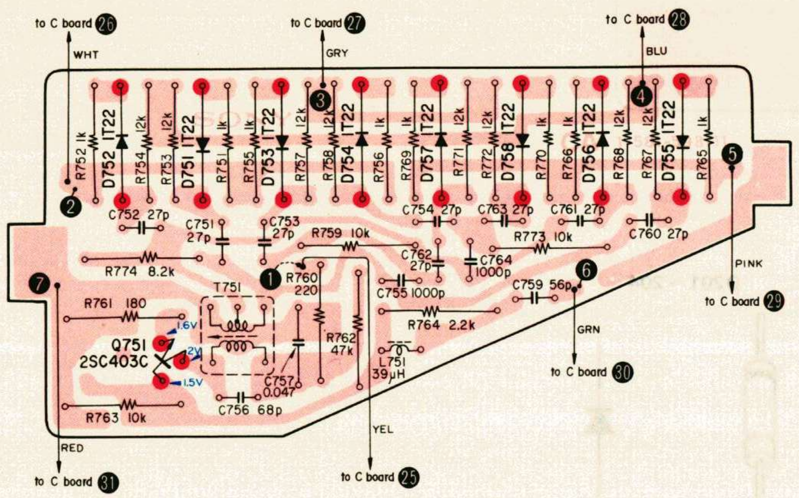


D803

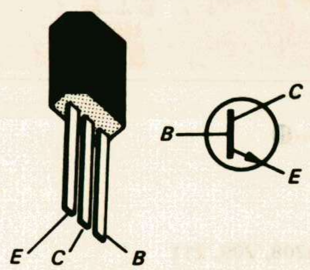


Note: The parts marked ■ are mounted on the conductor side.

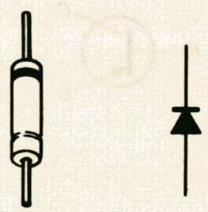
2-7. CA CIRCUIT BOARD



Q751

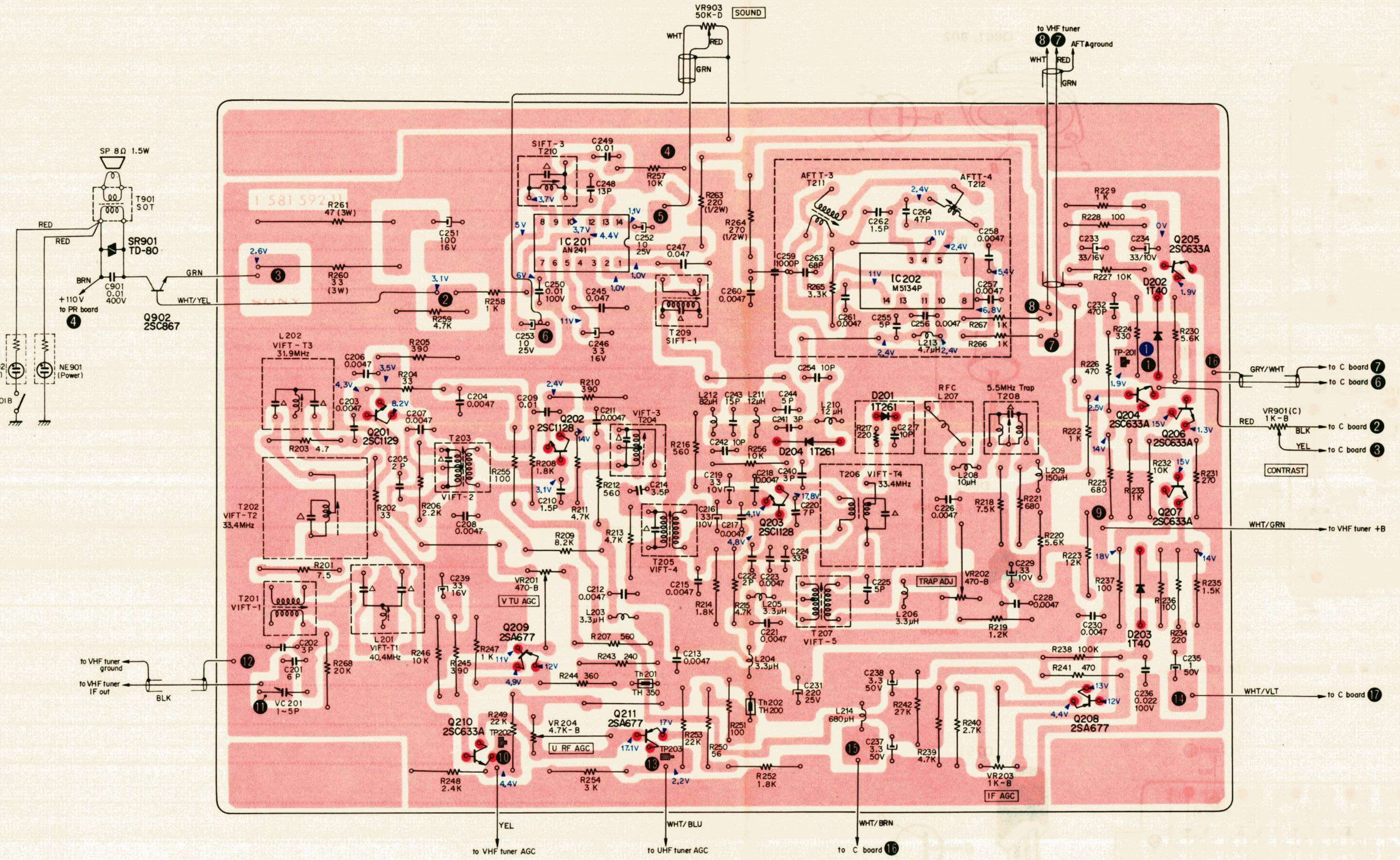


D751～758

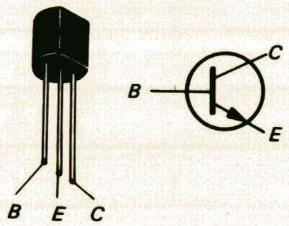


MEMO

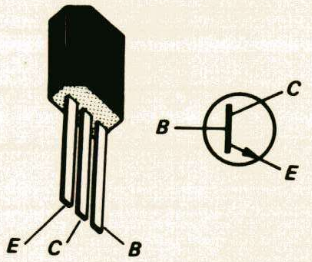
2-8. S CIRCUIT BOARD



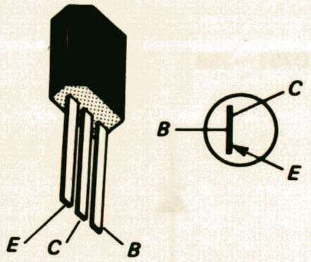
Q201～203



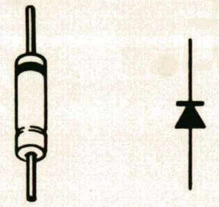
Q204～207, 210



Q208, 209, 211

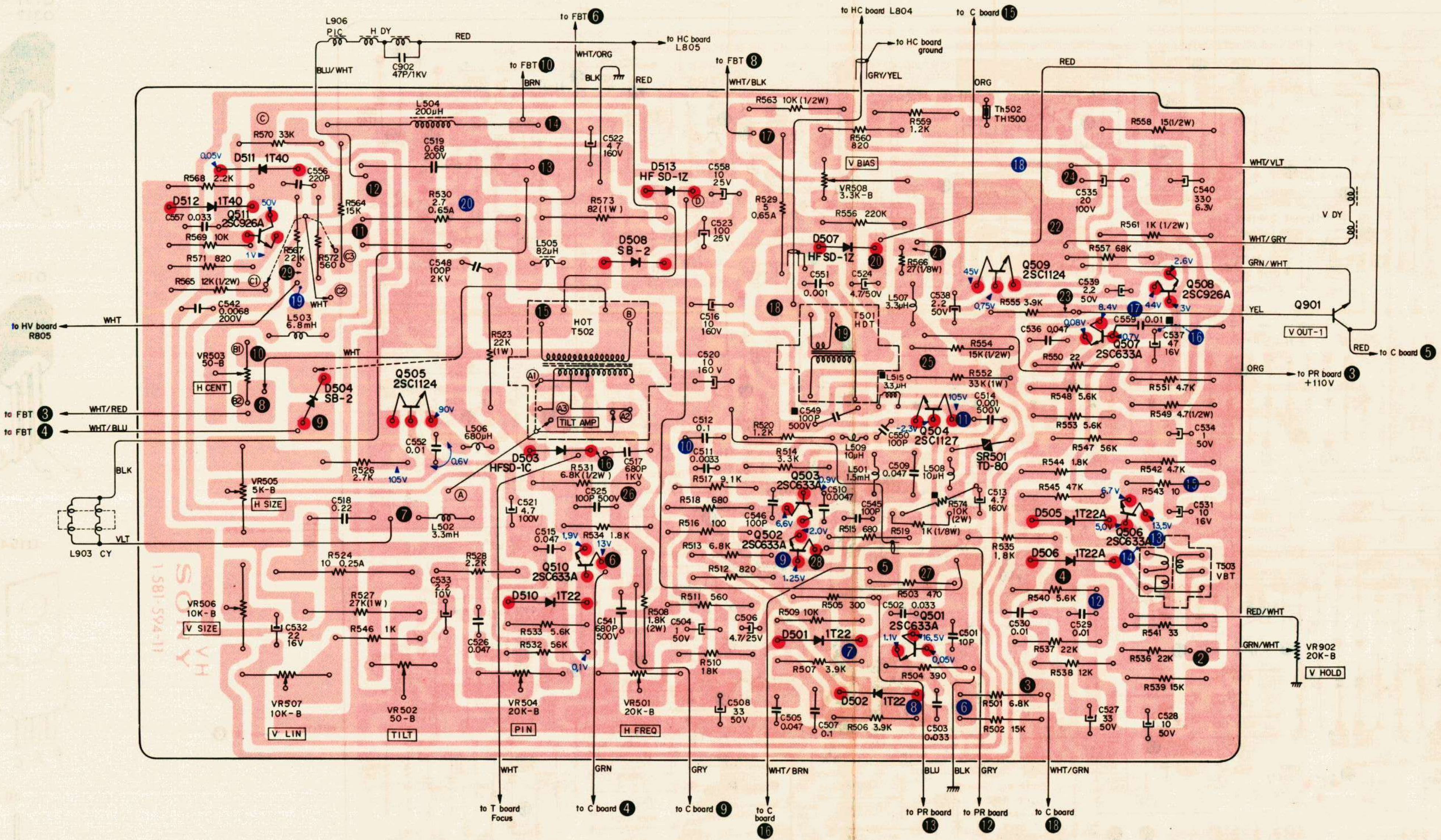


D201～204

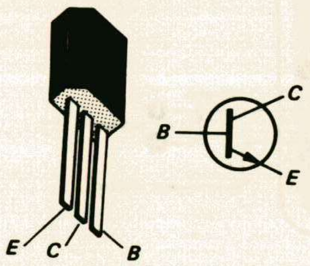


Note: The parts marked ■ are mounted on the conductor side.

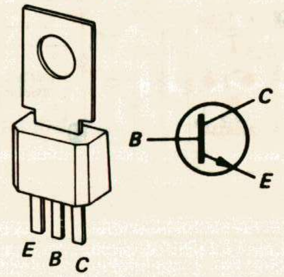
2-9. VH CIRCUIT BOARD



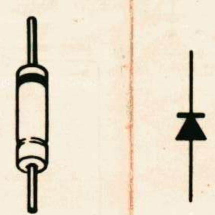
Q501～503, 506～508, 510, 511



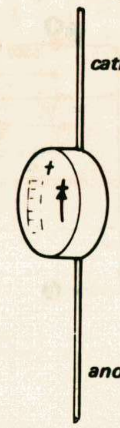
Q504, 505, 509



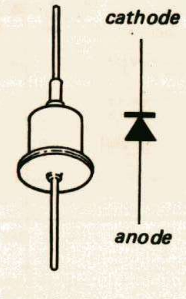
D501, 502, 505
D506, 510～512



D503, 507

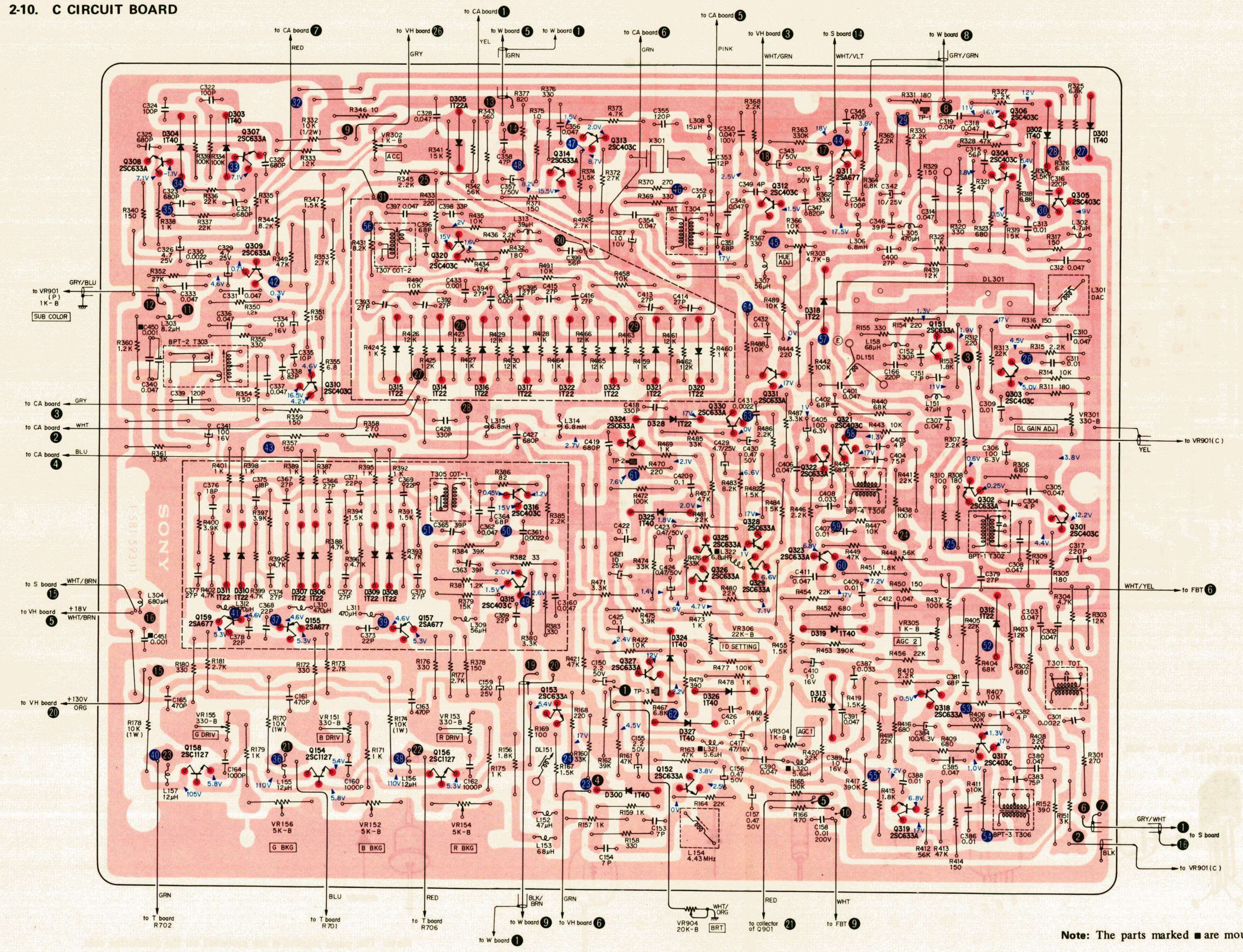


D504, 508



Note: The parts marked ■ are mounted on the conductor side.

2-10. C CIRCUIT BOARD

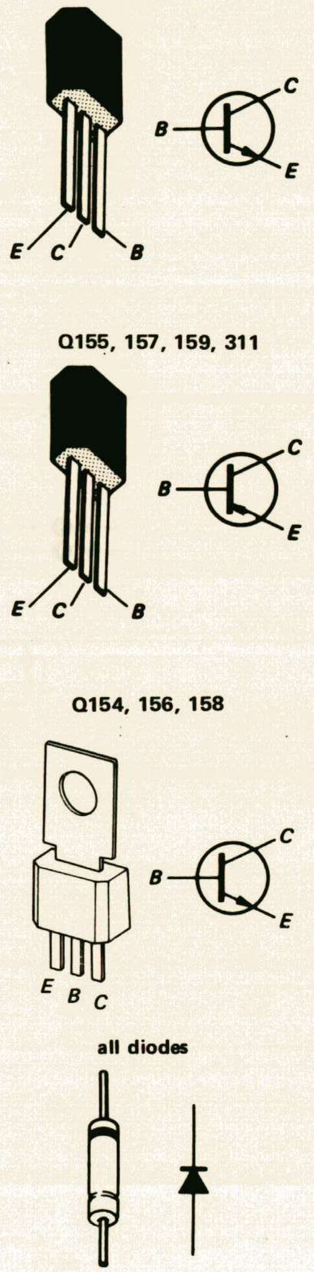


Q151～153, 301～310
Q312～331

Q155, 157, 159, 311

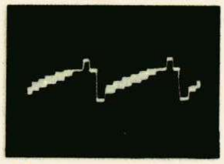
Q154, 156, 158

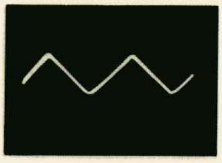
all diodes

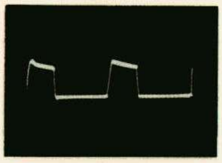


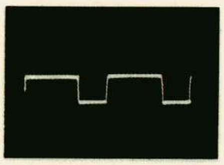
Note: The parts marked ■ are mounted on the conductor side.

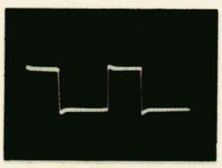
2-11. WAVEFORMS

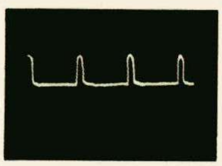

1 31.4Vp-p

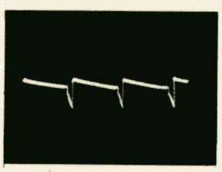

2 1.4Vp-p

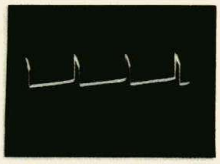

3 160Vp-p

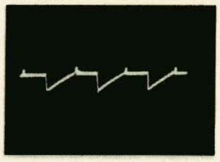

4 9Vp-p


5 350Vp-p


6 9Vp-p


7 10Vp-p


8 11Vp-p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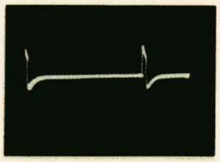
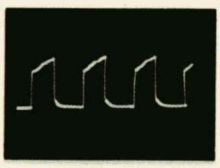
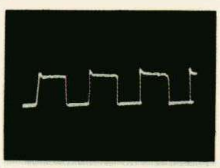
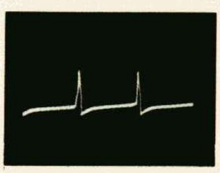
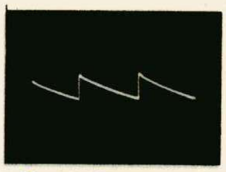

10 7Vp-p

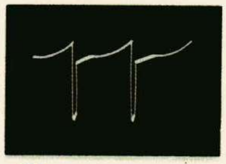

11 250Vp-p

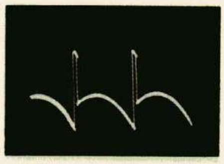

12 6Vp-p


13 6.2Vp-p


14 6.1Vp-p


15 3.8Vp-p


16 13Vp-p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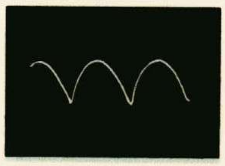
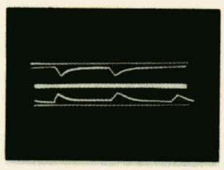
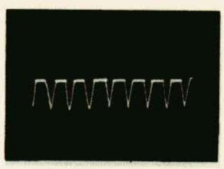
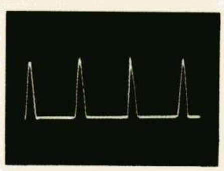

18 28Vp-p


19 140Vp-p


20 120Vp-p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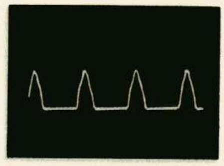
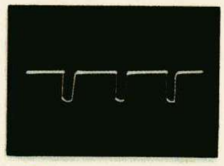
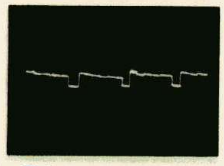
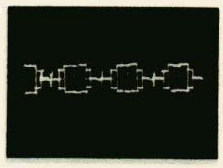
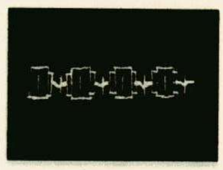
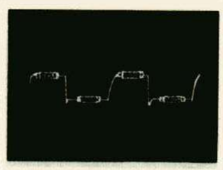

22 580Vp-p

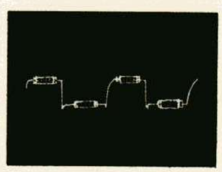

23 20Vp-p

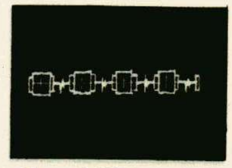

24 8.4Vp-p

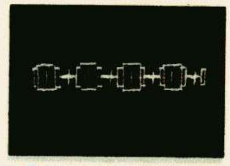

25 1.0Vp-p

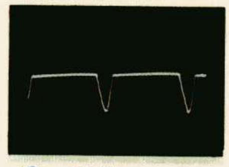

26 0.5Vp-p

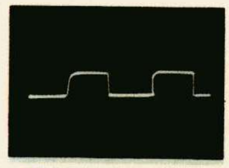

27 4.2Vp-p

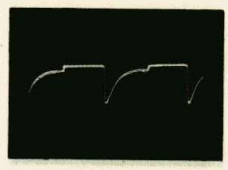

28 4.2Vp-p

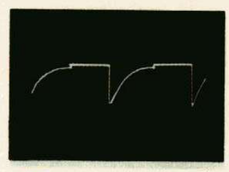

29 0.4Vp-p

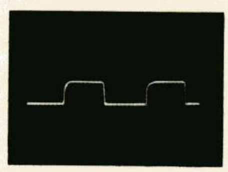

30 0.9Vp-p

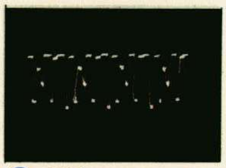

31 56Vp-p

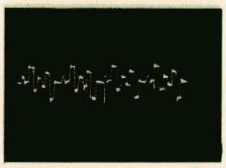

32 13Vp-p

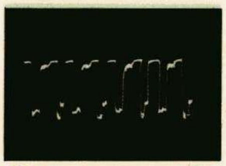

33 13Vp-p

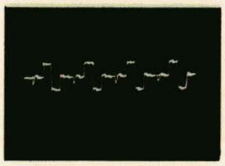

34 13Vp-p

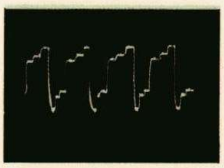

35 13Vp-p

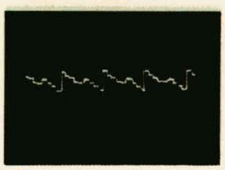

36 78Vp-p

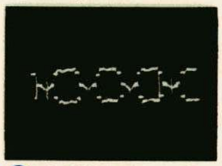

37 4.2Vp-p

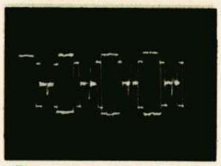

38 84Vp-p


39 3.8Vp-p

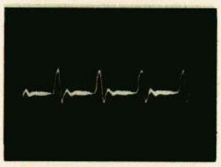

40 85Vp-p

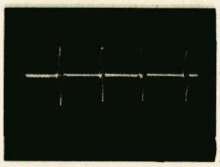

41 1.2Vp-p

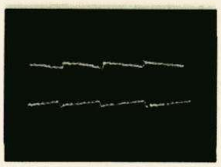

42 0.28Vp-p

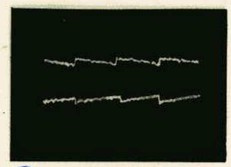

43 9Vp-p

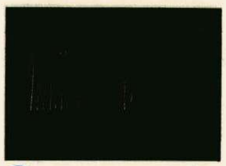

44 4.2Vp-p

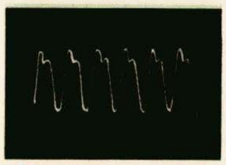

45 4.8Vp-p

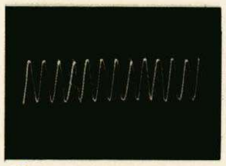

46 7.0Vp-p

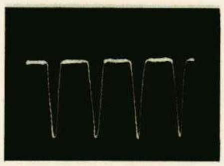

47 2.8Vp-p

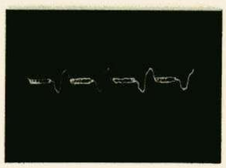

48 2.7Vp-p

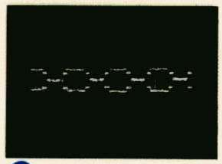

49 0.43Vp-p

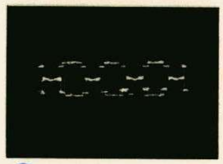

50 8Vp-p

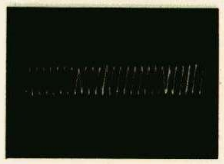

51 15Vp-p

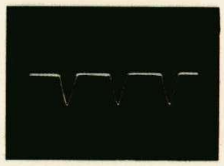

52 12Vp-p


53 2.0Vp-p

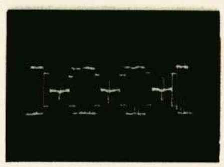

54 2.2Vp-p

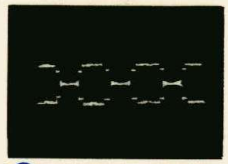

55 2.0Vp-p

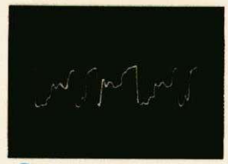

56 10Vp-p

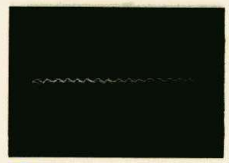

57 11Vp-p

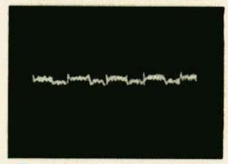

58 1.8Vp-p

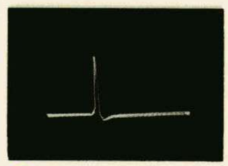

59 1.6Vp-p


60 1.8Vp-p

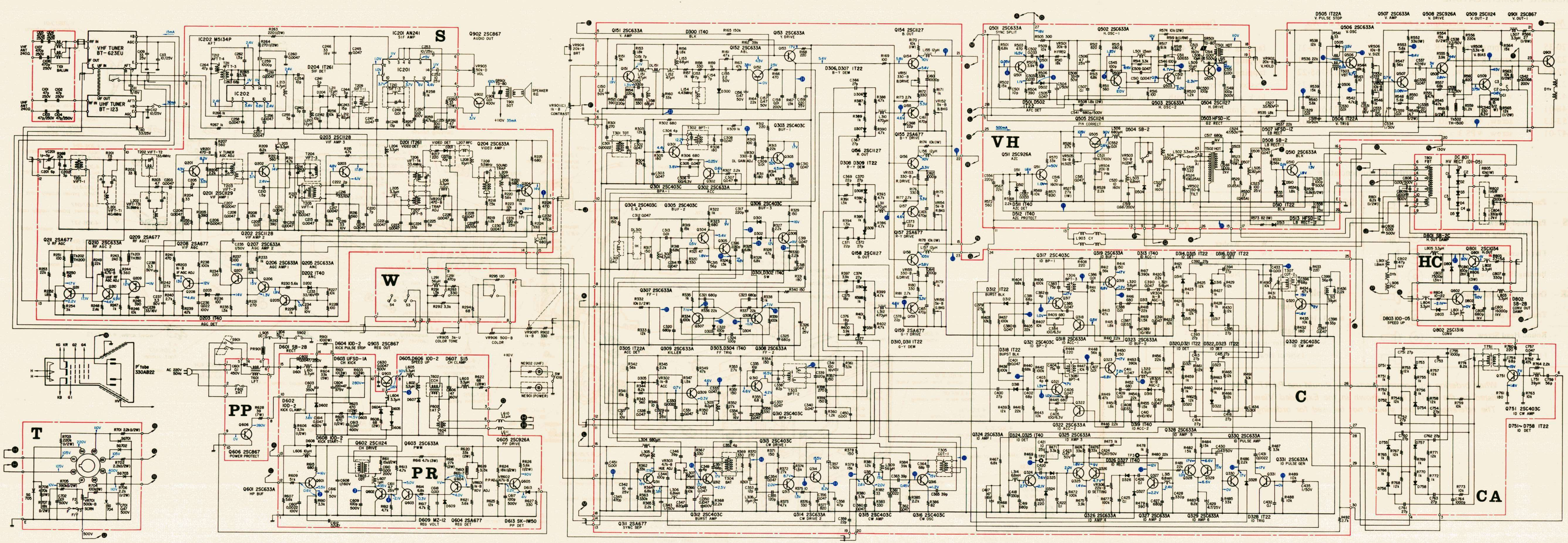

61 1.4Vp-p


62 0Vp-p


63 0.05Vp-p


64 0.8Vp-p

2-12. SCHEMATIC DIAGRAM



Note:
1. All capacitors are 50WV unless otherwise specified.
2. All resistors are ¼W unless otherwise specified.
3. All resistance values are in ohms. k = 1,000.
4. All capacitance values are in μF except as indicated with p, which means $\mu\mu$F.
5. Voltages measured from chassis to point indicated with a VOM (DC 20k ohms/V) at color signal input.
6. The parts marked * indicates a component whose value is selected to yield specified operating condition.
7. The blue circled numbers (● ~ ●) refer to waveform on page 17 and 18.

SECTION 3
EXPLODED VIEW AND PACKING

3-1. HARDWARE NOMENCLATURE

Part No.	Description	Part No.	Description
7-621-720-35	tapping screw, ⊕R 2 x 6	7-685-160-21	tapping screw, ⊕P 4 x 10
7-621-722-57	tapping screw, ⊕BV 3 x 8	7-685-161-21	tapping screw, ⊕P 4 x 12
7-621-722-63	tapping screw, ⊕BV 3 x 10	7-685-165-22	tapping screw, ⊕P 4 x 25
7-621-722-75	tapping screw, ⊕BV 3 x 12	7-623-109-25	washer, 3.5 mm dia.
7-621-843-35	wood screw, ⊕R 3.1 x 13	7-623-408-01	lock washer, ext tooth; 3 mm dia.
7-682-148-01	screw, ⊕P 3 x 8	7-623-508-01	lug, 3 mm dia.
7-682-153-13	screw, ⊕P 3 x 20	7-684-013-01	nut, 3 mm dia.
7-682-647-01	screw, ⊕PS 3 x 6		

– Hardware Nomenclature –

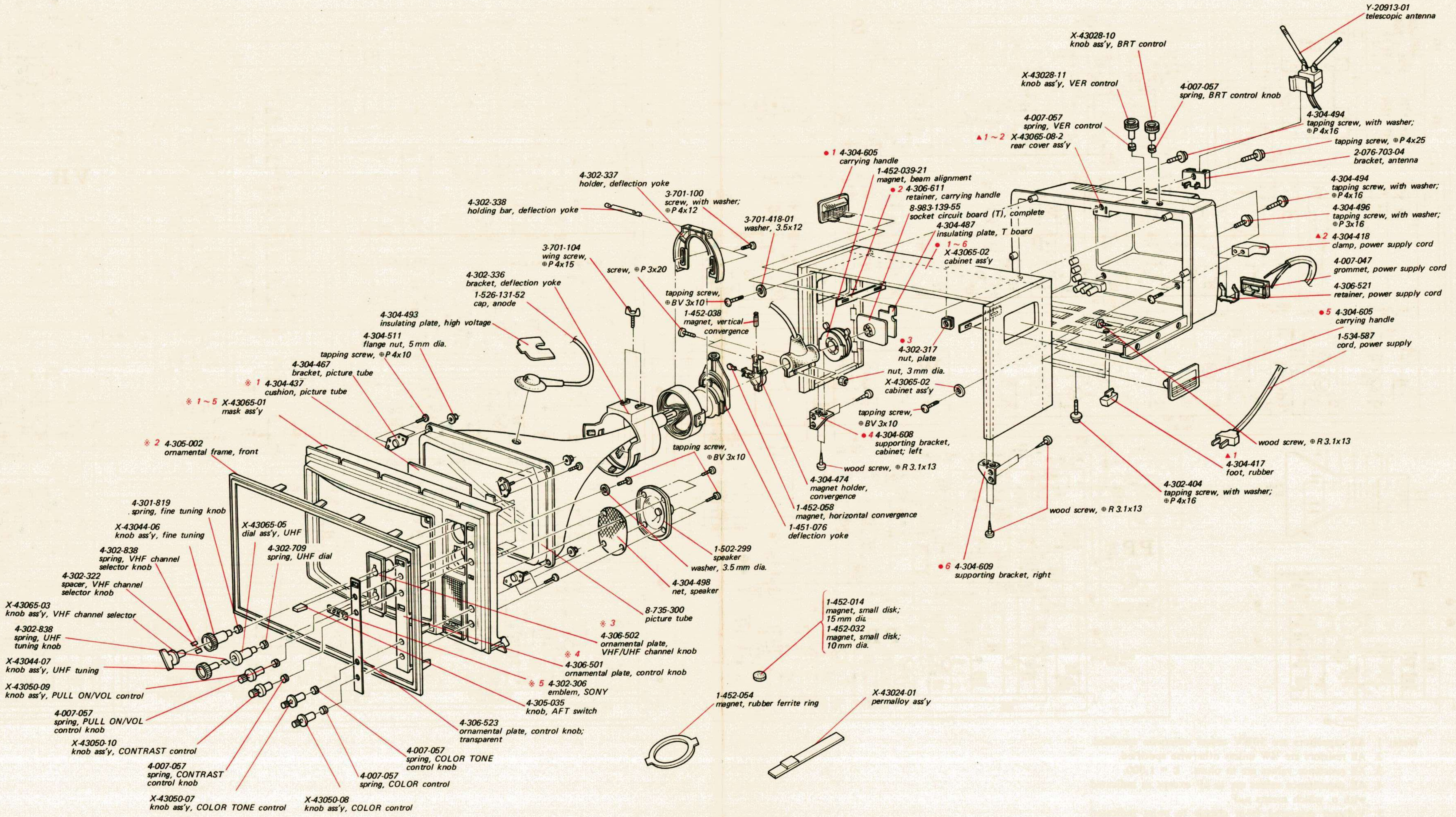
P – Pan Head Screw	SC – Set Screw
PS – Pan Head Screw with Spring Washer	E – Retaining Ring (E Washer)
K – Flat Countersunk Head Screw	W – Washer
B – Binding Head Screw	SW – Spring Washer
RK – Oval Countersunk Head Screw	LW – Lock Washer
T – Truss Head Screw	N – Nut
R – Round Head Screw	
F – Flat Fillister Head Screw	

– Example –

⊕ P 3x10
- Type of Slot
- Length in mm (L)
- Diameter in mm (D)
- Type of Head

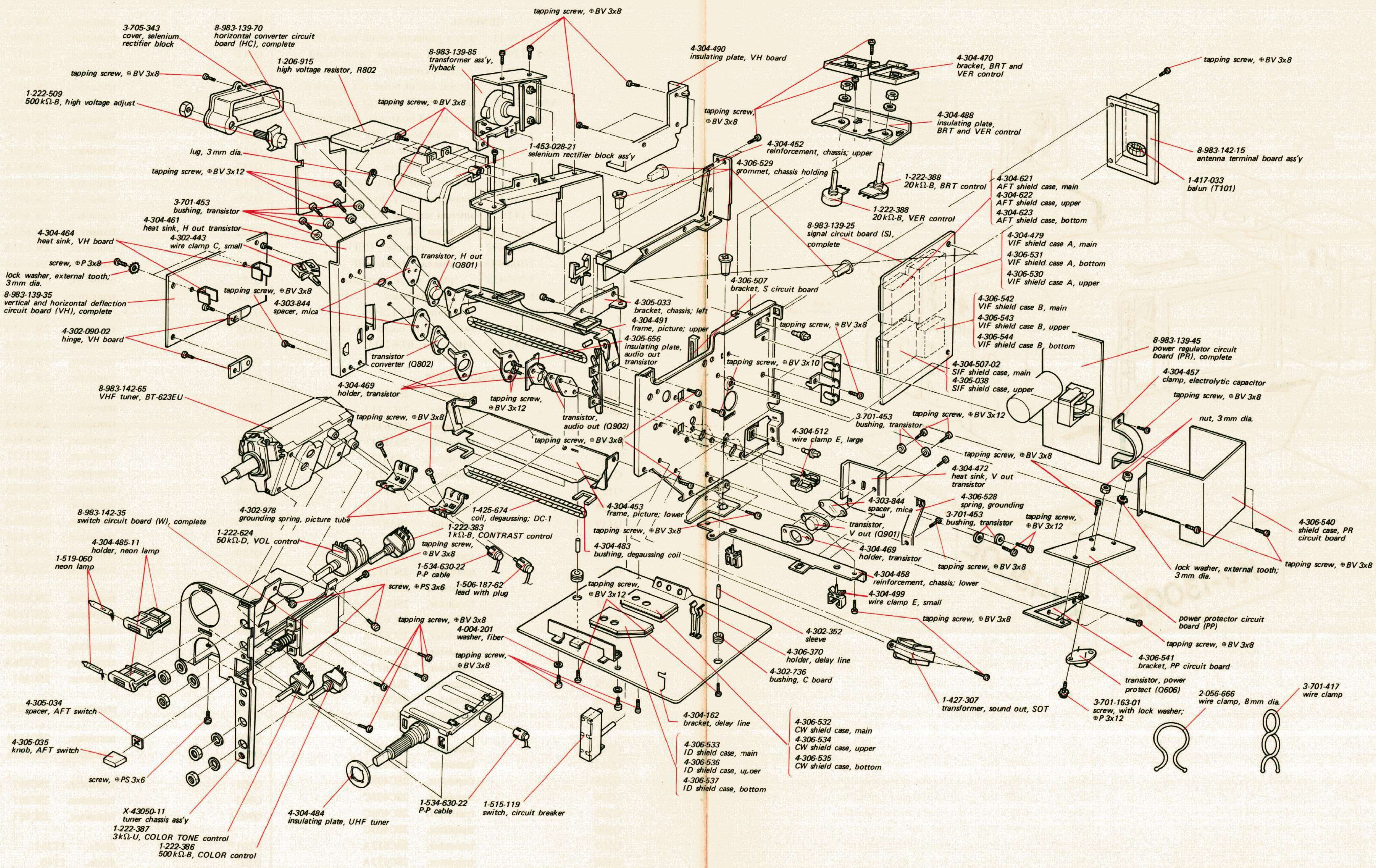
When ordering replacement parts you should use PART NUMBER listed on the Parts List or shown in the Exploded View. The reference number should not be used for ordering purposes.

3-2. EXPLODED VIEW (1)

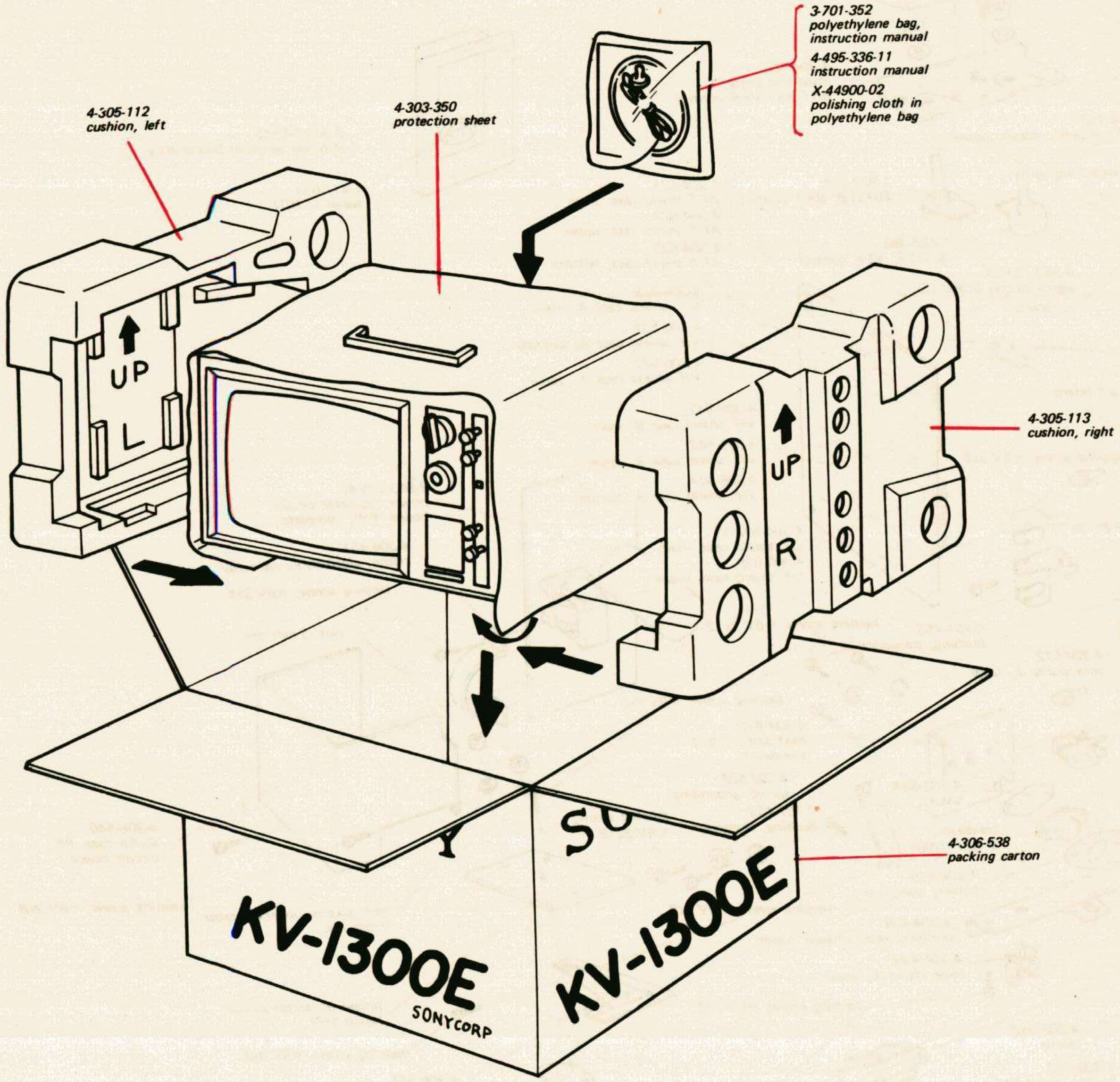


Note: ※ 1 ~ 5: X-43065-01 mask ass'y
▲ 1 ~ 2: X-43065-08-2 rear cover ass'y
● 1 ~ 6: X-43065-02 cabinet ass'y

3-3. EXPLODED VIEW (2)



3-4. PACKING



SECTION 4
ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
		GENERAL
	1-581-599-11	power protector circuit board (PP)
	8-983-139-70	horizontal converter circuit board (HC), complete
	8-983-139-15	chroma circuit board (C), complete
	8-983-139-25	signal circuit board (S), complete
	8-983-139-35	vertical and horizontal deflection circuit board (VH), complete
	8-983-139-45	power regulator circuit board (PR), complete
	8-983-139-55	socket circuit board (T), complete
	8-983-139-85	transformer ass'y, flyback (T801)
	8-983-142-15	antenna terminal board ass'y, including
	1-417-033	balun (T101)
	1-508-492	antenna socket, UHF
	1-508-493	antenna socket, VHF
	3-705-455	plate, antenna terminal
	1-581-591	antenna board
	8-983-142-25	UHF tuner, BT-123
	8-983-142-35	switch circuit board (W), complete
	8-983-142-65	VHF tuner, BT-623EU
		SEMICONDUCTORS
Q151		transistor, 2SC633A
Q152		transistor, 2SC633A
Q153		transistor, 2SC633A
Q154		transistor, 2SC1127
Q155		transistor, 2SA677
Q156		transistor, 2SC1127
Q157		transistor, 2SA677
Q158		transistor, 2SC1127
Q159		transistor, 2SA677
Q201		transistor, 2SC1129
Q202		transistor, 2SC1128
Q203		transistor, 2SC1128
Q204		transistor, 2SC633A
Q205		transistor, 2SC633A
Q206		transistor, 2SC633A
Q207		transistor, 2SC633A
Q208		transistor, 2SA677
Q209		transistor, 2SA677
Q210		transistor, 2SC633A
Q211		transistor, 2SA677
Q301		transistor, 2SC403C
Q302		transistor, 2SC633A
Q303		transistor, 2SC403C
Q304		transistor, 2SC403C
Q305		transistor, 2SC403C
Q306		transistor, 2SC403C
Q307		transistor, 2SC633A
Q308		transistor, 2SC633A

Ref. No.	Part No.	Description
Q309		transistor, 2SC633A
Q310		transistor, 2SC403C
Q311		transistor, 2SA677
Q312		transistor, 2SC403C
Q313		transistor, 2SC403C
Q314		transistor, 2SC633A
Q315		transistor, 2SC403C
Q316		transistor, 2SC403C
Q317		transistor, 2SC403C
Q318		transistor, 2SC633A
Q319		transistor, 2SC633A
Q320		transistor, 2SC403C
Q321		transistor, 2SC403C
Q322		transistor, 2SC633A
Q323		transistor, 2SC633A
Q324		transistor, 2SC633A
Q325		transistor, 2SC633A
Q326		transistor, 2SC633A
Q327		transistor, 2SC633A
Q328		transistor, 2SC633A
Q329		transistor, 2SC633A
Q330		transistor, 2SC633A
Q331		transistor, 2SC633A
Q501		transistor, 2SC633A
Q502		transistor, 2SC633A
Q503		transistor, 2SC633A
Q504		transistor, 2SC1127
Q505		transistor, 2SC1124
Q506		transistor, 2SC633A
Q507		transistor, 2SC633A
Q508		transistor, 2SC926A
Q509		transistor, 2SC1124
Q510		transistor, 2SC633A
Q511		transistor, 2SC926A
Q601		transistor, 2SC633A
Q602		transistor, 2SC1124
Q603		transistor, 2SC633A
Q604		transistor, 2SA677
Q605		transistor, 2SC926A
Q606		transistor, 2SC867
Q751		transistor, 2SC403C
Q801		transistor, 2SC1034
Q802		transistor, 2SC1316
Q901		transistor, 2SC867
Q902		transistor, 2SC867
Q903		transistor, 2SC867
D201		diode, 1T261
D202		diode, 1T40

Ref. No.	*Part No.*	*Description*
D203		diode, 1T40
D204		diode, 1T261
D300		diode, 1T40
D301		diode, 1T40
D302		diode, 1T40
D303		diode, 1T40
D304		diode, 1T40
D305		diode, 1T22A
D306		diode, 1T22
D307		diode, 1T22
D308		diode, 1T22
D309		diode, 1T22
D310		diode, 1T22
D311		diode, 1T22
D312		diode, 1T22
D313		diode, 1T40
D314		diode, 1T22
D315		diode, 1T22
D316		diode, 1T22
D317		diode, 1T22
D318		diode, 1T22
D319		diode, 1T40
D320		diode, 1T22
D321		diode, 1T22
D322		diode, 1T22
D323		diode, 1T22
D324		diode, 1T40
D325		diode, 1T40
D326		diode, 1T40
D327		diode, 1T40
D328		diode, 1T22
D501		diode, 1T22
D502		diode, 1T22
D503		diode, HFSD-1C
D504		diode, SB-2
D505		diode, 1T22A
D506		diode, 1T22A
D507		diode, HFSD-1Z
D508		diode, SB-2
D509		– discarded –
D510		diode, 1T22
D511		diode, 1T40
D512		diode, 1T40
D513		diode, HFSD-1Z
D601		diode, SB-2B
D602		diode, 10D2
D603		diode, UFSD-1A
D604		diode, 10D2
D605		diode, 10D2
D606		diode, 10D2
D607		diode, S-15

Ref. No.	*Part No.*	*Description*
D608		diode, 10D2
D609		diode, MZ-12
D610		– discarded –
D611		– discarded –
D612		– discarded –
D613		diode, SK-1W50
D751		diode, 1T22
D752		diode, 1T22
D753		diode, 1T22
D754		diode, 1T22
D755		diode, 1T22
D756		diode, 1T22
D757		diode, 1T22
D758		diode, 1T22
D801		diode, SB-2C
D802		diode, SB-2B
D803		diode, 10D05
DC801	1-453-028-21	selenium rectifier block ass'y, including
	1-222-509	500 kΩ-B, adjustable; VR801 (High Voltage)
	1-206-915	high voltage resistor, R802
IC201	8-759-424-10	IC, AN241
IC202	1-805-105	IC, M-5134P
Th201	1-800-071	thermistor, TH-350
Th202	1-800-059	thermistor, TH-200
Th502	1-800-069	thermistor, TH-1500
Th601	1-800-081	thermistor, 8KD-7
SR501	1-800-032	varistor, TD-80
SR901	1-800-032	varistor, TD-80
PR901	1-800-080	posistor

COILS

Ref. No.	*Part No.*	*Description*
L151	1-407-165	47μH, micro inductor
L152	1-407-165	47μH, micro inductor
L153	1-407-167	68μH, micro inductor
L154	1-409-193	coil, wave trap; 4.43 MHz
L155	1-407-158	12μH, micro inductor
L156	1-407-158	12μH, micro inductor
L157	1-407-158	12μH, micro inductor
L158	1-407-167	68μH, micro inductor
L201	1-409-214	coil, wave trap; VIFT-T1 40.4 MHz
L202	1-409-215	coil, wave trap; VIFT-T3 31.9 MHz
L203	1-407-184	3.3μH, micro inductor
L204	1-407-184	3.3μH, micro inductor
L205	1-407-184	3.3μH, micro inductor
L206	1-407-184	3.3μH, micro inductor
L207	1-425-504	coil, RF
L208	1-407-190	10μH, micro inductor
L209	1-407-171	150μH, micro inductor
L210	1-407-158	12μH, micro inductor

Ref. No.	*Part No.*	*Description*
L211	1-407-158	12μH, micro inductor
L212	1-407-168	82μH, micro inductor
L213	1-407-186	4.7μH, micro inductor
L214	1-407-557	680μH, micro inductor
L291	1-407-166	56μH, micro inductor
L301	1-425-671	coil, delay adjusting; DAC
L302	1-407-186	4.7μH, micro inductor
L303	1-407-189	8.2μH, micro inductor
L304	1-407-557	680μH, micro inductor
L305	1-407-177	470μH, micro inductor
L306	1-407-204-21	6.8 mH, micro inductor
L307	1-407-166	56μH, micro inductor
L308	1-407-159	15μH, micro inductor
L309	1-407-166	56μH, micro inductor
L310	1-407-177	470μH, micro inductor
L311	1-407-177	470μH, micro inductor
L312	1-407-177	470μH, micro inductor
L313	1-407-164	39μH, micro inductor
L314	1-407-595	6.8 mH, micro inductor
L315	1-407-595	6.8 mH, micro inductor
L320	1-407-186	5.6μH, micro inductor
L321	1-407-186	5.6μH, micro inductor
L322	1-407-188	6.8μH, micro inductor
L501	1-407-552	1.5 mH, micro inductor
L502	1-459-075	3.3 mH, dynamic convergence
L503	1-459-074	6.8 mH, horizontal centering
L504	1-407-346	200μH, spook choke
L505	1-407-553	82μH, line choke
L506	1-407-193-21	680μH, micro inductor
L507	1-407-364	3.3μH, spook choke
L508	1-407-190	10μH, micro inductor
L509	1-407-190	10μH, micro inductor
L515	1-407-364	3.3μH, micro inductor
L601	1-407-364	3.3μH, spook choke
L602	1-407-364	3.3μH, spook choke
L603	1-407-364	3.3μH, spook choke
L604	1-407-364	3.3μH, spook choke
L605	1-407-364	3.3μH, spook choke
L606	1-407-190	10μH, micro inductor
L607	1-407-178	1μH, micro inductor
L610	1-407-364	3.3μH, micro inductor
L611	1-407-364	3.3μH, micro inductor
L751	1-407-164	39μH, micro inductor
L801	1-407-364	3.3μH, spook choke
L802	1-407-364	3.3μH, spook choke
L803	1-407-364	3.3μH, spook choke
L804	1-407-364	3.3μH, spook choke
L805	1-407-364	3.3μH, spook choke
L904	1-425-674	coil, degaussing; DC-1
L905	1-425-674	coil, degaussing; DC-2
L906	1-452-039-21	beam alignment magnet

TRANSFORMERS

Ref. No.	*Part No.*	*Description*
T201	1-403-728	transformer, VIFT-1
T202	1-409-217	coil, wave trap; VIFT-T2 33.4 MHz
T203	1-403-729	transformer, VIFT-2
T204	1-403-841	transformer, VIFT-3
T205	1-403-729	transformer, VIFT-4
T206	1-409-218	coil, wave trap; VIFT-T4 33.4 MHz
T207	1-403-730	transformer, VIFT-5
T208	1-409-235	coil, wave trap; 5.5 MHz
T209	1-403-842	transformer, SIFT-1
T210	1-403-843	transformer, SIFT-3
T211	1-403-810	transformer, AFT T-3
T212	1-403-811	transformer, AFT T-4
T301	1-403-844-21	transformer, take-off; TOT
T302	1-403-845-21	transformer, band pass; BPT-1
T303	1-425-506-21	transformer, band pass; BPT-2
T304	1-405-372-21	transformer, burst amplifier transformer; BAT
T305	1-425-618-21	transformer, cw oscillator; COT-1
T306	1-403-846-21	transformer, band pass; BPT-3
T307	1-425-618-21	transformer, cw oscillator; COT-2
T308	1-403-846-21	transformer, band pass; BPT-4
T501	1-437-030	transformer, horizontal drive; HDT
T502	1-439-097	transformer, horizontal output; HOT
T503	1-435-008	transformer, vertical blocking; VBT
T601	1-421-302-21	transformer, line filter; LFT
T602	1-437-032	transformer, chopper choke; CCH
T603	1-437-033	transformer, chopper drive; CDT
T604	1-441-855	transformer, heater input; HIT
T751	1-425-618	transformer, cw oscillator, COT-3
T901	1-427-307	transformer, sound output; SOT

CAPACITORS

Ref. No.	*Part No.*			*Description*
C101	1-102-238	47pF	±20%	250WV ac, ceramic
C102	1-102-238	47pF	±20%	250WV ac, ceramic
C103	1-102-238	47pF	±20%	250WV ac, ceramic
C104	1-102-238	47pF	±20%	250WV ac, ceramic
C105	1-102-239	470pF	±20%	250WV ac, ceramic
C106	1-102-239	470pF	±20%	250WV ac, ceramic
C107	1-102-239	470pF	±20%	250WV ac, ceramic
C108	1-102-239	470pF	±20%	250WV ac, ceramic
C109	1-121-404	33μF	$\pm^{100}_{10}\%$	25WV, electrolytic
C110	1-121-404	33μF	$\pm^{100}_{10}\%$	25WV, electrolytic
C111	1-121-257	5μF	$\pm^{100}_{10}\%$	15WV, electrolytic
C112	1-121-398	10μF	$\pm^{100}_{10}\%$	25WV, electrolytic
C113	1-121-398	10μF	$\pm^{100}_{10}\%$	25WV, electrolytic
C150	1-121-450	2.2μF	$\pm^{150}_{10}\%$	50WV, electrolytic
C151	1-102-944	7pF	±0.5pF	50WV, ceramic
C152	1-102-820	330pF	±5%	50WV, ceramic

Ref. No.	*Part No.*	*Description*			
C153	1-102-662	7pF	±0.5pF	50WV,	ceramic
C154	1-102-662	7pF	±0.5pF	50WV,	ceramic
C155	1-121-450	2.2μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C156	1-121-726	0.47μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C157	1-121-726	0.47μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C158	1-105-753-12	0.01μF	±10%	200WV,	mylar
C159	1-121-422	220μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C160	1-101-455	1,000pF	±20%	50WV,	ceramic
C161	1-102-098	470pF	±20%	50WV,	ceramic
C162	1-101-455	1,000pF	±20%	50WV,	ceramic
C163	1-102-098	470pF	±20%	50WV,	ceramic
C164	1-101-455	1,000pF	±20%	50WV,	ceramic
C165	1-102-098	470pF	±20%	50WV,	ceramic
C166	1-102-978	220pF	±5%	50WV,	ceramic
C201	1-102-857	6pF	±0.5pF	50WV,	ceramic
C202	1-102-862	3pF	±0.25pF	50WV,	ceramic
C203	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C204	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C205	1-102-935	2pF	±0.25pF	50WV,	ceramic
C206	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C207	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C208	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C209	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C210	1-101-576	1.5pF	±0.25pF	50WV,	ceramic
C211	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C212	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C213	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C214	1-101-552	3.5pF	±0.25pF	50WV,	ceramic
C215	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C216	1-121-402	33μF	$\pm^{100}_{10}$%	10WV,	electrolytic
C217	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C218	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C219	1-121-402	33μF	$\pm^{100}_{10}$%	10WV,	electrolytic
C220	1-102-662	7pF	±0.5pF	50WV,	ceramic
C221	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C222	1-102-935	2pF	±0.25pF	50WV,	ceramic
C223	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C224	1-102-963	33pF	±5%	50WV,	ceramic
C225	1-102-856	5pF	± 0.5pF	50WV,	ceramic
C226	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C227	1-102-947	10pF	±5%	50WV,	ceramic
C228	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C229	1-121-402	33μF	$\pm^{100}_{10}$%	10WV,	electrolytic
C230	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C231	1-121-422	220μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C232	1-102-098	470pF	±20%	50WV,	ceramic
C233	1-121-403	33μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C234	1-121-402	33μF	$\pm^{100}_{10}$%	10WV,	electrolytic
C235	1-121-391	1μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C236	1-108-630-11	0.022μF	±10%	100WV,	mylar
C237	1-121-393	3.3μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C238	1-121-393	3.3μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C239	1-121-403	33μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C240	1-102-940	3pF	±0.5pF	50WV,	ceramic
C241	1-102-940	3pF	±0.5pF	50WV,	ceramic
C242	1-102-947	10pF	±5%	50WV,	ceramic
C243	1-102-951	15pF	±5%	50WV,	ceramic
C244	1-102-942	5pF	±0.5pF	50WV,	ceramic
C245	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C246	1-121-403	33μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C247	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C248	1-102-667	13pF	±5%	50WV,	ceramic
C249	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C250	1-105-713-12	0.01μF	±10%	100WV,	mylar
C251	1-121-415	100μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C252	1-121-398	10μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C253	1-121-398	10μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C254	1-102-947	10pF	±5%	50WV,	ceramic
C255	1-102-942	5pF	± 0.5pF	50WV,	ceramic
C256	1-101-003	0.0047μF	$\pm^{100}_{10}$%	50WV,	ceramic
C257	1-101-003	0.0047μF	$\pm^{100}_{10}$%	50WV,	ceramic
C258	1-101-003	0.0047μF	$\pm^{100}_{10}$%	50WV,	ceramic
C259	1-102-043	1,000pF	$\pm^{200}_{0}$%	500WV,	feed through
C260	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C261	1-101-003	0.0047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C262	1-101-576	1.5pF	±0.25pF	50WV,	ceramic
C263	1-102-525	68pF	±5%	50WV,	ceramic
C264	1-102-774	47pF	±5%	50WV,	ceramic
C291	1-102-098	470pF	±20%	50WV,	ceramic
C301	1-101-002	0.0022μF	$\pm^{100}_{0}$%	50WV,	ceramic
C302	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C303	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C304	1-102-941	4pF	±0.5pF	50WV,	ceramic
C305	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C306	1-121-413	100μF	$\pm^{100}_{10}$%	6.3WV,	electrolytic
C307	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C308	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C309	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C310	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C311	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C312	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C313	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C314	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C315	1-102-850	56pF	±5%	50WV,	ceramic
C316	1-102-978	220pF	±5%	50WV,	ceramic
C317	1-102-978	220pF	±5%	50WV,	ceramic
C318	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C319	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C320	1-101-439	680pF	±20%	50WV,	ceramic
C321	1-101-439	680pF	±20%	50WV,	ceramic
C322	1-102-973	100pF	±5%	50WV,	ceramic
C323	1-101-439	680pF	±20%	50WV,	ceramic
C324	1-102-973	100pF	±5%	50WV,	ceramic
C325	1-101-439	680pF	±20%	50WV,	ceramic
C326	1-121-395	4.7μF	$\pm^{150}_{10}$%	25WV,	electrolytic
C327	1-121-469	10μF	$\pm^{100}_{10}$%	10WV,	electrolytic

Ref. No.	*Part No.*	*Description*			
C328	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C329	1-121-395	4.7μF	$\pm^{150}_{10}$%	25WV,	electrolytic
C330	1-101-002	0.0022μF	$\pm^{100}_{0}$%	50WV,	ceramic
C331	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C332		– discarded –			
C333	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C334	1-121-471	10μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C335	1-102-947	10pF	±5%	50WV,	ceramic
C336	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C337	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C338	1-102-863	82pF	±5%	50WV,	ceramic
C339	1-102-679	120pF	±5%	50WV,	ceramic
C340	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C341	1-121-415	100μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C342	1-121-398	10μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C343	1-121-391	1μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C344	1-102-973	100pF	±5%	50WV,	ceramic
C345	1-102-098	470pF	±20%	50WV,	ceramic
C346	1-102-965	39pF	±5%	50WV,	ceramic
C347	1-102-117	820pF	±10%	50WV,	ceramic
C348	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C349	1-102-941	4pF	±0.5pF	50WV,	ceramic
C350	1-108-634-11	0.047μF	±10%	100WV,	mylar
C351	1-102-676	68pF	±5%	50WV,	ceramic
C352	1-102-941	4pF	±0.5pF	50WV,	ceramic
C353	1-102-949	12pF	±5%	50WV,	ceramic
C354	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C355	1-102-816	120pF	±5%	50WV,	ceramic
C356	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C357	1-121-391	1μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C358	1-101-880	47pF	±5%	50WV,	ceramic
C359	1-102-959	22pF	±5%	50WV,	ceramic
C360	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C361	1-101-002	0.0022μF	$\pm^{100}_{0}$%	50WV,	ceramic
C362	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C363	1-102-965	39pF	±5%	50WV,	ceramic
C364	1-102-676	68pF	±5%	50WV,	ceramic
C365	1-102-965	39pF	±5%	50WV,	ceramic
C366	1-102-961	27pF	±5%	50WV,	ceramic
C367	1-102-961	27pF	±5%	50WV,	ceramic
C368	1-102-959	22pF	±5%	50WV,	ceramic
C369	1-102-959	22pF	±5%	50WV,	ceramic
C370	1-102-961	27pF	±5%	50WV,	ceramic
C371	1-102-959	22pF	±5%	50WV,	ceramic
C372	1-102-961	27pF	±5%	50WV,	ceramic
C373	1-102-959	22pF	±5%	50WV,	ceramic
C374	1-102-961	27pF	±5%	50WV,	ceramic
C375	1-102-953	18pF	±5%	50WV,	ceramic
C376	1-102-953	18pF	±5%	50WV,	ceramic
C377	1-102-961	27pF	±5%	50WV,	ceramic
C378	1-102-959	22pF	±5%	50WV,	ceramic
C379	1-102-961	27pF	±5%	50WV,	ceramic
C380	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C381	1-102-888	68pF	±5%	50WV,	ceramic
C382	1-102-941	4pF	±0.5pF	50WV,	ceramic
C383	1-102-859	75pF	±5%	50WV,	ceramic
C384	1-121-413	100μF	$\pm^{100}_{10}$%	6.3WV,	electrolytic
C385	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C386	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C387	1-105-719-12	0.033μF	±10%	100WV,	mylar
C388	1-105-753-12	0.01μF	±10%	200WV,	mylar
C389	1-121-471	10μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C390	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C391	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C392	1-102-961	27pF	±5%	50WV,	ceramic
C393	1-102-961	27pF	±5%	50WV,	ceramic
C394	1-102-961	27pF	±5%	50WV,	ceramic
C395	1-102-961	27pF	±5%	50WV,	ceramic
C396	1-102-676	68pF	±5%	50WV,	ceramic
C397	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C398	1-102-963	33pF	±5%	50WV,	ceramic
C399	1-101-884	56pF	±5%	50WV,	ceramic
C400	1-102-961	27pF	±5%	50WV,	ceramic
C401	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C402	1-102-888	68pF	±5%	50WV,	ceramic
C403	1-102-941	4pF	±0.5pF	50WV,	ceramic
C404	1-102-859	75pF	±5%	50WV,	ceramic
C405	1-121-413	100μF	$\pm^{100}_{10}$%	6.3WV,	electrolytic
C406	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C407	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C408	1-105-719-12	0.033μF	±10%	100WV,	mylar
C409	1-105-753-12	0.01μF	±10%	200WV,	mylar
C410	1-121-471	10μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C411	1-102-196	0.047μF	$\pm^{100}_{10}$%	50WV,	ceramic
C412	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C413	1-102-961	27pF	±5%	50WV,	ceramic
C414	1-102-961	27pF	±5%	50WV,	ceramic
C415	1-102-961	27pF	±5%	50WV,	ceramic
C416	1-102-961	27pF	±5%	50WV,	ceramic
C417	1-121-409	47μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C418	1-102-820	330pF	±5%	50WV,	ceramic
C419	1-101-439	680pF	±20%	50WV,	ceramic
C420	1-105-725-12	0.1μF	±10%	200WV,	mylar
C421	1-121-398	10μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C422	1-105-725-12	0.1μF	±10%	200WV,	mylar
C423	1-121-726	0.47μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C424	1-121-726	0.47μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C425	1-105-725-12	0.1μF	±10%	200WV,	mylar
C426	1-105-725-12	0.1μF	±10%	200WV,	mylar
C427	1-101-439	680pF	±20%	50WV,	ceramic
C428	1-102-820	330pF	±5%	50WV,	ceramic
C429	1-121-395	4.7μF	$\pm^{150}_{10}$%	25WV,	electrolytic
C430	1-121-726	0.47μF	$\pm^{150}_{10}$%	50WV,	elecyrolytic
C431	1-105-705-12	0.0022μF	±10%	100WV,	mylar
C432	1-105-725-12	0.1μF	±10%	200WV,	mylar
C433	1-101-455	0.001μF	±20%	50WV,	ceramic
C434	1-101-455	0.001μF	±20%	50WV,	ceramic
C435	1-121-391	1μF	$\pm^{150}_{10}$%	50WV,	electrolytic

Ref. No.	*Part No.*	*Description*			
C450	1-101-455	0.001μF	±20%	50WV,	ceramic
C451	1-101-455	0.001μF	±20%	50WV,	ceramic
C501	1-102-947	10pF	±5%	50WV,	ceramic
C502	1-108-632-11	0.033μF	±10%	100WV,	mylar
C503	1-108-632-11	0.033μF	±10%	100WV,	mylar
C504	1-121-391	1μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C505	1-108-634-11	0.047μF	±10%	100WV,	mylar
C506	1-121-395	4.7μF	$\pm^{150}_{10}$%	25WV,	electrolytic
C507	1-108-638-11	0.1μF	±10%	100WV,	mylar
C508	1-121-405	33μF	$\pm^{100}_{10}$%	50WV,	electrolytic
C509	1-106-212-12	0.047μF	±5%	100WV,	mylar
C510	1-106-188-12	0.0047μF	±5%	100WV,	mylar
C511	1-106-184-12	0.0033μF	±5%	100WV,	mylar
C512	1-108-638-11	0.1μF	±10%	100WV,	mylar
C513	1-121-246	4.7μF	$\pm^{100}_{10}$%	160WV,	electrolytic
C514	1-102-038	0.001μF	$\pm^{100}_{0}$%	500WV,	ceramic
C515	1-108-634-11	0.047μF	±10%	100WV,	mylar
C516	1-121-708	10μF	$\pm^{100}_{10}$%	160WV,	electrolytic
C517	1-102-219	680pF	±20%	1kWV,	ceramic
C518	1-105-729-13	0.22μF	±10%	200WV,	mylar
C519	1-108-549-11	0.68μF	±10%	200WV,	mylar
C520	1-121-921	10μF	$\pm^{100}_{10}$%	160WV,	electrolytic
C521	1-121-918	4.7μF	$\pm^{100}_{10}$%	100WV,	electrolytic
C522	1-121-919	47μF	$\pm^{100}_{10}$%	160WV,	electrolytic
C523	1-121-416	100μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C524	1-121-396	4.7μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C525	1-101-810	100pF	±5%	500WV,	ceramic
C526	1-108-634-11	0.047μF	±10%	100WV,	mylar
C527	1-121-405	33μF	$\pm^{100}_{10}$%	50WV,	electrolytic
C528	1-121-738	10μF	$\pm^{100}_{10}$%	50WV,	electrolytic
C529	1-108-626-11	0.01μF	±10%	100WV,	mylar
C530	1-108-626-11	0.01μF	±10%	100WV,	mylar
C531	1-131-158	10μF	±20%	16WV,	electrolytic
C532	1-121-479	22μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C533	1-127-024	2.2μF	±20%	10WV,	electrolytic (alox)
C534	1-121-391	1μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C535	1-121-917	20μF	±20%	100WV,	electrolytic
C536	1-101-006	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C537	1-121-409	47μF	$\pm^{100}_{10}$%	16WV,	electrolytic
C538	1-121-450	2.2μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C539	1-121-450	2.2μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C540	1-121-751	330μF	$\pm^{100}_{10}$%	6.3WV,	electrolytic
C541	1-102-002	680pF	±10%	500WV,	ceramic
C542	1-105-751-12	0.0068μF	±10%	200WV,	mylar
C543		– discarded –			
C544		– discarded –			
C545	1-102-973	100pF	±5%	50WV,	ceramic
C546	1-102-973	100pF	±5%	50WV,	ceramic
C547		– discarded –			
C548	1-102-153	100pF	±20%	2kWV,	ceramic
C549	1-101-810	100pF	±5%	500WV,	ceramic
C550	1-102-973	100pF	±5%	50WV,	ceramic

Ref. No.	*Part No.*	*Description*			
C551	1-102-074	0.001μF	±10%	50WV,	ceramic
C552	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C553		– discarded –			
C554		– discarded –			
C555		– discarded –			
C556	1-102-978	220pF	±5%	50WV,	ceramic
C557	1-108-632-11	0.033μF	±10%	100WV,	mylar
C558	1-121-398	10μF	$\pm^{100}_{10}$%	25WV,	electrolytic
C559	1-101-004	0.01μF	$\pm^{100}_{0}$%	50WV,	ceramic
C601	1-115-101-21	0.1μF	±20%	450WV,	oil tubler
C602	1-102-240	0.0047	±20%	250WV,	ceramic
C603	1-123-022	22μF	$\pm^{100}_{10}$%	350WV,	electrolytic
C604	1-125-080	220μF + 47 μF		375WV,	electrolytic
C605		– discarded –			
C606	1-121-919	47μF	$\pm^{100}_{10}$%	160WV,	electrolytic
C607	1-106-180-12	0.0022μF	±5%	100WV,	mylar
C608	1-121-189	1μF	$\pm^{150}_{10}$%	160WV,	electrolytic
C609	1-101-810	100pF	±5%	500WV,	ceramic
C610	1-105-741-12	0.001μF	±20%	200WV,	mylar
C611	1-121-395	4.7μF	$\pm^{150}_{10}$%	25WV,	electrolytic
C612	1-106-212-12	0.047μF	±5%	100WV,	mylar
C613	1-105-801-13	0.047μF	±10%	400WV,	mylar
C614	1-105-801-13	0.047μF	±10%	400WV,	mylar
C615		– discarded –			
C616	1-121-391	1μF	$\pm^{150}_{10}$%	50WV,	electrolytic
C617	1-101-810	100pF	±5%	500WV,	ceramic
C618	1-102-014	0.001μF	±10%	50WV,	ceramic
C630	1-102-085	0.0047μF	±20%	500WV,	ceramic
C701	1-119-327	0.47μF	$\pm^{150}_{10}$%	500WV,	electrolytic
C702	1-102-050	0.01μF	±20%	500WV,	ceramic
C751	1-102-961	27pF	±5%	50WV,	ceramic
C752	1-102-961	27pF	±5%	50WV,	ceramic
C753	1-102-961	27pF	±5%	50WV,	ceramic
C754	1-102-961	27pF	±5%	50WV,	ceramic
C755	1-101-455	1,000pF	±20%	50WV,	ceramic
C756	1-102-676	68pF	±5%	50WV,	ceramic
C757	1-102-196	0.047μF	$\pm^{100}_{0}$%	50WV,	ceramic
C758		– discarded –			
C759	1-101-884	56pF	±5%	50WV,	ceramic
C760	1-102-961	27pF	±5%	50WV,	ceramic
C761	1-102-961	27pF	±5%	50WV,	ceramic
C762	1-102-961	27pF	±5%	50WV,	ceramic
C763	1-102-961	27pF	±5%	50WV,	ceramic
C764	1-101-455	1,000pF	±20%	50WV,	ceramic
C801	1-129-864	16,000pF	±5%	1,000WV,	film
C802	1-129-859	7,500pF	±5%	1,500WV,	film
C803		– discarded –			
C804	1-102-155	330pF	±20%	2kWV,	ceramic
C805	1-102-219	680pF	±20%	1kWV,	ceramic
C806	1-102-038	0.001μF	$\pm^{100}_{0}$%	500WV,	ceramic
C807	1-102-820	330pF	±5%	50WV,	ceramic

Ref. No.	Part No.	Description			
C808	1-102-038	0.001μF	$\pm^{100}_{0}$%	500WV,	ceramic
C809	1-102-038	0.001μF	$\pm^{100}_{0}$%	500WV,	ceramic
C810	1-102-153	100pF	±20%	2kV,	ceramic
C901	1-105-793-13	0.01μF	±10%	400WV,	mylar
SG701	1-519-063	spark gap, 1.5kV			
SG702	1-519-063	spark gap, 1.5kV			
SG703	1-519-063	spark gap, 1.5kV			
SG704	1-519-063	spark gap, 1.5kV			
SG705	1-519-063	spark gap, 1.5kV			
VC201	1-141-138	1 ~ 5pF, trimmer			

RESISTORS

Resistors are ±5%, RD¼H carbon unless otherwise specified.

Ref. No.	Part No.	Description	
R151	1-244-684	3 kΩ	
R152	1-244-663	390 Ω	
R153	1-244-679	1.8 kΩ	
R154	1-244-657	220 Ω	
R155	1-244-661	330 Ω	
R156	1-244-679	1.8 kΩ	
R157	1-244-673	1 kΩ	
R158	1-244-661	330 Ω	
R159	1-244-673	1 kΩ	
R160	1-244-709	33 kΩ	
R161	1-244-713	47 kΩ	
R162	1-244-711	39 kΩ	
R163	1-244-713	47 kΩ	
R164	1-244-705	22 kΩ	
R165	1-244-725	150 kΩ	
R166	1-244-665	470 Ω	
R167	1-244-677	1.5 kΩ	
R168	1-244-657	220 Ω	
R169	1-244-649	100 Ω	
R170	1-206-104	10 kΩ	1W, metal oxide
R171	1-244-673	1 kΩ	
R172	1-244-661	330 Ω	
R173	1-244-683	2.7 kΩ	
R174	1-206-104	10 kΩ	1W, metal oxide
R175	1-244-673	1 kΩ	
R176	1-244-661	330 Ω	
R177	1-244-683	2.7 kΩ	
R178	1-206-104	10 kΩ	1W, metal oxide
R179	1-244-673	1 kΩ	
R180	1-244-661	330 Ω	
R181	1-244-683	2.7 kΩ	
R201	1-244-622	7.5 Ω	
R202	1-244-637	33 Ω	
R203	1-244-617	4.7 Ω	
R204	1-244-637	33 Ω	
R205	1-244-663	390 Ω	
R206	1-244-681	2.2 kΩ	
R207	1-244-667	560 Ω	
R208	1-244-679	1.8 kΩ	
R209	1-244-695	8.2 kΩ	
R210	1-244-663	390 Ω	
R211	1-244-689	4.7 kΩ	
R212	1-244-667	560 Ω	
R213	1-244-689	4.7 kΩ	
R214	1-244-679	1.8 kΩ	
R215	1-244-689	4.7 kΩ	
R216	1-244-667	560 Ω	
R217	1-242-657	220 Ω	RD¼V
R218	1-244-694	7.5 kΩ	
R219	1-244-675	1.2 kΩ	
R220	1-244-691	5.6 kΩ	
R221	1-244-669	680 Ω	
R222	1-244-673	1 kΩ	
R223	1-244-699	12 kΩ	
R224	1-244-661	330 Ω	
R225	1-244-669	680 Ω	
R226	1-244-665	470 Ω	
R227	1-244-697	10 kΩ	
R228	1-244-649	100 Ω	
R229	1-244-673	1 kΩ	
R230	1-244-691	5.6 kΩ	
R231	1-244-659	270 Ω	
R232	1-244-697	10 kΩ	
R233	1-244-673	1 kΩ	
R234	1-244-657	220 Ω	
R235	1-244-677	1.5 kΩ	
R236	1-244-649	100 Ω	
R237	1-244-649	100 Ω	
R238	1-244-721	100 kΩ	
R239	1-244-689	4.7 kΩ	
R240	1-244-683	2.7 kΩ	
R241	1-244-665	470 Ω	
R242	1-244-707	27 kΩ	
R243	1-244-658	240 Ω	
R244	1-244-662	360 Ω	
R245	1-244-663	390 Ω	
R246	1-244-697	10 kΩ	
R247	1-244-673	1 kΩ	
R248	1-244-682	2.4 kΩ	
R249	1-244-705	22 kΩ	
R250	1-244-643	56 Ω	
R251	1-244-649	100 Ω	
R252	1-244-679	1.8 kΩ	
R253	1-244-705	22 kΩ	
R254	1-244-684	3 kΩ	
R255	1-244-649	100 Ω	
R256	1-244-697	10 kΩ	
R257	1-244-697	10 kΩ	
R258	1-244-673	1 kΩ	
R259	1-244-689	4.7 kΩ	
R260	1-217-025	33 Ω	3W, cement coated

Ref. No.	*Part No.*	*Description*	
R261	1-217-027	47Ω	3W, cement coated
R262		– discarded –	
R263	1-244-857	220Ω	RD½H
R264	1-244-859	270Ω	RD½H
R265	1-244-685	3.3 kΩ	
R266	1-244-673	1 kΩ	
R267	1-244-673	1 kΩ	
R268	1-244-704	20 kΩ	
R291	1-244-677	1.5 kΩ	
R292	1-244-685	3.3 kΩ	
R293	1-244-661	330Ω	
R294	1-244-645	68Ω	
R295	1-244-651	120Ω	
R301	1-244-659	270Ω	
R302	1-244-669	680Ω	
R303	1-244-699	12 kΩ	
R304	1-244-689	4.7 kΩ	
R305	1-244-655	180Ω	
R306	1-244-669	680Ω	
R307	1-244-681	2.2 kΩ	
R308	1-244-655	180Ω	
R309	1-244-673	1 kΩ	
R310	1-244-649	100Ω	
R311	1-244-655	180Ω	
R312	1-244-657	220Ω	
R313	1-244-705	22 kΩ	
R314	1-244-697	10 kΩ	
R315	1-244-681	2.2 kΩ	
R316	1-244-653	150Ω	
R317	1-244-653	150Ω	
R318	1-244-693	6.8 kΩ	
R319	1-244-701	15 kΩ	
R320	1-244-661	330Ω	
R321	1-244-641	47Ω	
R322	1-244-673	1 kΩ	
R323	1-244-669	680Ω	
R324	1-244-677	1.5 kΩ	
R325	1-244-693	6.8 kΩ	
R326	1-244-693	6.8 kΩ	
R327	1-244-681	2.2 kΩ	
R328	1-244-713	47 kΩ	
R329	1-244-653	150Ω	
R330	1-244-681	2.2 kΩ	
R331	1-244-655	180Ω	
R332	1-244-897	10 kΩ	RD½H
R333	1-244-699	12 kΩ	
R334	1-244-721	100 kΩ	
R335	1-244-673	1 kΩ	
R336	1-244-705	22 kΩ	
R337	1-244-705	22 kΩ	
R338	1-244-673	1 kΩ	
R339	1-244-721	100 kΩ	
R340	1-244-653	150Ω	

Ref. No.	*Part No.*	*Description*
R341	1-244-701	15 kΩ
R342	1-244-715	56 kΩ
R343	1-244-667	560Ω
R344	1-244-695	8.2 kΩ
R345	1-244-681	2.2 kΩ
R346	1-244-625	10Ω
R347	1-244-677	1.5 kΩ
R348		– discarded –
R349	1-244-713	47 kΩ
R350	1-244-675	1.2 kΩ
R351	1-244-653	150Ω
R352	1-244-707	27 kΩ
R353	1-244-683	2.7 kΩ
R354	1-244-653	150Ω
R355	1-244-621	6.8Ω
R356	1-244-661	330Ω
R357	1-244-653	150Ω
R358	1-244-659	270Ω
R359	1-244-653	150Ω
R360	1-244-675	1.2 kΩ
R361	1-244-685	3.3 kΩ
R362	1-244-709	33 kΩ
R363	1-244-733	330 kΩ
R364	1-244-693	6.8 kΩ
R365	1-244-681	2.2 kΩ
R366	1-244-697	10 kΩ
R367	1-244-661	330Ω
R368	1-244-681	2.2 kΩ
R369	1-244-661	330Ω
R370	1-244-659	270Ω
R371	1-244-653	150Ω
R372	1-244-707	27 kΩ
R373	1-244-689	4.7 kΩ
R374	1-244-677	1.5 kΩ
R375	1-244-625	10Ω
R376	1-244-661	330Ω
R377	1-244-671	820Ω
R378	1-244-653	150Ω
R379	1-244-701	15 kΩ
R380	1-244-685	3.3 kΩ
R381	1-244-675	1.2 kΩ
R382	1-244-637	33Ω
R383	1-244-661	330Ω
R384	1-244-711	39 kΩ
R385	1-244-681	2.2 kΩ
R386	1-244-647	82Ω
R387	1-244-673	1 kΩ
R388	1-244-689	4.7 kΩ
R389	1-244-673	1 kΩ
R390	1-244-689	4.7 kΩ
R391	1-244-677	1.5 kΩ
R392	1-244-673	1 kΩ
R393	1-244-689	4.7 kΩ
R394	1-244-677	1.5 kΩ

Ref. No.	Part No.	Description	
R395	1-244-673	1 kΩ	
R396	1-244-689	4.7 kΩ	
R397	1-244-687	3.9 kΩ	
R398	1-244-673	1 kΩ	
R399	1-244-689	4.7 kΩ	
R400	1-244-687	3.9 kΩ	
R401	1-244-673	1 kΩ	
R402	1-244-689	4.7 kΩ	
R403	1-244-699	12 kΩ	
R404	1-244-717	68 kΩ	
R405	1-244-705	22 kΩ	
R406	1-244-721	100 kΩ	
R407	1-244-697	10 kΩ	
R408	1-244-657	220 Ω	
R409	1-244-669	680 Ω	
R410	1-244-681	2.2 kΩ	
R411	1-244-697	10 kΩ	
R412	1-244-715	56 kΩ	
R413	1-244-713	47 kΩ	
R414	1-244-653	150 Ω	
R415	1-244-679	1.8 kΩ	
R416	1-244-669	680 Ω	
R417	1-244-735	390 kΩ	
R418	1-244-705	22 kΩ	
R419	1-244-677	1.5 kΩ	
R420	1-244-705	22 kΩ	
R421	1-244-713	47 kΩ	
R422	1-244-697	10 kΩ	
R423	1-244-673	1 kΩ	
R424	1-244-673	1 kΩ	
R425	1-244-699	12 kΩ	
R426	1-244-699	12 kΩ	
R427	1-244-673	1 kΩ	
R428	1-244-673	1 kΩ	
R429	1-244-699	12 kΩ	
R430	1-244-699	12 kΩ	
R431	1-244-695	8.2 kΩ	
R432	1-244-655	180 Ω	
R433	1-244-657	220 Ω	
R434	1-244-713	47 kΩ	
R435	1-244-697	10 kΩ	
R436	1-244-681	2.2 kΩ	
R437	1-244-721	100 kΩ	
R438	1-244-721	100 kΩ	
R439	1-244-699	12 kΩ	
R440	1-244-717	68 kΩ	
R441	1-244-705	22 kΩ	
R442	1-244-721	100 kΩ	
R443	1-244-697	10 kΩ	
R444	1-244-657	220 Ω	
R445	1-244-669	680 Ω	
R446	1-244-681	2.2 kΩ	
R447	1-244-697	10 kΩ	
R448	1-244-715	56 kΩ	
R449	1-244-713	47 kΩ	
R450	1-244-653	150 Ω	
R451	1-244-679	1.8 kΩ	
R452	1-244-669	680 Ω	
R453	1-244-735	390 kΩ	
R454	1-244-705	22 kΩ	
R455	1-244-677	1.5 kΩ	
R456	1-244-705	22 kΩ	
R457	1-244-713	47 kΩ	
R458	1-244-697	10 kΩ	
R459	1-244-673	1 kΩ	
R460	1-244-673	1 kΩ	
R461	1-244-699	12 kΩ	
R462	1-244-699	12 kΩ	
R463	1-244-673	1 kΩ	
R464	1-244-673	1 kΩ	
R465	1-244-699	12 kΩ	
R466	1-244-699	12 kΩ	
R467	1-244-693	6.8 kΩ	
R468	1-244-673	1 kΩ	
R469	1-244-673	1 kΩ	
R470	1-244-657	220 Ω	
R471	1-244-685	3.3 kΩ	
R472	1-244-721	100 kΩ	
R473	1-244-673	1 kΩ	
R474	1-244-709	33 kΩ	
R475	1-244-687	3.9 kΩ	
R476	1-244-709	33 kΩ	
R477	1-244-721	100 kΩ	
R478	1-244-673	1 kΩ	
R479	1-244-663	390 Ω	
R480	1-244-705	22 kΩ	
R481	1-244-705	22 kΩ	
R482	1-244-701	15 kΩ	
R483	1-244-695	8.2 kΩ	
R484	1-244-701	15 kΩ	
R485	1-244-709	33 kΩ	
R486	1-244-681	2.2 kΩ	
R487	1-244-685	3.3 kΩ	
R488	1-244-697	10 kΩ	
R489	1-244-697	10 kΩ	
R490	1-244-697	10 kΩ	
R491	1-244-697	10 kΩ	
R492	1-244-683	2.7 kΩ	
R501	1-244-693	6.8 kΩ	
R502	1-244-701	15 kΩ	
R503	1-244-665	470 Ω	
R504	1-244-663	390 Ω	
R505	1-244-660	300 Ω	
R506	1-244-687	3.9 kΩ	
R507	1-244-687	3.9 kΩ	
R508	1-206-017	1.8 kΩ	2W, metal oxide
R509	1-244-697	10 kΩ	

Ref. No.	Part No.	Description	
R510	1-244-703	18 kΩ	
R511	1-244-667	560 Ω	
R512	1-244-671	820 Ω	
R513	1-244-693	6.8 kΩ	
R514	1-244-685	3.3 kΩ	
R515	1-244-669	680 Ω	
R516	1-244-649	100 Ω	
R517	1-244-696	9.1 kΩ	
R518	1-244-669	680 Ω	
R519	1-211-451	1 kΩ	⅛W
R520	1-244-675	1.2 kΩ	
R521		– discarded –	
R522		– discarded –	
R523	1-202-792	22 kΩ	RC1H, composition
R524	1-207-903	10 Ω	0.25A, fuse
R525		– discarded –	
R526	1-244-683	2.7 kΩ	
R527	1-206-109	27 kΩ	1W, metal oxide
R528	1-244-681	2.2 kΩ	
R529	1-207-241	5 Ω	0.65A, fuse
R530	1-207-982	2.7 Ω	0.65A, fuse
R531	1-244-893	6.8 kΩ	RD½H
R532	1-244-715	56 kΩ	
R533	1-244-691	5.6 kΩ	
R534	1-244-679	1.8 kΩ	
R535	1-244-679	1.8 kΩ	
R536	1-244-705	22 kΩ	
R537	1-244-705	22 kΩ	
R538	1-244-699	12 kΩ	
R539	1-244-701	15 kΩ	
R540	1-244-691	5.6 kΩ	
R541	1-244-637	33 Ω	
R542	1-244-689	4.7 kΩ	
R543	1-244-625	10 Ω	
R544	1-244-679	1.8 kΩ	
R545	1-244-713	47 kΩ	
R546	1-244-673	1 kΩ	
R547	1-244-715	56 kΩ	
R548	1-244-691	5.6 kΩ	
R549	1-207-471	4.7 Ω	½W, wire wound
R550	1-244-633	22 Ω	
R551	1-244-689	4.7 kΩ	
R552	1-202-794	33 kΩ	RC1H, composition
R553	1-244-691	5.6 kΩ	
R554	1-244-901	15 kΩ	RD½H
R555	1-244-687	3.9 kΩ	
R556	1-244-729	220 kΩ	
R557	1-244-717	68 kΩ	
R558	1-244-829	15 Ω	RD½H
R559	1-244-675	1.2 kΩ	
R560	1-244-671	820 Ω	
R561	1-244-873	1 kΩ	RD½H
R562		– discarded –	
R563	1-244-897	10 kΩ	RD½H

Ref. No.	Part No.	Description	
R564	1-244-901	15 kΩ	RD½H
R565	1-244-899	12 kΩ	RD½H
R566	1-211-932	27 Ω	⅛W
R567	1-244-705	22 kΩ	
R568	1-244-681	2.2 kΩ	
R569	1-244-697	10 kΩ	
R570	1-244-709	33 kΩ	
R571	1-244-671	820 Ω	
R572	1-244-667	560 Ω	
R573	1-206-080	82 Ω	1W, metal oxide
R574	1-206-688	10 kΩ	2W, metal oxide
R601	1-207-657	10 Ω	3W, wire wound
R602		– discarded –	
R603	1-207-657	10 Ω	3W, wire wound
R604	1-206-823	33 kΩ	5W, metal oxide
R605	1-244-865	470 Ω	RD½H
R606	1-244-885	3.3 kΩ	RD½H
R607	1-244-691	5.6 kΩ	
R608	1-206-483	68 Ω	2W, metal oxide
R609	1-244-714	51 kΩ	
R610	1-244-685	3.3 kΩ	
R611	1-244-901	15 kΩ	RD½H
R612	1-244-689	4.7 kΩ	
R613	1-244-689	4.7 kΩ	
R614	1-244-693	6.8 kΩ	
R615	1-244-669	680 Ω	
R616	1-206-741	4.7 kΩ	3W, metal oxide
R617	1-244-689	4.7 kΩ	
R618	1-206-698	27 kΩ	2W, metal oxide
R619	1-244-685	3.3 kΩ	
R620	1-206-700	33 kΩ	2W, metal oxide
R621	1-244-686	3.6 kΩ	
R622	1-211-931	68 Ω	⅛W
R623	1-244-865	470 Ω	RD½H
R624	1-244-903	18 kΩ	RD½H
R625	1-244-699	12 kΩ	
R626	1-244-891	5.6 kΩ	RD½H
R627	1-244-661	330 Ω	
R628	1-207-942	39 Ω	7W, wire wound
R701	1-202-581	2.2 kΩ	RC½H, composition
R702	1-202-581	2.2 kΩ	RC½H, composition
R703	1-202-629	220 kΩ	RC½H, composition
R704	1-202-800	100 kΩ	RC1H, composition
R705	1-202-635	390 kΩ	RC½H composition
R706	1-202-581	2.2 kΩ	RC½H, composition
R707	1-202-603	18 kΩ	RC½H, composition
R708	1-202-808	470 kΩ	RC1H, composition
R751	1-244-673	1 kΩ	
R752	1-244-673	1 kΩ	
R753	1-244-699	12 kΩ	
R754	1-244-699	12 kΩ	
R755	1-244-673	1 kΩ	

Ref. No.	Part No.	Description	
R756	1-244-673	1 kΩ	
R757	1-244-699	12 kΩ	
R758	1-244-699	12 kΩ	
R759	1-244-697	10 kΩ	
R760	1-244-657	220 Ω	
R761	1-244-655	180 Ω	
R762	1-244-713	47 kΩ	
R763	1-244-697	10 kΩ	
R764	1-244-681	2.2 kΩ	
R765	1-244-673	1 kΩ	
R766	1-244-673	1 kΩ	
R767	1-244-699	12 kΩ	
R768	1-244-699	12 kΩ	
R769	1-244-673	1 kΩ	
R770	1-244-673	1 kΩ	
R771	1-244-699	12 kΩ	
R772	1-244-699	12 kΩ	
R773	1-244-697	10 kΩ	
R774	1-244-695	8.2 kΩ	
R801	1-250-895	8.2 kΩ	RD½H
* R803	1-206-918	2.7 Ω	3W, metal film
* R803	1-206-921	4.7 Ω	3W, metal film
* R803	1-206-922	5.6 Ω	3W, metal film
* R804	1-206-925	10 Ω	3W, metal film
* R804	1-206-927	15 Ω	3W, metal film
* R804	1-206-928	18 Ω	3W, metal film
* R804	1-206-929	22 Ω	3W, metal film
R805	1-202-788	10 kΩ	RC1H, composition
R806	1-217-007	1 Ω	3W, cement coated
R901	1-205-483	10 Ω	10W, cement coated
R902	1-244-661	330 Ω	
VR151	1-222-515	330 Ω-B,	adjustable (B drive control)
VR152	1-222-344	5 kΩ-B,	adjustable (B BKG control)
VR153	1-222-515	330 Ω-B,	adjustable (R drive control)
VR154	1-222-344	5 kΩ-B,	adjustable (R BKG control)
VR155	1-222-515	330 Ω-B,	adjustable (G drive control)
VR156	1-222-344	5 kΩ-B,	adjustable (G BKG control)
VR201	1-222-516	470 Ω-B,	adjustable (tuner AGC control)
VR202	1-222-516	470 Ω-B,	adjustable (trap control)
VR203	1-222-517	1 kΩ-B,	adjustable (IF AGC control)
VR204	1-222-518	4.7 kΩ-B,	adjustable (UHF RF AGC control)
VR301	1-222-515	330 Ω-B,	adjustable (DL GAIN control)
VR302	1-222-517	1 kΩ-B,	adjustable (ACC control)
VR303	1-222-518	4.7 kΩ,	adjustable (COLOR TONE control)
VR304	1-222-517	1 kΩ-B,	adjustable (AGC-1 control)
VR305	1-222-517	1 kΩ-B,	adjustable (AGC-2 control)

Ref. No.	Part No.	Description	
VR306	1-222-786	22 kΩ-B,	adjustable (ID SETTING control)
VR501	1-222-725	20 kΩ-B,	adjustable (H FREQ control)
VR502	1-223-017	50 Ω-B,	adjustable (TILT control)
VR503	1-223-017	50 Ω-B,	adjustable (H CENT control)
VR504	1-222-725	20 kΩ-B,	adjustable (PIN control)
VR505	1-222-344	5 kΩ-B,	adjustable (H SIZE control)
VR506	1-222-512	10 kΩ-B,	adjustable (V SIZE control)
VR507	1-222-512	10 kΩ-B,	adjustable (V LIN control)
VR508	1-222-784	3.3 kΩ-B,	adjustable (V BIAS control)
VR601	1-222-517	1 kΩ-B,	adjustable (110V control)
VR602	1-222-518	4.7 kΩ-B,	adjustable (PP control)
VR701	1-222-809	500 kΩ-B,	adjustable (SCRN control)
VR801	1-222-509	500 kΩ-B,	adjustable (H STAT control)
VR901	1-222-383	1 kΩ-B,	variable (CONTRAST control)
VR902	1-222-388	20 kΩ-B,	variable (VER control)
VR903	1-222-624	50 kΩ-D,	variable (VOL control)
VR904	1-222-388	20 kΩ-B,	variable (BRT control)
VR905	1-222-387	3 kΩ-U,	variable (COLOR TONE control)
VR906	1-222-386	500 Ω-B,	variable (COLOR control)
		MISCELLANEOUS	
DL151	1-415-047	delay line	
DL301	1-415-046	delay line	
DY	1-451-076-11	deflection yoke	
	1-452-014	magnet, small disk; 15 mm dia.	
	1-452-032	magnet, small disk; 10 mm dia.	
	1-452-038	magnet, vertical convergence	
	1-452-054	magnet, rubber ferrite ring	
	1-452-058	magnet, horizontal convergence	
	1-502-299	speaker	
	1-506-187-62	lead, with plug	
	1-514-897	pushswitch, AFT	
S902	1-515-119	switch, circuit breaker	
NE901	1-519-060	neon lamp, power	
NE902	1-519-060	neon lamp, UHF	
	1-526-086	socket, picture tube	
	1-526-144	cap, lead	
	1-526-130-61	cap, anode	
	1-526-131-52	cap, convergence	
X301	1-527-183	crystal	
F601	1-532-203	fuse, 2A	
F602	1-532-078	fuse, 1A	
	1-533-087	holder, fuse	
	1-534-587	cord, power supply	
	1-534-630-22	p-p cable	
	1-536-296	terminal lug	
	1-536-327	terminal lug, 1L1	
	1-543-040	core	
	8-735-300	picture tube	

SONY CORPORATION

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Printed in Japan

TRINITRON®
COLOR TV

KV-1300E

West Germany Model

SUPPLEMENT

No. 4
April 1973

Subject: Electrical and Mechanical Changes

This supplement updates the service manual to include production changes covering **Serial No. 69,249 ~ 71,249.**
File this supplement with the service manual.

1. INTRODUCTION

The VH circuit board and deflection yoke have been changed in addition to some other electrical and mechanical changes.

2. CHANGED PARTS LIST

(Serial No. 69,249 ~ 71,249)

Ref. No.	*Former Part Value*	*New Part No./Part Value*
VH board	8-983-139-35	8-983-781-15
Q904	--------------	2SC867
L907	--------------	1-451-096-00 coil, phase adjustment; PAC
T902	--------------	1-421-301-00 transformer, pincushion; PCT
C921		1-108-632-11 0.33μF ±10% 100V mylar
R921	--------------	1-244-673-11 1kΩ ±5% ¼W carbon
R922	--------------	1-244-673-11 1kΩ ±5% ¼W carbon
R923	--------------	1-244-703-11 18kΩ ±5% ¼W carbon
DY	1-451-076-11	1-451-096-00 deflection yoke

SONY®
SERVICE MANUAL

3. INTERCHANGEABILITY

The old and new VH boards are not interchangeable.
The old and new deflection yokes are not interchangeable.

4. CHANGES IN SERVICE ADJUSTMENTS

(Serial No. 69,249 ~ 71,249)

The following items have been partly changed because of change in the VH board and deflection yoke.

Dynamic Convergence Adjustment (P. 17)

Fig. 4-13 should be changed as follows:

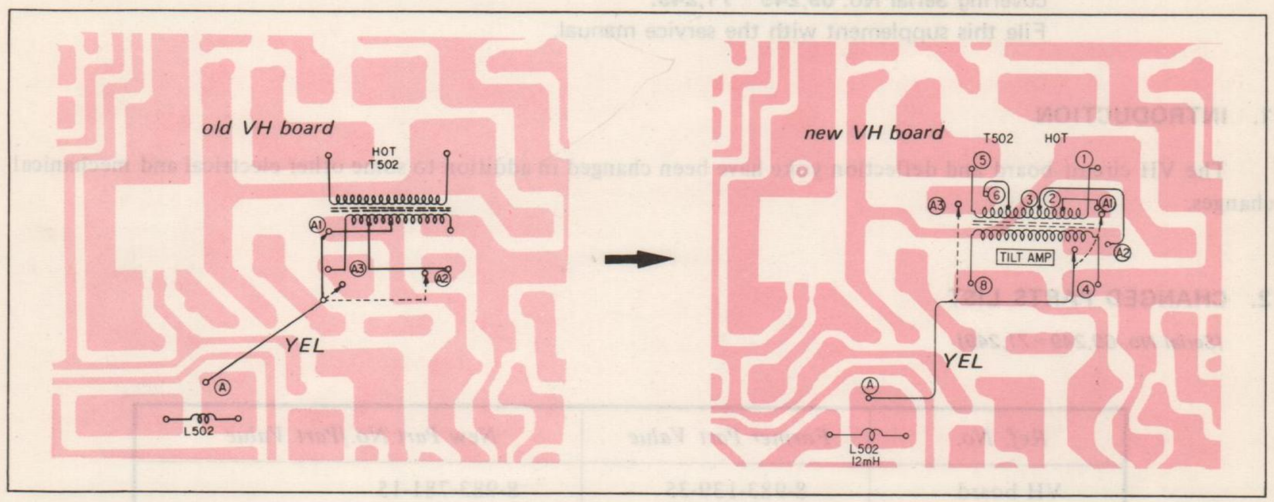


Fig. 4-13.

Screen-edge Convergence Adjustments (P. 17)

Adjustment Procedure: (P. 18)

1. Loosen the clamp band as shown in Fig. 4-16.
2. Raise or lower the front edge of the deflection yoke, while taking care not to move the yoke forward or backward.
3. Secure the yoke in position by inserting a spacer into three places. Tighten the clamp band. See Fig. 4-17.

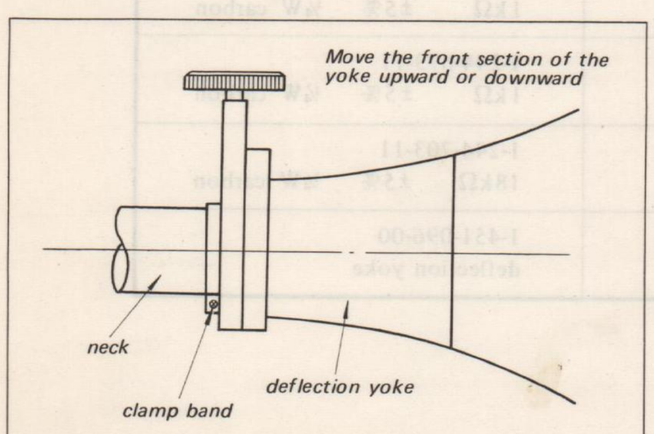


Fig. 4-16.

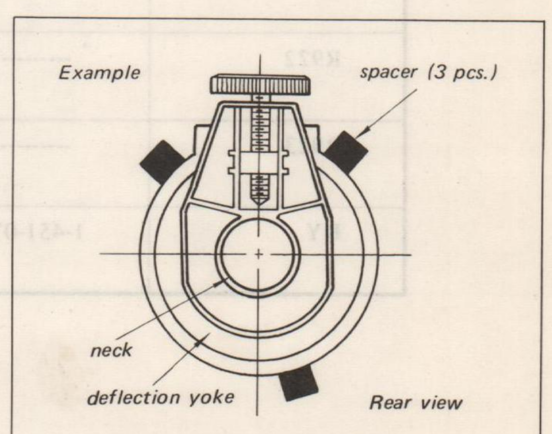


Fig. 4-17.

5. CHANGES IN DEFLECTION CIRCUIT ADJUSTMENTS

(Serial No. 69,249 ~ 71,249)

The following items have been partly changed because of change in the VH board.

Horizontal Size and Pincushion Correction Adjustment (P. 26)

ITEM	*PREPARATION*	*ADJUST*	*PROCEDURE*
Horizontal Size Adjustment	1. Receive a test pattern signal. 2. Set the BRT and CONTRAST controls for best picture.	VR505 (VH board)	1. Adjust VR505 until the outside circle of the test pattern is in contact with the edge of the screen. 2. Make sure that no pincushion distortion appears on the screen.
Pincushion Correction Adjustment	1. Receive a cross-hatch signal from a color-bar/pattern generator. 2. Set the VER and H FREQ controls for correct sync. 3. Adjust V LIN and V SIZE controls.	T902 L907 (mounted on the chassis)	1. Loosen the two wing screws at the top of the pincushion transformer (T902), and then set the I-shaped core to midrange. See Fig. A. Tighten the screws slightly. 2. Adjust the phase adjustment coil (L907) (See Fig. B.) to obtain the patterns as shown in Fig. C. 3. Loosen the wing screws again, and move the core to obtain a correct cross-hatch pattern as shown in Fig. C.

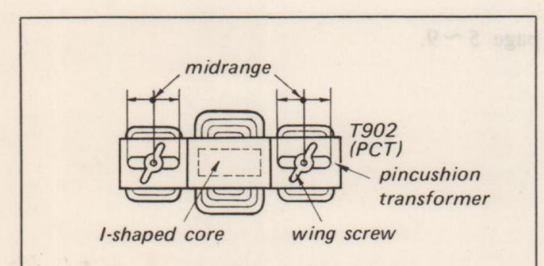


Fig. A.

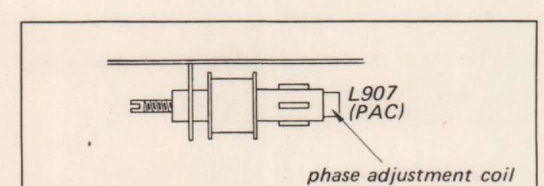


Fig. B.

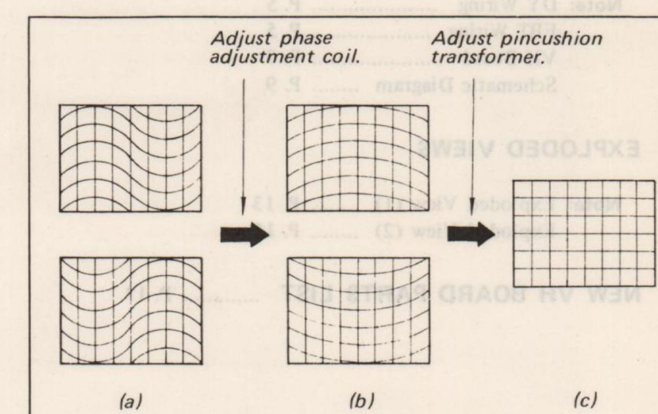


Fig. C.

Vertical Centering Adjustment (P. 27)

Fig. 5-11 should be changed as follows:

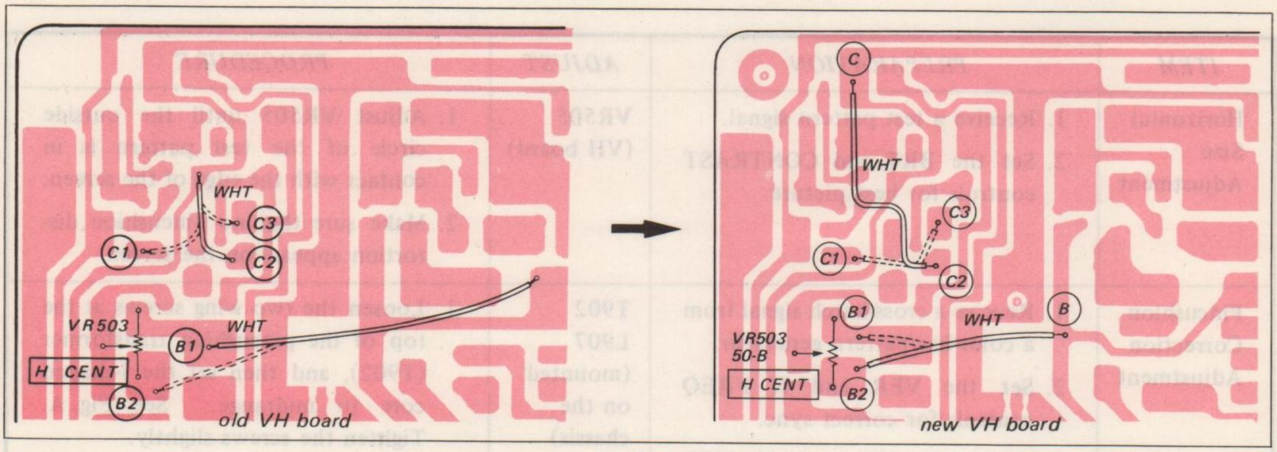


Fig. 5-11.

Vertical Bias Adjustment (P. 26)

This adjustment is not necessary.

6. DIAGRAMS

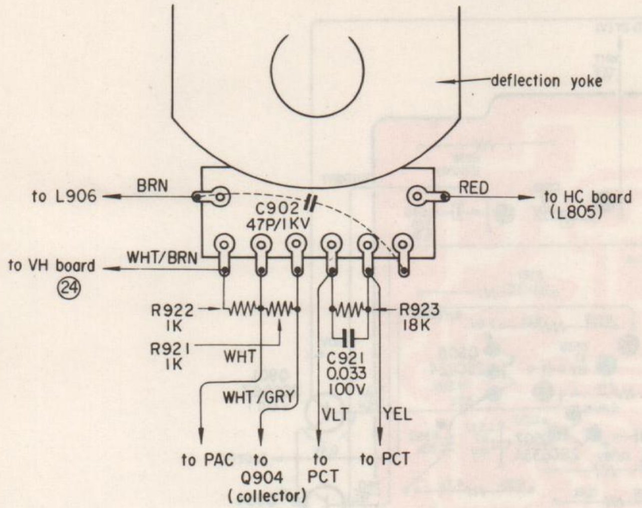
The schematic diagram and mounting diagrams are shown on page 5 ~ 9.

7. EXPLODED VIEWS

8. NEW VH BOARD PARTS LIST .... P. 17

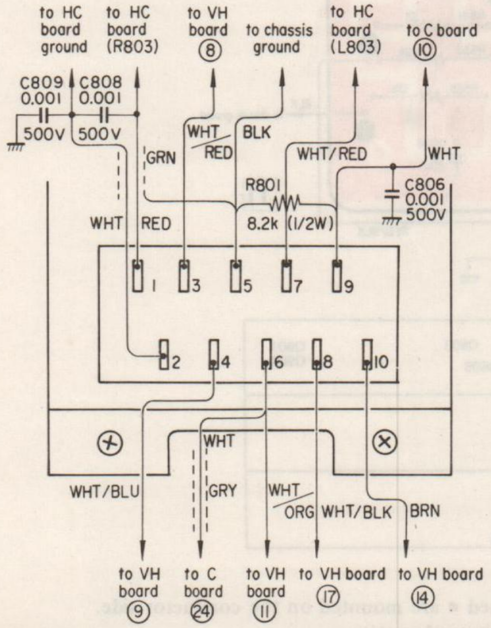
6-1. DY WIRING DIAGRAM

(Serial No. 69,249 ~ 71,249)



6-2. FBT WIRING DIAGRAM

(Serial No. 69,249 ~ 71,249)

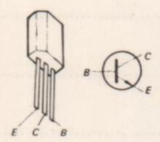


MEMO

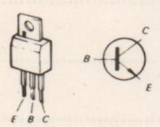
6-3. MOUNTING DIAGRAM – VH Board –

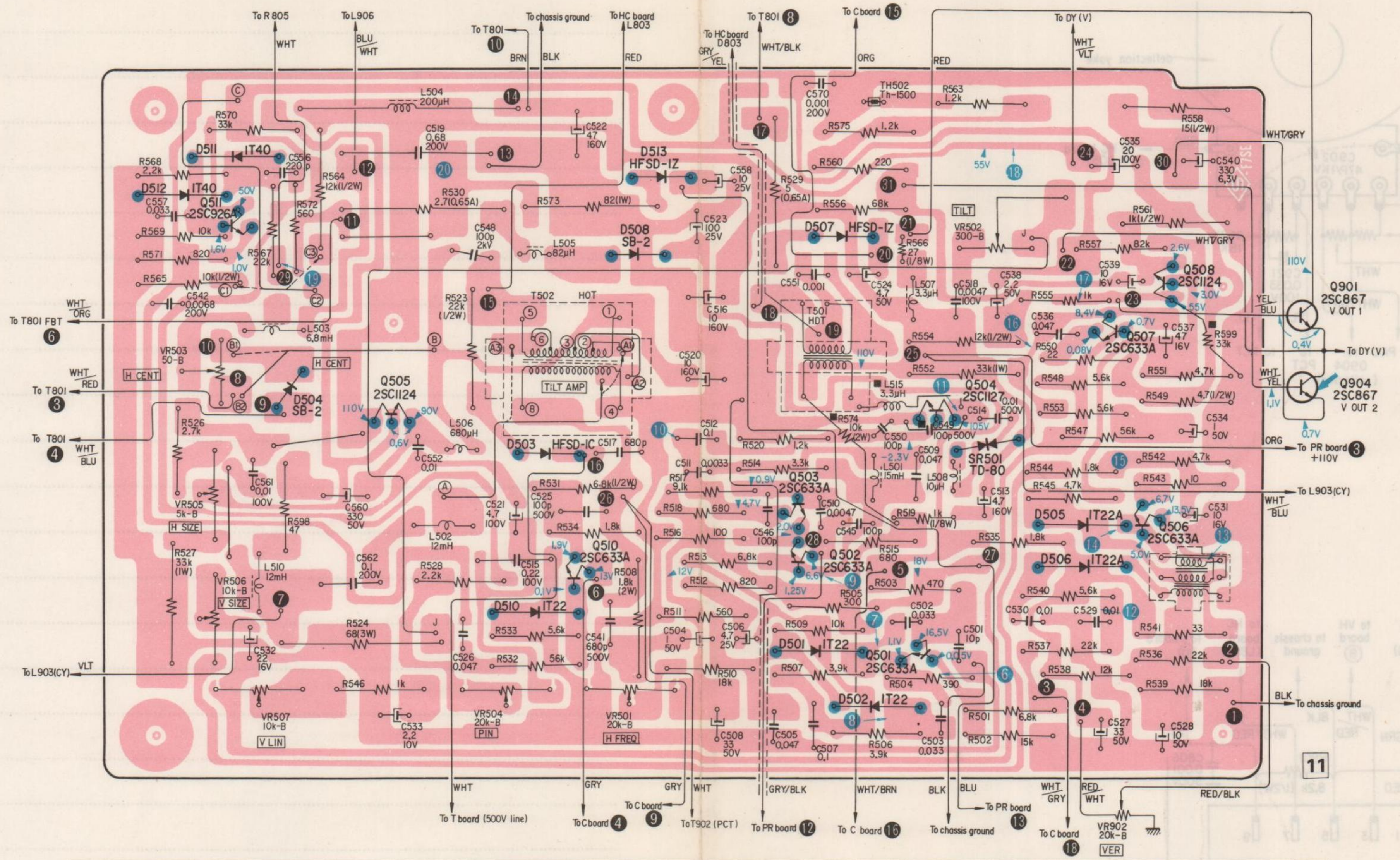
(Serial No. 69,249~71,249)

2SC633A
2SC926A

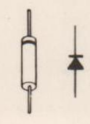


2SC1127
2SC1124

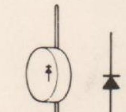




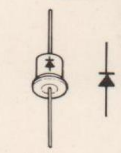
1T22
1T22A
1T40



HFSD-1C
HFSD-1Z



SB-2



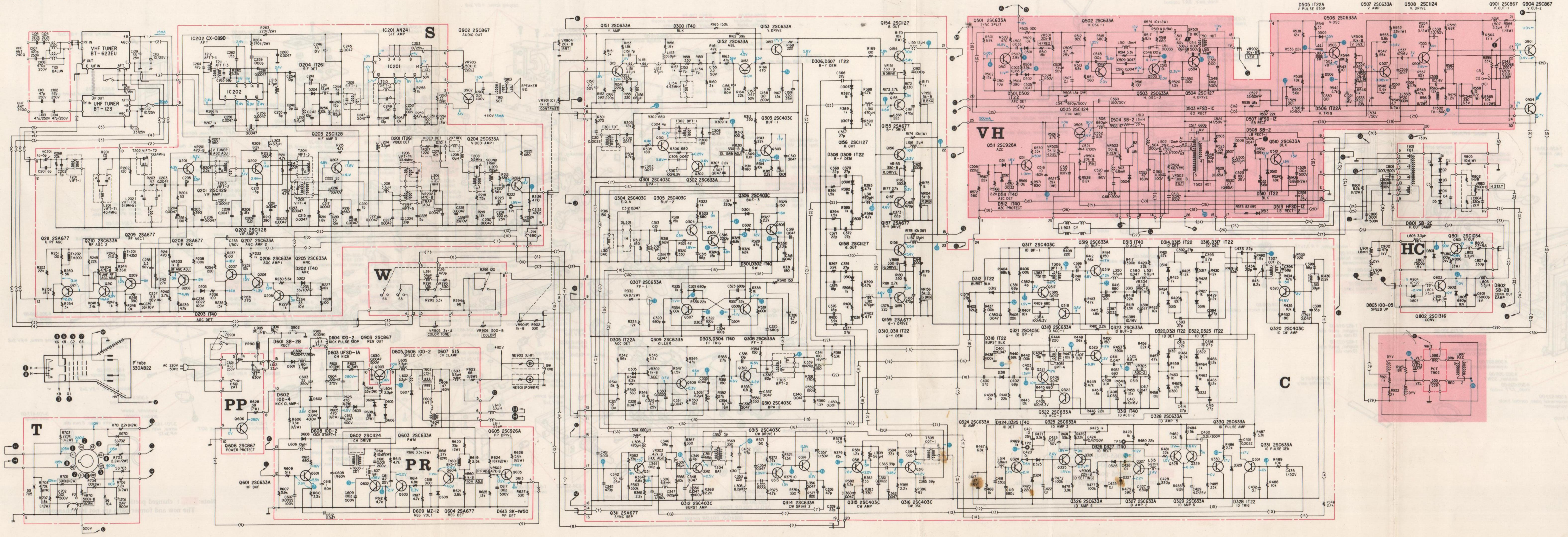
Q	Q505	Q510	Q503 Q502	Q504 Q501	Q507	Q508 Q506	Q901 Q904			
D	D512	D511	D504	D503 D510	D513 D508	D507	D501	D502	D505 D506	
ADJ.	VR503 VR505 VR506	VR507	VR504	VR501	VR502	VR902				

Note: 1. The parts marked ▪ are mounted on the conductor side.
2. ↗ shows the changed portion.

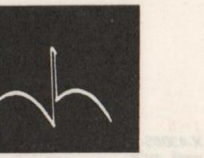
KV-1300E KV-1300E

6-4. SCHEMATIC DIAGRAM

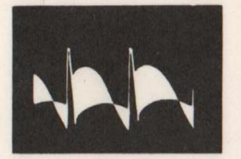
(Serial No. 69,249 ~ 71,249)



Note:
1. All the capacitors are 50V unless otherwise noted.
2. All the resistors are ¼W unless otherwise noted.
3. All the resistance values are in ohms. k = 1,000 ohms.
4. All the capacitance values are in μF unless otherwise noted. p = $\mu\mu$F.
5. The voltages are measured from chassis to point indicated with a VOM (DC 20 k ohms/V) with color signal input.
6. The parts marked ※ indicate components whose value is to be selected to yield the specified operating condition.
7. The blue circled numbers (1 ~ 64) refer to the waveforms on page 43 and 44 of the complete service manuals.
8. The blue circled numbers (65 and 66) refer to the waveforms as shown below.



65 60Vp-p

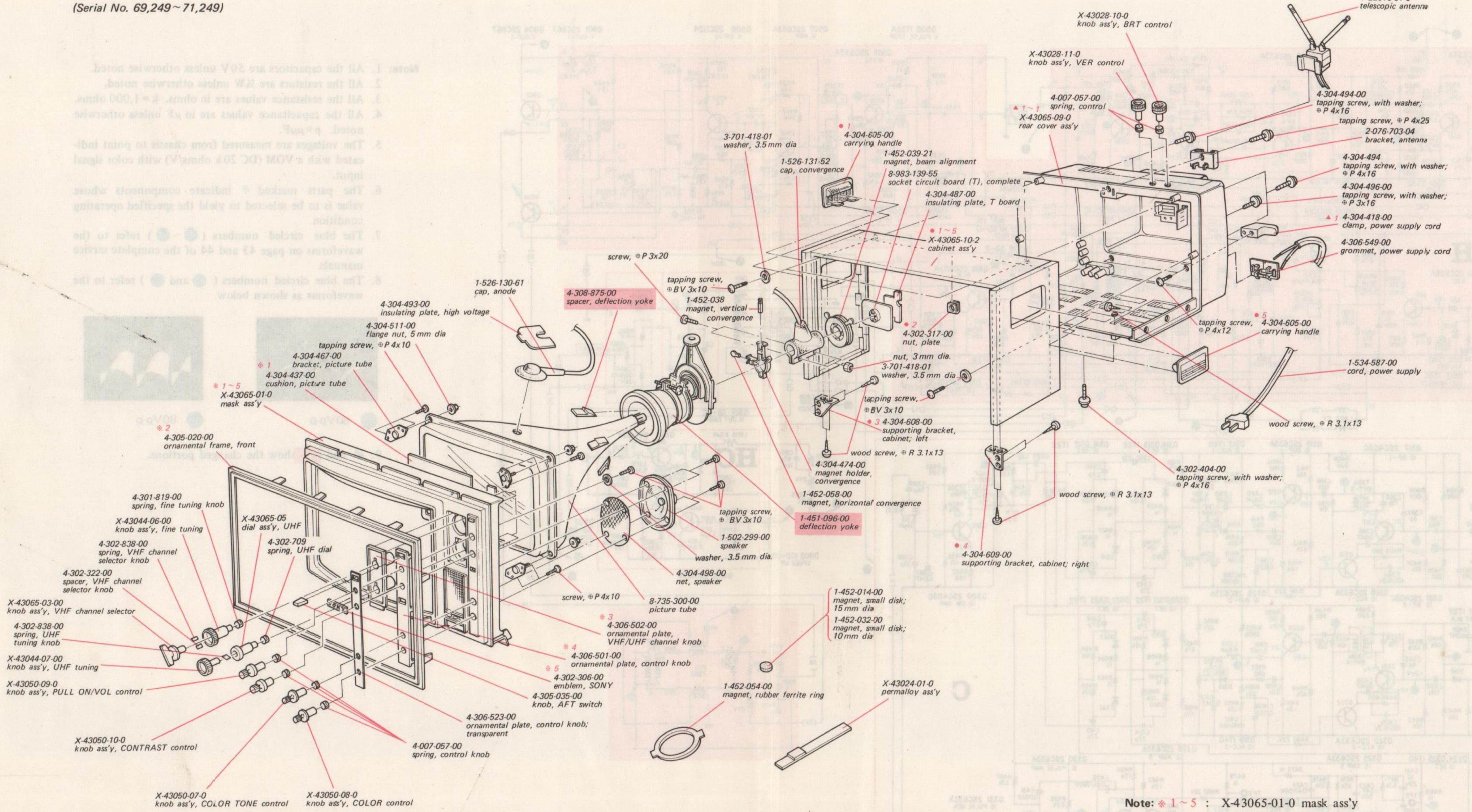


66 80Vp-p

9. and show the changed portions.

7-1. EXPLODED VIEW (1)

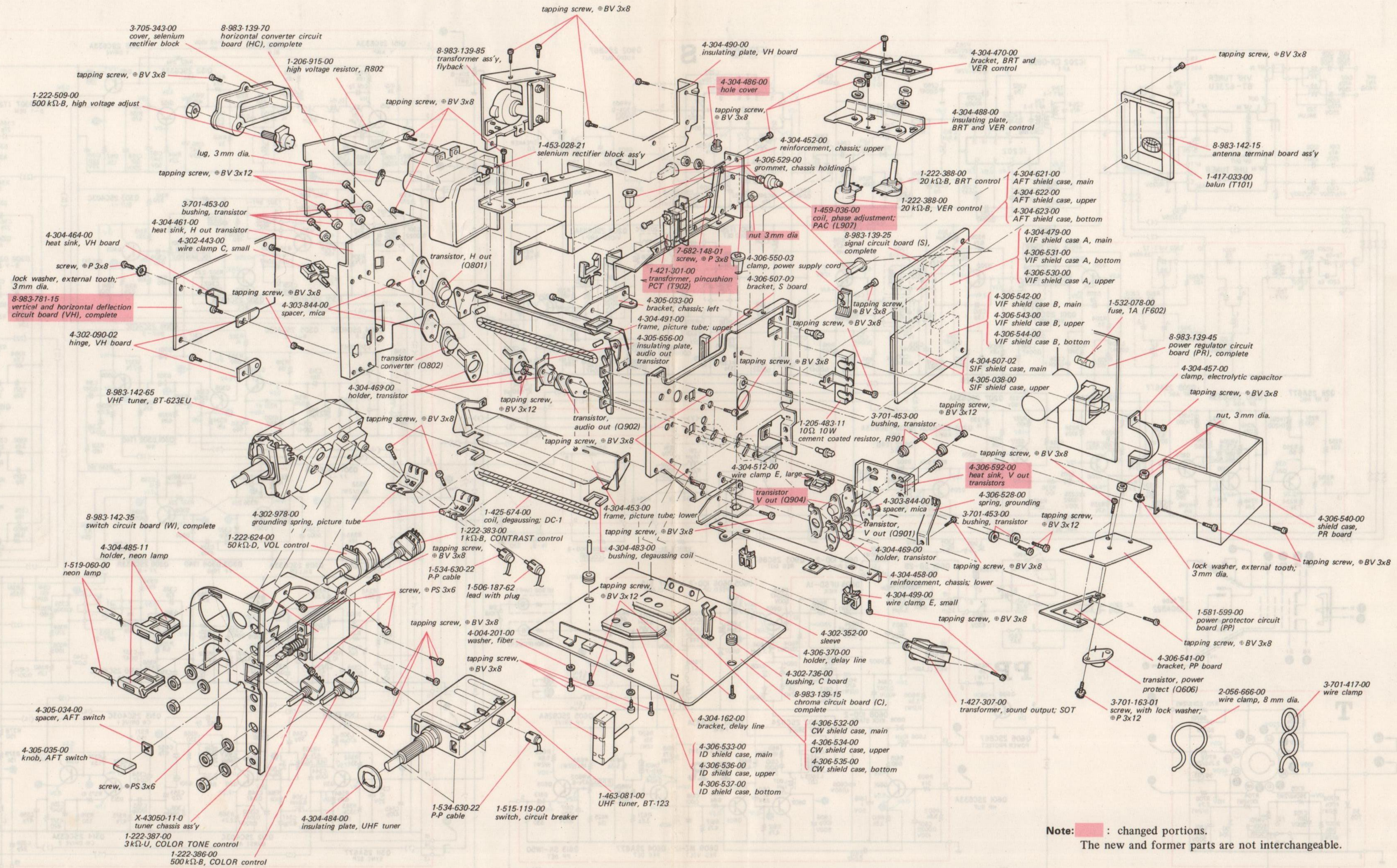
(Serial No. 69,249 ~ 71,249)



Note: ● 1 ~ 5 : X-43065-01-0 mask ass'y
▲ 1 ~ 1 : X-43065-09-0 rear cover ass'y
◆ 1 ~ 5 : X-43065-10-2 cabinet ass'y
▭ : changed portions
The new and former parts are not interchangeable.

7-2. EXPLODED VIEW (2)

(Serial No. 69,249 ~ 71,249)



Note: ▭ : changed portions.
The new and former parts are not interchangeable.

8. NEW VH BOARD PARTS LIST

SEMICONDUCTORS

Ref. No.	*Part No.*	*Description*	
Q501		transistor	2SC633A
Q502		transistor	2SC633A
Q503		transistor	2SC633A
Q504		transistor	2SC1127
Q505		transistor	2SC1124
Q506		transistor	2SC633A
Q507		transistor	2SC633A
Q508		transistor	2SC1124
Q509		---------------	
Q510		transistor	2SC633A
Q511		transistor	2SC926A
D501		diode	1T22
D502		diode	1T22
D503		diode	HFSD-1C
D504		diode	SB-2
D505		diode	1T22A
D506		diode	1T22A
D507		diode	HFSD-1Z
D508		diode	SB-2
D509		---------------	
D510		diode	1T22
D511		diode	1T40
D512		diode	1T40
D513		diode	HFSD-1Z
SR501	1-800-032-00	varistor	TD-80

COILS

Ref. No.	*Part No.*	*Description*
L501	1-407-552-00	1.5 mH, micro inductor
L502	1-459-059-00	12 mH, dynamic convergence
L503	1-459-074-00	6.8 mH, horizontal centering
L504	1-407-346-00	200μH, spook choke
L505	1-407-553-00	82μH, line choke
L506	1-407-193-21	680μH, micro inductor
L507	1-407-364-00	3.3μH, spook choke
L508	1-407-190-00	10μH, micro inductor
L509	1-407-190-00	10μH, micro inductor
L510	1-459-059-00	12 mH, micro inductor
L515	1-407-364-00	3.3μH, micro inductor
T501	1-437-030-00	transformer, horizontal drive; HDT
T502	1-439-134-00	transformer, horizontal output; HOT
T503	1-435-008-00	transformer, vertical blocking; VBT

CAPACITORS

All the capacitors are in μF, 50V and ceramic unless otherwise noted. p = μμF.

Ref. No.	*Part No.*	*Description*			
C501	1-102-947-11	10p	±5%		
C502	1-108-632-11	0.033	±10%	100V	mylar
C503	1-108-632-11	0.033	±10%	100V	mylar
C504	1-121-391-11	1	$\pm^{150}_{10}\%$	50V	electrolytic
C505	1-108-634-11	0.047	±10%	100V	mylar
C506	1-121-395-11	4.7	$\pm^{150}_{10}\%$	25V	electrolytic
C507	1-108-638-11	0.1	±10%	100V	mylar
C508	1-121-405-11	33	$\pm^{100}_{10}\%$	50V	electrolytic
C509	1-106-212-12	0.047	±5%	100V	mylar
C510	1-106-188-12	0.0047	±5%	100V	mylar
C511	1-106-184-12	0.0033	±5%	100V	mylar
C512	1-108-638-11	0.1	±10%	100V	mylar
C513	1-121-246-11	4.7	$\pm^{100}_{10}\%$	160V	electrolytic
C514	1-102-038-11	0.001	$\pm^{100}_{0}\%$	500V	
C515	1-105-729-13	0.22	±10%	100V	mylar
C516	1-121-708-11	10	$\pm^{100}_{10}\%$	160V	electrolytic
C517	1-102-219-11	680p	±20%	1kV	
C518	1-106-212-12	0.047	±5%	100V	mylar
C519	1-108-549-11	0.68	±10%	200V	mylar
C520	1-121-921-11	10	$\pm^{100}_{10}\%$	160V	electrolytic
C521	1-121-918-11	4.7	$\pm^{100}_{10}\%$	100V	electrolytic
C522	1-121-919-11	47	$\pm^{100}_{10}\%$	160V	electrolytic
C523	1-121-416-11	100	$\pm^{100}_{10}\%$	25V	electrolytic
C524	1-121-396-11	4.7	$\pm^{150}_{10}\%$	50V	electrolytic
C525	1-101-810-11	100p	±5%	500V	
C526	1-108-634-11	0.047	±10%	100V	mylar
C527	1-121-405-11	33	$\pm^{100}_{10}\%$	50V	electrolytic
C528	1-121-738-11	10	$\pm^{100}_{10}\%$	50V	electrolytic
C529	1-108-626-11	0.01	±10%	100V	mylar
C530	1-108-626-11	0.01	±10%	100V	mylar
C531	1-131-158-11	10	±20%	16V	electrolytic
C532	1-121-479-11	22	$\pm^{100}_{10}\%$	16V	electrolytic
C533	1-127-024-11	2.2	±20%	10V	electrolytic (alox)
C534	1-121-391-11	1	$\pm^{150}_{10}\%$	50V	electrolytic
C535	1-121-917-11	20	±20%	100V	electrolytic
C536	1-101-006-11	0.047	$\pm^{100}_{0}\%$		
C537	1-121-409-11	47	$\pm^{100}_{10}\%$	16V	electrolytic
C538	1-121-450-11	2.2	$\pm^{150}_{10}\%$	50V	electrolytic
C539	1-131-158-11	10	±20%	16V	tantalum
C540	1-121-751-11	330	$\pm^{100}_{10}\%$	6.3V	electrolytic
C541	1-102-002-11	680p	±10%	500V	
C542	1-105-751-12	0.0068	±10%	200V	mylar
C543		---------------			
C544		---------------			
C545	1-102-973-11	100p	±5%		
C546	1-102-973-11	100p	±5%		
C547		---------------			
C548	1-102-153-11	100p	±20%	2kV	
C549	1-101-810-11	100p	±5%	500V	
C550	1-102-973-11	100p	±5%		
C551	1-102-074-11	0.001	±10%		
C552	1-101-004-11	0.01	$\pm^{100}_{0}\%$		
C553		---------------			
C554		---------------			
C555		---------------			
C556	1-102-978-11	220p	±5%		
C557	1-108-632-11	0.033	±10%	100V	mylar
C558	1-121-398-11	10	$\pm^{100}_{10}\%$	25V	electrolytic
C559	1-101-004-11	0.01	$\pm^{100}_{0}\%$		
C560	1-121-656-11	330	$\pm^{50}_{10}\%$	50V	electrolytic
C561	1-105-713-12	0.01	±10%	100V	mylar
C562	1-108-704-11	0.1	±10%	200V	mylar

RESISTORS

All the resistors are in ohms, ±5%, ¼W and carbon unless otherwise noted. k = 1,000 ohms.

Ref. No.	*Part No.*	*Description*		
R501	1-244-693-11	6.8k		
R502	1-244-701-11	15k		
R503	1-244-665-11	470		
R504	1-244-663-11	390		
R505	1-244-660-11	300		
R506	1-244-687-11	3.9k		
R507	1-244-687-11	3.9k		
R508	1-206-017-11	1.8k	2W	metal oxide
R509	1-244-697-11	10k		
R510	1-244-703-11	18k		
R511	1-244-667-11	560		
R512	1-244-671-11	820		
R513	1-244-693-11	6.8k		
R514	1-244-685-11	3.3k		
R515	1-244-669-11	680		
R516	1-244-649-11	100		
R517	1-244-696-11	9.1k		
R518	1-244-669-11	680		
R519	1-211-451-11	1k	¼W	
R520	1-244-675-11	1.2k		
R521		---------------		
R522		---------------		
R523	1-202-792-11	22k	1W	composition
R524	1-206-145-11	68	3W	metal oxide
R525		---------------		
R526	1-244-683-11	2.7k		
R527	1-206-110-11	33	1W	metal oxide
R528	1-244-681-11	2.2k		
R529	1-207-241-11	5	0.65A	fuse
R530	1-207-982-11	2.7	0.65A	fuse
R531	1-244-893-11	6.8k	½W	
R532	1-244-715-11	56k		
R533	1-244-691-11	5.6k		
R534	1-244-679-11	1.8k		
R535	1-244-679-11	1.8k		
R536	1-244-705-11	22k		
R537	1-244-705-11	22k		
R538	1-244-699-11	12k		
R539	1-244-703-11	18k		
R540	1-244-691-11	5.6k		
R541	1-244-637-11	33		
R542	1-244-689-11	4.7k		
R543	1-244-625-11	10		
R544	1-244-679-11	1.8k		
R545	1-244-713-11	47k		
R546	1-244-673-11	1k		
R547	1-244-715-11	56k		
R548	1-244-691-11	5.6k		
R549	1-207-471-11	4.7	½W	wirewound
R550	1-244-633-11	22		
R551	1-244-689-11	4.7k		
R552	1-202-794-11	33k	1W	composition
R553	1-244-691-11	5.6k		
R554	1-244-899-11	12k	½W	
R555	1-244-673-11	1k		
R556	1-244-717-11	68k		
R557	1-244-719-11	82k		
R558		---------------		
R559		---------------		
R560	1-244-657-11	220		
R561	1-244-873-11	1k	½W	
R562		---------------		
R563	1-244-675-11	1.2k		
R564	1-244-899-11	12k	½W	
R565	1-244-897-11	10k	½W	
R566	1-211-932-11	27	⅛W	
R567	1-244-705-11	22k		
R568	1-244-681-11	2.2k		
R569	1-244-697-11	10k		
R570	1-244-709-11	33k		
R571	1-244-671-11	820		
R572	1-244-667-11	560		
R573	1-206-080-11	82	1W	metal oxide
R574	1-206-688-11	10k	2W	metal oxide
R575	1-244-675-11	1.2k		
R598	1-244-641-11	47		
R599	1-244-709-11	33k	½W	
VR501	1-222-725-00	20k-B, adjustable (H FREQ control)		
VR502	1-223-019-00	300-B, adjustable (TILT control)		
VR503	1-223-017-00	50-B, adjustable (H CENT control)		
VR504	1-222-725-00	20k-B, adjustable (PIN control)		
VR505	1-222-344-00	5k-B, adjustable (H SIZE control)		
VR506	1-222-512-00	10k-B, adjustable (V SIZE control)		
VR507	1-222-512-00	10k-B, adjustable (V LIN control)		

 KV-1300E

MEMO

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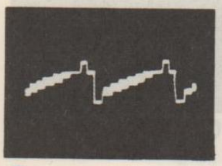
3. Page 43, 44, WAVEFORMS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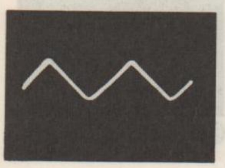
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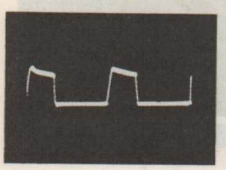
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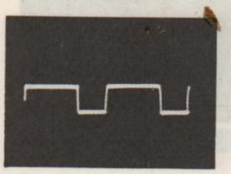
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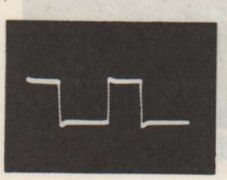
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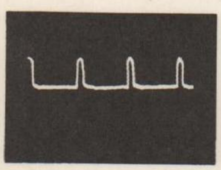
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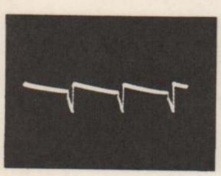
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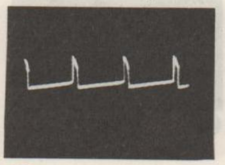
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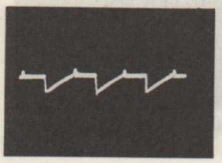
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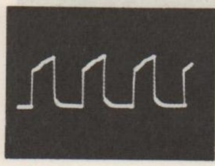
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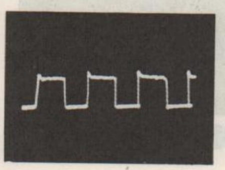
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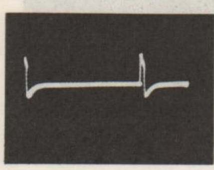
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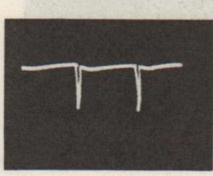
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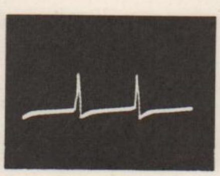
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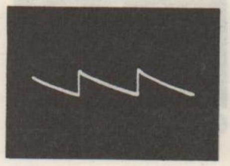
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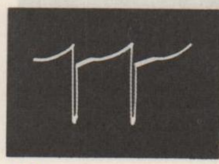
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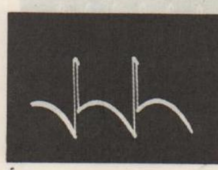
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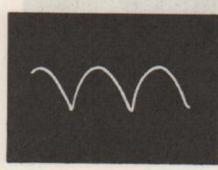
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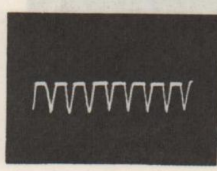
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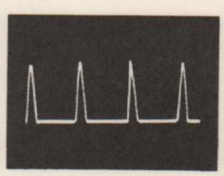
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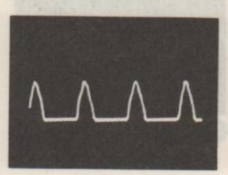
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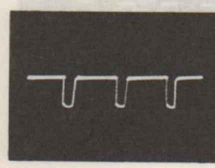
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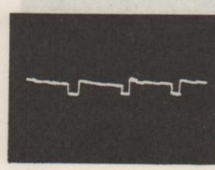
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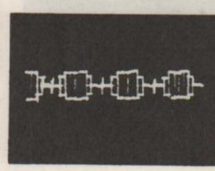
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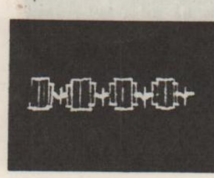
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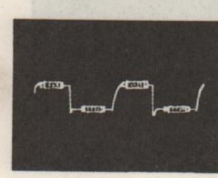
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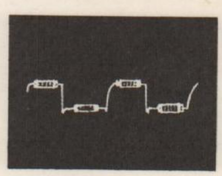
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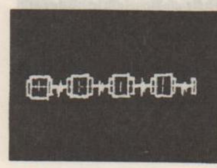
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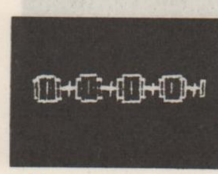
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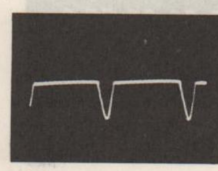
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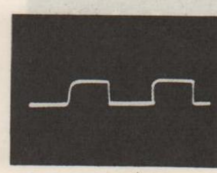
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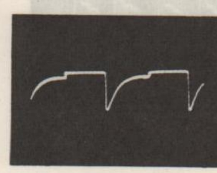
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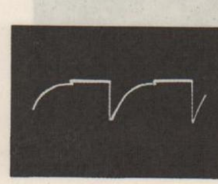
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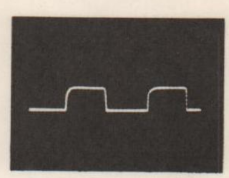
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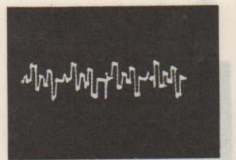
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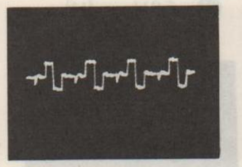
38 84Vp-p (H)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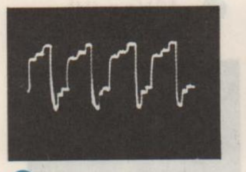
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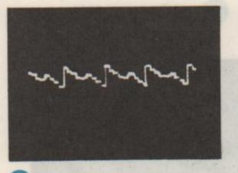
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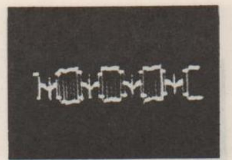
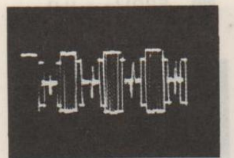
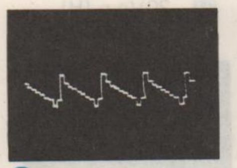
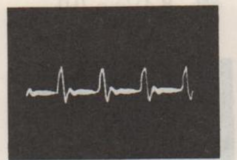
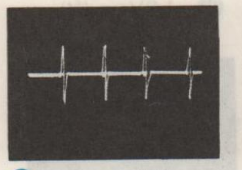
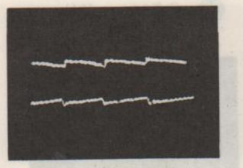

42 0.28Vp-p (H)

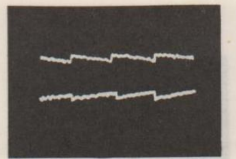

43 9Vp-p (H)

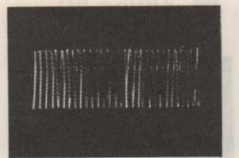

44 4.2Vp-p (H)

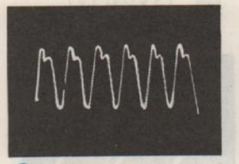

45 4.8Vp-p (H)

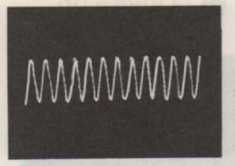

46 7.0Vp-p (H)

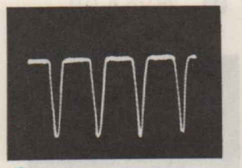

47 2.8Vp-p (H)

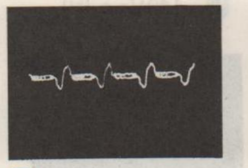

48 2.7Vp-p (H)

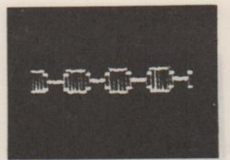

49 0.43p-p (H)


50 8Vp-p (H) 4.43 MHz

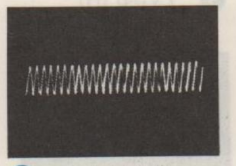

51 15Vp-p (H) 4.43 MHz

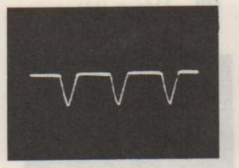

52 12Vp-p (H)

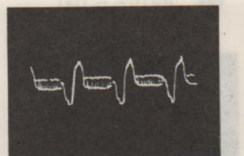

53 2.0Vp-p (H)

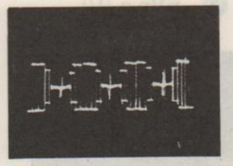

54 2.2Vp-p (H)

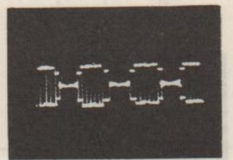

55 2.0Vp-p (H)

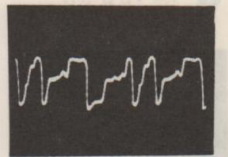

56 10Vp-p (H)

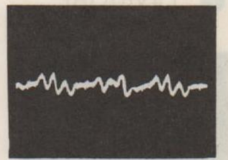

57 11Vp-p (H)

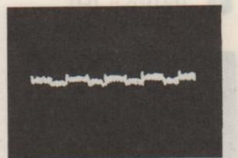

58 1.8Vp-p (H)

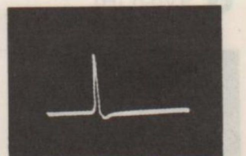

59 1.6Vp-p (H)


60 1.8Vp-p (H)


61 1.4Vp-p (H)


62 0Vp-p (H)


63 0.05Vp-p (H)


64 0.8Vp-p (H)

SONY CORPORATION

2D0680-1

Printed in Japan

SONY
SERVICE MANUAL

COLOR TV
KV-1300E

CORRECTION

No. 1
April. 1972

The service manual KV-1300E has some printing errors. The following details are informations for corrections or modifications of the service manual.

1. Page 22, INDICATION 5 in the table

Change the sentence as follows:

5. Adjust VIFT-1, CV201 and IF coil of VHF tuner to obtain 50% height at 34.47 MHz and 38.9 MHz. Tune the three trap coils VIFT-T1 (40.4 MHz trap), VIFT-T2 (33.4 MHz trap) and VIFT-T3 (31.9 MHz trap) to minimize the specified frequency.

2. Page 23, PREPARATION AND REMARKS 1 of the Detector Output Level Adjustment

Change the sentence as follows:

1. Connect a scope to the emitter of Q207.

CAUTION

When the circuit breaker (S902) is frequently turned off, do not keep the circuit breaker in ON position. Check and repair the set referring to the TROUBLE SHOOTING GUIDE on page 12.

KV-1300E

TRINITRON®
COLOR TV

KV-1300E

No. 3
March, 1973

SUPPLEMENT

Subject: Electrical and Mechanical Changes

This supplement updates the service manual to include production changes on circuit and mechanical parts.
File this supplement with the service manual.

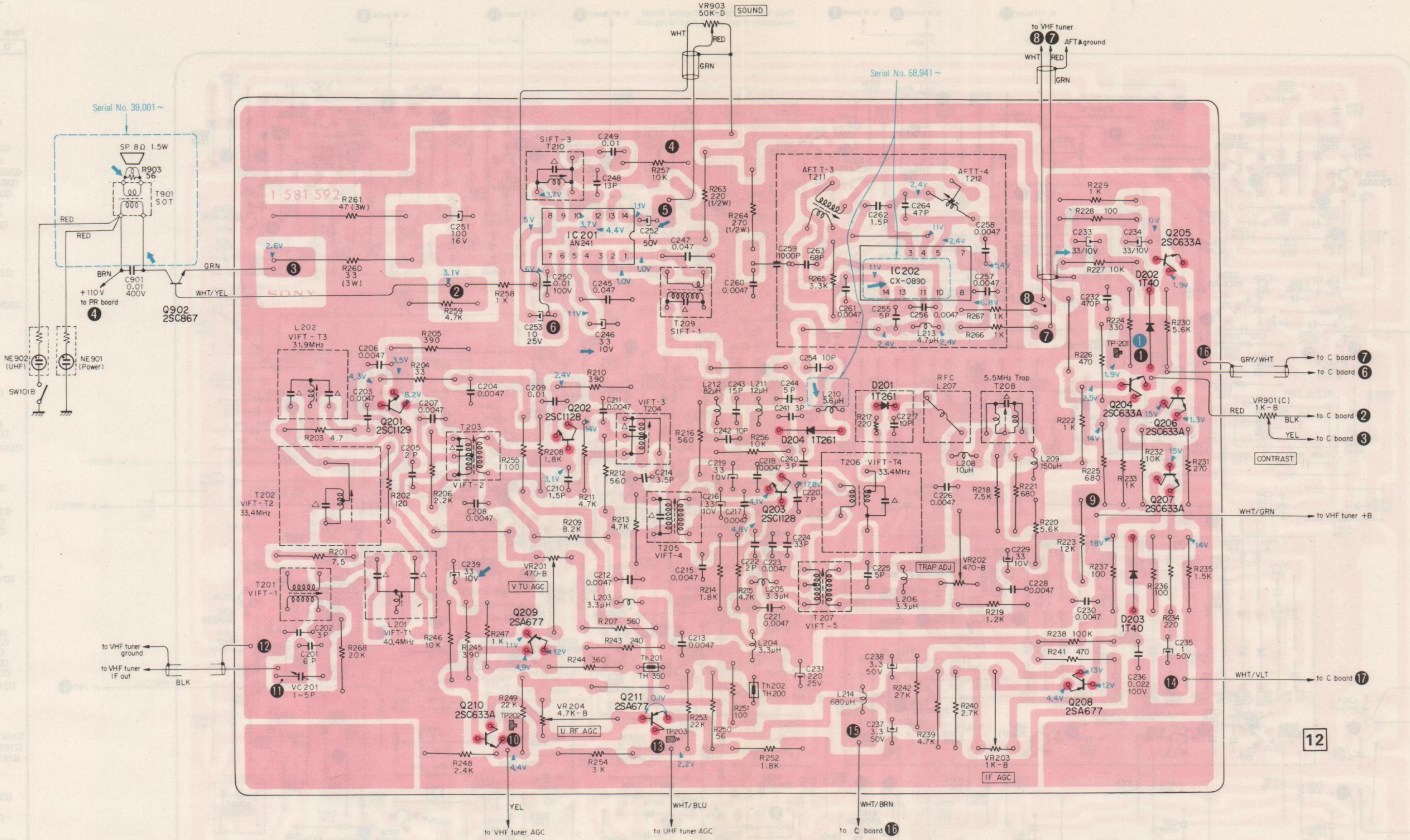
1. CHANGED PARTS LIST

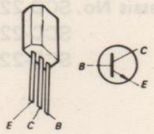
Ref. No.	Former Part Value	New Part No./ Part Value	Applicable Serial No./ Associated Circuit Board
IC202	M5134P	CX-089D	58,941 ~ , S board
D602	10D-2	10D-4	19,001 ~ , PR board
SR901	TD80	------------	39,000 ~ , Speaker circuit
L210	12μH	1-407-187-00 5.6μH	58,941 ~ , S board
L509	10μH	--------------	47,701 ~ , VH board
*L308	15μH	1-407-189-00 8.2μH	19,001 ~ , C board
C233 C239 C246	33μF/16V	1-121-402-11 33μF $\pm^{50}_{10}$% 10V electrolytic	unknown S board
C252	10μF/25V	1-121-391-11 1μF $\pm^{75}_{10}$% 50V electrolytic	19,001 ~ , S board
*C352	4pF	1-102-942-11 5pF ±0.5pF 50V ceramic	19,001 ~ , C board
*C353	12pF	1-102-959-11 22pF ±5% 50V ceramic	
*C355	120pF	1-101-455-11 1000pF ±20% 50V ceramic	
C430	0.47μF/50V electrolytic	1-106-753-12 0.01μF ±10% 200V mylar	40,501 ~ , C board
*C452	------------	1-101-880-11 47pF ±5% 50V ceramic	19,001 ~ , C board

SONY®
SERVICE MANUAL

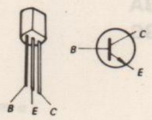
3-1. MOUNTING DIAGRAM – S Board –

Serial No. 19,001～
Chassis No. SCC-22A
SCC-22B
SCC-22C

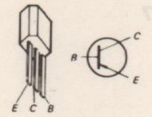




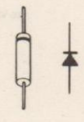
2SC633A



2SC1129
2SC1128



2SA677



1T261
1T40

Parts Location

Q, IC	Q201 Q210 Q209 Q202 IC201 Q211 Q203 IC202 Q208 Q204 Q205 Q206 Q207
D	D204 D201 D202 D203
ADJ.	L202 T201 T202 VC201 L201 T203 T210 VR201 VR204 T204 T209 T205 T211 T207 T206 T212 VR202 VR203 T208

Note: The parts marked ■ are mounted on the conductor side.
shows the changed part.

Ref. No.	Former Part Value	New Part No./ Part Value	Applicable Serial No./ Associated Circuit Board
C559	$0.01\mu F/50V$	------------	19,001 ~ , VH board
C570	------------	1-105-741-12 $0.001\mu F \pm 10\%$ 200V mylar	
*R370	270 ohm	------------	19,001 ~ , C board
R384	39k ohm	1-244-709-11 33k ohm	
R527	------------	1-244-701-11 15k ohm	23,501 ~ 62,100, VH board
°R527	27k ohm	1-206-111-11 39k ohm 1W metal oxide	62,101 ~ , VH board
°R575	15k ohm	------------	
R903	------------	1-244-643-11 56 ohm	39,001 ~ , speaker circuit

Note: All resistance values are in 5% ¼W carbon type unless otherwise indicated.
The parts marked * or ° should be replaced altogether should replacement of any one of them be required.

2. INTERCHANGEABILITY

Former and new complete circuit boards are interchangeable, thereby all the part numbers for complete circuit boards have not been changed. They represent both former and new complete circuit boards.

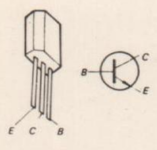
3. DIAGRAMS

4. EXPLODED VIEWS

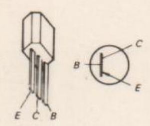
All mechanical changes are given in this diagram .... See page 13.

3-2. MOUNTING DIAGRAM — C Board —

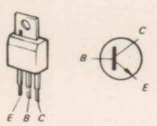
Serial No. 19,001~
Chassis No. SCC-22A
SCC-22B
SCC-22C



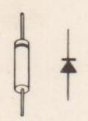
2SC633A
2SC403C



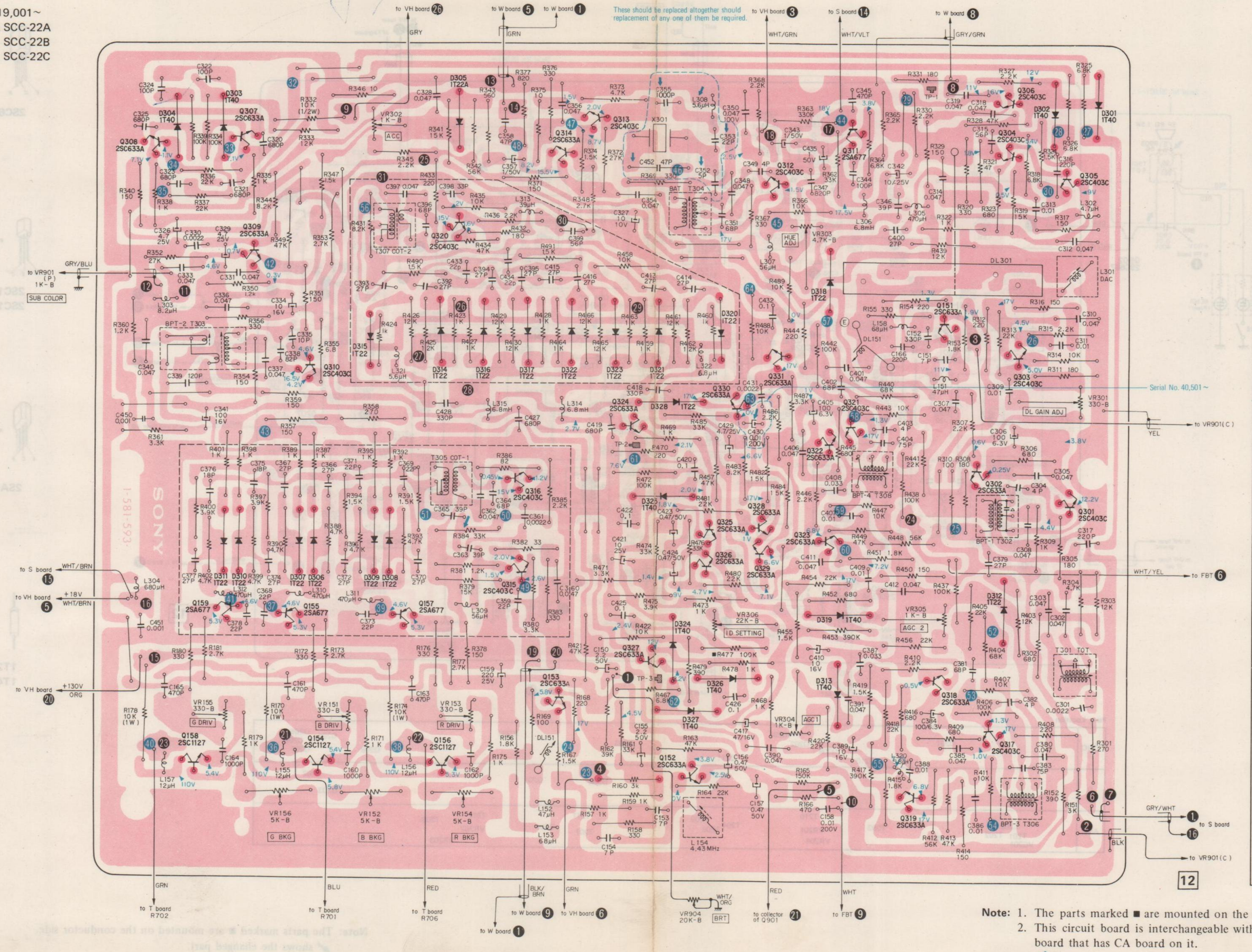
2SA677



2SC1127



1T40
1T22A
1T22



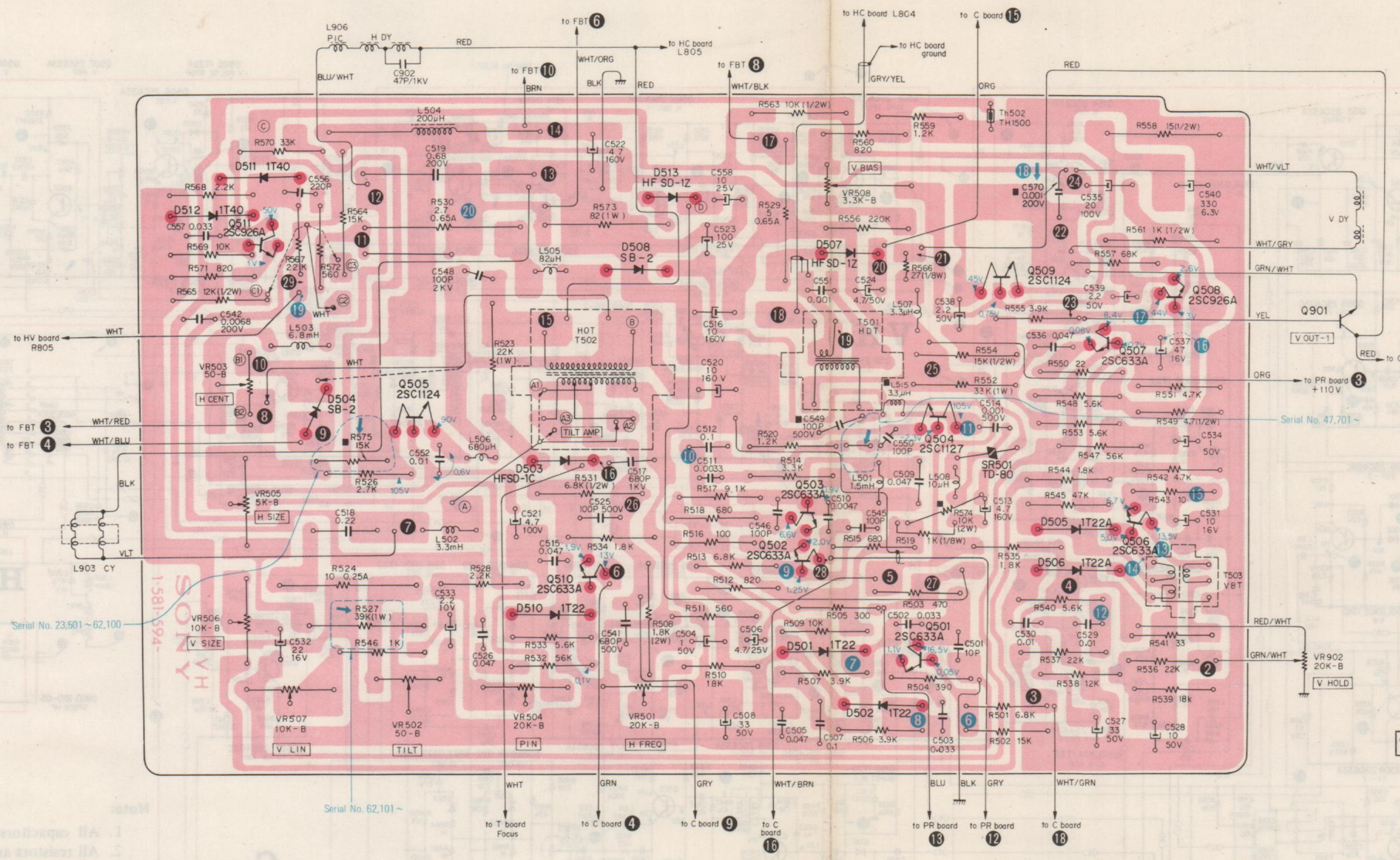
Parts Location

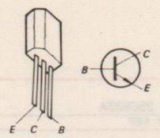
Q, IC	D	ADJ.
Q306	D301	
	D302	
Q313	D305	VR302
Q311	D304	
Q308	D303	
Q307		
Q314		
Q304		
Q305		
Q312		
		T304
Q320		T307
		VR303
Q309		
		L301
	D318	
Q151	D314	
	D315	
Q303	D316	T303
Q331	D317	
Q310	D322	
	D323	
	D321	
	D320	
		VR301
Q330	D328	
Q324		
Q321		
Q322		
Q302		T308
Q316		T305
	D325	
Q301		T302
Q328	D311	
Q325	D310	
Q323	D307	
Q329	D306	
Q326	D309	
Q315	D308	
Q159	D312	
Q155	D319	
Q157		VR305
		VR306
	D324	
Q327		T301
Q318	D326	
	D313	
Q153		
	D327	VR155
		VR151
		VR153
Q317		VR304
Q158		
Q154		
Q156		VR156
Q152		VR152
Q319		VR154
		T306
		L154

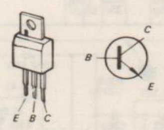
Note: 1. The parts marked ■ are mounted on the conductor side.
2. This circuit board is interchangeable with former circuit board that has CA board on it.
✓ shows the changed part.

3-3. MOUNTING DIAGRAM – VH Board –

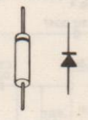
Serial No. 19,001~
Chassis No. SCC-22A
SCC-22B
SCC-22C

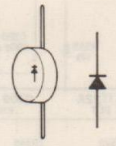


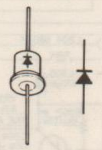




12







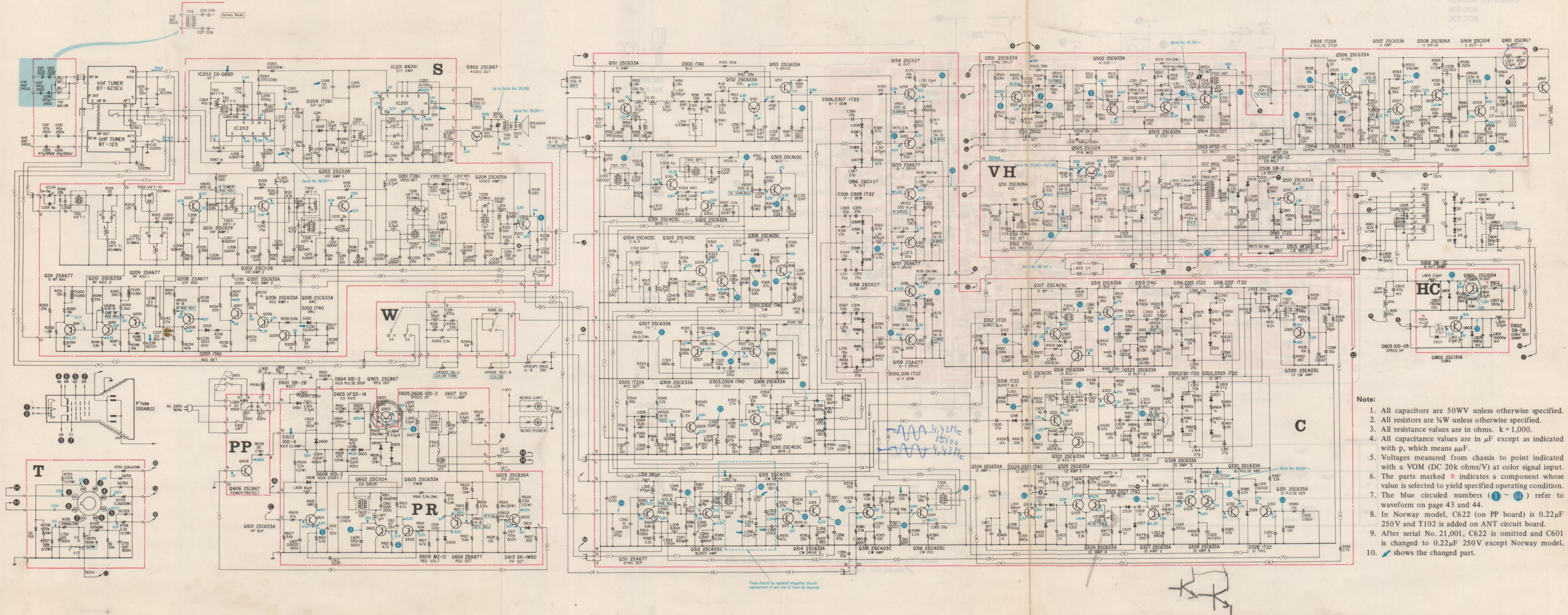
Parts Location

Q	Q511 Q505 Q510 Q503 Q502 Q504 Q501 Q509 Q507 Q506 Q508
D	D512 D511 D504 D503 D510 D508 D513 D507 D501 D502 D505 D506
ADJ.	VR503 VR505 VR506 VR507 VR502 VR504 VR501 VR508

Note: The parts marked ■ are mounted on the conductor side.
shows the changed part.

3-4. SCHEMATIC DIAGRAM

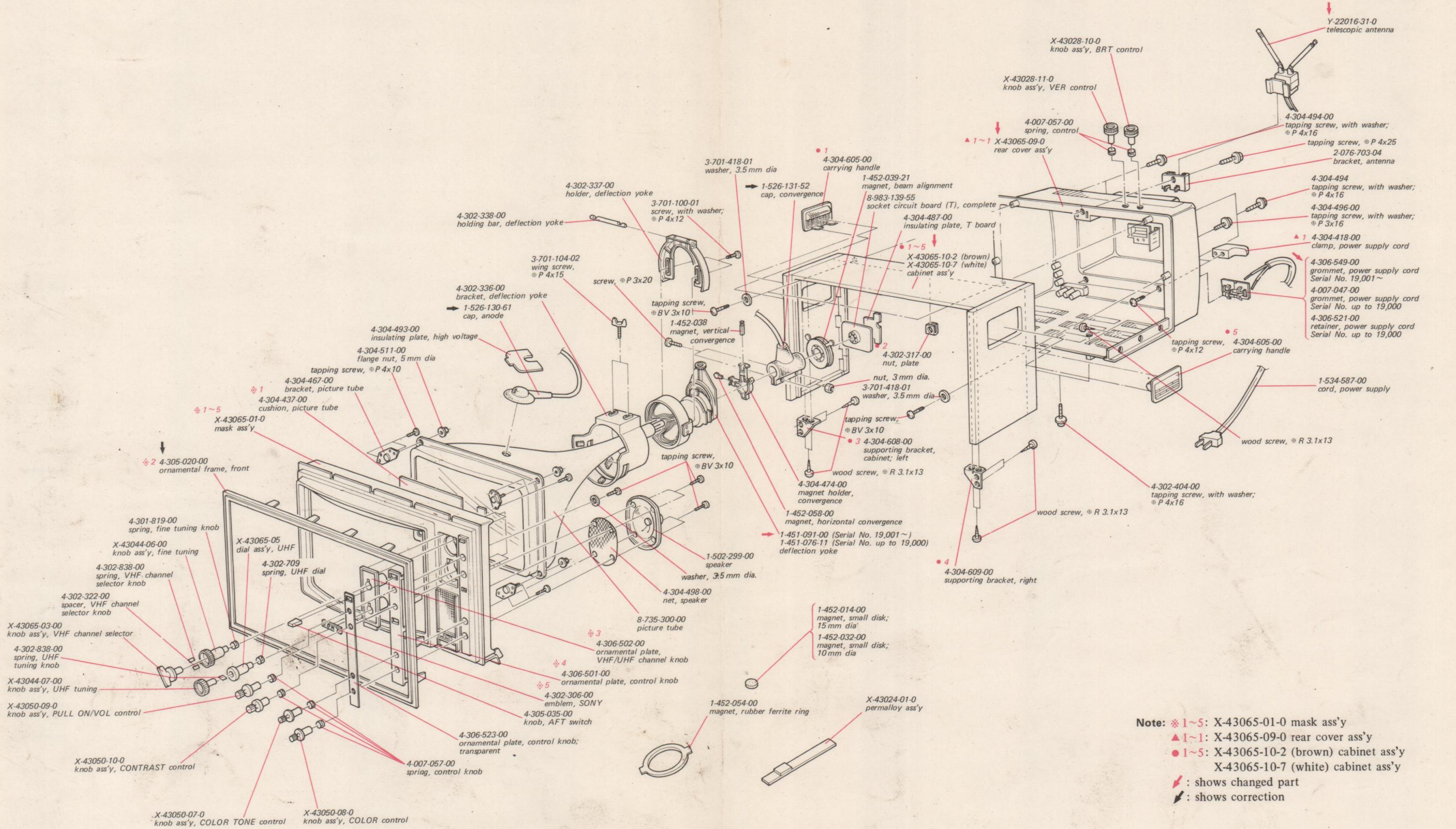
Serial No. 19,001~ Chassis No. SCC-22A, SCC-22B, SCC-22C



Note:

1. All capacitors are 50WV unless otherwise specified.
2. All resistors are ¼W unless otherwise specified.
3. All resistance values are in ohms. k = 1,000.
4. All capacitance values are in μF except as indicated with p, which means $\mu\mu$F.
5. Voltages measured from chassis to point indicated with a VOM (DC 20k ohms/V) at color signal input.
6. The parts marked ※ indicates a component whose value is selected to yield specified operating condition.
7. The blue circled numbers (1 ~ 64) refer to waveform on page 43 and 44.
8. In Norway model, C622 (on PP board) is 0.22μF 250V and T102 is added on ANT circuit board.
9. After serial No. 21,001, C622 is omitted and C601 is changed to 0.22μF 250V except Norway model.
10. shows the changed part.

4. EXPLODED VIEWS (1)



Note: ※1~5: X-43065-01-0 mask ass'y
▲1~1: X-43065-09-0 rear cover ass'y
●1~5: X-43065-10-2 (brown) cabinet ass'y
X-43065-10-7 (white) cabinet ass'y
↙ : shows changed part
↙ : shows correction

3C0632-1

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