KV-1221R
RM-702

Canadian Model

Chassis No. SCC-266C-A



TRINITRON® COLOR TV

ATTENTION !

POUR ÉLIMINER TOUT RISQUE D'ÉLECTROCUTION ET DE DESTRUCTION DES CIRCUITS ÉLECTRONIQUES, LORS DU DEPANNAGE DE L'APPAREIL, CAPOT ARRIERE ÔTÉ, S'ASSURER QUE CELUI-CI EST BRANCHÉ SUR UN TRANSFORMATEUR D'ISOLATION CORRECTEMENT DIMENSIONNE.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UN TRAMÉ ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES, LES VUES EXPLOSÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DU CIRCUIT QUI SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT SONT IDENTIFIÉS DANS CE MANUEL. SUIVRE LES PROCÉDURES QUAND LES COMPOSANTS CRITIQUES SONT REMPLACÉS OU LE FONCTIONNEMENT IMPROPRE EST SUSPECTÉ.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SONY®

SERVICE MANUAL

SPECIFICATIONS

Television System: Canadian TV standards
Color System: NTSC
Picture Tube: 30.3cm, 12" (screen measured diagonally), 90° deflection TRINITRON system
Semiconductors: 39 transistors, 3 FETs, 13 ICs and 59 diodes (including LED)
Antennas: VHF: 75Ω unbalanced (telescopic dipole antenna *)
UHF: 300Ω balanced (loop antenna *)
* Note: Supplied with accessories
Channel Coverage: VHF channels: 2-13
UHF channels: 14-83
(a total of up to 14 preselected channels)
Intermediate Frequencies: Picture i-f carrier: 45.75MHz
Color subcarrier: 42.17MHz
Sound i-f carrier: 41.25MHz
Sound System: 4.5MHz intercarrier
Output power: 1.5W (at 10% harmonic distortion)
Speaker: 8 x 12cm ($3^1/_8$ x $4^3/_4$ inches) oval, 8Ω

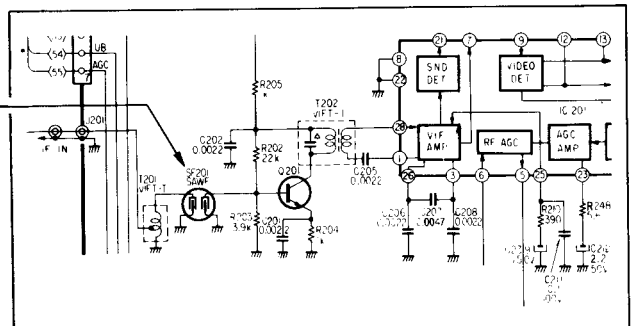
Video System: R.G.B. cathode drive
Automatic Controls: ABL (automatic brightness limiter)
ACC (automatic color control)
ACK (automatic color killer)
ADG (automatic degaussing)
AFC (automatic frequency control)
AFT (automatic fine tuning)
AGC (automatic gain control)
ANC (automatic noise canceller)
APC (automatic phase control)
AVR (automatic voltage regulator)
Anode Voltage: 22kV at zero beam current (no adjustment)
Power Requirements: 120V ac, 60Hz
Power Consumption: 100W ac (max), 71W ac (average)
2.5W ac in standby condition
Dimensions: Approx. 336 (w) x 397 (h) x 400 (d) mm
$13^1/_4$ (w) x $15^5/_8$ (h) x $15^3/_4$ (d) inches
Net Weight: Approx. 12.5kg (27lb 8 oz)
Accessories Supplied: Earphone (ME-208)
VHF telescopic dipole antenna (AN-16)
UHF loop antenna (AN-15)
Antenna connector (EAC-25)
Remote commander (RM-702)
Channel number segments
Instruction manual

NEW DEVICE DESCRIPTION

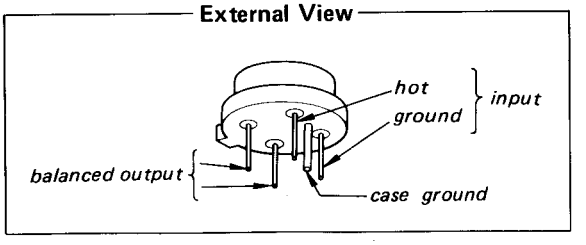
SAWF: Surface Acoustic-Wave Filter

SAWF (SF201) is used for VIF filter in this set instead of L/C filters.

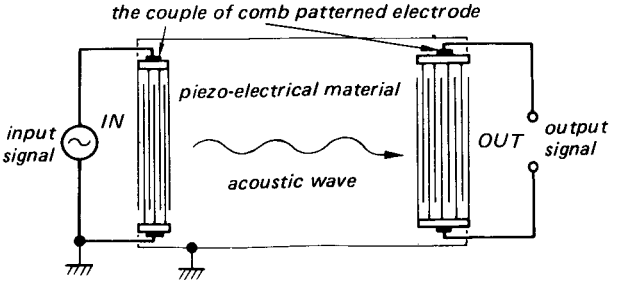
The SAWF consists of two couple of comb patterned electrodes. One is at input side, other at output side. The electrical input signal is changed to the acoustic signal at the input electrodes. The changed acoustic signal is transmitted on the surface of piezo-electrical material. Then the acoustic signal is changed to the electrical signal at the output electrodes.



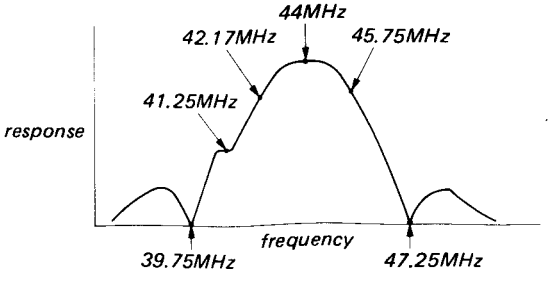
A Board VIF Circuit



— Internal Structure & Principle —

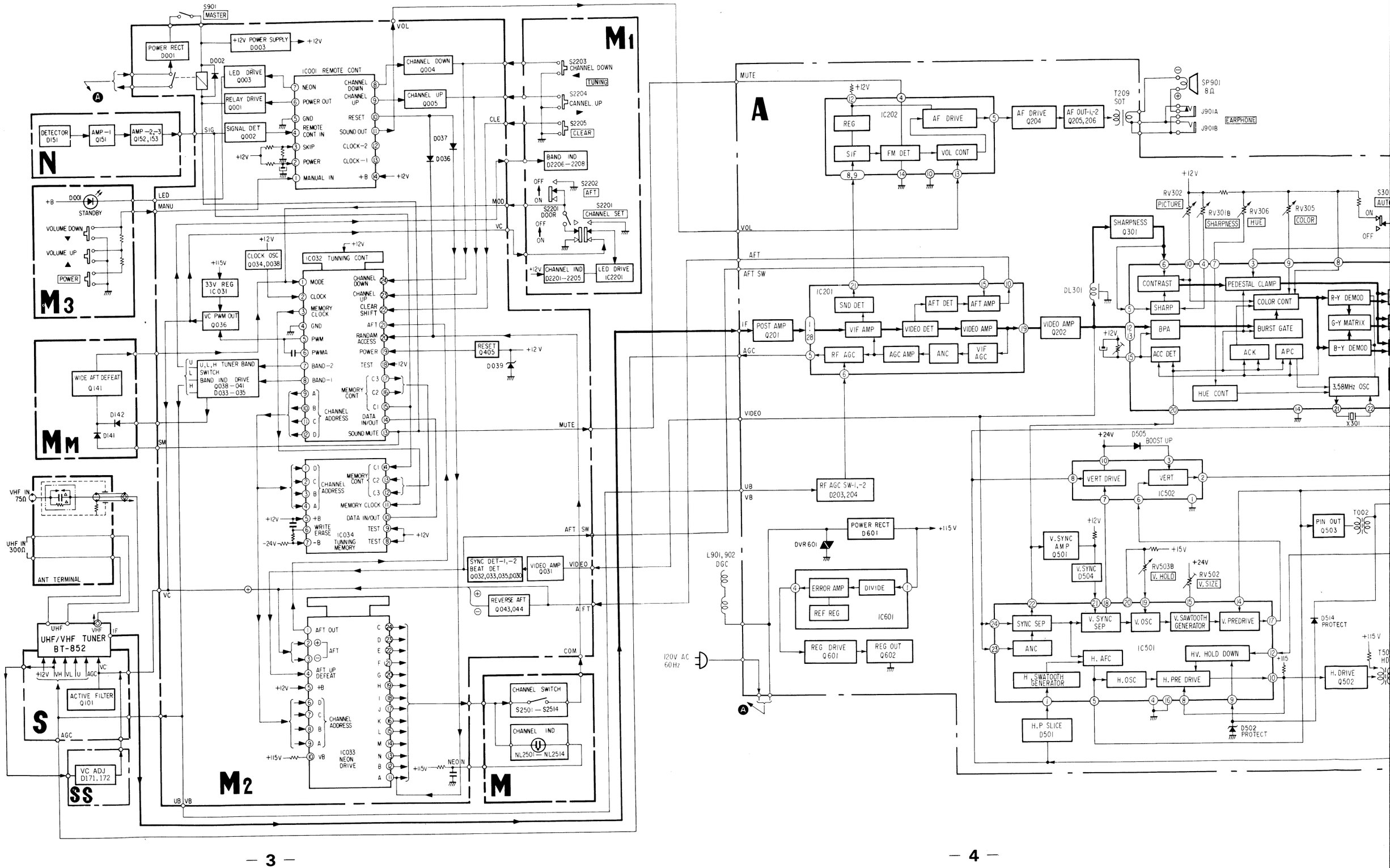


— Frequency-Response Diagram —



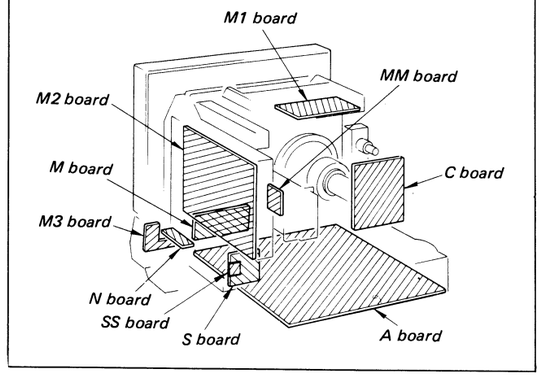
SECTION 1
OUTLINE

1-1. BLOCK DIAGRAM

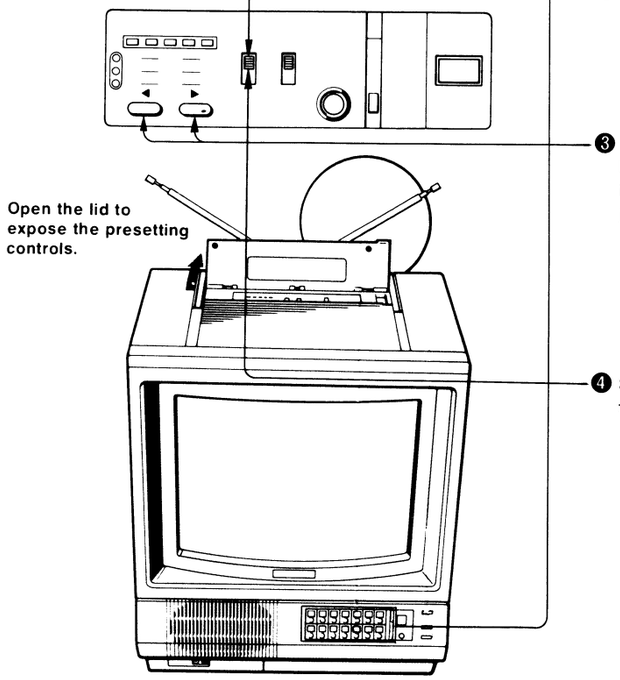


SCC-266C-A KV-1221R

CIRCUIT BOARDS LOCATION



1-2. CHANNEL PRESETTING



❶ Press the Channel-select Button that you wish to preset to receive a station.

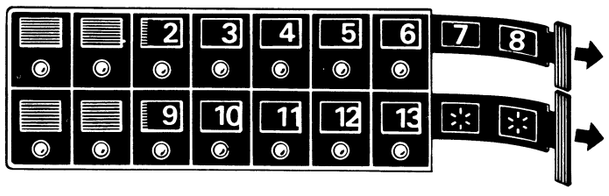
❷ Set the CHANNEL SET Switch to ON. (This switch must be ON for presetting stations, and it must be OFF for rechecking stations already preset).
- The position of the AFT Switch does not matter.

❸ Press the TUNING-up ▶ Button for locating higher numbered channels or the TUNING-down ◀ Button for locating lower numbered channels. (do not hold the button in, just press it momentarily).

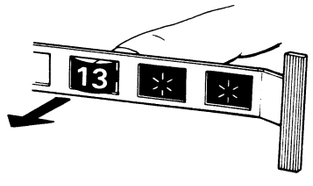
❹ Set the CHANNEL SET Switch to OFF and make sure that the AFT Switch is now set to ON.

1-3. CHANNEL NUMBER SEGMENT SETTING

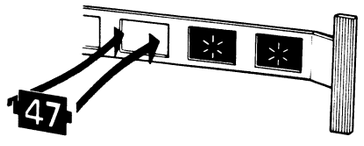
❶ Remove the Channel Indicator Sheets.



❷ Press the segment out from the rear.



❸ Install the correct number segment.

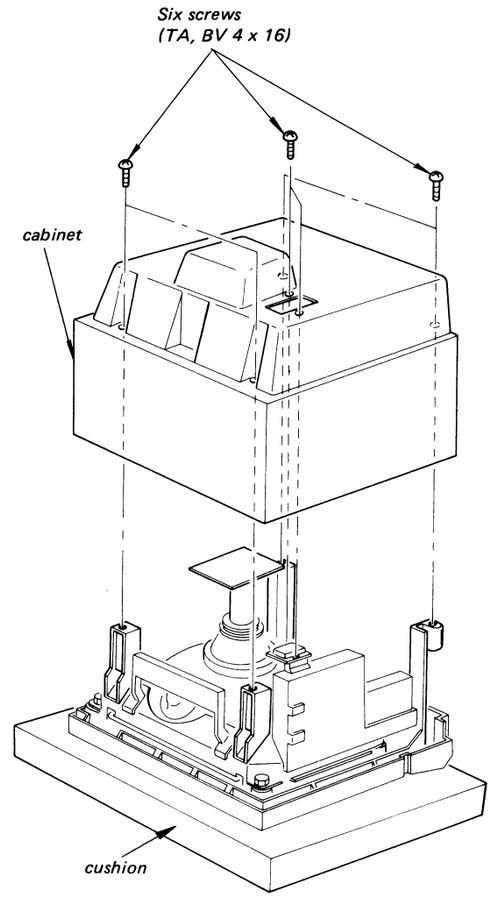


❹ Replace the sheets in the original position.

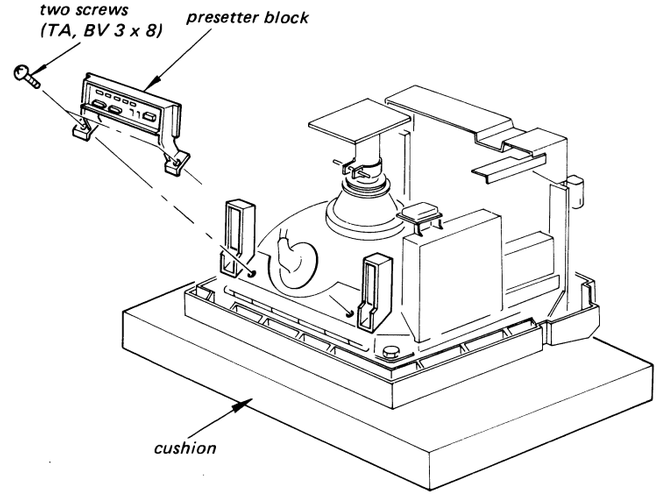
SECTION 2
DISASSEMBLY

Note: • Follow the disassembly procedure in the numerical order given.

2-1. CABINET REMOVAL



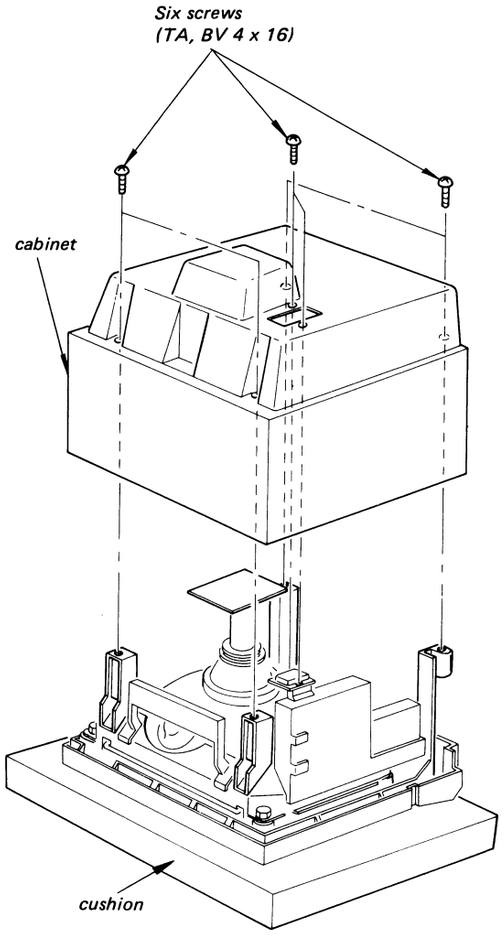
2-2. PRESET SECTION REMOVAL



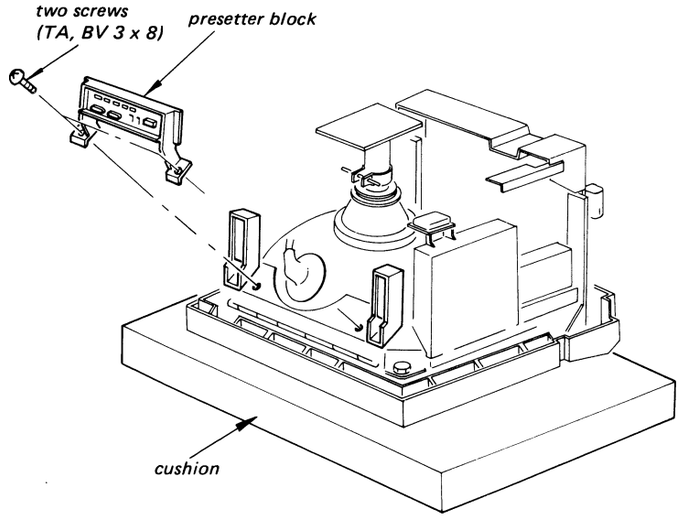
SECTION 2
DISASSEMBLY

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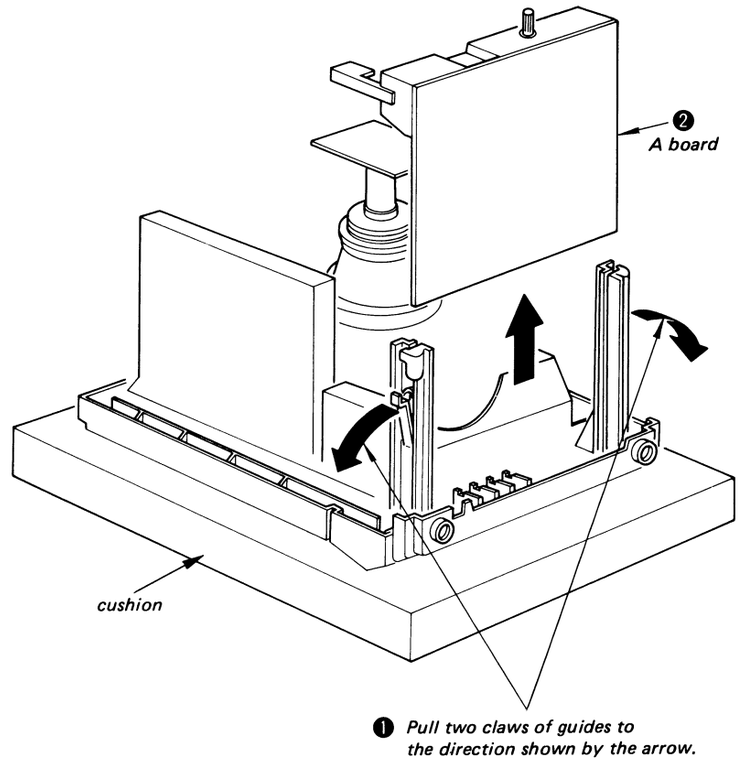
2-1. CABINET REMOVAL



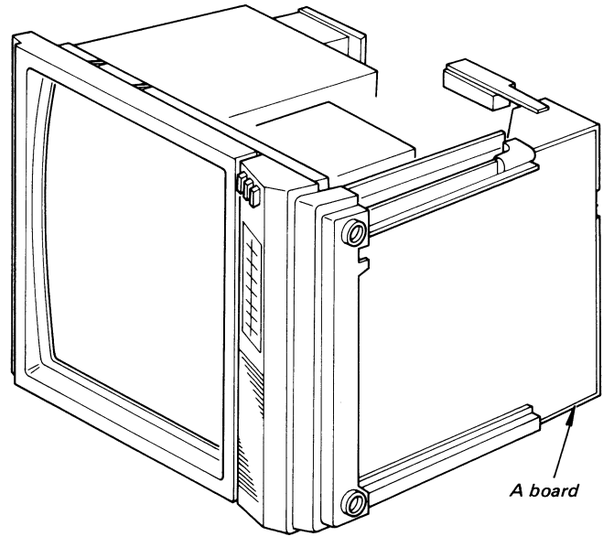
2-2. PRESET SECTION REMOVAL



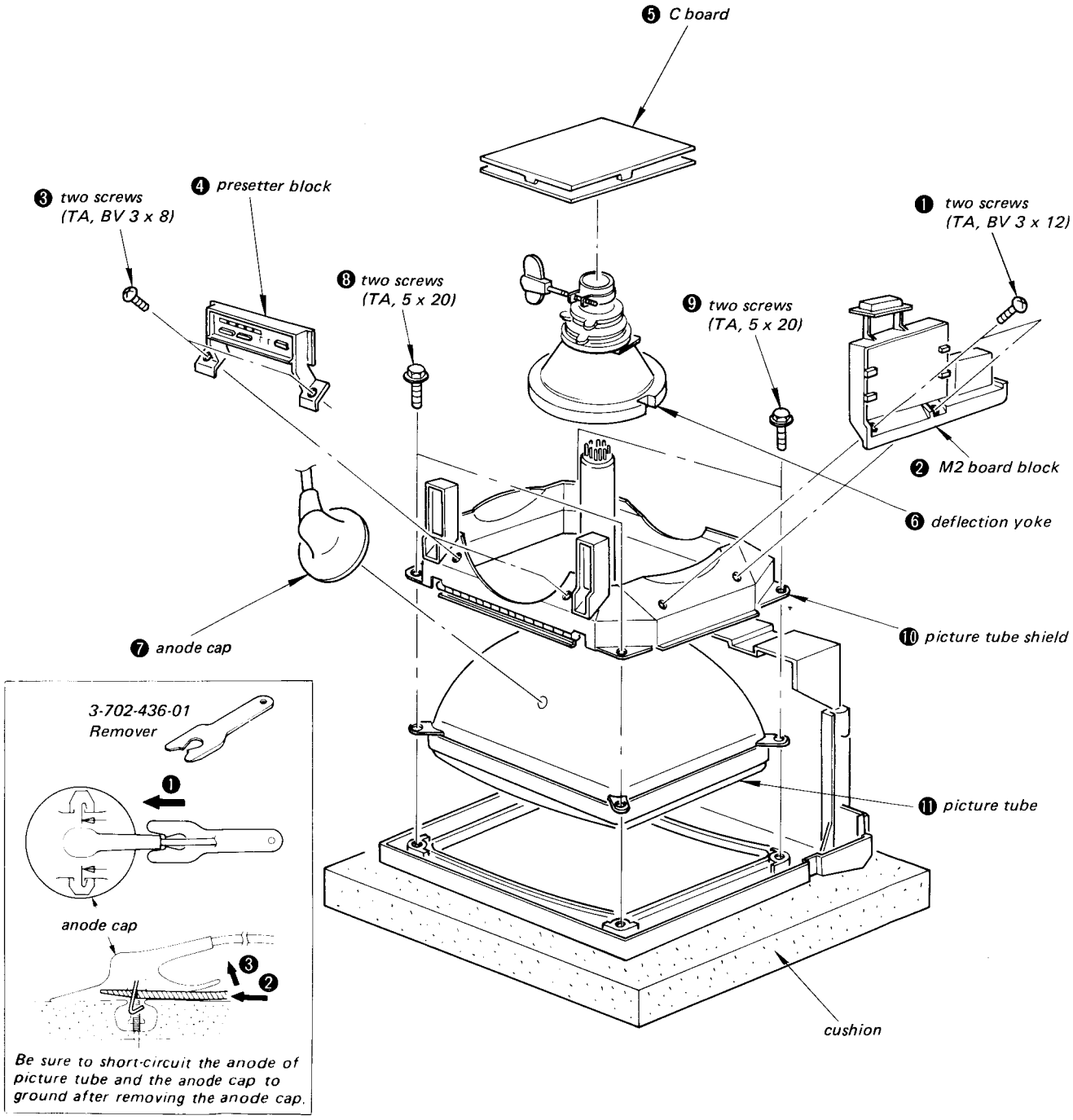
2-3. A BOARD REMOVAL



2-4. FOR CHECKING A BOARD UP



2-5. PICTURE TUBE REMOVAL



Be sure to short-circuit the anode of picture tube and the anode cap to ground after removing the anode cap.

SECTION 3
SETUP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switches should be set as follows unless otherwise noted:

PICTURE control . . . . .maximum (fully clockwise)
BRIGHT control . . . . . .maximum (fully clockwise)
AFT switch . . . . . ON (close channel presetting compartment lid)

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. White Balance

Note: Test Equipment Required.
1. Color-bar/Pattern Generator
2. Degausser

3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Adjust purity control as shown in Fig. 3-1.
3. Slide deflection yoke as far forward as it will go.
4. Disconnect leads Ⓑ and Ⓖ on the C board.
5. Adjust purity control to center vertical red band as shown in Fig. 3-2.
6. Slide deflection yoke back for a uniform red screen.
7. Check green and blue rasters for uniformity by performing the same way as steps 4, 5 and 6.
   To get a uniform green screen, connect lead Ⓖ on the C board and disconnect leads Ⓡ and Ⓑ
   To get a uniform blue screen, connect lead Ⓑ on the C board and disconnect leads Ⓡ and Ⓖ
   After these checks, connect the leads Ⓡ , Ⓖ and Ⓑ
8. Tighten the deflection yoke screw.
9. Check if mislanding appears at corners a–d as shown in Fig. 3-3. If mislanding is observed, correct it as shown in Fig. 3-3.
10. Confirm that beam landing is correct when the receiver is faced in all directions.

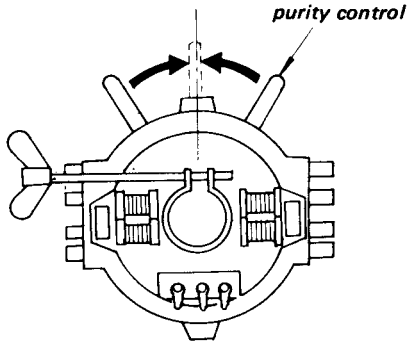


Fig. 3-1.

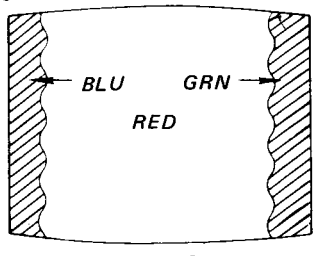


Fig. 3-2.

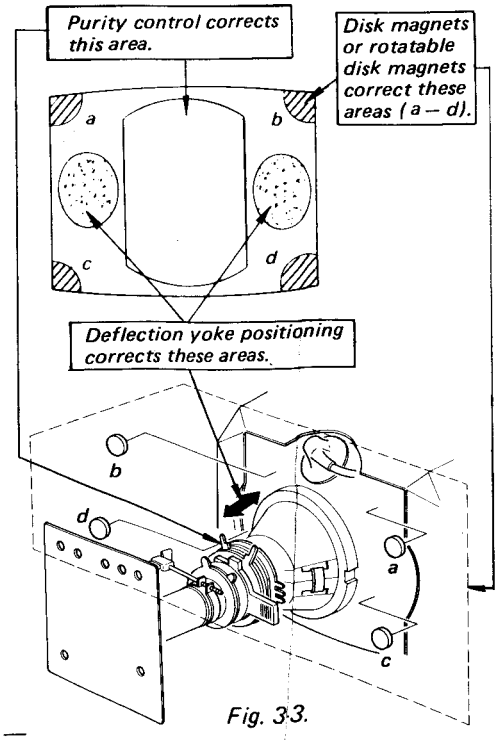
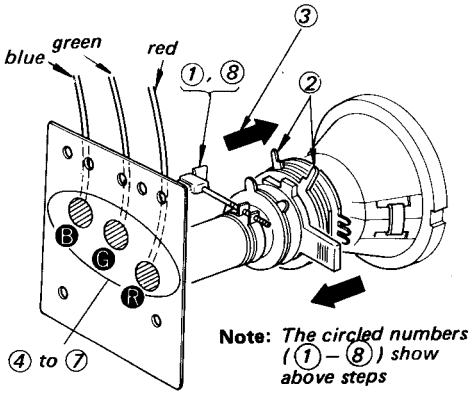


Fig. 3-3.



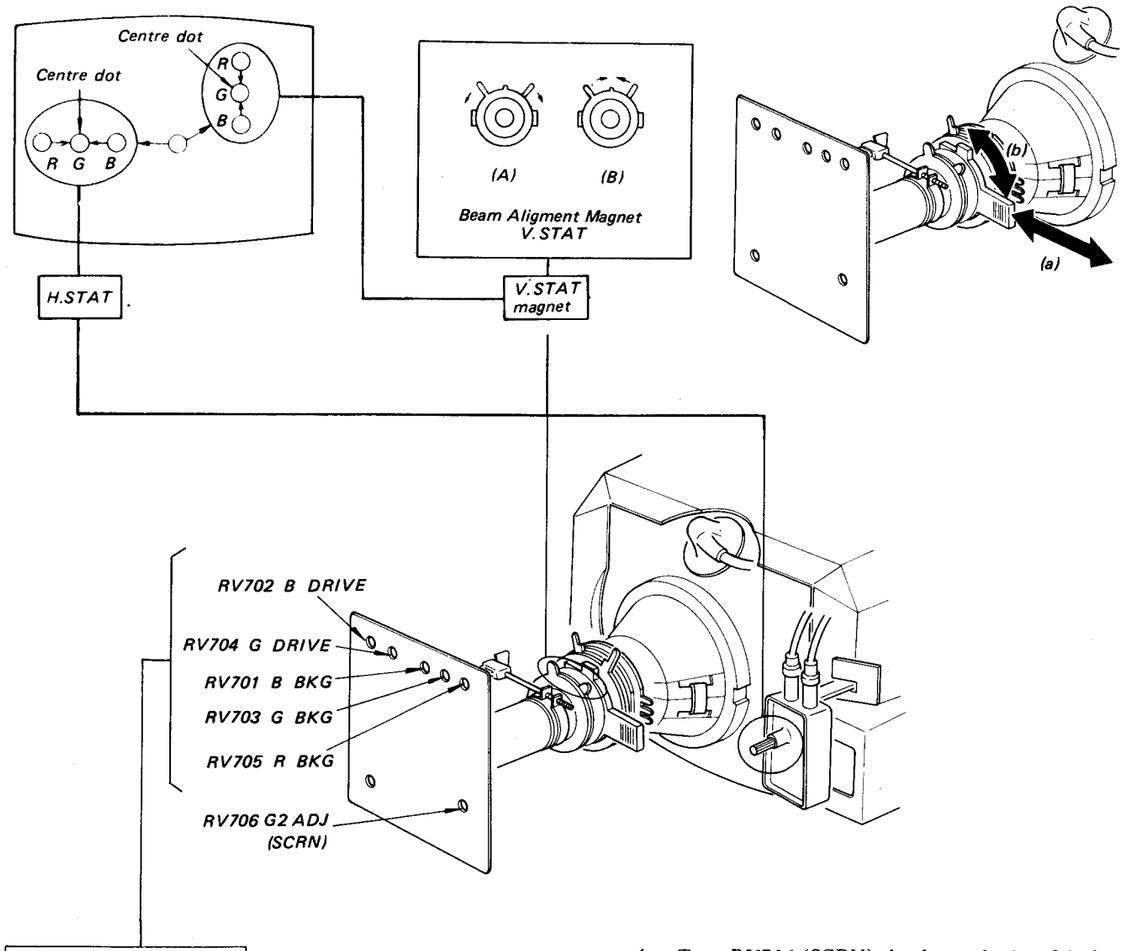
Note: *The circled numbers (① – ⑧) show above steps*

3-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H.SIZE and V.SIZE adjustments.
- Set BRIGHT control to fully counterclockwise.
- Feed in the dot patter.

(1) Horizontal and Vertical Static Convergence



If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

3-3. WHITE BALANCE

Feed in the cross-hatch pattern.

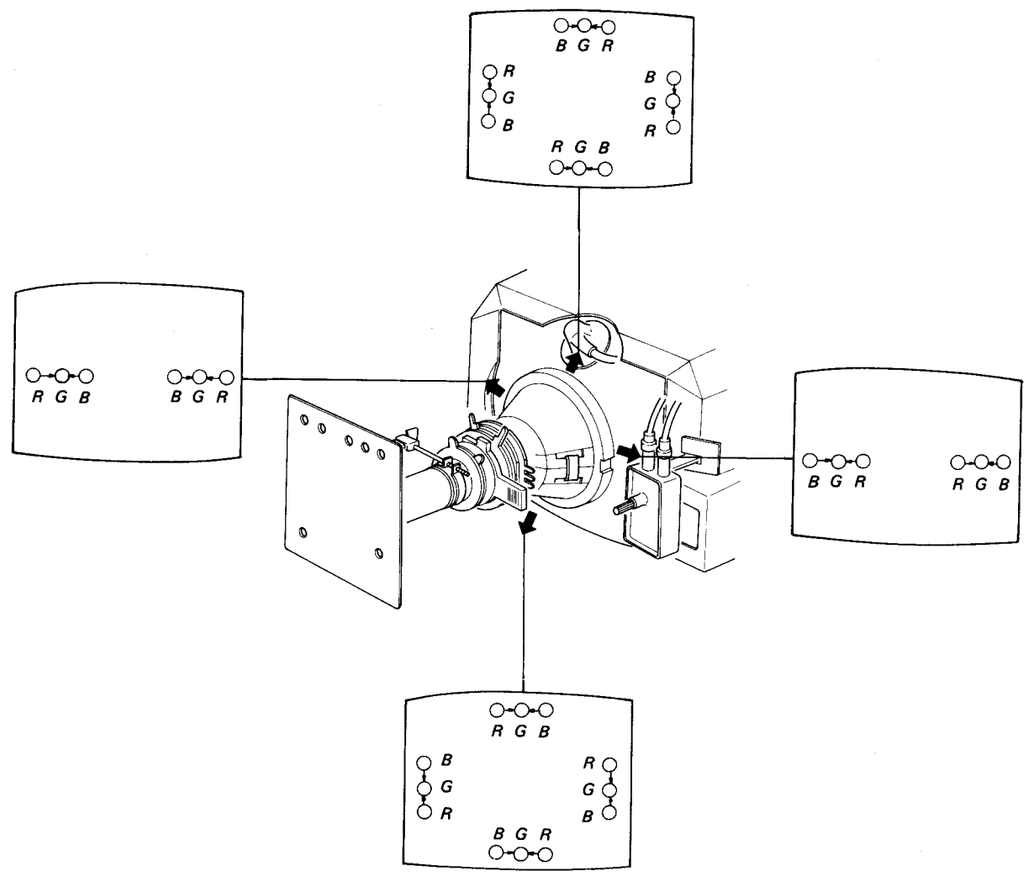
1. Turn PICTURE and BRIGHT controls fully counterclockwise.
2. Turn RV702 (B.DRIVE) and RV704 (G. DRIVE) fully clockwise.
3. Set RV701 (B.BKG), RV703 (G.BKG), and RV705 (R.BKG) to mechanical center.
4. Turn RV706 (SCRN) slowly to obtain a faintly visible cross-hatch. Note the color that first becomes visible by turning RV706. Do not turn a BKG control for this color.
5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
6. Turn PICTURE and BRIGHT controls fully clockwise. Observe the screen and adjust the DRIVE controls for best white balance.
7. Repeat Steps 1 through 6 several times.

(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



SECTION 4
CIRCUIT ADJUSTMENTS

Note: (1) TEST EQUIPMENT REQUIRED

1. Oscilloscope
2. Digital multimeter
3. Color-bar/pattern generator
4. Variable auto-transformer
5. Isolation transformer
6. Regulated-dc power supply

(2) INPUT SIGNAL

When making these adjustments, supply a color-bar or an off-air signal.

(3) CONTROL SETTINGS

Controls and switches should be set as follows when making checks and adjustments unless otherwise noted.

PICTURE control, BRIGHT control, COLOR control } Set for best picture
V.HOLD control . . . . . .Set for stable picture
AFT switch. . . . . ON (close channel presetting compartment lid)

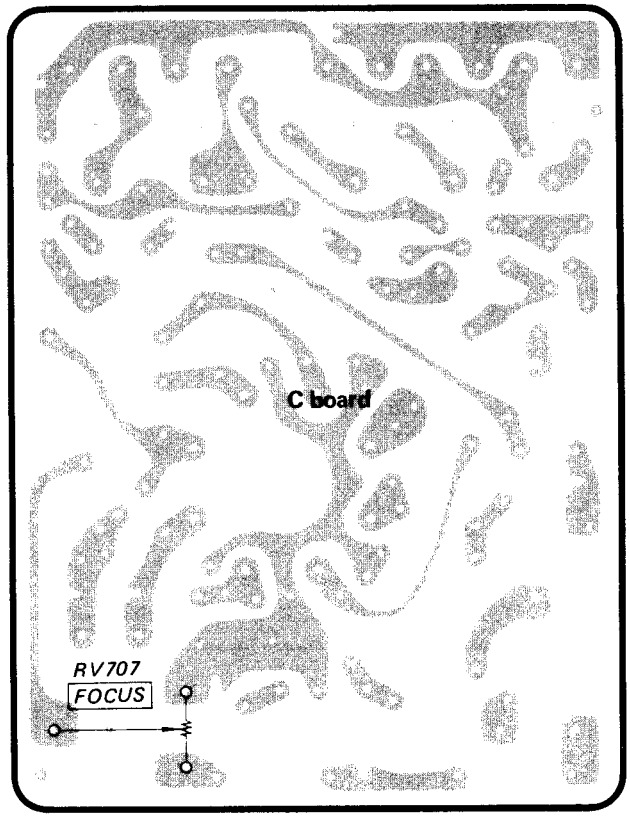
(4) These adjustments should be performed with the rated power supply voltage unless otherwise noted.

(5) CIRCUIT ADJUSTMENTS

Adjustment	Circuit Board	Page
FOCUS	C	14
VC ADJ	SS	14
R563 adjustment	A	15 – 17
COLOR SYNC		
H. FREQ		
PIN AMP		
SUB BRT		
ACC		
SIF		
SUB CONTRAST		
RF AGC		
CHECK AFTER IC601 REPLACED		
FREQ ADJ	M_2	18, 19
CLOCK ADJ		

4-1. C BOARD ADJUSTMENT

FOCUS *Adjust RV707 for best focus.*



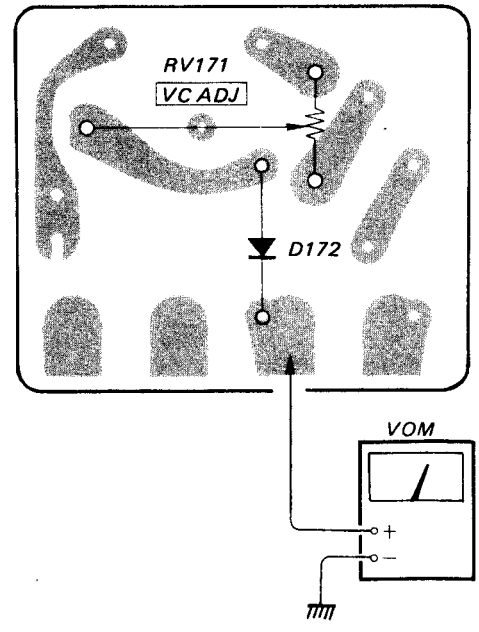
4-2. SS BOARD ADJUSTMENT

VC ADJ

1. *Turn RV171 for a minimum reading on VOM.*
2. *Slide the CHANNEL SET switch to ON and press the CLEAR and the TUNING ▶ buttons.*
3. *Slide the CHANNEL SET switch to OFF just when the yellow band indicator lamp lights.*
4. *Feed in the TV signal (fv = 169.25MHz).*
5. *Adjust RV171 for a best tuning position.*
6. *Feed in an off-air signal and confirm that the channel-7 is properly received.*

Simple Method:

1. *Turn RV171 for a minimum reading on VOM.*
2. *Feed in an off-air signal and receive the channel-7.*
3. *Note the voltage to subtract 1.5V from the VOM reading.*
4. *Slide the CHANNEL SET switch to ON and press the CLEAR button.*
5. *Press the TUNING ▶ button several times, until the yellow band indicator lamp lights. Slide the CHANNEL SET switch to OFF just when the yellow lamp lights.*
6. *Adjust RV171 for the noted voltage at step 3 on VOM.*
7. *Confirm that the channel-7 is properly received.*



4-3. A BOARD ADJUSTMENTS

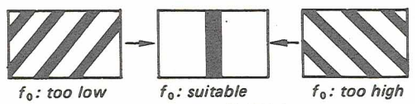
R563 Adjustment

When replacing the following components, make this adjustment.
D502, C505, IC501, R508, R528, R529, R563

1. *Supply the 18.2 to 18.4 V dc to TP85 with the regulated-dc power supply and confirm that the HV hold down circuit operates.*
   (When the HV hold down circuit operates, raster disappears.)
   Note: As soon as the HV hold down circuit operates, turn the POWER switch OFF.
2. *Supply the 119 to 121 V dc to TP91 (115V line) with the regulated-dc power supply and confirm that the set is normally operated on any of all channels.*
   (The HV hold down circuit does not operated.)
3. *When the set is normally operated with 120 V ac, confirm that the voltage at TP85 is 13.5 to 16.5 V dc.*
4. *If steps 1 to 3 are not satisfied, select the resistance value of R563 and repeat above steps.*

H. FREQ

1. *Tune in an off-air signal.*
2. *Adjust PICTURE, BRIGHT and V. HOLD control for the suitable and stable picture.*
3. *Short-circuit between the pins 24 of IC501 and ground with a jumper during this adjustment.*
4. *Adjust RV501 for the stable picture as shown.*



5. *Confirm that the stable picture is obtained on other channels.*

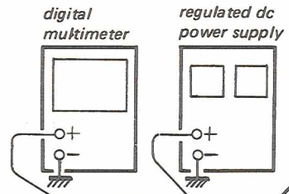
COLOR SYNC

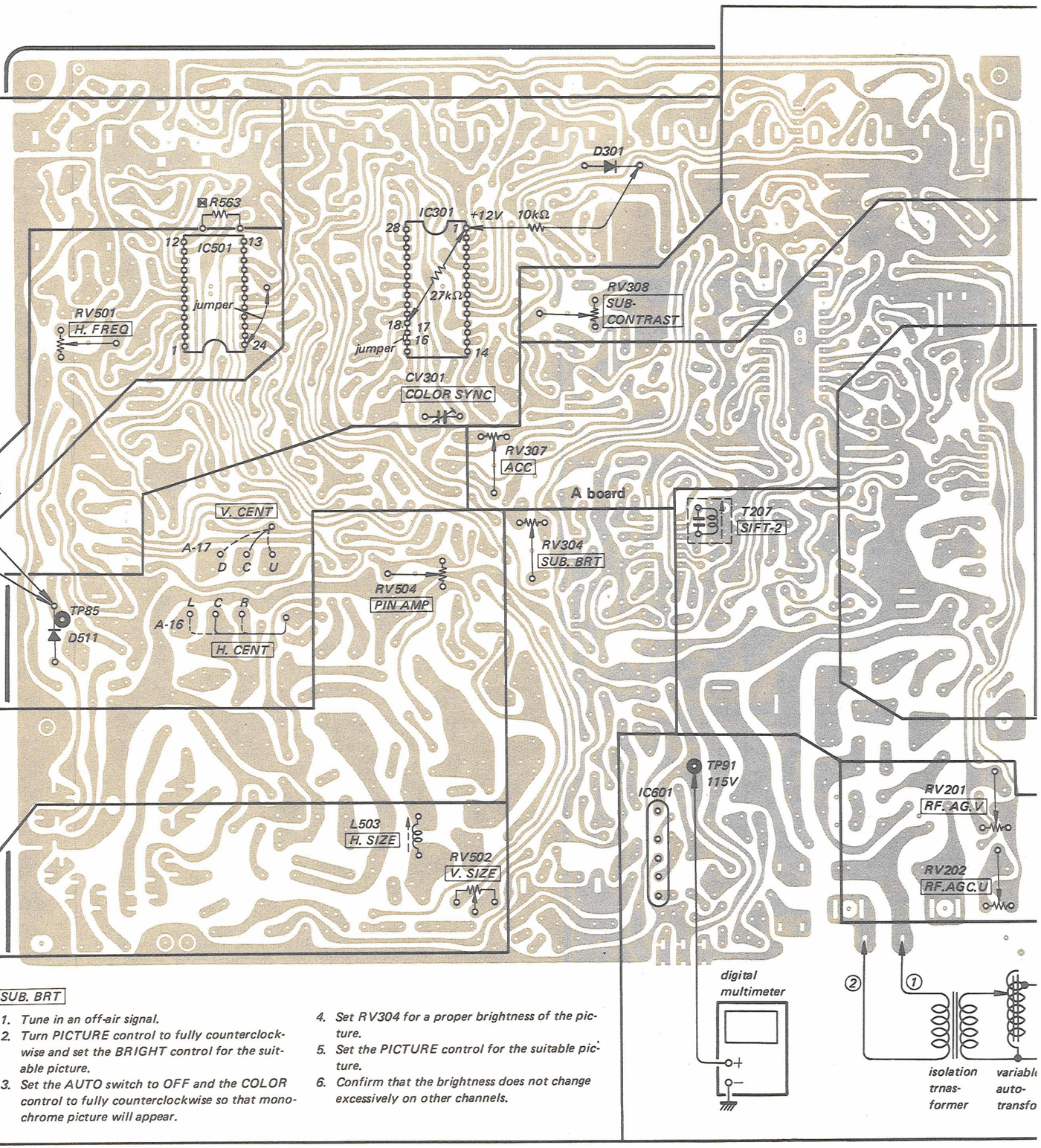
1. *Feed in a color-bar signal from color-bar/pattern generator.*
2. *Set the switch and controls as shown below.*
   AUTO switch ..... ON
   BRIGHT control } ..... mechanical center
   COLOR control }
   PICTURE control ..... fully clockwise
3. *Connect a resistor (27kΩ) between the pins 18 and 1 of IC301.*
4. *Connect a resistor (10kΩ) between D301 cathode and pin 1 of IC301.*
5. *Short-circuit between the pins 16 and 17 of IC301 with a jumper.*
6. *Adjust CV301 to obtain the stable color picture.*
7. *Disconnect the 27kΩ resistor, 10kΩ resistor and the jumper.*

PIN AMP

Adjust RV504 to make vertical lines straight as shown below.

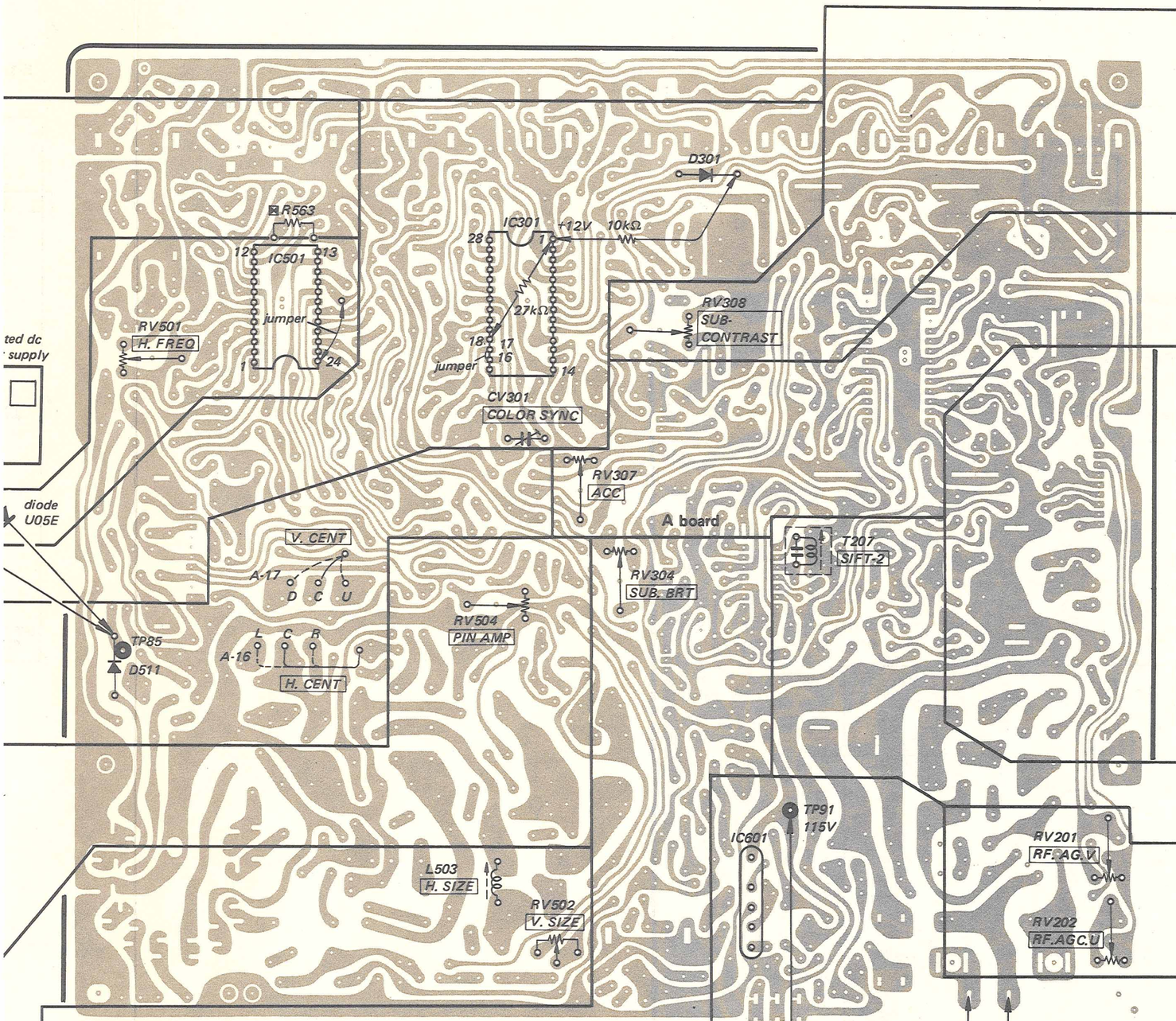






SUB. BRT

1. *Tune in an off-air signal.*
2. *Turn PICTURE control to fully counterclockwise and set the BRIGHT control for the suitable picture.*
3. *Set the AUTO switch to OFF and the COLOR control to fully counterclockwise so that monochrome picture will appear.*
4. *Set RV304 for a proper brightness of the picture.*
5. *Set the PICTURE control for the suitable picture.*
6. *Confirm that the brightness does not change excessively on other channels.*



SUB. CONTRAST

1. *Tune in an off-air signal.*
2. *Set the PICTURE and BRIGHT controls to the suitable picture.*
3. *Set AUTO switch to OFF and turn the COLOR control to counterclockwise to obtain the mono-chrome picture.*
4. *Adjust RV308 for the suitable picture contrast.*
5. *Confirm that contrast does not change excessively on other channels.*

ACC

1. *Tune in a strong off-air signal.*
2. *Set AFT switch to ON.*
3. *Set COLOR and PICTURE control to mechanical center.*
4. *Adjust RV307 for suitable color intensity.*

SUB. BRT

1. *Tune in an off-air signal.*
2. *Turn PICTURE control to fully counterclockwise and set the BRIGHT control for the suitable picture.*
3. *Set the AUTO switch to OFF and the COLOR control to fully counterclockwise so that mono-chrome picture will appear.*
4. *Set RV304 for a proper brightness of the picture.*
5. *Set the PICTURE control for the suitable picture.*
6. *Confirm that the brightness does not change excessively on other channels.*

SIF

1. *Tune in an off-air signal.*
2. *Adjust T207 for maximum clear-sound.*

RF AGC

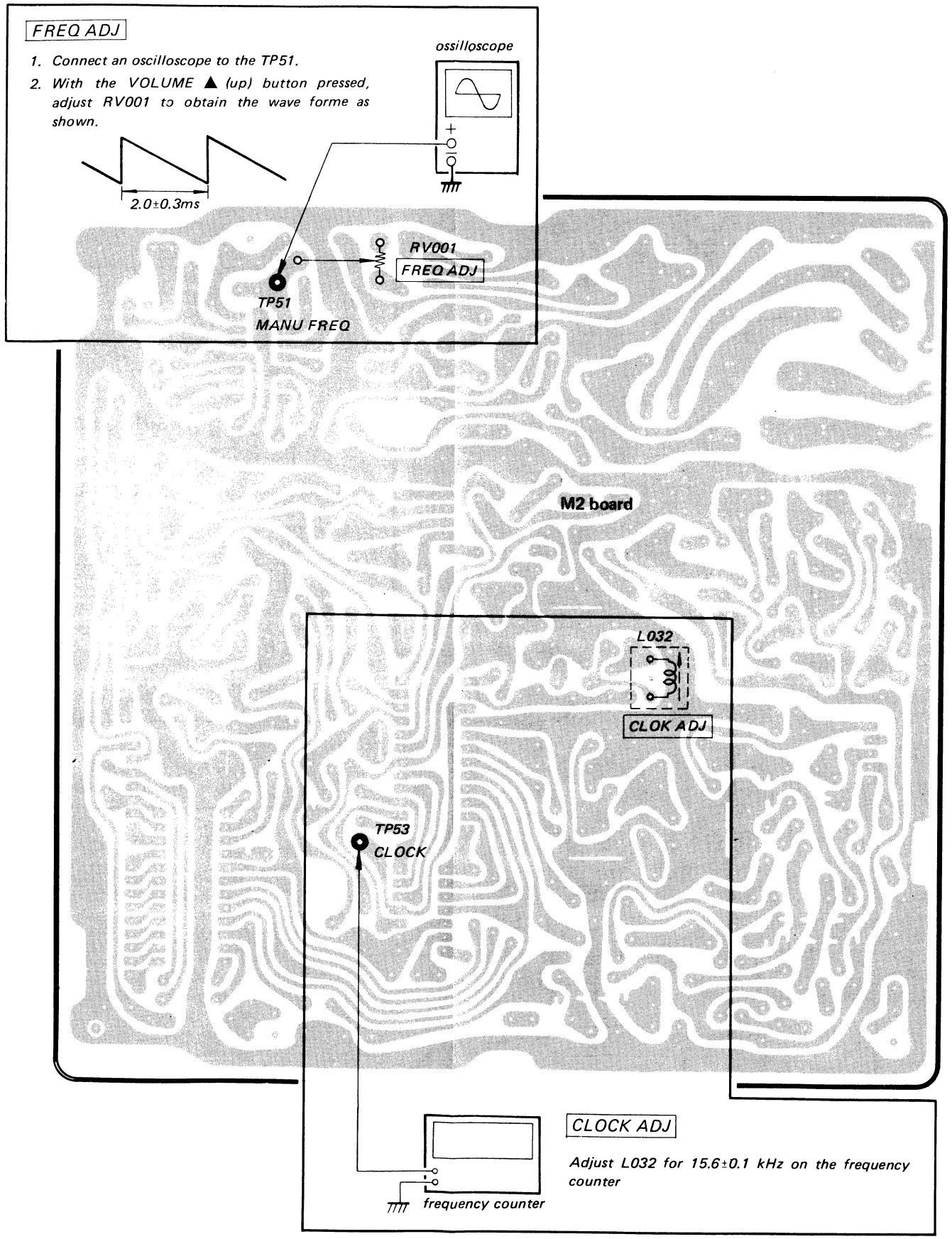
1. *Tune in an off-air signal.*
2. *Adjust RV201 and RV202 so that snow-noise and cross-modulation just disappear from the picture.*

CHECK AFTER IC601 REPLACED

When IC601 is replaced, make this check certainly.

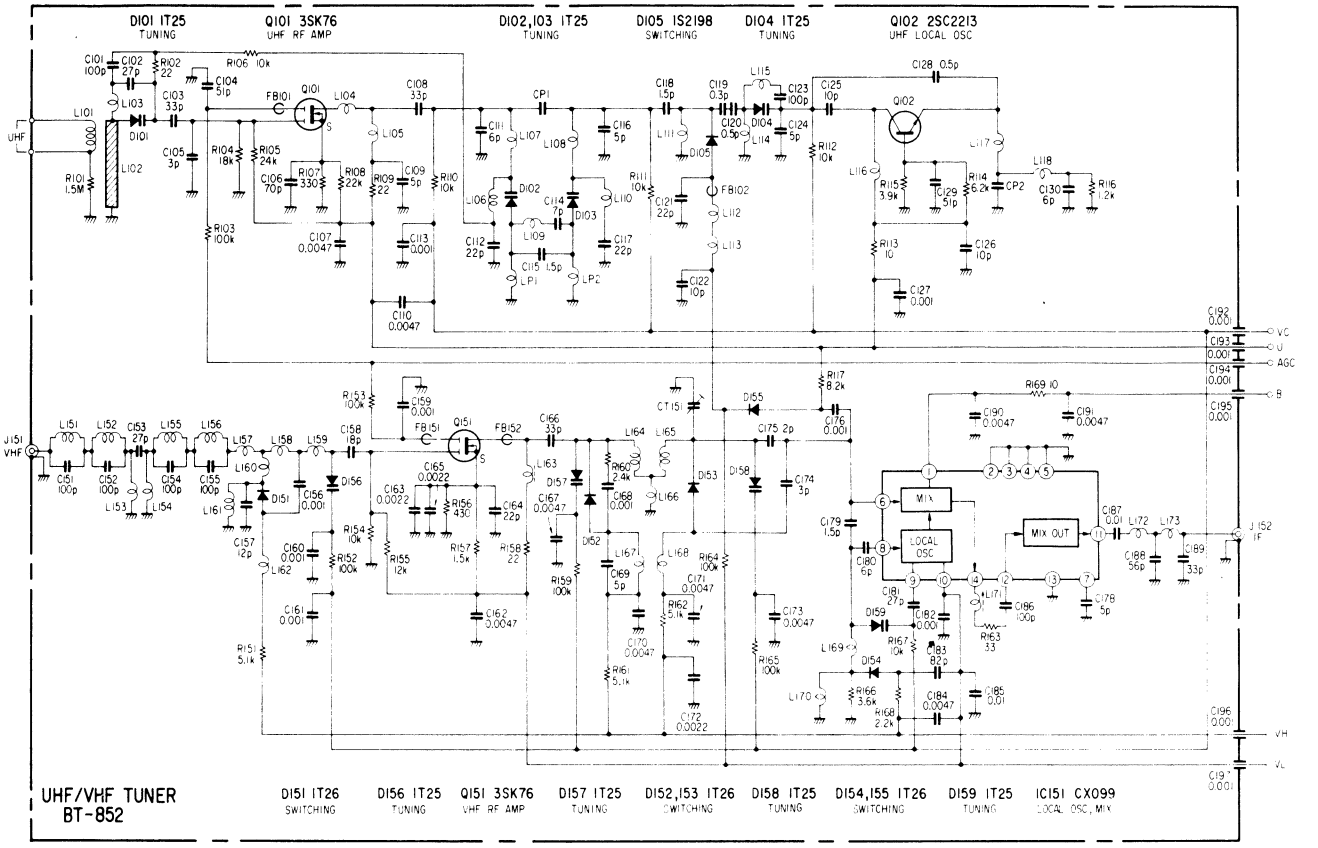
1. *Feed in a dot pattern signal from color-bar/ pattern generator.*
2. *Supply 130 V ac to the point as shown with variable auto-transofrmer.*
3. *Set the BRIGHT control to mechanical center.*
4. *Set the PICTURE control to mechanical center.*
5. *Confirm the voltage on digital multimeter is less than 117V dc.*
6. *If step 5 is not satisfied, replace IC601 and repeat above steps.*

4-4. M2 BOARD ADJUSTMENTS



SECTION 5
DIAGRAMS

5-1. UHF/VHF TUNER SCHEMATIC DIAGRAM



- Tuner reference numbers are not included in the Electrical Parts List.

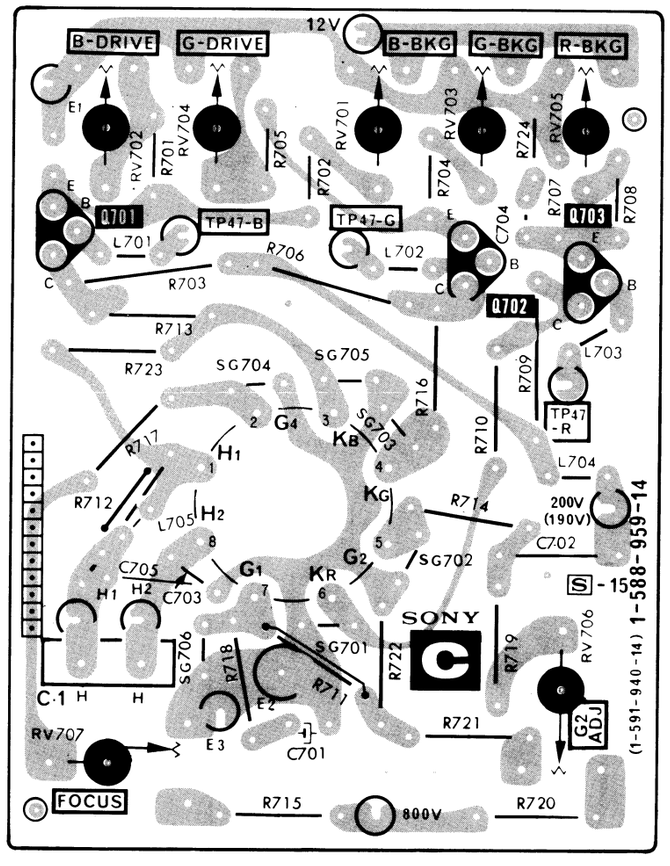
5-2. MOUNTING DIAGRAM — *Conductor Side* —

C [R, G, B OUT]

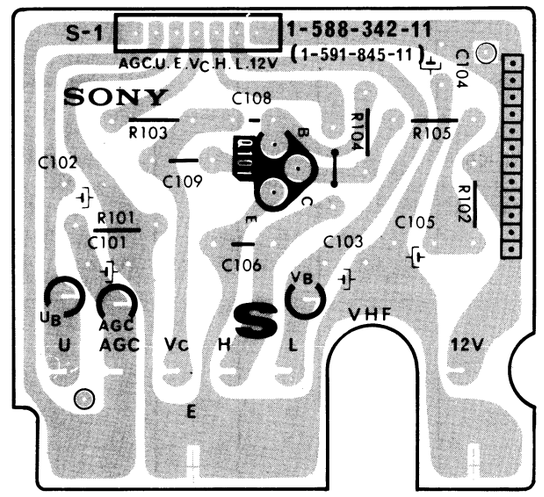
S [TUNER, ACTIVE FILTER]

SS [VC ADJ]

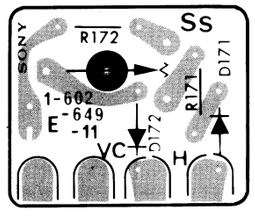
— C Board —



— S Board —



— SS Board —



M2 M2

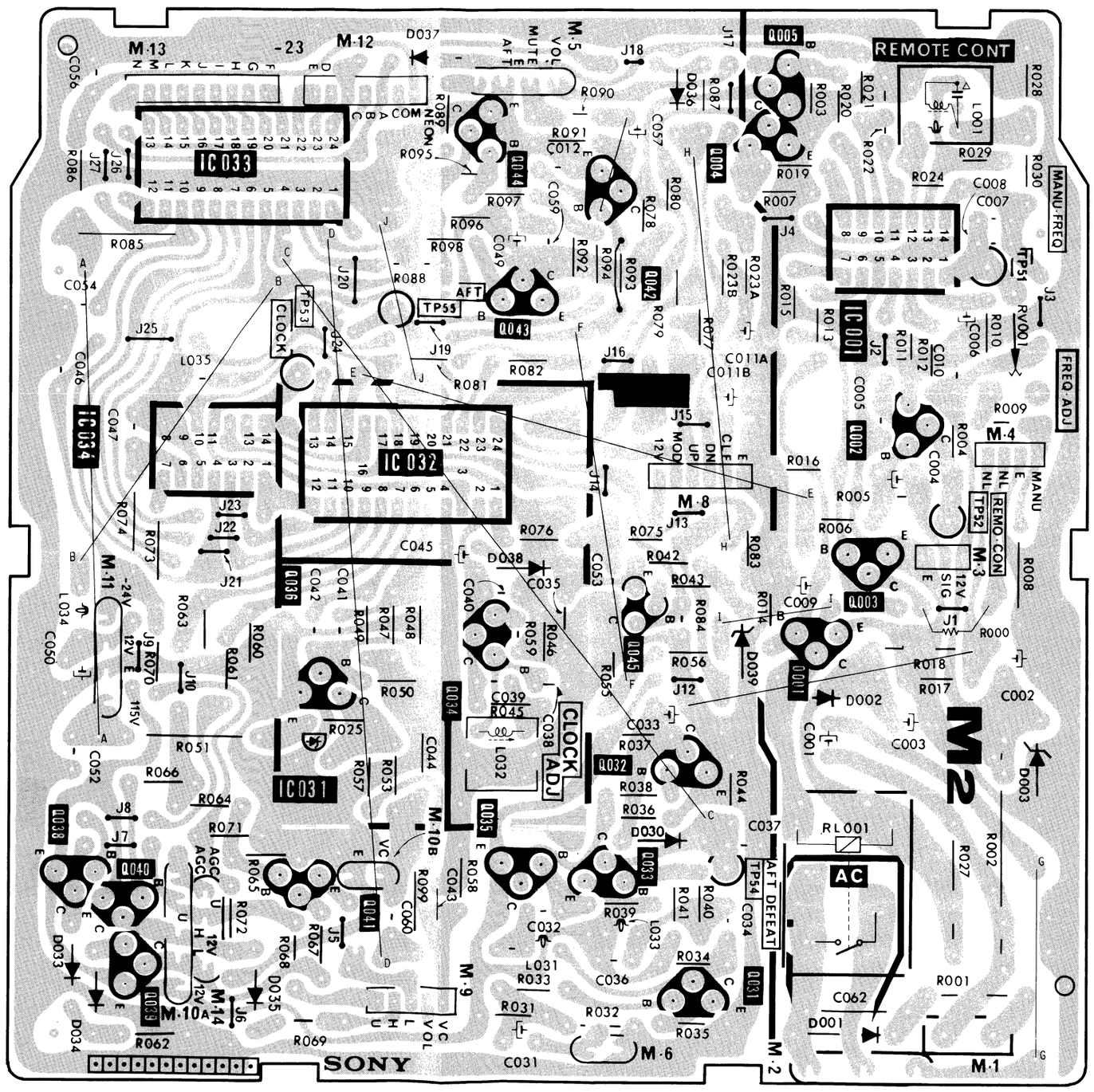
BAND SWITCH, TUNING MEMORY
REMOTE CONT, NEON DRIVE,
TUNING CONT

A B C D E F G

1
2
3
4
5

— M2 Board —

Q , IC	D	ADJ
	037	
005	036	
044, 004		
IC033		
042		
IC001		
043		
		RV001
002		
IC034 IC032		
003	038	
045		
034 001	039	
036	002	
032	003	L032
IC031		
	030	
038,041,035 040 033		
039	033	
031	034 035	
	001	
Q , IC	D	ADJ



[CHANNEL PRESET] **M1**

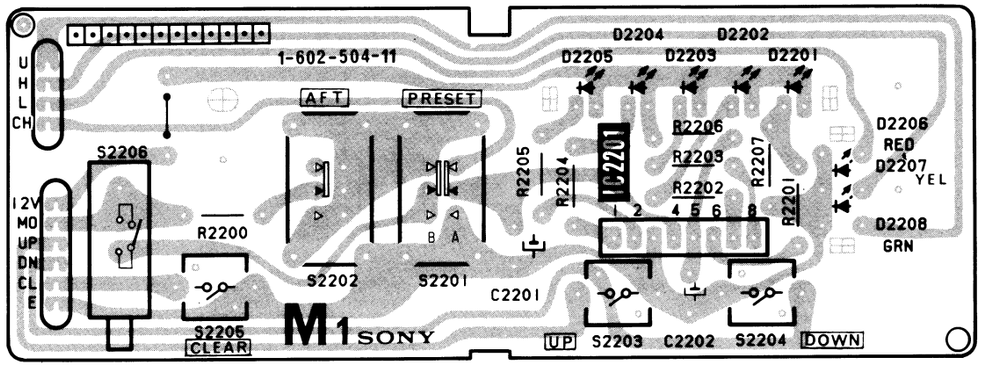
[CHANNEL SELECT, INDICATOR LAMP] **M**

[SWITCH] **M3**

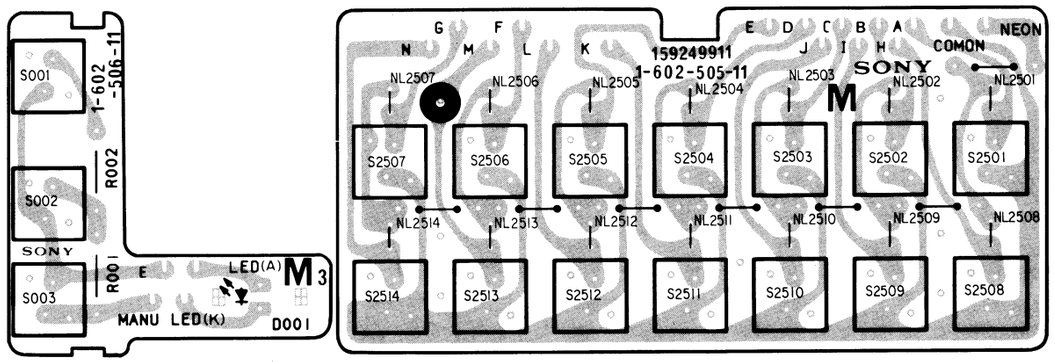
MM [WIDE AFT DEFEAT]

N [DETECTOR, INF AMP]

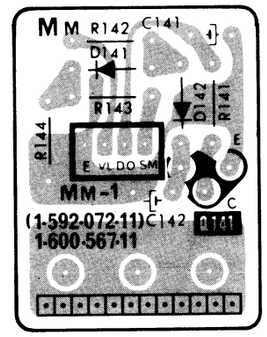
– M1 Board –



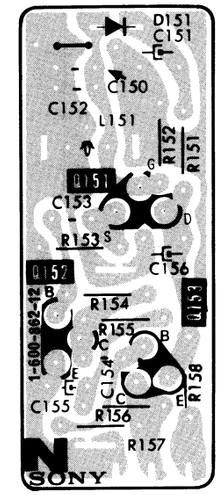
– M and M3 Board –



– MM Boards –



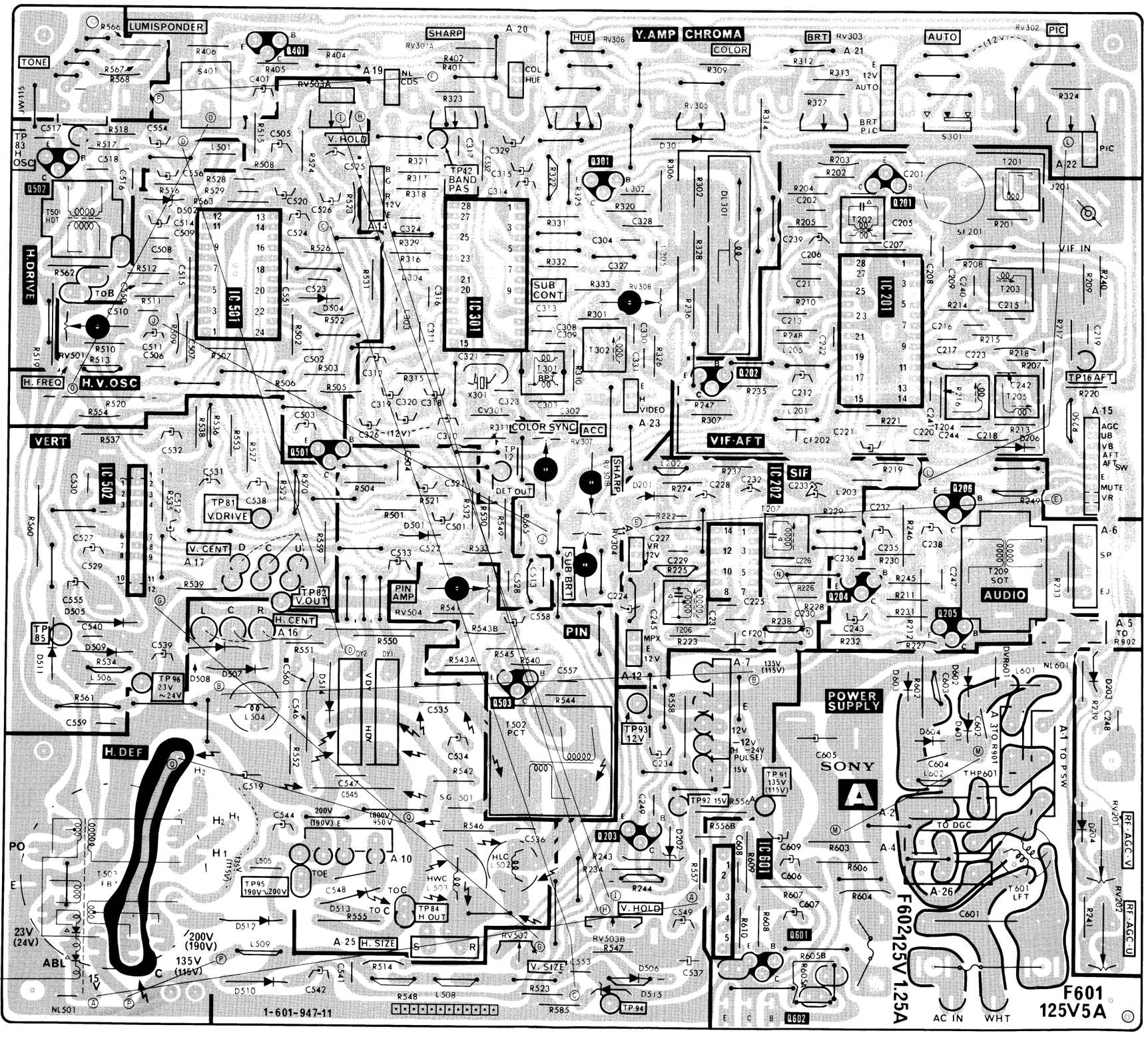
– N Board –



A **A** VIF, SIF, CHROMA, Y.AMP, H.DEF, V. DEF, AF.OUT, CUSTOMER CONTROL, POWER SUPPLY

— A Board —

IC	Q	D	ADJ
	401		
		301	
	502 301, 201		
		502	
501, 301 201			
		504	RV308
			RV501
	202		
			CV301 RV307
	501	206	
	206	201	
			T207 RV301B
502 202		501	RV304
	204		
			RV504
	205		
		505	T206
		508 511, 509	
	503	507 203 603, 602 514 601 604	
	203	204	
		202	
			RV201
		513	L503
601			
		512	
	601		RV502 RV202
		506 510, 515	
	602		



5-3. SCHEMATIC DIAGRAM

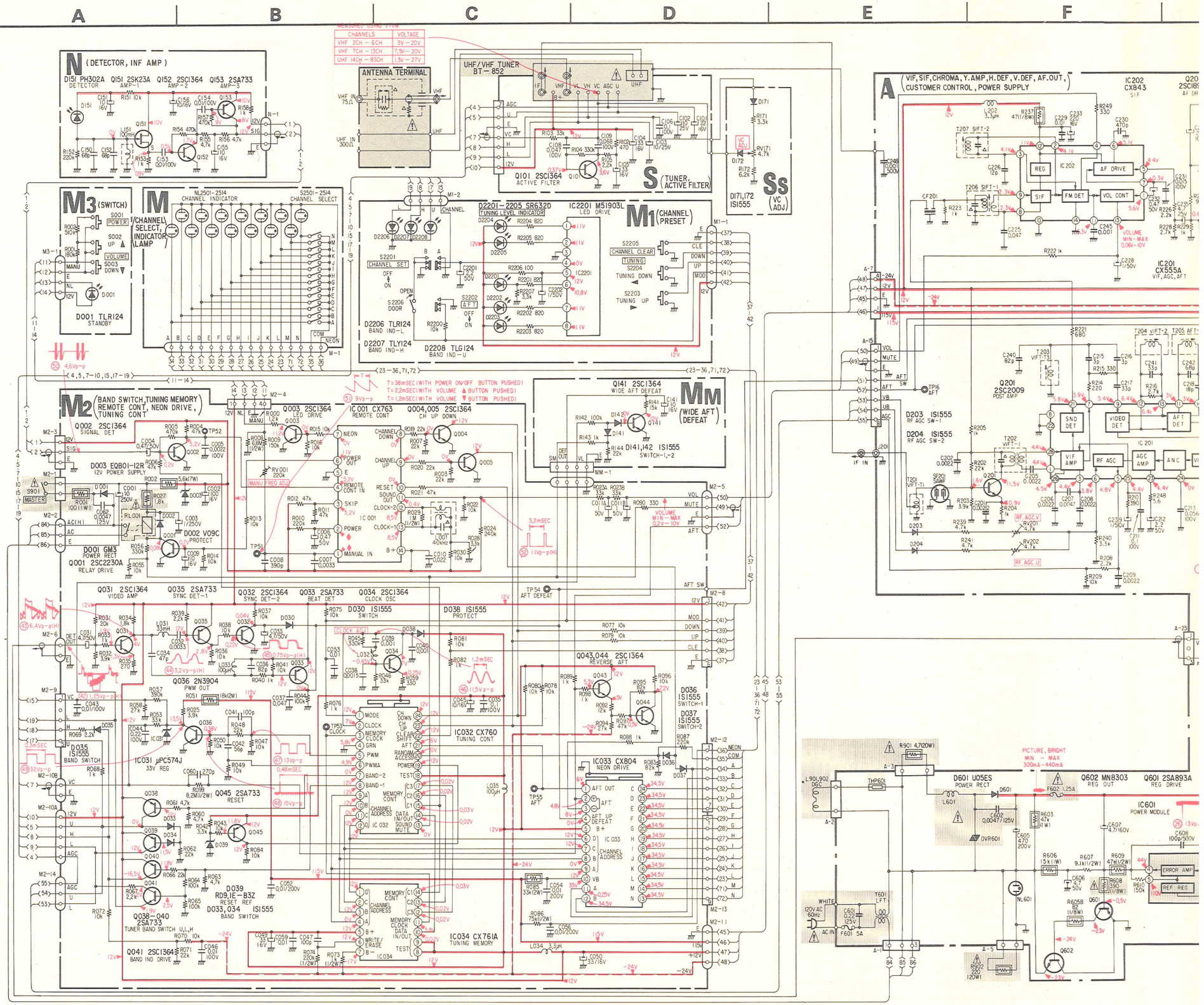
Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼W unless otherwise noted. kΩ: 1000 Ω, MΩ: 1000 kΩ
- : nonflammable resistor.
- △ : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ⊠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⊠ and repeat the adjustment until the spedified value is achieved. (Refer to R563 adjustment on page 15).
  When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (◪)	Adjustment
C505, D502, IC501, R508, R528, R529, R563	R563 adjustment

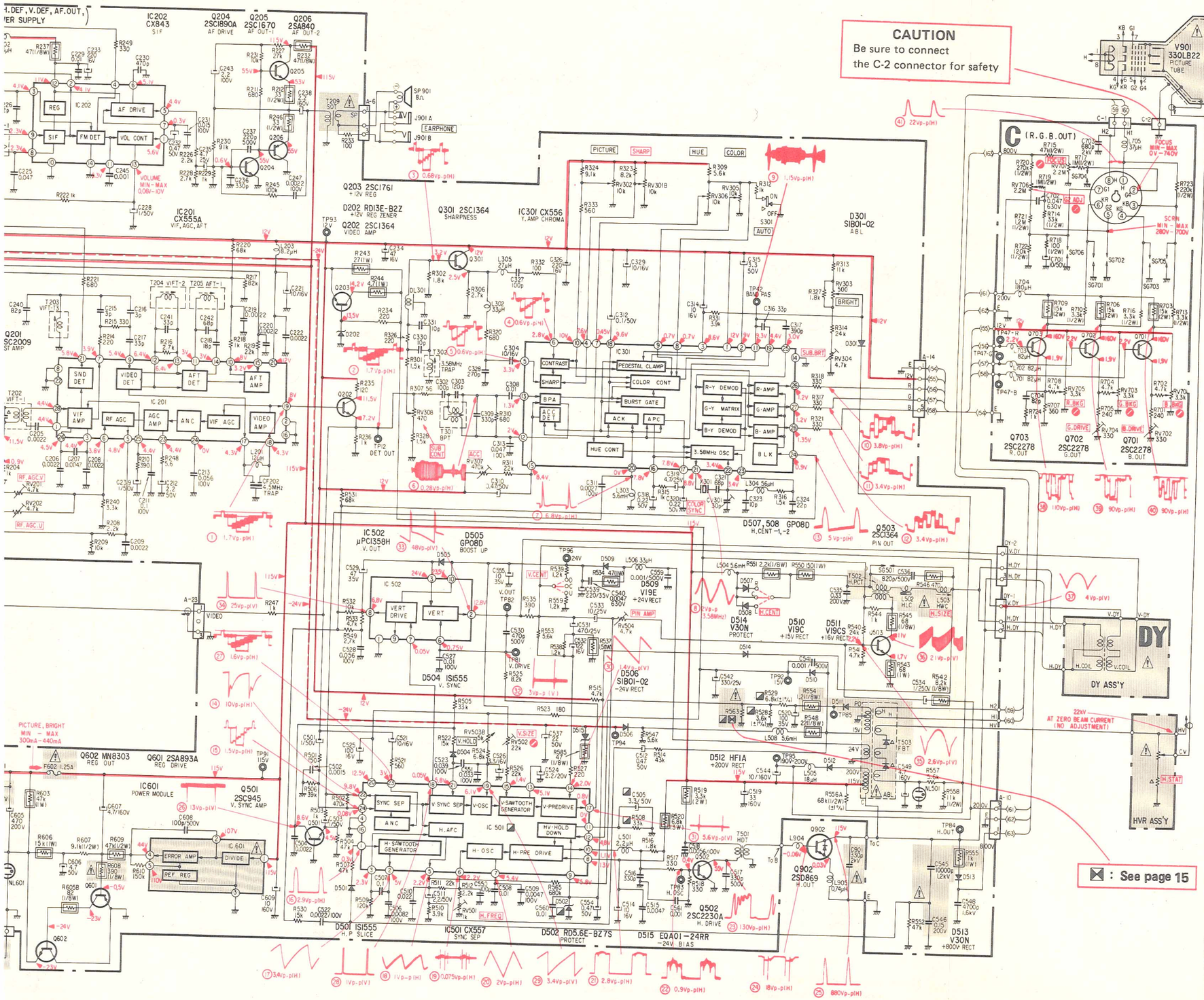
- Voltages are dc with respects to ground unless otherwise noted.
- Readings are taken with a 20,000-ohm-per-volt VOM.
- : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltages on M2 board are taken with set selected to channel A (VHF) position.
- Voltage variations may be noted due to normal production tolerances.
- Do not touch the terminal 1 and 2 of IC001 marked ♦ on M2 board with VOM probe, as B+ voltage will not be supplied to the set.



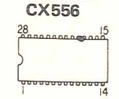
F G H I J K

1 2 3 4 5

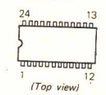
CAUTION
Be sure to connect
the C-2 connector for safety



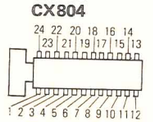
CX555A CX556A CX556



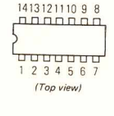
CX557



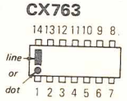
CX760 CX804



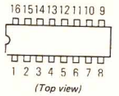
CX761A CX843



CX763



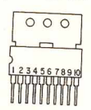
CX772



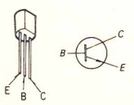
M51903L



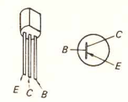
μPC1358H



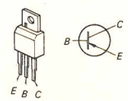
2N3904



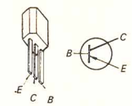
2SA733 2SA840 2SA893A



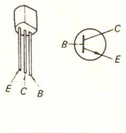
2SA835



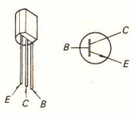
2SA1027R



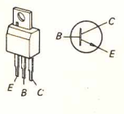
2SC945 2SC1670 2SC1890A 2SC2230A



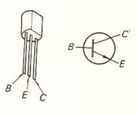
2SC1364



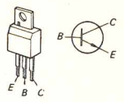
2SC1761 2SC1962



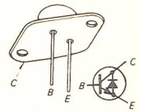
2SC2009



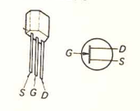
2SC2278



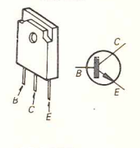
2SD869 2SD870



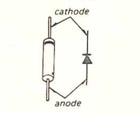
2SK23A



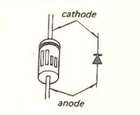
MN8303



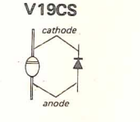
1S1555 RD5.6E-B2Z RD5.6E-BZ7S RD9.1E RD9.1E-B3Z RD13E RD13E-B2Z



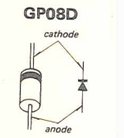
EQA01-24RR EQB01-12R EQB01-12Z EQB01-24 SIB01-02



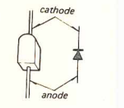
GH3F GM3 U05ES U05G V09C V19C V19E V30N V19CS



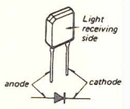
GP08D



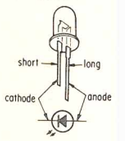
HF1A



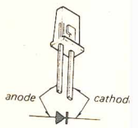
PH302A



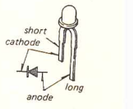
SE303A



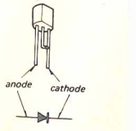
SR632D



TLG124 TLR124 TLY124

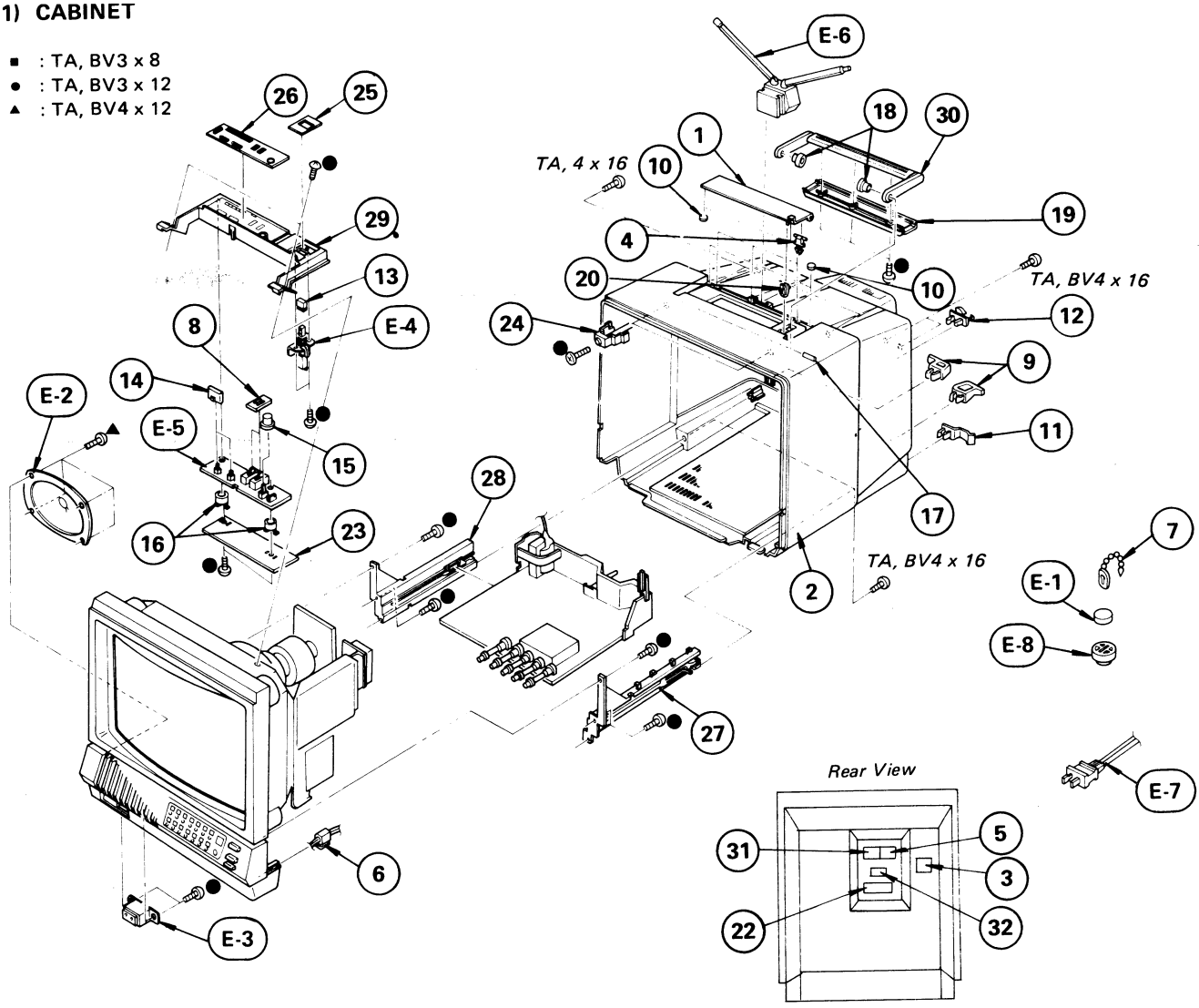


μPC574J



(1) CABINET

■ : TA, BV3 x 8
● : TA, BV3 x 12
▲ : TA, BV4 x 12



No.	Part No.	Description	Remark
1	X-4344-005-0	DOOR ASSY, PRESET	61
2	X-4344-009-0	CABINET ASSY	52,55,60,61,62,63,68,69,70,71,75,81,
3	3-701-043-00	LABEL, CSA VIDEO	
4	3-703-035-11	SHAFT, LID	
5	3-703-281-00	LABEL, DOC (A)	
6	⚠ 4-316-102-00	HOLDER, AC CORD	
7	4-308-870-00	CLIP, LEAD WIRE	
8	4-314-869-00	INSULATOR,SLIDE SWITCH	
9	4-316-003-00	HOLDER, CORD	
10	4-316-264-11	CUSHION	
11	4-329-127-00	CLAMPER, CORD	
12	4-329-439-00	CLAMPER, FEEDER	
13	4-333-101-00	PUSH BUTTON	
14	4-335-304-00	BUTTON, TUNING	
15	4-335-306-00	BUTTON, CLEAR	
16	4-335-705-00	SPACER	
17	4-335-706-00	SHAFT, HANDLE	
18	4-335-709-00	BUSHING	
19	4-336-839-00	ORNAMENT (LOWER), HANDLE	
20	4-342-511-00	RETAINER, DOOR	
22	♦:4-344-034-00	LABEL, MODEL NUMBER	
23	♦:4-344-003-00	COVER, INSULATING	
24	4-344-004-00	STOPPER, ROD	
25	4-344-008-00	LABEL, SWITCH	
26	4-344-025-00	LABEL, PRESET	
27	♦:4-344-026-00	GUIDE (RIGHT), CHASSIS	
28	♦:4-344-027-00	GUIDE (LEFT), CHASSIS	
29	4-344-028-00	HOUSING, PRESET	
30	4-344-030-00	HANDLE	
31	3-701-829-01	LABEL, X-RAY CERTIF	
32	3-703-228-00	LABEL, CAUTION	

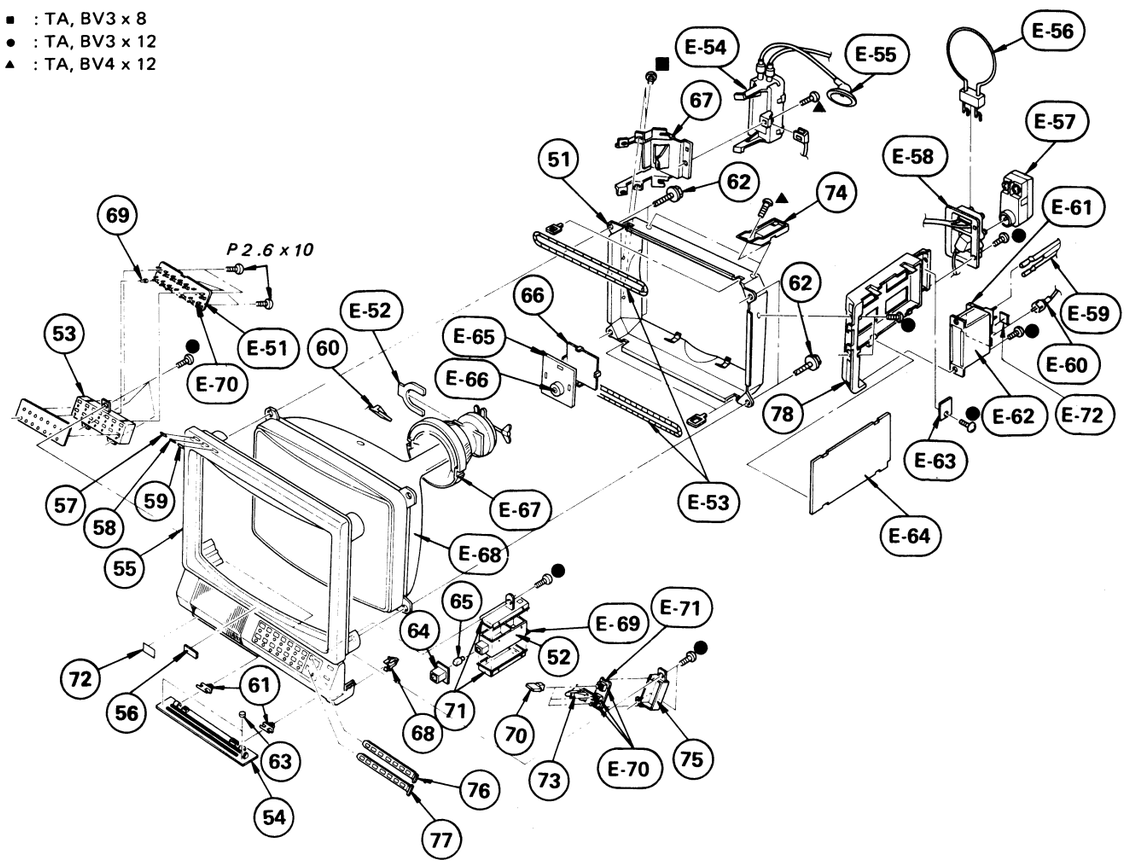
NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(2) MASK

■ : TA, BV3 x 8
● : TA, BV3 x 12
▲ : TA, BV4 x 12



No.	Part No.	Description	Remark
51	▲:X-4320-005-0	SHIELD ASSY, PICTURE TUBE	
52	▲:X-4344-003-0	CASE (MAIN) ASSY, SHIELD	
53	X-4344-004-0	HOUSING ASSY, TUNING	
54	X-4344-006-0	DOOR ASSY, SUB CONTROL	13
55	X-4344-008-0	BEZEL ASSY	4,6,7,8,9 11,18,22
56	3-701-845-00	EMBLEM, SONY	
57	3-701-911-01	CHIP, COLOR; RED	
58	3-701-911-11	CHIP, COLOR; GREEN	
59	3-701-911-21	CHIP, COLOR; BLUE	
60	3-703-003-00	SPACER, DY	
61	3-703-035-11	SHAFT, LID	
62	4-307-249-00	SCREW, TAPPING, 5X20	
63	4-316-264-11	CUSHION	
64	▲:4-333-114-00	COVER, RAY CATCHER	
65	4-333-115-00	TUBE, OPTICAL	
66	4-335-329-00	INSULATOR, C PC BOARD	
67	▲:4-335-338-00	BRACKET, HV	
68	4-342-511-00	RETAINER, DOOR	
69	4-344-005-00	BUTTON, TUNING	
70	4-344-006-00	PUSH BUTTON	
71	▲:4-344-009-00	LID, SHIELD CASE, RAY CATCHER	
72	4-344-010-00	LABEL, EARPHONE	
73	▲:4-344-013-00	HOLDER, LED	
74	▲:4-344-016-00	STAY	
75	▲:4-344-019-00	BRACKET, VR	
76	4-344-020-00	HOLDER (U), LABEL	
77	4-344-024-00	HOLDER (L), LABEL	
78	▲:4-344-033-00	BRACKET, M PC BOARD	

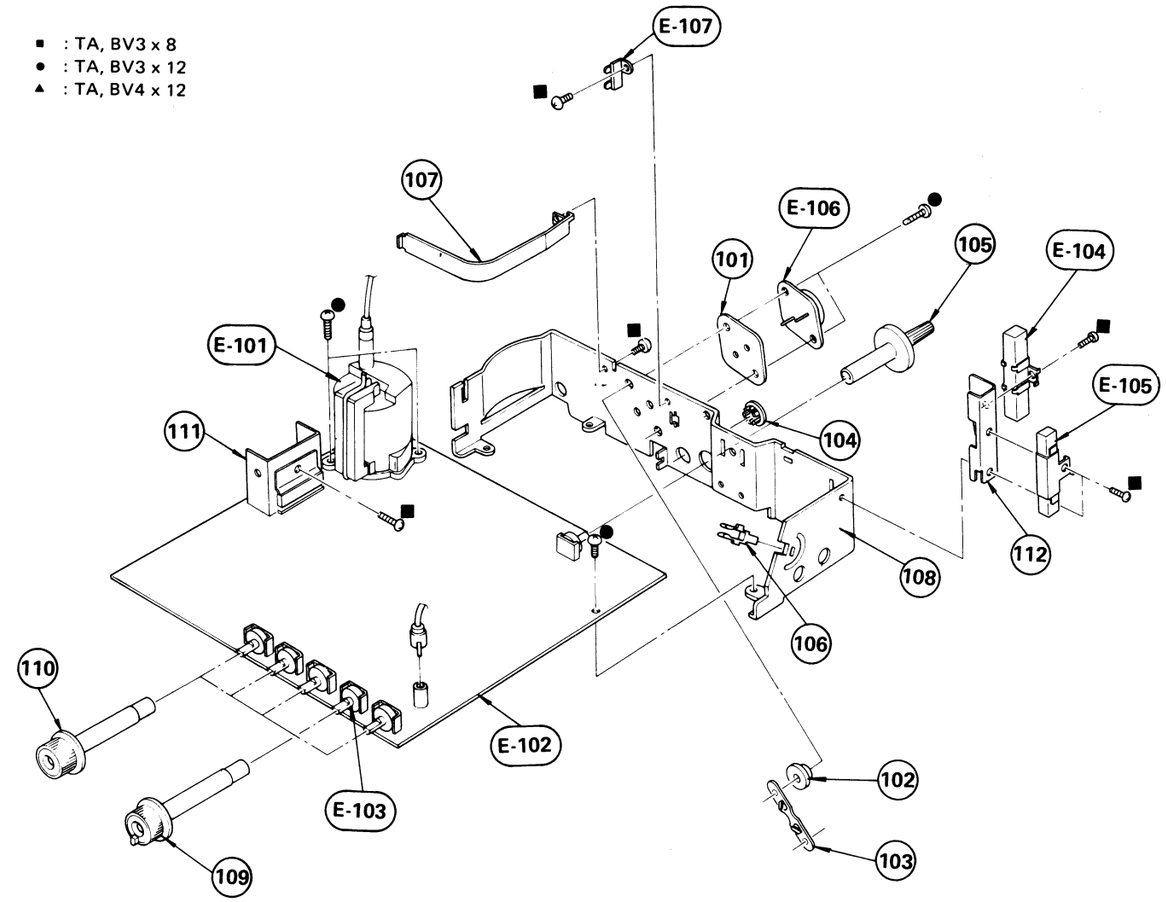
NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ▲ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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(3) A BOARD

■ : TA, BV3 x 8
● : TA, BV3 x 12
▲ : TA, BV4 x 12



No.	Part No.	Description	Remark
101	3-701-353-00	SPACER, MICA	
102	3-703-320-00	BUSHING (A), TRANSISTOR	
103	▲:4-302-432-00	BRACKET, TRANSISTOR	
104	4-328-903-00	BUSHING, HEAT SINK	
105	4-332-437-00	KNOB, V-HOLD	
106	4-333-157-00	RETAINER, AC CORD	
107	▲:4-335-320-00	RING, SHORT, FBT	
108	▲:4-335-339-00	HEAT SINK	
109	4-337-708-00	KNOB, SELECTION	
110	4-337-710-00	KNOB, CONTROL	
111	▲:4-340-905-00	HEAT SINK, V OUT	
112	▲:4-344-014-00	BRACKET,RESISTOR,CEMENT-COATED	

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ▲ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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SECTION 7
ELECTRICAL PARTS LIST

N M3 M C

Ref.No.	Part No.	Description			Remark
	♦:1-600-862-00	N BOARD			E-69
	♦:1-551-930-00	CONNECTOR, 3P			
	♦:4-330-112-00	CAP, SHIELD			
	♦:4-330-114-00	COVER, RAY CATCHER			
	♦:4-333-185-00	PLATE, SHIELD; COIL			
	♦:4-344-009-00	LID, SHIELD CASE; RAY CATCHER			
		CAPACITOR			
C150	1-102-525-00	CERAMIC 68PF	5%	50V	
C151	1-123-316-00	ELECT 10MF	20%	16V	
C152	1-102-525-00	CERAMIC 68PF	5%	50V	
C153	1-108-626-11	MYLAR 0.01MF	10%	100V	
C154	1-108-626-11	MYLAR 0.01MF	10%	100V	
C155	1-123-316-00	ELECT 10MF	20%	16V	
C156	1-123-316-00	ELECT 10MF	20%	16V	
		DIODE			
D151	8-719-100-33	DIODE PH302A			
		COIL			
L151	1-409-315-00	COIL			
		TRANSISTOR			
Q151	8-722-381-20	TRANSISTOR 2SK23A-812			
Q152	8-729-663-47	TRANSISTOR 2SC1364			
Q153	=>8-729-612-77	TRANSISTOR 2SA1027R			
		RESISTOR			
R151	1-246-497-00	CARBON 10K	1/4 W	5%	
R152	1-246-529-00	CARBON 220K	1/4 W	5%	
R153	1-246-473-00	CARBON 1K	1/4 W	5%	
R154	1-246-537-00	CARBON 470K	1/4 W	5%	
R155	1-246-489-00	CARBON 4.7K	1/4 W	5%	
R156	1-246-489-00	CARBON 4.7K	1/4 W	5%	
R157	1-246-537-00	CARBON 470K	1/4 W	5%	
R158	1-246-473-00	CARBON 1K	1/4 W	5%	
**********					
	♦:1-602-506-00	M3 BOARD			E-71
	♦:1-555-198-00	CONNECTOR, 4P			
	♦:4-344-013-00	HOLDER, LED			
		DIODE			
D001	8-719-812-41	DIODE TLR124			
		RESISTOR			
R001	1-246-527-00	CARBON 180K	1/4 W	5%	
R002	1-246-538-00	CARBON 510K	1/4 W	5%	

Ref.No.	Part No.	Description	Remark
		SWITCH	
S001	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S002	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S003	1-553-329-00	SWITCH, PUSHBUTTON	E-70
**********			
	♦:1-602-505-00	M BOARD	E-51
	♦:1-551-939-00	CONNECTOR, 9P	
	♦:1-555-341-00	CONNECTOR, 7P	
		NEON LAMP	
NL2501	1-519-194-00	LAMP, NEON	
NL2502	1-519-194-00	LAMP, NEON	
NL2503	1-519-194-00	LAMP, NEON	
NL2504	1-519-194-00	LAMP, NEON	
NL2505	1-519-194-00	LAMP, NEON	
NL2506	1-519-194-00	LAMP, NEON	
NL2507	1-519-194-00	LAMP, NEON	
NL2508	1-519-194-00	LAMP, NEON	
NL2509	1-519-194-00	LAMP, NEON	
NL2510	1-519-194-00	LAMP, NEON	
NL2511	1-519-194-00	LAMP, NEON	
NL2512	1-519-194-00	LAMP, NEON	
NL2513	1-519-194-00	LAMP, NEON	
NL2514	1-519-194-00	LAMP, NEON	
		SWITCH	
S2501	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2502	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2503	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2504	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2505	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2506	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2507	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2508	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2509	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2510	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2511	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2512	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2513	1-553-329-00	SWITCH, PUSHBUTTON	E-70
S2514	1-553-329-00	SWITCH, PUSHBUTTON	E-70
**********			
	♦:A-1330-257-A	C BOARD, COMPLETE	E-65
	1-526-086-XX	SOCKET, PICTURE TUBE	E-66
	♦:1-551-655-00	CONNECTOR, 5P	
	♦:1-551-682-00	CONNECTOR, MINIATURE; 3P	
	♦:1-588-959-00	C BOARD	
		PLUG	
C1	♦:1-508-786-00	2P PLUG	

NOTE:

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- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
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- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms.

COILS
- MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
		CAPACITOR	
C701	1-123-356-00	ELECT 10MF 20% 50V	
C702	1-129-737-00	POLYPROPYLENE 0.047MF 20% 630V	
C703	1-102-249-00	CERAMIC 680PF 20% 2KV	
C704	1-102-971-00	CERAMIC 82PF 5% 50V	
		COIL	
L701	1-407-704-11	MICRO INDUCTOR LF-8 82UH	
L702	1-407-704-11	MICRO INDUCTOR LF-8 82UH	
L703	1-407-704-11	MICRO INDUCTOR LF-8 82UH	
L704	1-407-708-11	MICRO INDUCTOR LF-8 180UH	
L705	1-421-401-00	COIL, FERRITE CHOKE	
		TRANSISTOR	
Q701	8-729-322-78	TRANSISTOR 2SC2278	
Q702	8-729-322-78	TRANSISTOR 2SC2278	
Q703	8-729-322-78	TRANSISTOR 2SC2278	
		RESISTOR	
R701	1-246-458-00	CARBON 240 1/4 W 5%	
R702	1-246-489-00	CARBON 4.7K 1/4 W 5%	
R703	1-206-692-00	METAL 15K 2 W 5%	nonflammable
R704	1-246-489-00	CARBON 4.7K 1/4 W 5%	
R705	1-246-458-00	CARBON 240 1/4 W 5%	
R706	1-206-692-00	METAL 15K 2 W 5%	nonflammable
R707	1-246-462-00	CARBON 360 1/4 W 5%	
R708	1-246-489-00	CARBON 4.7K 1/4 W 5%	
R709	1-206-692-00	METAL 15K 2 W 5%	nonflammable
R710	1-202-585-00	SOLID 3.3K 1/2 W 10%	
R713	1-202-585-00	SOLID 3.3K 1/2 W 10%	
R714	1-202-609-00	SOLID 33K 1/2 W 10%	
R715	1-202-613-00	SOLID 47K 1/2 W 10%	
R716	1-202-585-00	SOLID 3.30K 1/2 W 10%	
R717	1-202-645-00	SOLID 1M 1/2 W 10%	
R718	1-202-549-00	SOLID 100 1/2 W 10%	
R719	1-202-645-00	SOLID 1M 1/2 W 10%	
R720	1-202-631-00	SOLID 27K 1/2 W 10%	
R721	1-202-647-35	SOLID 1.2M 1/2 W 10%	
R722	1-202-623-00	SOLID 120K 1/2 W 10%	
R723	1-202-629-35	SOLID 220K 1/2 W 10%	
R724	1-246-473-00	CARBON 1K 1/4 W 5%	
		VARIABLE RESISTOR	
RV701	1-226-209-00	RES, ADJ, CARBON 3.3K	
RV702	1-222-515-12	RES, ADJ, CARBON 330	
RV702	1-222-515-31	RES, ADJ, CARBON 330	
RV703	1-226-209-00	RES, ADJ, CARBON 3.3K	
RV704	1-222-515-12	RES, ADJ, CARBON 330	
RV704	1-222-515-31	RES, ADJ, CARBON 330	
RV705	1-226-209-00	RES, ADJ, CARBON 3.3K	
RV706	1-226-063-00	RES, ADJ, CARBON 2.2M	
RV707	1-226-114-00	RES, ADJ, METAL 2.2M	

Ref.No.	Part No.	Description	Remark
		SPARK GAP	
SG701	1-519-063-XX	SPARK GAP	
SG702	1-519-063-XX	SPARK GAP	
SG703	1-519-063-XX	SPARK GAP	
SG704	1-519-063-XX	SPARK GAP	
SG705	1-519-063-XX	SPARK GAP	
SG706	1-519-063-XX	SPARK GAP	
		**********	
	♦:1-600-567-00	**MM BOARD**	E-63
		CAPACITOR	
C141	1-123-316-00	ELECT 10MF 20% 16V	
		DIODE	
D141	8-719-815-55	DIODE 1S1555	
D142	8-719-815-55	DIODE 1S1555	
		PLUG	
MM1	♦:1-560-124-00	PLUG, CONNECTOR; 4P	
		TRANSISTOR	
Q141	8-729-663-47	TRANSISTOR 2SC1364	
		RESISTOR	
R141	1-246-501-00	CARBON 15K 1/4 W 5%	
R142	1-246-521-00	CARBON 100K 1/4 W 5%	
R143	1-246-473-00	CARBON 1K 1/4 W 5%	
R144	1-246-505-00	CARBON 22K 1/4 W 5%	
		**********	
	♦:A-1306-086-A	**M2 BOARD, COMPLITE**	E-64
	♦:1-551-674-00	CONNECTOR, 3P	
	♦:1-551-798-00	CONNECTOR, 7P	
	♦:1-555-043-00	CONNECTOR, 3P	
	♦:1-555-198-00	CONNECTOR, 4P	
	♦:1-561-025-00	CONNECTOR, MINIATURE; 4P	
	♦:4-334-254-00	CASE (MAIN), SHIELD	
	♦:4-334-255-00	LID, UPPER; M2 SHIELD CASE	
	♦:4-334-256-00	LID, REAR; M2 SHIELD CASE	
		CONNECTOR	
A15	♦:1-551-784-00	CONNECTOR, 8P	
		CAPACITOR	
C001	1-123-254-00	ELECT 10MF 250V	
C002	1-123-320-00	ELECT 100MF 20% 16V	
C003	1-123-003-00	ELECT 1.0MF 250V	
C004	1-123-351-00	ELECT 0.47MF 20% 50V	
C005	1-108-618-11	MYLAR 0.0022MF 10% 100V	

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- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms.

COILS
- MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			Remark
C006	1-123-351-00	ELECT 0.47MF	20%	50V	
C007	1-108-798-11	MYLAR 0.0033MF	5%	50V	
C008	1-102-822-00	CERAMIC 390PF	5%	50V	
C009	1-123-316-00	ELECT 10MF	20%	16V	
C010	1-108-841-11	MYLAR 0.022MF	10%	50V	
C011A	1-123-352-00	ELECT 1MF	20%	50V	
C011B	1-123-352-00	ELECT 1MF	20%	50V	
C031	1-123-355-00	ELECT 4.7MF	20%	50V	
C032	1-102-123-00	CERAMIC 0.0033MF	10%	50V	
C033	1-123-355-00	ELECT 4.7MF	20%	50V	
C034	1-101-880-00	CERAMIC 47PF	5%	50V	
C035	1-108-638-00	MYLAR 0.1MF	10%	100V	
C036	1-102-971-00	CERAMIC 82PF	5%	50V	
C037	1-101-006-00	CERAMIC 0.047MF		50V	
C038	1-130-020-00	FILM 0.0015MF	5%	50V	
C039	1-130-018-00	FILM 0.001MF	5%	50V	
C040	1-130-018-00	FILM 0.001MF	5%	50V	
C041	1-102-973-00	CERAMIC 100PF	5%	50V	
C042	1-101-884-00	CERAMIC 56PF	5%	50V	
C043	1-108-626-11	MYLAR 0.01MF	10%	100V	
C044	1-108-642-11	MYLAR 0.22MF	10%	100V	
C045	1-123-316-00	ELECT 10MF	20%	16V	
C046	1-108-626-11	MYLAR 0.01MF	10%	100V	
C047	1-102-973-00	CERAMIC 100PF	5%	50V	
C049	1-123-318-00	ELECT 33MF	20%	16V	
C050	1-123-318-00	ELECT 33MF	20%	16V	
C052	1-108-692-11	MYLAR 0.01MF	10%	200V	
C053	1-101-118-00	CERAMIC 0.01MF	20%	50V	
C054	1-108-692-11	MYLAR 0.01MF	10%	200V	
C056	1-108-692-11	MYLAR 0.01MF	10%	200V	
C059	1-102-129-00	CERAMIC 0.01MF	10%	50V	
C060	1-102-980-00	CERAMIC 270PF	5%	50V	
C062	1-102-446-00	CERAMIC 0.0047MF		125V	
		DIODE			
D001	=>8-719-911-55	DIODE U05G			
D002	8-719-900-93	DIODE V09C			
D003	8-719-930-12	DIODE EQB01-12Z			
D030	8-719-815-55	DIODE 1S1555			
D033	8-719-815-55	DIODE 1S1555			
D034	8-719-815-55	DIODE 1S1555			
D035	8-719-815-55	DIODE 1S1555			
D036	8-719-815-55	DIODE 1S1555			
D037	8-719-815-55	DIODE 1S1555			
D038	8-719-815-55	DIODE 1S1555			
D039	8-719-191-07	DIODE RD9.1E			
		IC			
IC001	8-757-630-00	IC CX763			
IC031	8-759-157-40	IC UPC574J			
IC032	8-757-600-00	IC CX760			
IC033	8-758-040-00	IC CX804			

Ref.No.	Part No.	Description		Remark
IC034	8-757-611-00	IC CX761A		
		COIL		
L001	1-405-725-00	COIL,OSC		
L031	1-407-510-00	MICRO INDUCTOR	33MMH	
L032	1-409-193-00	COIL 3.58MHZ TRAP		
L033	1-407-169-XX	MICRO INDUCTOR	100UH	
L034	1-407-687-11	MICRO INDUCTOR LF-8	3.3UH	
L035	1-407-705-11	MICRO INDUCTOR LF-8	100UH	
		PLUG		
M1	●:1-508-786-00	PLUG, CONNECTOR; 2P		
M3	●:1-560-123-00	PLUG, CONNECTOR; 3P		
M4	●:1-560-124-00	PLUG, CONNECTOR; 4P		
M8	●:1-560-126-00	PLUG, CONNECTOR; 6P		
M9	●:1-560-125-00	PLUG, CONNECTOR; 5P		
M12	●:1-560-127-00	PLUG, CONNECTOR; 7P		
M13	●:1-560-129-00	PLUG, CONNECTOR; 9P		
		TRANSISTOR		
Q001	8-729-213-11	TRANSISTOR 2SC2230A		
Q002	8-729-663-47	TRANSISTOR 2SC1364		
Q003	8-729-663-47	TRANSISTOR 2SC1364		
Q004	8-729-663-47	TRANSISTOR 2SC1364		
Q005	8-729-663-47	TRANSISTOR 2SC1364		
Q031	8-729-663-47	TRANSISTOR 2SC1364		
Q032	8-729-663-47	TRANSISTOR 2SC1364		
Q033	=>8-729-612-77	TRANSISTOR 2SA1027R		
Q034	8-729-663-47	TRANSISTOR 2SC1364		
Q035	=>8-729-612-77	TRANSISTOR 2SA1027R		
Q036	8-729-139-04	TRANSISTOR 2N3904		
Q038	=>8-729-612-77	TRANSISTOR 2SA1027R		
Q039	=>8-729-612-77	TRANSISTOR 2SA1027R		
Q040	=>8-729-612-37	TRANSISTOR 2SA1027R		
Q041	8-729-663-47	TRANSISTOR 2SC1364		
Q043	8-729-663-47	TRANSISTOR 2SC1364		
Q044	8-729-663-47	TRANSISTOR 2SC1364		
Q045	=>8-729-612-77	TRANSISTOR 2SA1027R		
		RESISTOR		
R000	1-246-475-00	CARBON 1.2K	1/4 W	5%
R001	⚠1-213-131-00	METAL 100	1 W	5% nonflammable
R002	1-205-584-11	WIREWOUND 5.6K	7 W	10%
R003	1-246-505-00	CARBON 22K	1/4 W	5%
R004	1-246-513-00	CARBON 47K	1/4 W	5%
R005	1-246-537-00	CARBON 470K	1/4 W	5%
R006	1-246-513-00	CARBON 47K	1/4 W	5%
R007	1-246-505-00	CARBON 22K	1/4 W	5%
R008	1-202-665-15	SOLID 6.80M	1/2 W	5%
R009	1-246-525-00	CARBON 150K	1/4 W	5%
R010	1-246-529-00	CARBON 220K	1/4 W	5%
R011	1-246-513-00	CARBON 47K	1/4 W	5%

NOTE:

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CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms.

COILS
- MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			Remark
R012	1-246-513-00	CARBON 47K	1/4 W	5%	
R013	1-246-497-00	CARBON 10K	1/4 W	5%	
R014	1-246-497-00	CARBON 10K	1/4 W	5%	
R015	1-246-497-00	CARBON 10K	1/4 W	5%	
R016	1-246-497-00	CARBON 10K	1/4 W	5%	
R019	1-246-505-00	CARBON 10K	1/4 W	5%	
R020	1-246-505-00	CARBON 22K	1/4 W	5%	
R021	1-246-513-00	CARBON 47K	1/4 W	5%	
R022	1-246-497-00	CARBON 10K	1/4 W	5%	
R023A	1-246-509-00	CARBON 33K	1/4 W	5%	
R023B	1-246-509-00	CARBON 33K	1/4 W	5%	
R024	1-246-530-00	CARBON 240K	1/4 W	5%	
R025	1-246-487-00	CARBON 3.9K	1/4 W	5%	
R027	⚠1-247-014-11	CARBON 1.8K	1/4 W	5%	nonflammable
R028	1-246-485-00	CARBON 3.3K	1/4 W	5%	
R029	1-202-645-00	SOLID 1.00M	1/2 W	20%	
R030	1-246-497-00	CARBON 10K	1/4 W	5%	
R031	1-246-504-00	CARBON 20K	1/4 W	5%	
R032	1-246-487-00	CARBON 3.9K	1/4 W	5%	
R033	1-246-473-00	CARBON 1K	1/4 W	5%	
R034	1-246-479-00	CARBON 1.8K	1/4 W	5%	
R035	1-246-459-00	CARBON 270	1/4 W	5%	
R036	1-246-497-00	CARBON 10K	1/4 W	5%	
R037	1-246-497-00	CARBON 10K	1/4 W	5%	
R038	1-246-497-00	CARBON 10K	1/4 W	5%	
R039	1-246-481-00	CARBON 2.2K	1/4 W	5%	
R040	1-246-473-00	CARBON 1K	1/4 W	5%	
R041	1-246-497-00	CARBON 10K	1/4 W	5%	
R042	1-246-485-00	CARBON 3.3K	1/4 W	5%	
R043	1-246-497-00	CARBON 10K	1/4 W	5%	
R044	1-246-521-00	CARBON 100K	1/4 W	5%	
R045	1-246-533-00	CARBON 330K	1/4 W	5%	
R046	1-246-509-00	CARBON 33K	1/4 W	5%	
R047	1-246-497-00	CARBON 10K	1/4 W	5%	
R048	1-246-505-00	CARBON 22K	1/4 W	5%	
R049	1-246-497-00	CARBON 10K	1/4 W	5%	
R050	1-246-497-00	CARBON 10K	1/4 W	5%	
R051	1-206-694-00	METAL 18K	2 W	5%	nonflammable
R053	1-246-509-00	CARBON 33K	1/4 W	5%	
R055	1-246-497-00	CARBON 10K	1/4 W	5%	
R056	1-246-533-00	CARBON 330K	1/4 W	5%	
R057	1-246-535-00	CARBON 390K	1/4 W	5%	
R058	1-246-507-00	CARBON 27K	1/4 W	5%	
R059	1-246-461-00	CARBON 330	1/4 W	5%	
R060	1-246-489-00	CARBON 4.7K	1/4 W	5%	
R061	1-246-489-00	CARBON 4.7K	1/4 W	5%	
R062	1-246-505-00	CARBON 22K	1/4 W	5%	
R063	1-246-489-00	CARBON 4.7K	1/4 W	5%	
R064	1-246-521-00	CARBON 100K	1/4 W	5%	
R065	1-246-521-00	CARBON 100K	1/4 W	5%	
R066	1-246-505-00	CARBON 22K	1/4 W	5%	
R067	1-246-481-00	CARBON 2.2K	1/4 W	5%	
R068	1-246-473-00	CARBON 1K	1/4 W	5%	
R069	1-246-481-00	CARBON 2.2K	1/4 W	5%	
R070	1-246-497-00	CARBON 10K	1/4 W	5%	
R071	1-246-505-00	CARBON 22K	1/4 W	5%	
R072	1-246-497-00	CARBON 10K	1/4 W	5%	
R073	1-244-873-00	CARBON 1.00K	1/2 W	5%	
R074	1-244-929-00	CARBON 220K	1/2 W	5%	
R075	1-246-497-00	CARBON 10K	1/4 W	5%	
R076	1-246-473-00	CARBON 1K	1/4 W	5%	
R077	1-246-497-00	CARBON 10K	1/4 W	5%	
R078	1-246-497-00	CARBON 10K	1/4 W	5%	
R079	1-246-497-00	CARBON 10K	1/4 W	5%	
R080	1-246-497-00	CARBON 10K	1/4 W	5%	
R081	1-246-497-00	CARBON 10K	1/4 W	5%	
R082	1-246-473-00	CARBON 1K	1/4 W	5%	
R083	1-246-519-00	CARBON 82K	1/4 W	5%	
R084	1-246-497-00	CARBON 10K	1/4 W	5%	
R085	1-206-700-00	METAL 33K	2 W	5%	nonflammable
R086	1-244-918-00	CARBON 75K	1/2 W	5%	
R087	1-246-529-00	CARBON 220K	1/4 W	5%	
R088	1-246-473-00	CARBON 1K	1/4 W	5%	
R089	1-246-473-00	CARBON 1K	1/4 W	5%	
R090	1-246-461-00	CARBON 330	1/4 W	5%	
R092	1-246-499-00	CARBON 12K	1/4 W	5%	
R094	1-246-507-00	CARBON 27K	1/4 W	5%	
R095	1-246-519-00	CARBON 82K	1/4 W	5%	
R096	1-246-497-00	CARBON 10K	1/4 W	5%	
R097	1-246-513-00	CARBON 47K	1/4 W	5%	
R098	1-246-473-00	CARBON 1K	1/4 W	5%	
R099	1-202-667-00	SOLID 8.2M	1/2 W	20%	

RELAY

RL001	⚠1-515-338-00	RELAY

VARIABLE RESISTOR

RV001	1-224-551-00	RES, ADJ, CARBON 220K

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♦:1-602-649-00 SS BOARD E-72

DIODE

D171	8-719-815-55	1S1555
D172	8-719-815-55	1S1555

RESISTOR

R171	1-246-485-00	CARBON 3.3K	1/4W	5%
R172	1-246-492-00	CARBON 6.2K	1/4W	5%

VARIABLE RESISTOR

RV171	1-222-518-12	RES, ADJ, CARBON 4.7K

****

♦:1-588-342-00 S BOARD E-61

CAPACITOR

C101	1-123-317-00	ELECT 22MF	20%	16V
C102	1-121-398-00	ELECT SINGLE 10MF		25V
C103	1-121-398-00	ELECT SINGLE 10MF		25V
C104	1-121-403-00	ELECT SINGLE 33MF		16V
C105	1-123-318-00	ELECT 33MF	20%	16V
C106	1-108-638-00	MYLAR 0.1MF	10%	100V
C108	1-108-634-11	MYLAR 0.047MF	10%	100V
C109	1-108-636-11	MYLAR 0.068MF	10%	100V

TRANSISTOR

Q101	8-729-663-47	TRANSISTOR 2SC1364

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RESISTORS
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COILS
- MMH : mH, UH : μH

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Ref.No.	Part No.	Description			Remark
		RESISTOR			
R102	1-246-465-00	CARBON 470 1/4 W	5%		
R103	1-246-509-00	CARBON 33K 1/4 W	5%		
R104	1-246-533-00	CARBON 330K 1/4 W	5%		
R105	1-246-481-00	CARBON 2.2K 1/4 W	5%		
		PLUG			
S1	●:1-560-127-00	PLUG, CONNECTOR; 7P			
**********					
	●:A-1295-411-A	A BOARD, COMPLETE			E-102
	●:1-508-915-11	PLUG, 1P			
	●:1-509-832-00	CONNECTOR, 1P			
	●:1-509-887-00	CONNECTOR, 1P			
	1-517-072-00	LAMP HOLDER			
	●:1-526-575-00	SOCKET, PLUG			
	1-533-146-00	HOLDER, FUSE			
	●:4-334-250-00	CASE, SHIELD (MAIN)			
	●:4-334-251-00	LID, UPPER, SHIELD CASE			
	●:4-334-252-00	LID, REAR, SHIELD CASE			
	●:4-335-320-00	RING, SHORT; FBT			
	●:4-340-905-00	HEAT SINK, V OUT			
		PLUG			
A1	●:1-506-349-21	3P PLUG			
A2	●:1-508-786-00	2P PLUG			
A3	●:1-508-786-00	2P PLUG			
A5	●:1-506-371-00	2P PLUG			
A6	●:1-508-765-00	3P PLUG			
A7	●:1-508-766-00	4P PLUG			
A10	●:1-508-765-00	3P PLUG			
A14	●:1-560-125-00	PLUG, CONNECTOR; 5P			
A15	●:1-560-128-00	PLUG, CONNECTOR			
A23	●:1-560-123-00	PLUG, CONNECTOR; 3P			
		CAPACITOR			
C201	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C202	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C205	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C206	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C207	1-161-328-51	CERAMIC 4700PF	30%	50V	
C208	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C209	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C211	1-108-638-00	MYLAR 0.1MF	10%	100V	
C212	1-123-353-00	ELECT 2.2MF	20%	50V	
C213	1-108-635-11	MYLAR 0.056MF	10%	100V	
C215	1-102-503-00	CERAMIC 3PF	0.25PF	50V	
C216	1-102-503-00	CERAMIC 3PF	0.25PF	50V	
C217	1-102-963-00	CERAMIC 33PF	5%	50V	
C218	1-161-82 -00	CERAMIC 18PF	5%	50V	
C219	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C220	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C221	1-123-316-00	ELECT 10MF	20%	16V	
C222	1-102-121-00	CERAMIC 0.0022MF	10%	50V	
C225	1-101-006-00	CERAMIC 0.047MF		50V	
C226	1-161-294-00	CERAMIC 12PF	5%	50V	
C228	1-123-352-00	ELECT 1MF	20%	50V	
C229	1-101-118-00	CERAMIC 0.01MF	20%	50V	
C230	1-102-114-00	CERAMIC 470PF	10%	50V	
C231	1-108-628-11	MYLAR 0.015MF	10%	100V	
C232	1-123-351-00	ELECT 0.47MF	20%	50V	
C233	1-123-321-00	ELECT 220MF	20%	16V	
C234	1-123-319-00	ELECT 47MF	20%	16V	
C235	1-123-328-00	ELECT 4.7MF	20%	25V	
C236	1-102-820-00	CERAMIC 330PF	5%	50V	
C237	1-102-244-00	CERAMIC 220PF	10%	500V	
C238	1-123-026-00	ELECT 2.2MF		160V	
C239	1-123-352-00	ELECT 1MF	20%	50V	
C240	1-102-496-00	CERAMIC 82PF	5%	50V	
C241	1-102-518-00	CERAMIC 33PF	5%	50V	
C242	1-102-494-00	CERAMIC 68PF	5%	50V	
C243	1-123-381-00	ELECT 2.2MF	20%	100V	
C245	1-102-074-00	CERAMIC 0.001MF	10%	50V	
C247	1-108-618-11	MYLAR 0.0022MF	10%	100V	
C248	1-102-038-00	CERAMIC 0.001MF		500V	
C302	1-161-271-00	CERAMIC 100PF	5%	50V	
C303	1-161-272-00	CERAMIC 120PF	5%	50V	
C304	1-121-259-11	ELECT 10MF NONPOLARIZED		16V	
C308	1-101-004-00	CERAMIC 0.01MF		50V	
C309	1-102-820-00	CERAMIC 330PF	5%	50V	
C310	1-123-351-00	ELECT 0.47MF	20%	50V	
C311	1-108-619-00	MYLAR 0.0027MF	10%	100V	
C312	1-123-586-00	ELECT 0.1MF	20%	50V	
C313	1-108-634-11	MYLAR 0.047MF	10%	100V	
C314	1-123-316-00	ELECT 10MF	20%	16V	
C315	1-123-354-00	ELECT 3.3MF	20%	50V	
C316	1-102-963-00	CERAMIC 33PF	5%	50V	
C317	1-102-822-00	CERAMIC 390PF	5%	50V	
C318	1-123-447-00	ELECT 0.22MF	20%	50V	
C319	1-123-328-00	ELECT 4.7MF	20%	25V	
C320	1-123-447-00	ELECT 0.22MF	20%	50V	
C321	1-101-888-00	CERAMIC 68PF	5%	50V	
C323	1-102-947-00	CERAMIC 10PF	5%	50V	
C324	1-102-959-00	CERAMIC 22PF	5%	50V	
C326	1-123-321-00	ELECT 220MF	20%	16V	
C327	1-161-271-00	CERAMIC 100PF	5%	50V	
C328	1-161-316-00	CERAMIC 270PF	10%	50V	
C329	1-123-316-00	ELECT 10MF	20%	16V	
C330	1-102-858-00	CERAMIC 10PF	0.5PF	50V	
C331	1-102-858-00	CERAMIC 10PF	0.5PF	50V	
C501	1-123-352-00	ELECT 1MF	20%	50V	
C502	1-161-003-00	CERAMIC 0.0015MF	10%	25V	
C503	1-123-352-00	ELECT 1MF	20%	50V	
C504	1-161-194-00	CERAMIC 0.0022MF	10%	25V	
C505	1-123-354-00	ELECT 3.3MF	10%	50V	

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RESISTORS
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A

Ref.No.	Part No.	Description			Remark
C506	1-108-625-00	MYLAR 0.0082MF	10%	100V	
C507	1-161-025-00	CERAMIC 0.1MF	10%	25V	
C508	1-130-203-00	POLYPROPYLENE 0.01MF	5%	50V	
C509	1-108-622-11	MYLAR 0.0047MF	10%	100V	
C510	1-161-017-00	CERAMIC 0.022MF	10%	25V	
C511	1-123-353-00	ELECT 2.2MF	20%	50V	
C512	1-123-351-00	ELECT 0.47MF	20%	50V	
C514	1-123-316-00	ELECT 10MF	20%	16V	
C515	1-161-328-51	CERAMIC 4700PF	30%	50V	
C516	1-102-820-00	CERAMIC 330PF	5%	50V	
C517	1-102-030-00	CERAMIC 330PF	10%	500V	
C518	1-108-623-00	MYLAR 0.0056MF	10%	100V	
C519	1-123-024-51	ELECT 33MF		160V	
C520	1-123-345-00	ELECT 100MF	20%	35V	
C521	1-123-316-00	ELECT 10MF	20%	16V	
C522	1-108-618-11	MYLAR 0.0022MF	10%	100V	
C523	1-108-633-11	MYLAR 0.039MF	10%	100V	
C524	1-131-361-00	TANTALUM ELECT 2.2MF	20%	20V	
C525	1-123-320-00	ELECT 100MF	20%	16V	
C526	1-131-197-00	ELEC TANTALUM 3.3MF	10%	16V	
C527	1-108-626-11	MYLAR 0.01MF	10%	100V	
C528	1-108-635-11	MYLAR 0.056MF	10%	100V	
C529	1-123-344-00	ELECT 47MF	20%	35V	
C530	1-102-228-00	CERAMIC 470PF	10%	500V	
C531	1-123-585-00	ELECT 470MF	10%	25V	
C532	1-123-584-00	ELECT 22MF	10%	16V	
C533	1-123-329-00	ELECT 10MF	20%	25V	
C534	1-123-003-00	ELECT 1.0MF		250V	
C535	1-130-162-00	POLYPROPYLENE 0.33MF	5%	200V	
C536	1-102-212-00	CERAMIC 820PF	10%	500V	
C537	1-123-357-00	ELECT 22MF	20%	50V	
C539	1-123-346-00	ELECT 220MF	20%	35V	
C540	1-129-710-00	PLASTIC 0.0047MF	10%	630V	
C541	1-101-038-51	CERMIC 0.001MF		500V	
C542	1-123-335-00	ELECT 330MF	20%	25V	
C544	1-121-999-00	ELECT 10MF		160V	
C545	⚠1-130-345-00	MEDIUM-VOLT 0.01MF	3%	1.2KV	
C546	⚠1-108-961-11	POLYETHYLENE 0.15MF	10%	200V	
C548	1-102-223-00	CERAMIC 4700PF	20%	1.6KV	
C549	1-121-246-00	ELECT 4.7MF		160V	
C550	1-102-973-00	CERAMIC 100PF	5%	50V	
C551	1-108-632-11	MYLAR 0.033MF	10%	100V	
C554	1-123-351-00	ELECT 0.47MF	20%	50V	
C555	1-123-341-00	ELECT 10MF	20%	35V	
C559	1-102-038-00	CERAMIC 0.001MF		500V	
C560	1-102-129-00	CERAMIC 0.01MF	10%	50V	
C601	⚠1-108-745-00	METAL 0.22MF	20%	125V	
C602	⚠1-161-748-00	CERAMIC 0.0047MF		125V	
C605	1-125-221-00	ELECT 470MF		200V	
C606	1-123-355-00	ELECT 4.7MF	20%	50V	
C607	1-121-246-00	ELECT 4.7MF		160V	
C608	1-101-810-00	CERAMIC 100PF	5%	500V	
C609	1-121-999-00	ELECT 10MF		160V	

Ref.No.	Part No.	Description	Remark
		CERAMIC FILTER	
CF201	1-527-260-00	CERAMIC FILTER	
CF202	1-409-332-00	CERAMIC TRAP	
		TRIMMER	
CV301	1-141-212-00	CAP, TRIMMER	
		DIODE	
D202	8-719-113-07	DIODE RD13E	
D203	8-719-815-55	DIODE 1S1555	
D204	8-719-815-55	DIODE 1S1555	
D301	=>8-719-200-02	DIODE 10E2	
D501	8-719-815-55	DIODE 1S1555	
D502	8-719-156-25	DIODE RD5.6E-BZ7S	
D504	8-719-815-55	DIODE 1S1555	
D505	=>8-719-911-55	DIODE U05G	
D506	=>8-719-200-02	DIODE 10E2	
D507	=>8-719-911-55	DIODE U05G	
D508	=>8-719-911-55	DIODE U05G	
D509	=>8-719-305-15	DIODE GH3F	
D510	=>8-719-305-15	DIODE GH3F	
D511	⚠ 8-719-901-94	DIODE V19CS	
D512	=>8-719-305-15	DIODE GH3F	
D513	=>8-719-305-15	DIODE GH3F	
D514	=>8-719-305-15	DIODE GH3F	
D515	=>8-719-931-24	DIODE EQB01-24	
D601	=>8-719-911-55	DIODE U05G	
		DELAY LINE	
DL301	1-415-200-00	DELAY LINE	
		VARISTOR	
DVR601	⚠1-800-641-00	VARISTOR	
		PLUG	
DY1	●:1-506-349-21	3P PLUG	
DY2	●:1-506-349-21	3P PLUG	
		FUSE	
F601	⚠1-532-221-11	FUSE 5A	
F602	⚠1-532-570-00	FUSE, 1.25A	
		CONNECTOR	
H1	●:1-555-187-00	CONNECTOR, MINIATURE; 2P	
HC21	●:1-555-187-00	CONNECTOR, MINIATURE; 2P	
		IC	
IC201	8-759-600-05	IC CX555A	
IC202	8-759-608-43	IC CX843	
IC301	=>8-759-105-56	IC CX556	
IC501	8-759-105-57	IC CX557	

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COILS
- MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

Ref.No.	Part No.	Description				Remark
IC502	8-759-113-58	IC UPC1358H				
IC601	⚠1-231-462-00	MODULE, POWER				
		COIL				
L201	1-407-694-11	MICRO INDUCTOR LF-8	12UH			
L202	1-407-687-11	MICRO INDUCTOR LF-8	3.3UH			
L203	1-407-692-11	MICRO INDUCTOR LF-8	8.2UH			
L302	1-407-699-11	MICRO INDUCTOR LF-8	33UH			
L303	1-408-163-00	COIL, CORE	5.6MMH			
L304	1-407-702-11	MICRO INDUCTOR LF-8	56UH			
L305	1-407-698-11	MICRO INDUCTOR LF-8	27UH			
L501	1-407-685-00	MICRO INDUCTOR LF-8	2.2UH			
L502	⚠1-459-295-00	COIL, FERRITE (HLC)				
L503	⚠1-459-292-00	COIL, FERRITE				
L504	1-407-501-31	MICRO INDUCTOR LF-5	5.6MMH			
L505	1-407-696-00	MICRO INDUCTOR LF-8	18UH			
L506	1-407-699-11	MICRO INDUCTOR LF-8	33UH			
L508	1-407-203-XX	MICRO INDUCTOR LF-5	5.6MMH			
L601	⚠1-421-403-00	COIL, CHOKE				
		NEON LAMP				
NL501	1-519-108-XX	LAMP,NEON				
NL601	1-519-108-XX	LAMP,NEON				
		TRANSISTOR				
Q201	8-765-300-00	TRANSISTOR 2SC2009				
Q202	8-729-663-47	TRANSISTOR 2SC1364				
Q203	8-763-113-00	TRANSISTOR 2SC1761				
Q204	8-729-309-06	TRANSISTOR 2SC1890A				
Q205	=>8-765-170-01	TRANSISTOR 2SC1962				
Q206	=>8-762-020-00	TRANSISTOR 2SA835				
Q301	8-729-663-47	TRANSISTOR 2SC1364				
Q501	=>8-729-663-47	TRANSISTOR 2SC1364				
Q502	8-729-213-11	TRANSISTOR 2SC2230A				
Q503	=>8-729-663-47	TRANSISTOR 2SC1364				
Q601	8-729-309-36	TRANSISTOR 2SA893A				
Q602	8-729-383-03	TRANSISTOR MN8303				
		RESISTOR				
R202	1-246-505-00	CARBON 22K	1/4 W	5%		
R203	1-246-487-00	CARBON 3.9K	1/4 W	5%		
R204	1-246-473-00	CARBON 1K	1/4 W	5%		
R205	1-246-473-00	CARBON 1K	1/4 W	5%		
R208	1-246-481-00	CARBON 2.2K	1/4 W	5%		
R209	1-246-497-00	CARBON 10K	1/4 W	5%		
R210	1-246-463-00	CARBON 390	1/4 W	5%		
R211	1-246-469-00	CARBON 680	1/4 W	5%		
R212	1-246-875-00	CARBON 33	1/2 W	5%	nonflammable	
R214	1-246-457-00	CARBON 220	1/4 W	5%		
R215	1-246-461-00	CARBON 330	1/4 W	5%		
R216	1-246-483-00	CARBON 2.7K	1/4 W	5%		
R217	1-246-519-00	CARBON 82K	1/4 W	5%		
R218	1-246-473-00	CARBON 1K	1/4 W	5%		
R219	1-246-505-00	CARBON 22K	1/4 W	5%		
R220	1-246-517-00	CARBON 68K	1/4 W	5%		
R221	1-246-469-00	CARBON 680	1/4 W	5%		
R222	1-246-473-00	CARBON 1K	1/4 W	5%		
R223	1-246-473-00	CARBON 1K	1/4 W	5%		
R226	1-246-481-00	CARBON 2.2K	1/4 W	5%		
R227	1-246-507-00	CARBON 27K	1/4 W	5%		
R228	1-246-483-00	CARBON 2.7K	1/4 W	5%		
R229	1-246-473-00	CARBON 1K	1/4 W	5%		
R230	1-246-520-00	CARBON 91K	1/4 W	5%		
R231	1-246-497-00	CARBON 10K	1/4 W	5%		
R232	1-246-987-11	CARBON 47	1/8 W	5%	nonflammable	
R233	1-246-449-00	CARBON 100	1/4 W	5%		
R234	1-246-457-00	CARBON 220	1/4 W	5%		
R235	1-246-451-00	CARBON 120	1/4 W	5%		
R236	1-246-473-00	CARBON 1K	1/4 W	5%		
R237	1-246-987-11	CARBON 47	1/8 W	5%	nonflammable	
R239	1-246-489-00	CARBON 4.7K	1/4 W	5%		
R240	1-246-485-00	CARBON 3.3K	1/4 W	5%		
R241	1-246-489-00	CARBON 4.7K	1/4 W	5%		
R243	1-213-124-00	METAL 27	1 W	5%		
R244	1-212-368-00	METAL 4.7	1 W	5%	nonflammable	
R245	1-246-521-00	CARBON 100K	1/4 W	5%		
R246	1-246-875-00	CARBON 33	1/2 W	5%	nonflammable	
R247	1-246-473-00	CARBON 1K	1/4 W	5%		
R248	1-246-419-00	CARBON 5.6	1/4 W	5%		
R249	1-246-461-00	CARBON 330	1/4 W	5%		
R301	1-246-477-00	CARBON 1.5K	1/4 W	5%		
R302	1-246-479-00	CARBON 1.8K	1/4 W	5%		
R306	1-246-483-00	CARBON 2.7K	1/4 W	5%		
R307	1-246-443-00	CARBON 56	1/4 W	5%		
R309	1-246-491-00	CARBON 5.6K	1/4 W	5%		
R310	1-246-469-00	CARBON 680	1/4 W	5%		
R311	1-246-505-00	CARBON 22K	1/4 W	5%		
R312	1-246-473-00	CARBON 1K	1/4 W	5%		
R313	1-246-498-00	CARBON 11K	1/4 W	5%		
R314	1-246-506-00	CARBON 24K	1/4 W	5%		
R315	1-246-473-00	CARBON 1K	1/4 W	5%		
R316	1-246-477-00	CARBON 1.5K	1/4 W	5%		
R317	1-246-461-00	CARBON 330	1/4 W	5%		
R318	1-246-461-00	CARBON 330	1/4 W	5%		
R320	1-246-469-00	CARBON 680	1/4 W	5%		
R321	1-246-461-00	CARBON 330	1/4 W	5%		
R323	1-246-495-00	CARBON 8.2K	1/4 W	5%		
R324	1-246-496-00	CARBON 9.1K	1/4 W	5%		
R326	1-246-457-00	CARBON 220	1/4 W	5%		
R327	1-246-479-00	CARBON 1.8K	1/4 W	5%		
R328	1-246-477-00	CARBON 1.5K	1/4 W	5%		
R331	1-246-487-00	CARBON 3.9K	1/4 W	5%		
R332	1-246-449-00	CARBON 100	1/4 W	5%		
R333	1-246-467-00	CARBON 560	1/4 W	5%		
R501	1-246-453-00	CARBON 150	1/4 W	5%		
R502	1-246-537-00	CARBON 470K	1/4 W	5%		

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ● " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS • MF : μF, PF : μμF

RESISTORS • All resistors are in ohms.

COILS • MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

Ref.No.	Part No.	Description				Remark
R503	1-246-473-00	CARBON 1K	1/4 W	5%		
R504	1-246-513-00	CARBON 47K	1/4 W	5%		
R505	1-246-509-00	CARBON 33K	1/4 W	5%		
R506	1-246-511-00	CARBON 39K	1/4 W	5%		
R507	1-246-513-00	CARBON 47K	1/4 W	5%		
R508	1-246-509-00	CARBON 33K	1/4 W	5%		
R509	1-246-523-00	CARBON 120K	1/4 W	5%		
R510	1-246-487-00	CARBON 3.9K	1/4 W	5%		
R511	1-246-505-00	CARBON 22K	1/4 W	5%		
R512	1-246-481-00	CARBON 2.2K	1/4 W	5%		
R514	1-246-512-00	CARBON 43K	1/4 W	5%		
R515	1-246-489-00	CARBON 4.7K	1/4 W	5%		
R516	1-246-479-00	CARBON 1.8K	1/4 W	5%		
R517	1-246-461-00	CARBON 330	1/4 W	5%		
R518	1-246-461-00	CARBON 330	1/4 W	5%		
R519	1-206-676-00	METAL 3.3K	2 W	5%	nonflammable	
R520	1-206-745-00	METAL 6.8K	3 W	5%	nonflammable	
R521	1-246-467-00	CARBON 560	1/4 W	5%		
R522	1-246-501-00	CARBON 15K	1/4 W	5%		
R523	1-246-455-00	CARBON 180	1/4 W	5%		
R524	1-246-493-00	CARBON 6.8K	1/4 W	5%		
R525	1-246-495-00	CARBON 8.2K	1/4 W	5%		
R526	1-246-505-00	CARBON 22K	1/4 W	5%		
R527	1-246-457-00	CARBON 220	1/4 W	5%		
R528	1-214-145-00	METAL 3.6K	1/4 W	1%		
R529	1-214-152-00	METAL 6.8K	1/4 W	1%		
R530	1-246-501-00	CARBON 15K	1/4 W	5%		
R531	1-246-517-00	CARBON 68K	1/4 W	5%		
R532	1-246-497-00	CARBON 10K	1/4 W	5%		
R533	1-246-489-00	CARBON 4.7K	1/4 W	5%		
R534	1-213-127-00	METAL 47	1 W	5%	nonflammable	
R535	1-246-463-00	CARBON 390	1/4 W	5%		
R537	1-212-362-00	METAL 1.5	1 W	5%	nonflammable	
R538	1-246-475-00	CARBON 1.2K	1/4 W	5%		
R539	1-246-475-00	CARBON 1.2K	1/4 W	5%		
R540	1-246-506-00	CARBON 24K	1/4 W	5%		
R541	1-246-489-00	CARBON 4.7K	1/4 W	5%		
R542	1-247-439-00	CARBON 8.2K	1/8 W	5%		
R543	1-213-129-00	METAL 68	1 W	5%	nonflammable	
R544	1-246-473-00	CARBON 1K	1/4 W	5%		
R545	1-247-032-00	CARBON 68	1/8 W	5%	nonflammable	
R546	1-247-009-00	CARBON 470	1/4 W	5%	nonflammable	
R547	1-246-491-00	CARBON 5.6K	1/4 W	5%		
R548	1-246-984-11	CARBON 22	1/8 W	5%	nonflammable	
R549	1-246-483-00	CARBON 2.7K	1/4 W	5%		
R550	1-213-133-00	METAL 150	1 W	5%	nonflammable	
R551	1-246-996-00	CARBON 2.2K	1/8 W	5%	nonflammable	
R552	1-246-513-00	CARBON 47K	1/4 W	5%		
R553	1-246-491-00	CARBON 5.6K	1/4 W	5%		
R554	⚠1-246-979-00	CARBON 1.2	1/8 W	5%	nonflammable	
R555	⚠1-213-143-00	METAL 1K	1 W	5%	nonflammable	
R556	1-214-909-00	METAL 68K	1/2 W	1%		
R557	1-246-491-00	CARBON 5.6K	1/4 W	5%		
R558	1-244-898-00	CARBON 11K	1/2 W	5%		
R559	1-246-475-00	CARBON 1.2K	1/4 W	5%		
R563 ⧓⚠		CARBON	1/4 W			
R565	1-246-541-00	CARBON 680K	1/4 W	5%		
R585	1-246-987-11	CARBON 47	1/8 W	5%	nonflammable	
R603	1-213-163-00	METAL 47K	1 W	5%	nonflammable	
R605B	1-246-989-11	CARBON 82	1/8 W	5%	nonflammable	
R606	1-213-157-00	METAL 15K	1 W	5%	nonflammable	
R607	1-244-896-00	CARBON 9.1K	1/2 W	5%		
R608	⚠1-247-037-00	CARBON 390	1/8 W	5%	nonflammable	
R609	1-244-913-00	CARBON 47K	1/2 W	5%		
R610	1-246-525-00	CARBON 150K	1/4 W	5%		
		VARIABLE RESISTOR				
RV201	1-226-135-00	RES, ADJ, CARBON 4.7K				
RV202	1-226-135-00	RES, ADJ, CARBON 4.7K				
RV301B	1-222-787-12	RES, ADJ, CARBON 10K				
RV302	1-226-078-00	RES, VAR, CARBON 10K				
RV303	1-226-408-00	RES, VAR, CARBON 500				
RV304	1-222-518-12	RES, ADJ, CARBON 4.7K				
RV305	1-226-075-00	RES, VAR, CARBON 10K				
RV306	1-226-075-00	RES, VAR, CARBON 10K				
RV307	1-224-552-00	RES, ADJ, CARBON 470K				
RV308	1-222-516-13	RES, ADJ, CARBON 470				
RV501	1-226-819-00	RES, ADJ, METAL 1K				
RV502	1-226-217-00	RES, ADJ, CARBON 22K				
RV503B	1-226-077-00	RES, VAR, CARBON 5K				
RV504	1-222-518-12	RES, ADJ, CARBON 4.7K				
		SWITCH				
S301	1-553-176-00	SWITCH, ROTARY				E-103
		FILTER				
SF201	1-404-227-31	FILTER, SURFACE WAVE; SAWF				
		SPARK GAP				
SG501	1-519-063-XX	SPARK GAP				
		TRANSFORMER				
T201	1-404-265-00	VIFT				
T202	1-404-229-00	VIFT 44MHZ				
T203	1-404-181-00	COIL, VIF				
T204	1-404-182-00	COIL, VIF				
T205	1-404-181-00	COIL, VIF				
T206	1-403-360-00	COIL, SIF				
T207	1-403-871-00	SIFT-2 COIL				
T209	⚠1-427-394-00	TRANSFORMER, OUTPUT				
T301	1-425-995-00	TRANSFORMER, INPUT				
T302	1-409-193-00	COIL 3.58MHZ TRAP				
T501	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE				
T502	⚠1-421-351-00	H.PCT				
T503	⚠1-439-250-00	TRANSFORMER ASSY, FLYBACK				E-101

- The components identified by ⧓ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ● " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS • MF : μF, PF : μμF

RESISTORS • All resistors are in ohms.

COILS • MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A M1

Ref.No.	Part No.	Description	Remark
T601	⚠1-421-357-00	TRANSFORMER, LINE FILTER	
		THERMISTOR	
THP601	⚠1-800-686-00	THERMISTOR	
		CRYSTAL	
X301	1-527-396-00	CRYSTAL, OSC	
**********			
	●:1-602-504-00	M1 BOARD	E-5
	●:1-555-338-00	CONNECTOR, 5P	
	●:1-555-356-00	CONNECTOR, 6P	
		CAPACITOR	
C2201	1-123-353-00	CAP, ELECT 2.2MF 20% 50V	
C2202	1-123-352-00	CAP, ELECT 1MF 20% 50V	
		DIODE	
D2201	8-719-106-34	DIODE SR632D	
D2202	8-719-106-34	DIODE SR632D	
D2203	8-719-106-34	DIODE SR632D	
D2204	8-719-106-34	DIODE SR632D	
D2205	8-719-106-34	DIODE SR632D	
D2206	8-719-812-41	DIODE TLR124	
D2207	8-719-812-42	DIODE TLY124	
D2208	8-719-812-43	DIODE TLG124	
		IC	
IC2201	8-759-619-03	IC M51903L	
		RESISTOR	
R2200	1-246-497-00	CARBON 10K 1/4 W 5%	
R2201	1-246-471-00	CARBON 820 1/4 W 5%	
R2202	1-246-471-00	CARBON 820 1/4 W 5%	
R2203	1-246-471-00	CARBON 820 1/4 W 5%	
R2204	1-246-471-00	CARBON 820 1/4 W 5%	
R2205	1-246-471-00	CARBON 820 1/4 W 5%	
R2206	1-246-449-00	CARBON 100 1/4 W 5%	
R2207	1-246-485-00	CARBON 3.3K 1/4 W 5%	
		SWITCH	
S2201	1-552-656-00	SWITCH, SLIDE	
S2202	1-552-656-00	SWITCH, SLIDE	
S2203	1-552-774-00	SWITCH, PUSHBUTTON	
S2204	1-552-774-00	SWITCH, PUSHBUTTON	
S2205	1-552-774-00	SWITCH, PUSHBUTTON	
S2206	1-552-437-00	SWITCH, LEVER	

Ref.No.	Part No.	Description	Remark
		MISCELLANEOUS	
	⚠1-226-733-21	RESISTOR, HIGH-VOLTAGE	E-54
	⚠1-451-185-00	DEFLECTION YOKE, DY	E-67
	1-452-032-00	MAGNET, DISK	E-1
	1-452-094-00	MAGNET, ROTATABLE DISK	E-8
	1-452-146-00	MAGNET, BMC	E-52
	⚠1-463-264-00	VHF/UHF TUNER (BT-852)	E-62
	●:1-509-990-00	CONNECTOR, 2P	
	1-526-606-00	CAP, HIGH-VOLTAGE	E-55
	1-536-376-11	L-TYPE TERMINAL STRIP	E-107
	⚠1-536-598-00	TERMINAL BOARD, ANTENNA	E-58
	●:1-551-382-00	CABEL, P-P	E-60
	⚠1-551-509-00	CORD, POWER	E-7
	●:1-551-653-00	FEEDER, SOLDERLESS TERMINAL	E-59
	●:1-555-020-00	CONNECTOR, MINIATURE; 3P	
	●:1-551-793-00	CONNECTOR, 2P	
C901	⚠1-102-155-00	CAP,CERAMIC 330PF 20% 2KV	
J901A,B	1-507-372-00	JACK, DOUBLE	E-3
L901	⚠1-425-922-81	COIL, DEGAUSSING	E-53
L902	⚠1-425-922-81	COIL, DEGAUSSING	E-53
L904	1-408-349-00	COIL, CHOKE	
L905	1-407-365-00	COIL, CHOKE (HIGH FREQUENCY)	
Q902	=>8-729-287-00	TRANSISTOR 2SD870	E-106
R901	⚠1-205-612-00	RES, CEMENT WIREWOUND 4.7 20W 10%	E-104
R902	⚠1-205-613-00	RES, CEMENT WIREWOUND 220 20W 10%	E-105
S901	⚠1-553-262-00	SWITCH, PUSHBUTTON	E-4
SP901	1-502-882-00	SPEAKER	E-2
V901	⚠8-738-901-05	PICTURE TUBE	E-68

NOTE:

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CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms.

COILS
- MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
Y-2063-103-0	ANTENNA, LOOP (AN-15)	E-56
Y-2201-611-0	ANTENNA, TELESCOPIC DIPOLE (AN-16)	E-6
1-504-034-32	EARPHONE, MAGNETIC (ME-20B)	
1-513-379-00	CONNECTOR, ANTENNA (EAC-25)	E-57
3-701-352-00	BAG, POLYETHYLENE	
3-701-628-00	BAG, POLYETHYLENE	
4-316-037-00	BAG, POLYETHYLENE	
4-335-355-00	LABEL, INSTRUCTION PRESET	
4-344-022-00	LABEL (B), INDICATOR	
4-344-040-01	CARTON	
4-344-036-01	CUSHION (LEFT UPPER)	
4-344-037-01	CUSHION (RIGHT UPPER)	
4-344-038-01	CUSHION (LEFT LOWER)	
4-344-039-01	CUSHION (RIGHT LOWER)	
4-495-954-31	MANUAL, INSTRUCTION	

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
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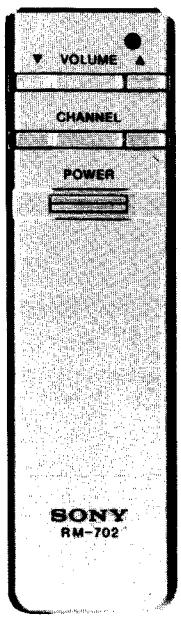
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- MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

RM-702



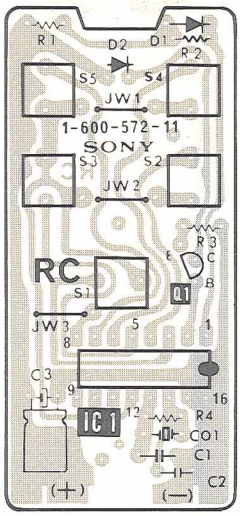
REMOTE COMMANDER

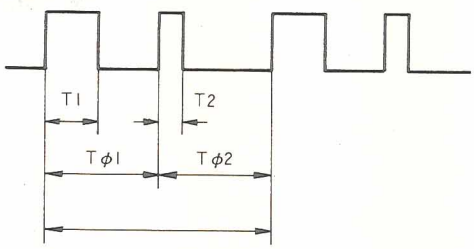
SPECIFICATIONS

Control System:	Infrared control
Semiconductors:	1 transistor, 2 diodes & 1 IC
Power Requirements:	3V dc, batteries size "AA" (IEC designation R6) 2 pcs.
Dimensions:	Approx. 36 (w) x 21.5 (h) x 133 (d) mm $1\frac{3}{8}$ (w) x $\frac{7}{8}$ (h) x $5\frac{1}{4}$ (d) inches
Net Weight:	80g (3 oz) including batteries
Accessories supplied:	Battery size "AA" (IEC designation R6)

1. MOUNTING DIAGRAM

— Conductor Side —

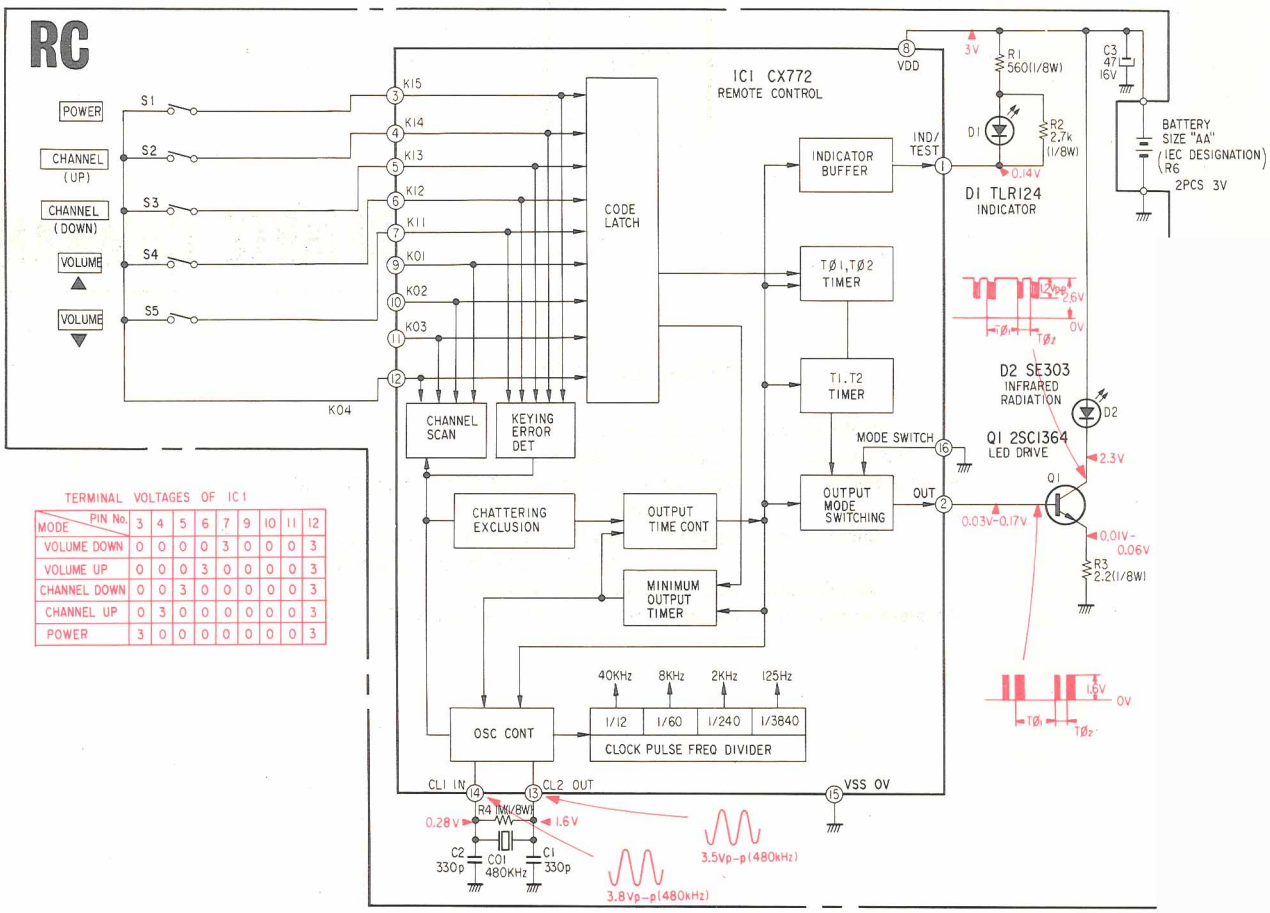




Tφ1 / Tφ2	3ms	5.5ms	8.5ms	13ms	22ms
13ms	SND/DN	SND/UP	CH/UP	CH/DN	Power

- T_1 = 1.5ms
- T_2 = 0.75ms
- Carrier (f_0) = 40kHz

2. SCHEMATIC DIAGRAM



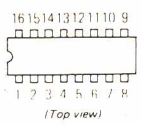
TERMINAL VOLTAGES OF IC1

MODE \ PIN No.	3	4	5	6	7	9	10	11	12
VOLUME DOWN	0	0	0	0	3	0	0	0	3
VOLUME UP	0	0	0	3	0	0	0	0	3
CHANNEL DOWN	0	0	3	0	0	0	0	0	3
CHANNEL UP	0	3	0	0	0	0	0	0	3
POWER	3	0	0	0	0	0	0	0	3

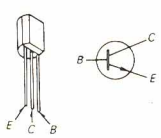
Note:

- All capacitors are in μF unless otherwise noted. 50WV or less are not indicated except for electrolytics. p : μμF
- All resistors are in ohms, 1/8W. kΩ : 1000Ω, MΩ : 1000kΩ
- ☐ : panel designation.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 20,000-ohm-per-volt VOM.
- Voltage variations may be noted due to normal production tolerances.

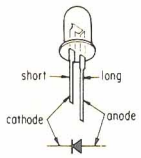
CX772



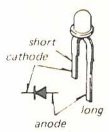
2SC1364



SE303A



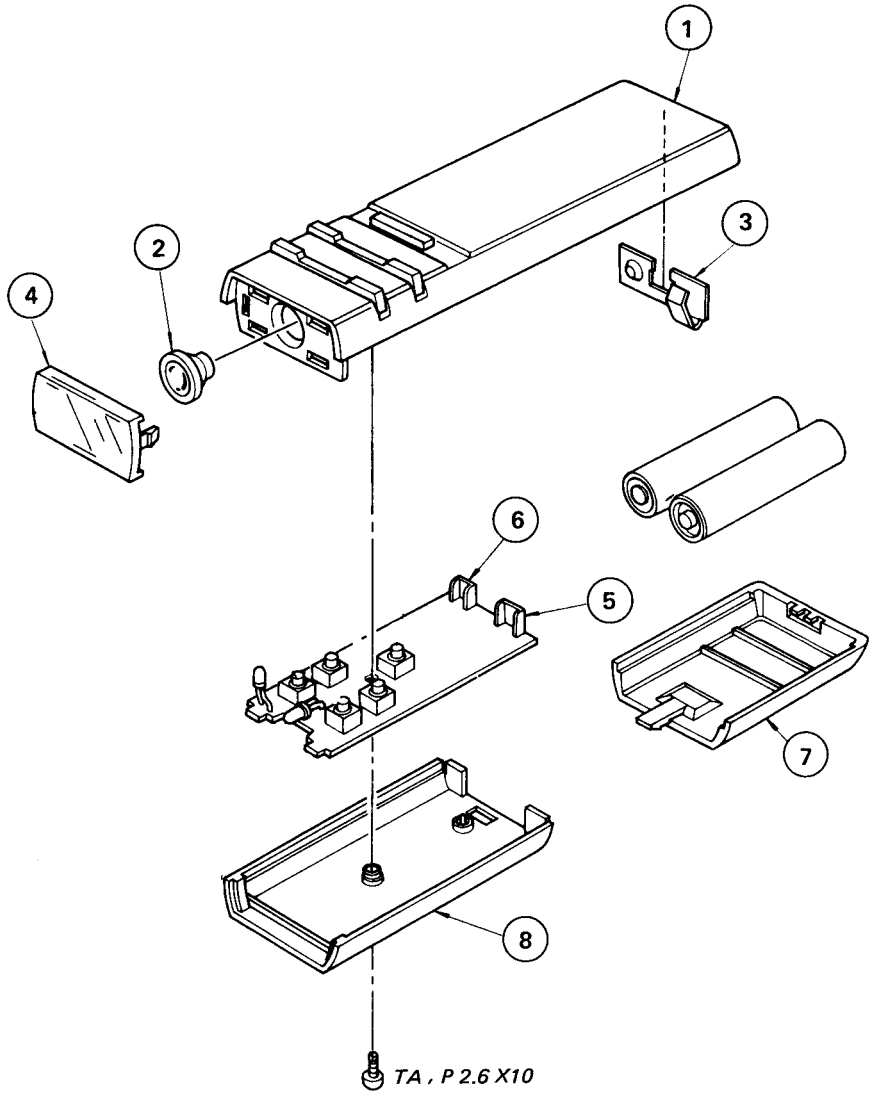
TLR124



A B C D

1 2 3 4 5

3. EXPLODED VIEW



No.	Part No.	Description	Remark
1	X-4338-001-6	CASE (UPPER) ASSY	
2	2-249-913-00	MIRROR, REFLECTION	
3	4-334-234-00	TERMINAL (C), BATTERY	
4	4-338-005-00	PLATE, FROSTED	
5	4-338-006-00	TERMINAL (+), BATTERY	
6	4-338-007-00	TERMINAL (-), BATTERY	
7	4-338-008-00	COVER, BATTERY CASE	
8	4-338-009-00	CASE (LOWER)	

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ● " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

RC

Ref.No.	Part No.	Description			Remark
	1-600-572-00	RC BOARD			
		CAPACITOR			
C1	1-102-832-00	CAP, CERAMIC 330PF	10%	50V	
C2	1-102-832-00	CAP, CERAMIC 330PF	10%	50V	
C3	1-123-319-00	CAP, ELECT 47MF	20%	16V	
		OSCILLATOR			
C01	1-527-476-00	OSCILLATOR, CERAMIC			
		DIODE			
D1	8-719-812-41	DIODE TLR124			
D2	8-719-103-03	DIODE SE303A			
		IC			
IC1	8-759-607-72	IC CX772			
		TRANSISTOR			
Q1	8-729-663-47	TRANSISTOR 2SC1364			
		RESISTOR			
R1	1-246-780-00	RES, CARBON 560	1/8 W	5%	
R2	1-246-780-00	RES, CARBON 2.7K	1/8 W	5%	
R3	1-246-751-00	RES, CARBON 2.2	1/8 W	5%	
R4	1-246-053-00	RES, CARBON 1M	1/8 W	5%	
		SWITCH			
S1	1-552-868-21	SWITCH, PUSHBUTTON			
S2	1-552-868-21	SWITCH, PUSHBUTTON			
S3	1-552-868-21	SWITCH, PUSHBUTTON			
S4	1-552-868-21	SWITCH, PUSHBUTTON			
S5	1-552-868-21	SWITCH, PUSHBUTTON			

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.
- Items marked " ● " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms.

COILS
- MMH : mH, UH : μH

Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

STANDARD PARTS LIST

**** CAPACITOR ELECT ****

uF	6.3V	10V	16V	25V	35V	50V	100V	160V	250V	350V
	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
0.47						1-121-726				
1.0						391	1-123-249	1-123-252	1-123-003	1-121-168
2.2						450	250	026		1-123-028
3.3				1-121-392		393	1-121-995		004	006
4.7				395		396	1-123-255	1-121-246	1-121-759	007
10			1-121-651	398		738	1-121-126	999	1-123-254	008
22			479	480	1-121-662	152	996	1-123-253		022
33			403	404	652	405	997	919		
47		1-121-352	409	410	653	411	1-123-251			
100		414	415	416	357	417	084			
220	1-121-419	420	421	422	261	423				
330	751	805	521	654	655	656				
470	424	425	426	733	361	810				
1000		736	245	657	388	1-123-061				
2200	658	659	660	1-123-067	984					
3300	661	1-121-075	1-123-071							

**** CAPACITOR ****

MYLAR

uF	50V 10%	100V 10%	200V 10%
0.001	1-108-227	1-108-365	1-108-409
0.0012	351	365	410
0.0015	228	367	411
0.0018	352	368	412
0.0022	230	369	413
0.0027	353	370	414
0.0033	232	371	415
0.0039	354	372	416
0.0047	234	373	417
0.0056	355	374	418
0.0063	237	375	419
0.0082	355	376	420
0.01	239	377	421
0.012	357	378	422
0.015	240	379	423
0.018	358	380	424
0.022	242	381	425
0.027	359	382	426
0.033	244	383	427
0.039	360	384	428
0.047	246	385	429
0.056	361	386	430
0.068	249	387	431
0.082	362	388	432
0.1	251	389	433
0.12	363	390	434
0.15	252	391	435
0.18	364	392	436
0.22	254	393	437
0.27	854		
0.33	855		
0.39	856		
0.47	857		

CERAMIC

	pF	Part No.
	0.5	1-101-837
	0.75	586
	1.0	1-102-934
	1.5	1-101-576
	2.0	1-102-935
S	3	936
L	4	937
	5	942
	6	943
	7	944
	8	945
	9	946
	10	947
	11	948
	12	949
	13	950
	15	951
	16	952
	18	953
	20	958
	22	959
	24	960
	27	961
	30	962
	33	963
	36	964
	39	965
	43	966
	47	1-101-880
	51	882
	56	884
	62	886
	68	888
	75	890
	82	1-102-971
	91	972

	pF	Part No.
	100	1-102-973
	110	815
	120	816
	130	1-101-081
	150	361
S	160	367
	180	1-102-976
L	200	977
	220	978
	240	979
	270	980
	300	981
	330	820
	360	821
	390	822
	430	823
	470	824
	510	1-101-059
	560	1-102-115
	630	116
	820	117
	1000	074
	1200	118
	1500	119
B	1800	120
	2200	121
	2700	122
	3300	123
	3900	124
	4700	125
	5600	126
	6800	127
	8200	128
	10000	129

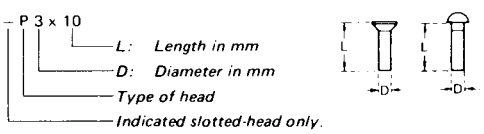
	pF	Part No.
	1000	1-101-001
	2200	002
F	4700	003
	10000	004
	22000	005
	47000	006

1/4 WATT CARBON RESISTORS

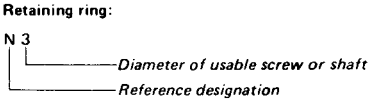
Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-576-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-577-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-578-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-579-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-580-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-581-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-582-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-583-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-584-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-585-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-586-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-587-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

Sony Corporation

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