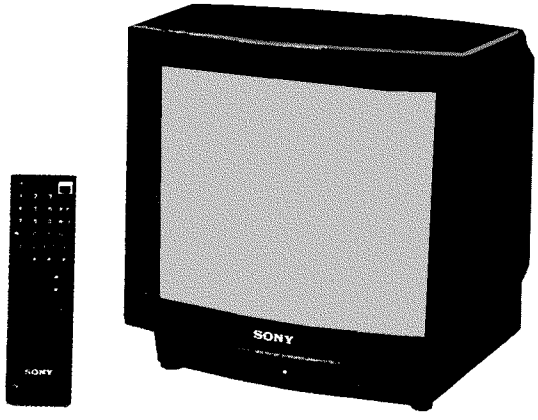
KV-M1410U/M1411U

RM-694

SERVICE MANUAL

UK Model
KV-M1410U
Chassis NO. SCC-D86K-A
KV-M1411U
Chassis NO. SCC-D86L-A



BE-2A CHASSIS

MODELS OF THE SAME SERIES	
KV-M1410U/M1411U	KV-M1921U
KV-M1420U/M1421U	KV-M2140U/M2141U
KV-M1620U/M1621U	

SPECIFICATIONS

【KV-M1410U/M1411U】

Television system	I
Colour system	PAL
Channel coverage	UHF : 21-69
Picture tube	Black Trinitron tube 90° degree deflection Approx. 36.8 cm (14 inches) (Approx.33.7cm picture measured diagonally)
Inputs	21-pin connector : CENELEC standard. Including RGB input Audio/Video input jacks : phono jacks
Outputs	21-pin connector : CENELEC standard Headphones jack : minijack
Sound output	5 W (Music)
Power consumption	64W (KV-M1410U) 69W (KV-M1411U)
Dimensions	Approx. 345x325x407.5mm (w/h/d)
Weight	Approx. 10.5kg (KV-M1410U) Approx. 11.0kg (KV-M1411U)
Supplied accessories	RM-694 Remote Commander (1) IEC designation R6 batteries (2) Loop antenna (1)

【RM-694】

Remote control system	infrared control
Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Dimensions	Approx. 55×18×185mm (w/h/d)
Weight	Approx. 100g including batteries
Accessories supplied	IEC designation R6 batters (2)

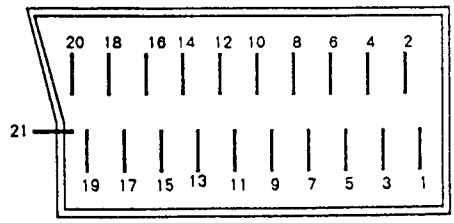
Design and specifications are subject to change without notice.

MICROFILM

TRINITRON® COLOUR TV

SONY®

21-pin Euro Connector Configuration



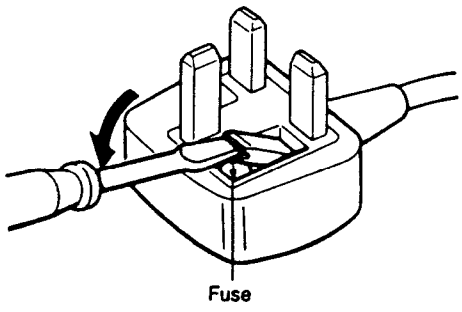
PIN	SIGNAL	SPECIFICATION
1	Audio output	0.5Vrms/1kilohm or less
2	Audio input	0.5Vrms/10kilohms or more
3	Audio output	0.5Vrms/1kilohm or less
4	Earth (audio)	
5	Earth (B-input)	
6	Audio input	0.5Vrms/10kilohms or more
7	B-input	0.7Vp-p/75ohms
8	Function switching	9.5V to 12V
9	Earth (G-input)	
10		
11	G-input	0.7Vp-p/75ohms
12		
13	Earth (R-input)	
14	Earth (blanking)	
15	R-input	0.7Vp-p/75ohms
16	Fast blanking	1V to 3V/75ohms
17	Earth (video)	
18	Earth (fast blanking)	
19	Video output	1Vp-p/75ohms
20	Video input	1Vp-p/75ohms
21	Screening plug	

• CAUTION

The flexible mains lead is supplied connected to a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS 1362, i.e., carries the ⓐ mark.

How to replace the fuse

Open the fuse compartment with the blade screwdriver, and replace the fuse.



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.

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Note) The layout, etc., will be slightly different from the operating instructions packed with the units.

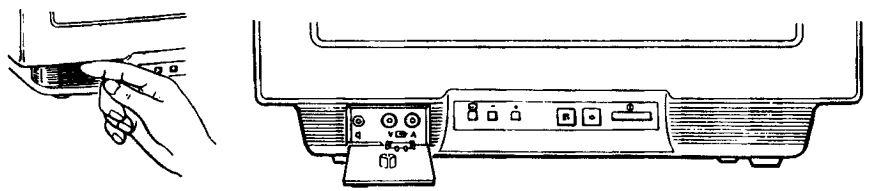
SECTION 1 GENERAL

1-1. INDEX OF THE PARTS

In the following you will find a short description of the parts and their function on the set or on the remote commander using the respective symbols. For more details reter to the page number given in the index.

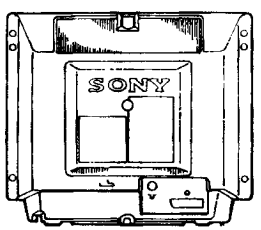
TV set

Front

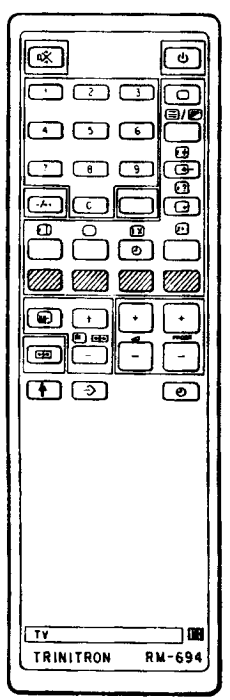


Pull to open the panel

Rear



Remote Commander



TV set

Symbol	Function
	Headphones jack (mini-jack)
V	Video Input jack
A	Audio input jack
+/−	Buttons for Sound and picture adjustment
+/−	Programme scanning buttons
	Remote control detector
	Standby indicator
	Power switch
	Aerial socket (rear of the set)
	21-Pin connector (rear of the set)

Remote Commander

Symbol	Function
	Mute button
1−9, 0, −/−−	Number buttons − in case of two digit numbers first press button −/−− and then two number buttons
	Button has no function
	Select button for picture adjustment item
+/−	Buttons for adjustment picture items
↑ and +/−	Buttons for manual fine tuning of a channel
→ • ←	Button for resetting the picture adjustment items to standard
C	Button for clearing a programme position (in preset mode)
↑	Functions only in combination with other buttons
and ↑	Preset mode on/off buttons
	Buttons for switching the TV set into standby mode
	Used to return to TV-mode from stadby and video input modes
	Button for selecting the video input mode
	On/off button for onscreen display
	Time feature (only for KV-M1421U)
PROGR +/−	Programme scanning butlons
+/−	Buttons for adjusting the volume
	Button for activating the sleep timer

Note Buttons not referred to in this index have no function.

KV-M1410U/1411U RM-694

1-2. TO PRESET CHANNELS

The control buttons to preset channels are located on the Remote Commander. **(Up to 60 programme positions are at your disposal.)**

1 **Press the power switch on the set to switch it on.**

2 Press both the ↑ (shift) button and the (preset) button simultaneously. You are now in the preset mode.

3 Use either button PROGR + (upwards) or PROGR − (downwards) to select the required programme position.

4 Press both the ↑ button and the +/− or − button repeatedly until the desired TV station is found.

5 Repeat steps 3 and 4 for all other channels.

6 Press once more both the ↑ button and the (preset) button in order to return to the TV mode and to store the channels.

Skipping of programme positions

Using both the button C and the ↑ button you have the possibility to skip unused programme positions (e.g. without a stored station) when pressing the PROGR +/− buttons.

1 Press both the ↑ button and the (preset) button to select the preset mode.

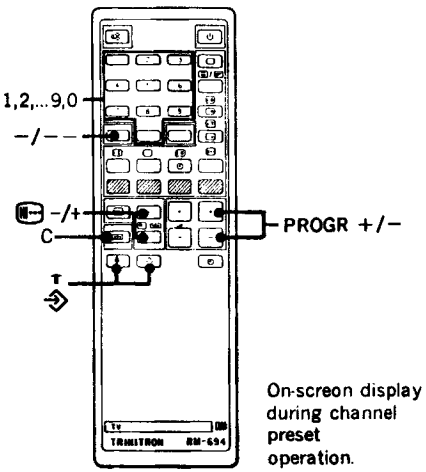
2 Select the programme position to be skipped by pressing the + or − PROGR button.

3 Press the C button.

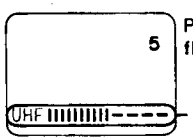
4 Prees both the (preset) button and the ↑ button to return to the TV mode.

Manual Fine Tuning

If the reception of a channel is not satisfactory you have the possibility to deactivate the Automatic Fine Tuning which usually tunes in the best possible picture during presetting.
Press both the ↑ button and the + or − button to fine ture the channel. By pressing the respective programme number the automatic Fine Tuning will be restored.

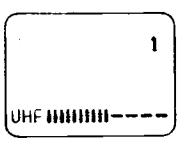


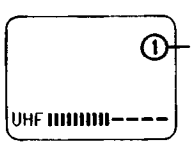
On-screon display during channel preset operation.



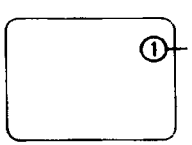
Programme position flashes.

Indicates the approximate location in the band of the channel being tuned in.





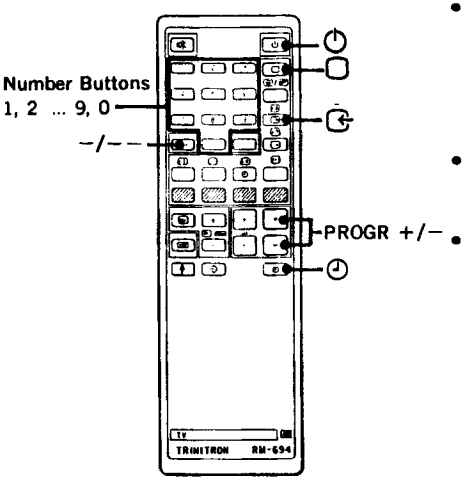
Programme number stops flashing.



On-screen display after presetting.

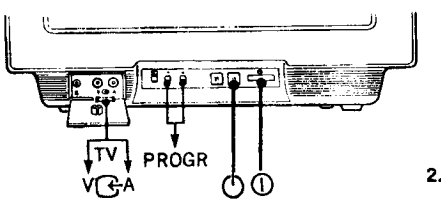
1-3. DAILY USE OF THE TV

Your TV set is supposed to be operated with the Remote Commander, for the basic functions however it is also possible to use the buttons on the set itself.



- **Switching the set on**
  Press the power switch on the set to switch the TV on. if the set is switched on. the green indicator on the set lights up, if it is in standby mode the red indicator lights up (see also 'Standby mode').
- **Switching the set off**
  Press the power switch on the set to switch the TV off.
- **Selection of programmes**
  Press the respective number button 1,2, −−− 9 on the remote commander.
  In the case of two digit numbers, first press button −/−− and then the two respective number buttons.
  With the PROGR +/− buttons you can scan the programme positions (+ upwards, − downwards).
  On the Set
  Press the − button for lower programme positions and the + button for higher ones.
- **Standby mode**
  There are two possibilitles to put the set into standby mode.

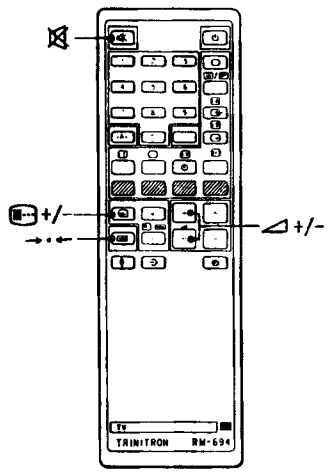
1. **Directly**
   Press the button ⏻ on the remote commander. The red indicator ⏻ on the set lights up.
   Note :
   Use the standby button only for short breaks. if the set will not be used for a longer time span, use the power switch ⏻ to switch the set off.
2. **By using the sleep timer**
   Press the ⏲ button repeatedly until the required time period is displayed on the screen (30, 60, 90 or 0 for cancelling of the operation).
   In this way you can select the time perlod after which the set switches itself automaticaily into standby mode.

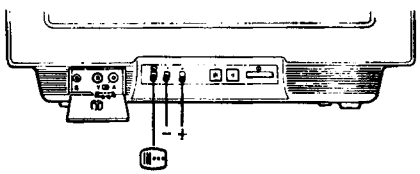


Switching the set on out of standby mode
Press the ▢ button or one of the number buttons on the remote commander.

- **On-screen display**
  Press the button to display the programme number on the screen and press the button once more to make (only for KV-M1421U) it disappear.
- **Time feature**
  In TV-mode. if teletext is broadcast on the selected channel, press the button to display the current time.
- **Selecting the signal of the connected device**
  Press the button to receive the signal of the device (e.g. a video recorder) connected at the V A connectors or the 21 -pin connector (rcar of the set).
  Press the ▢ button to return to the TV mode.

1-4. PICTURE AND SOUND ADJUSTMENTS





- **Volume**
  Press the button + to increase the volume and the button − to decrease it.

  On the set
  Press the button until is displayed on the screen and adjust the volume with the − or + button.

- **Modification of the picture presettings**
  Press the button on the commander to select either contrast, colour intensity, or brightness (the respective indication is displayed on the screen). Adjust the settings by pressing the + or − button.

  To return to factory-set leveis
  Press the reset button → • ← to return to the preset picture leves.

  On the set
  Press the button in order to select the requested item (contrast, colour Intensity, brightness, and adjust with the + or − button.

- **Muting the sound**
  Press the button to switch off the sound. Press the button again to restore the sound.

1-5. VIEWING TELETEXT (KV-M1411U only)

To view the teletext service, use the Remote Commander. RM−694 has teletext buttons indicated in green teletext operation are indicated in green.

Operation

1 Select the TV channel for the desired teletext service.
2 Press (TEXT/MIX) to display the teletext service.
Once has been pressed, the TV channel cannot be changed.
3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the Remote Commander.

The teletext service can be displayed directly from the standby mode, by pressing .

To receive the teletext service of a different TV channel.
1 Press TV to return to the TV mode.
2 Select the desired TV channel.
3 Press .

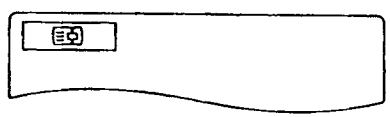
To display the index page.
Press (INDEX). If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page
Press (PAGE+) or (PAGE−).
These buttons are indicated in white on the Commander.

To superimpose the teletext display on the TV picture.
Press twice from TV mode.
Press again to return to the TEXT display.

To suppress the teletext display so that the TV picture is displayed.
Press (TEXT CL). This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page (subpage) from being updated /changed.
Press HOLD. The HOLD symbol " " appears at the top left of the screen.



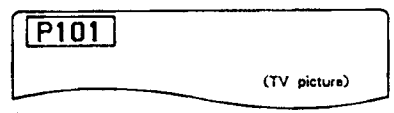
To resume normal teletext reception, press .

To enlarge the teletext display.
Press . Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display; press again to return to the normal display.

To reveal concealed infomation such as the answers to a quiz
Press (REVEAL)
Press again to conceal the answers.

To adjust the contrast of the teletext display.
Press + or − button.

To watch the TV program while waiting for a requested page to be displayed.
1 Request the new page.
2 Press to watch the TV program. The requested page number appears at the top left of the screen.
When the requested page has been found, the page number is displayed on the top left hand corner of the screen.

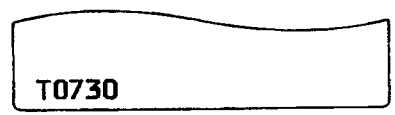


To view this page, press .

To have a requested page displayed at a pre-determined time.
1 Request a time coded page (e. g. alarm page).
2 Press (TP ON).
"T****" will appear at the bottom of the screen.



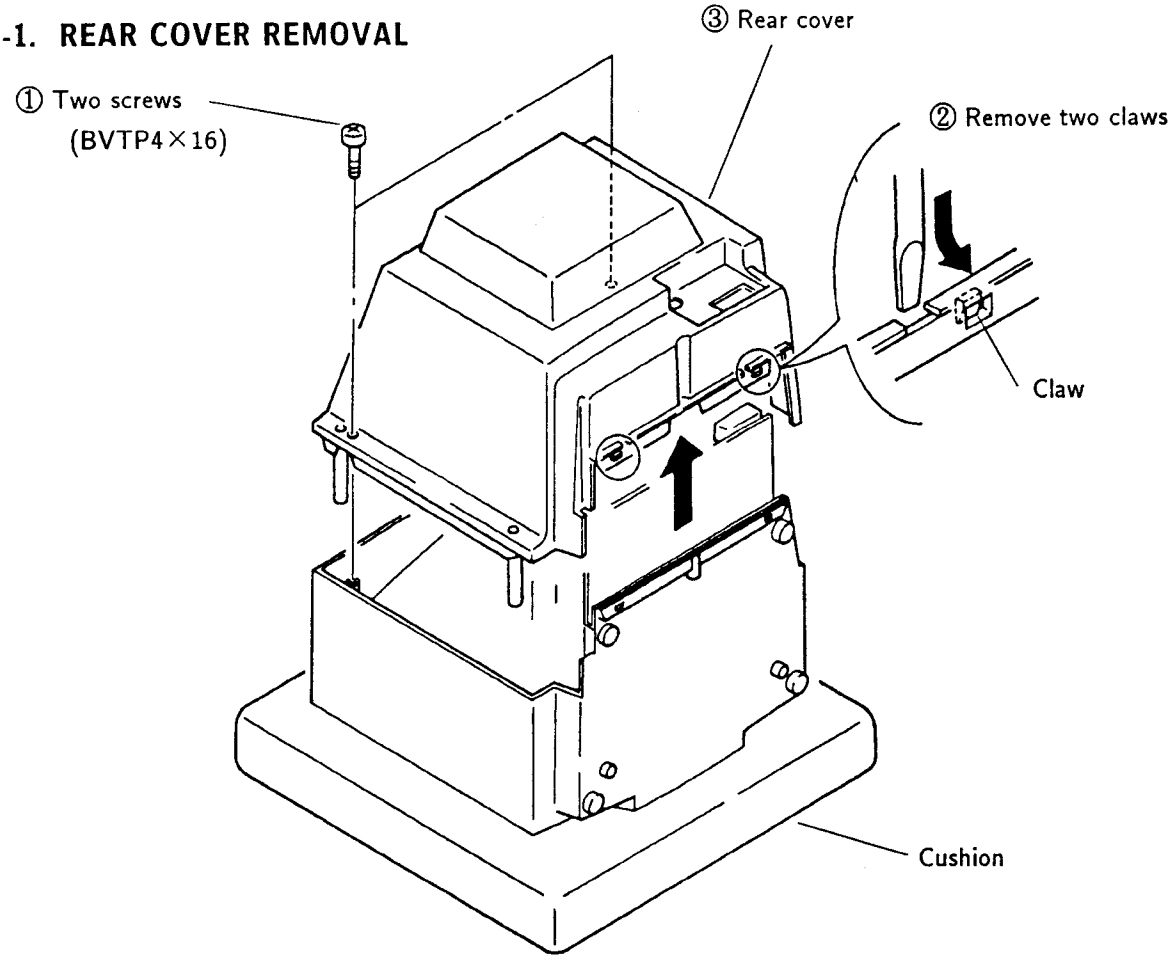
3 Enter your request time with the number buttons, using four digits. For example, 07 : 30.



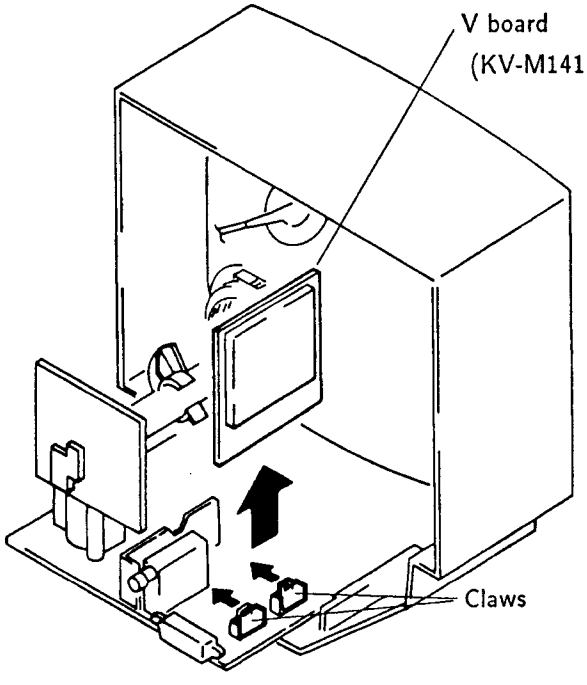
To watch the TV program until the requested time, press .
At the requested time, the page number will be displayed at the top of the screen.
To view this page, press .
To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF).

SECTION 2
DISASSEMBLY

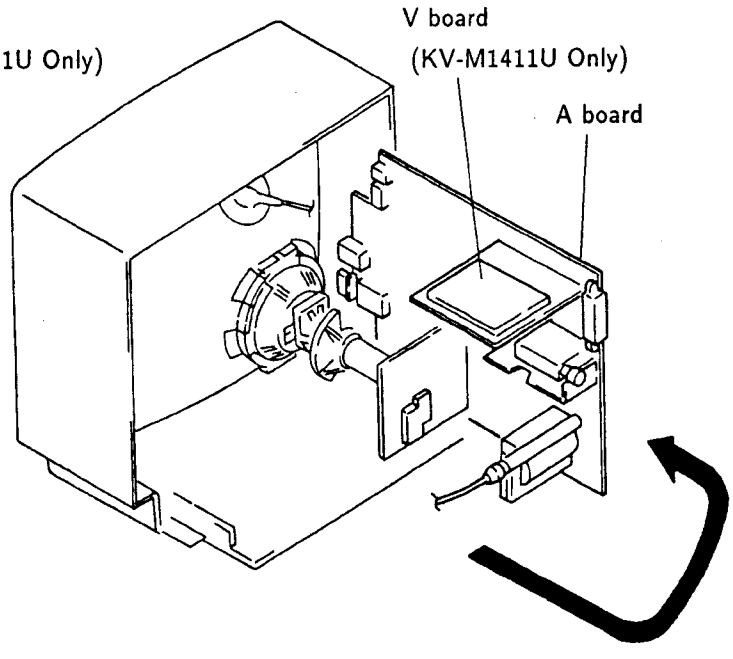
2-1. REAR COVER REMOVAL



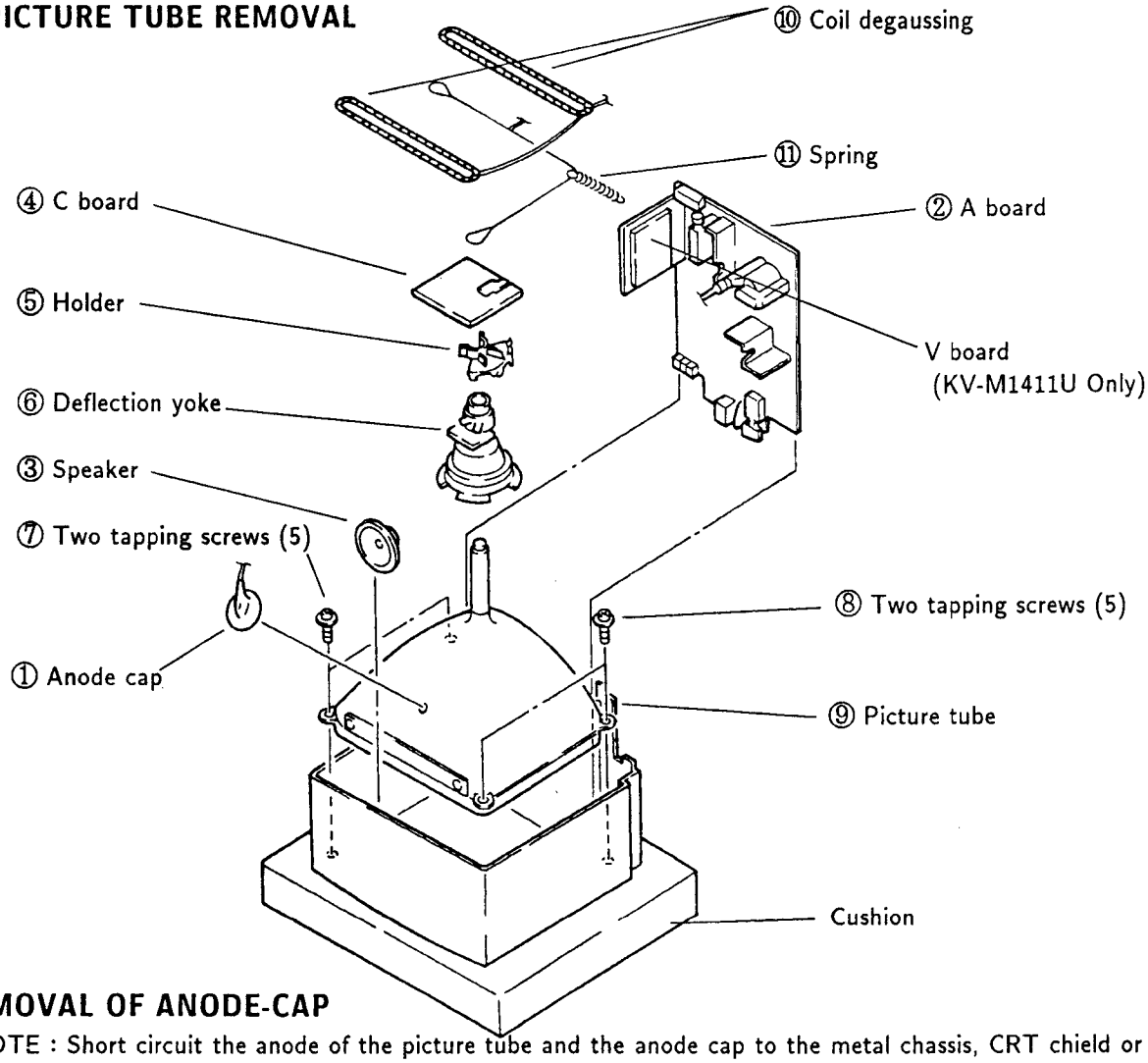
2-2. V BOARD REMOVAL



2-3. SERVICE POSITION



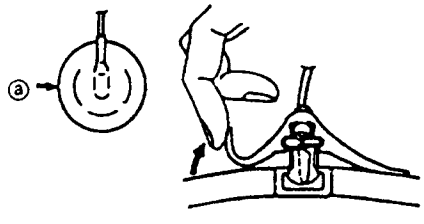
2-4. PICTURE TUBE REMOVAL



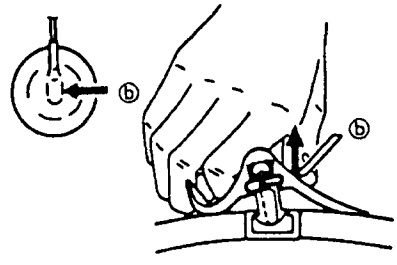
· REMOVAL OF ANODE-CAP

NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

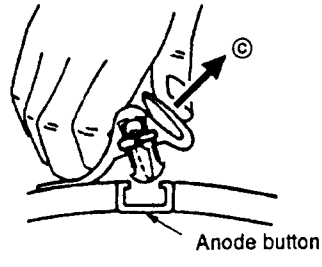
· REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.



② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.



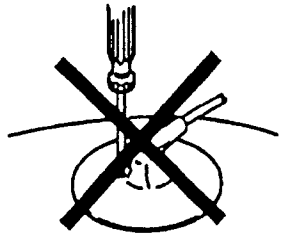
③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⓒ.

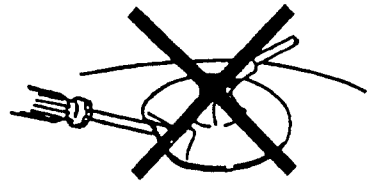
· HOW TO HANDLE AN ANODE-CAP

① Don't hurt the surface of anode-caps with sharp shaped material!

② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.

③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3
SET-UP 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.

The controls and switch below should be set as follows unless otherwise noted :

◑ CONTRASTcontrol····· 80%(or Normal by commander)

☼ BRIGHTNESS control····· 50%

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G 2) and White Balance

Note: Test Equipment Required.

1. Color bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation:

● Set the side of the unit with the PICTUE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.

● Turn the power switch for the unit ON and erase the magnetic force using a degausser..

3-1. BEAM LANDING

Demagnetize with a degausser

1. Input a raster signal with the pattern generator.
   CONTRAST
   BRIGHTNESS } normal
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides evenly. (Fig.3-1 - 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig.3-1)
5. Switch over the raster signal to blue and blue and confirm the condition.
6. When the position of the deflection yoke is determined,tighten it with a deflection yoke mounting screw.
7. When landing at the corner is not right, adjust by using the disk magnets. (Fig.3-4)

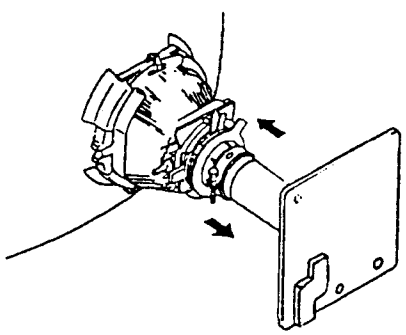


Fig.3-1

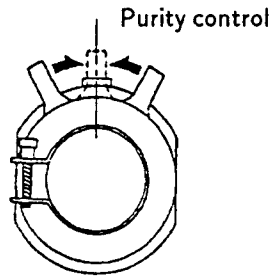


Fig.3-2

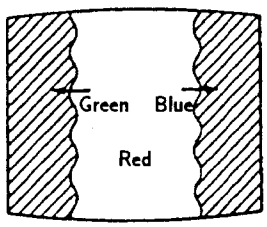


Fig.3-3

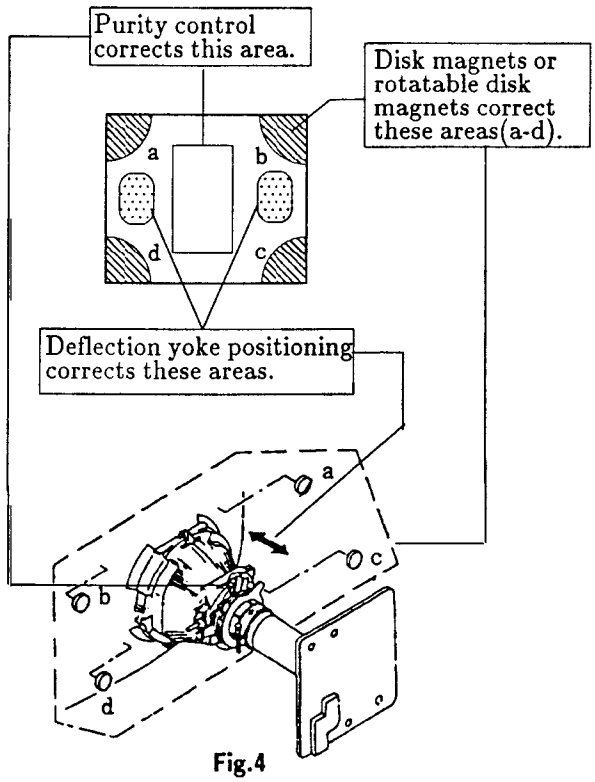


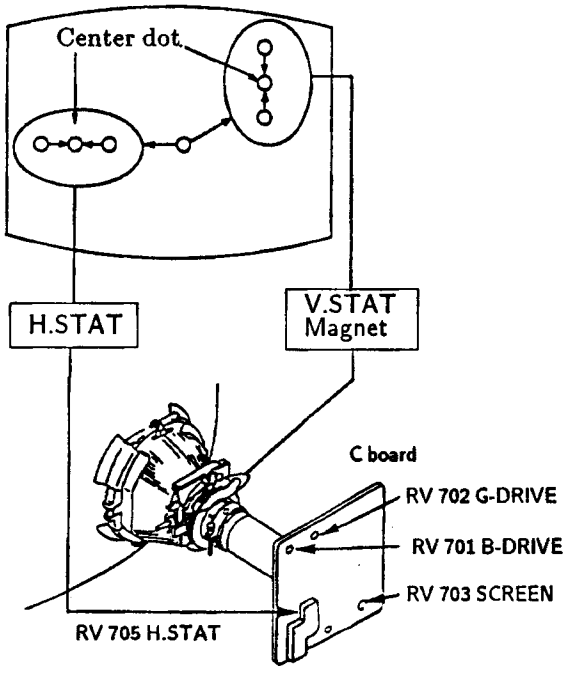
Fig.4

3-2. CONVERGENCE

Preparation:

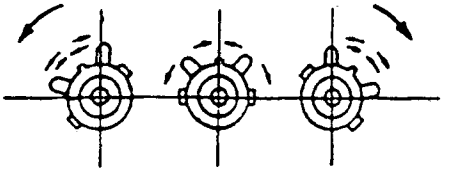
- Before starting, perform FOCUS, H.SIZE, and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

(1) Horizontal and Vertical Static Convergence

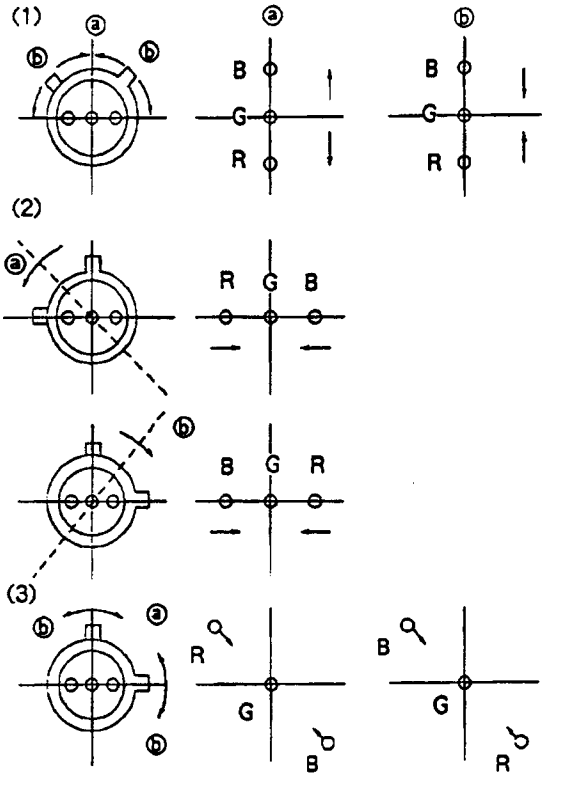


1. Adjust H.STAT VR to converge red, green and blue dots the in center of the screen.(Horizontal movement)
2. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)
3. If the red, green and blue dots do not converge on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)

- Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



4.When the V.STAT magnet is moved in the direction of arrow ⓐ and ⓑ, red, green and blue dots move as shown below.

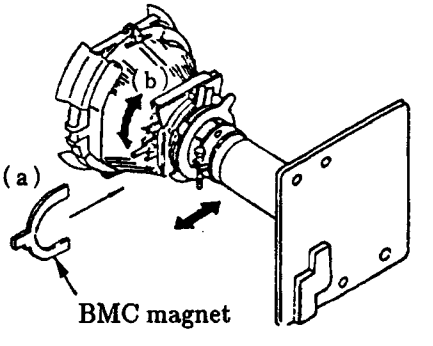


If the red and blue dot do not converge with green dots, perform following steps.

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.



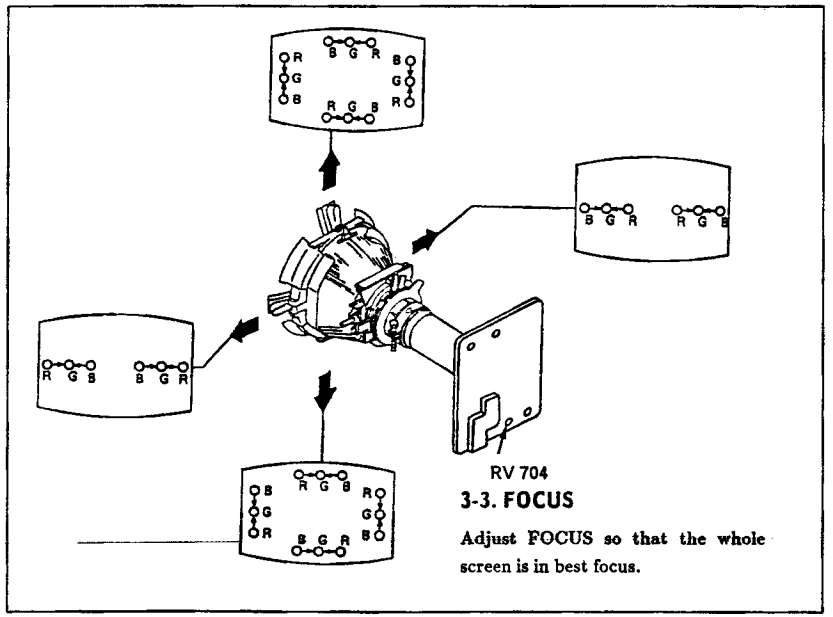
SECTION 4
CIRCUIT ADJUSTMENTS

(2)Dynamic Convergence Adjustment

Preparation:

- Before starting perform Horizontal and Vertical static convergence Adjustment.

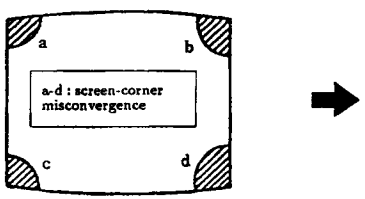
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

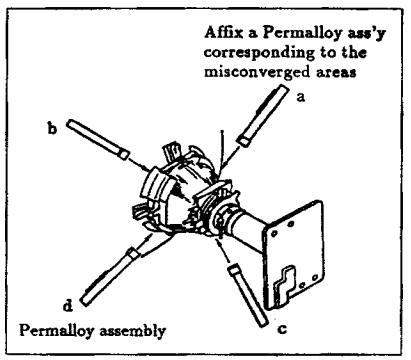


3-3. FOCUS

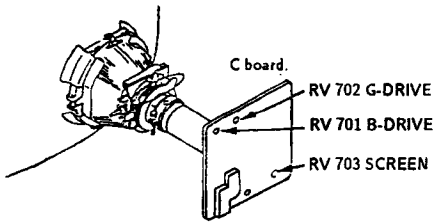
Adjust FOCUS so that the whole screen is in best focus.

(3) Screen-corner Convergence





3-4. SCREEN (G 2) and WHITE BALANCE



Screen (G 2) Setting

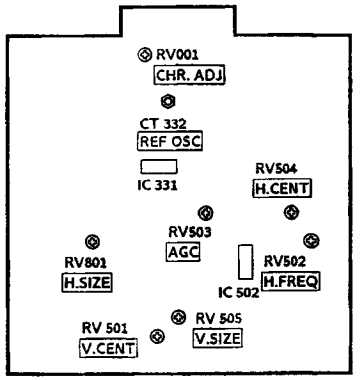
1. Input dot signal from the pattern generator.
2. Set the picture BRIGHTNESS control to minimum level.
3. Apply 140 V DC to the cathodes of R,G and B from an external power power source.
4. While watching the picture, adjust the G 2 volume (RV703) immediately before fly-back line disappears.

White Balance Adjustment

1. Input all-white signal from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the following using RV 701 (B DRIVE) and RV 702 (G DRIVE)

In the following adjustments, the CONTRAST, COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

4-1. A BORAD ADJUSTMENTS

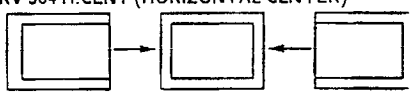


A BOARD
-Component side-

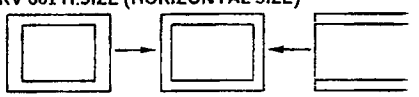
TU AGC Adjustment (RV 503)

1. Tune in air signal.
2. Adjust AGC VR (RV 503) so that snow-noise cross-modulation just disappear from the pictur

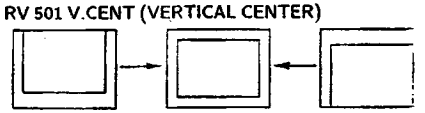
RV 504 H.CENT (HORIZONTAL CENTER)



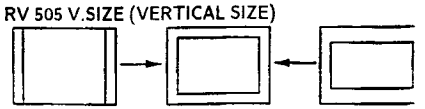
RV 801 H.SIZE (HORIZONTAL SIZE)



RV 501 V.CENT (VERTICAL CENTER)

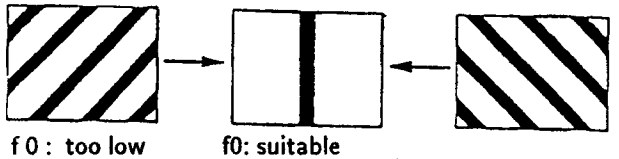


RV 505 V.SIZE (VERTICAL SIZE)



H.FREQ Adjustment (RV 502)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100 μ/16 V) between pin㉘ and GND of IC 502.
2. Adjust RV 502 (H.FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.



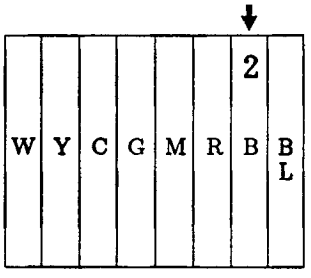
f 0 : too low　　f0: suitable
f0: 15.625±50Hz　　f 0 : too high

REF OSC 8.8 MHz Adjustment (CT 332)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑪ of IC 331 and ground.
3. Adjust CT 332 to obtain color synchronizetion.
4. Remove the jumper wire from IC 331.

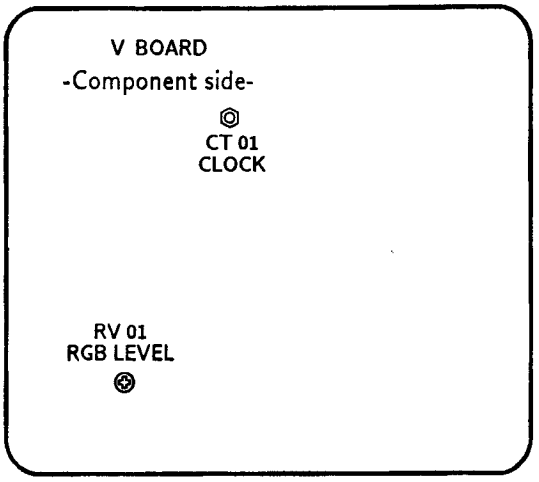
CHARACTER POSITION Adjustment (RV 001)

1. Input PAL COLOR BAR pattern.
2. Adjust RV 001 to position the character display at the point indicated by the arrow below.



4-2. V BOARD ADJUSTMENTS

(KV-M 1411 U Only)



Clock Adjustment (CT 01)

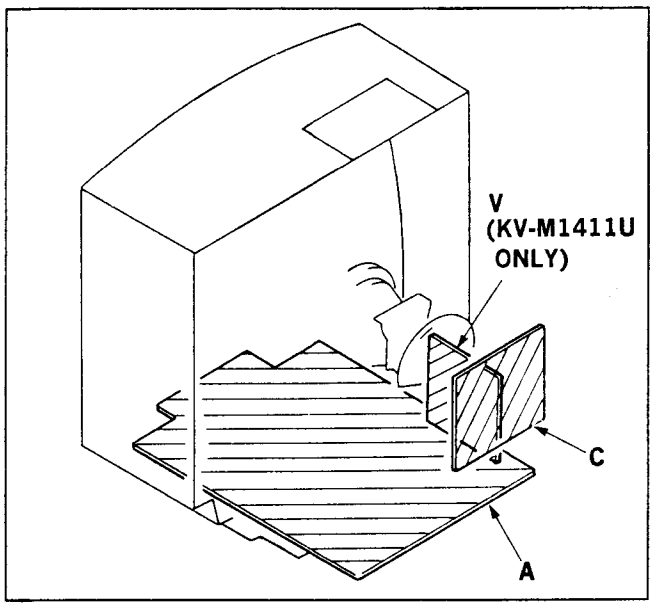
1. Raies pin③ of CNV 01.
2. Set up the TELETEXT mode.
3. Adjust CT 01 to stop the pictures from scrolling.

RGB Level Adjustment (RV 01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes maximum.

SECTION 5
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



Reference information

RESISTOR	:	RN	METAL FILM
	:	RC	SOLID
	:	FPRD	NONFLAMMABLE CARBON
	:	FUSE	NONFLAMMABLE FUSIBLE
	:	RS	NONFLAMMABLE METAL OXIDE
	:	RB	NONFLAMMABLE CEMENT
	:	RW	NONFLAMMABLE WIREWOUND
	:	*	ADJUSTMENT RESISTOR
COIL	:	LF-8L	MICRO INDUCTOR
CAPACITOR	:	TA	TANTALUM
	:	PS	STYROL
	:	PP	POLYPROPYLENE
	:	PT	MYLAR
	:	MPS	METALIZED POLYESTER
	:	MPP	METALIZED POLYPROPYLENE
	:	ALB	BIPOLAR
	:	ALT	HIGH TEMPERATURE
	:	ALR	HIGH RIPPLE

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

Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm Rating electrical power : 1/4W

- Chip resistor is in 1/10W.
- All resistors are in ohms. kΩ = 1000Ω, MΩ = 1000k Ω
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B.unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10MΩ digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B + line.
- : signal path.

KV-M1410U/1411U
RM-694

[SYSTEM CONTROL, A/V OUT, H/V OUT, MEMORY, CHROMA] **A**

A

NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

5-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

—A Board—

IC	
IC001	C-9
IC002	D-9
IC003	D-10
IC004	E-9
IC005	B-8
IC102	B-5
IC201	F-8
IC301	D-5
IC302	B-7
IC331	C-6
IC501	D-2
IC502	C-3
IC601	G-5
IC801	E-3
IC802	E-4

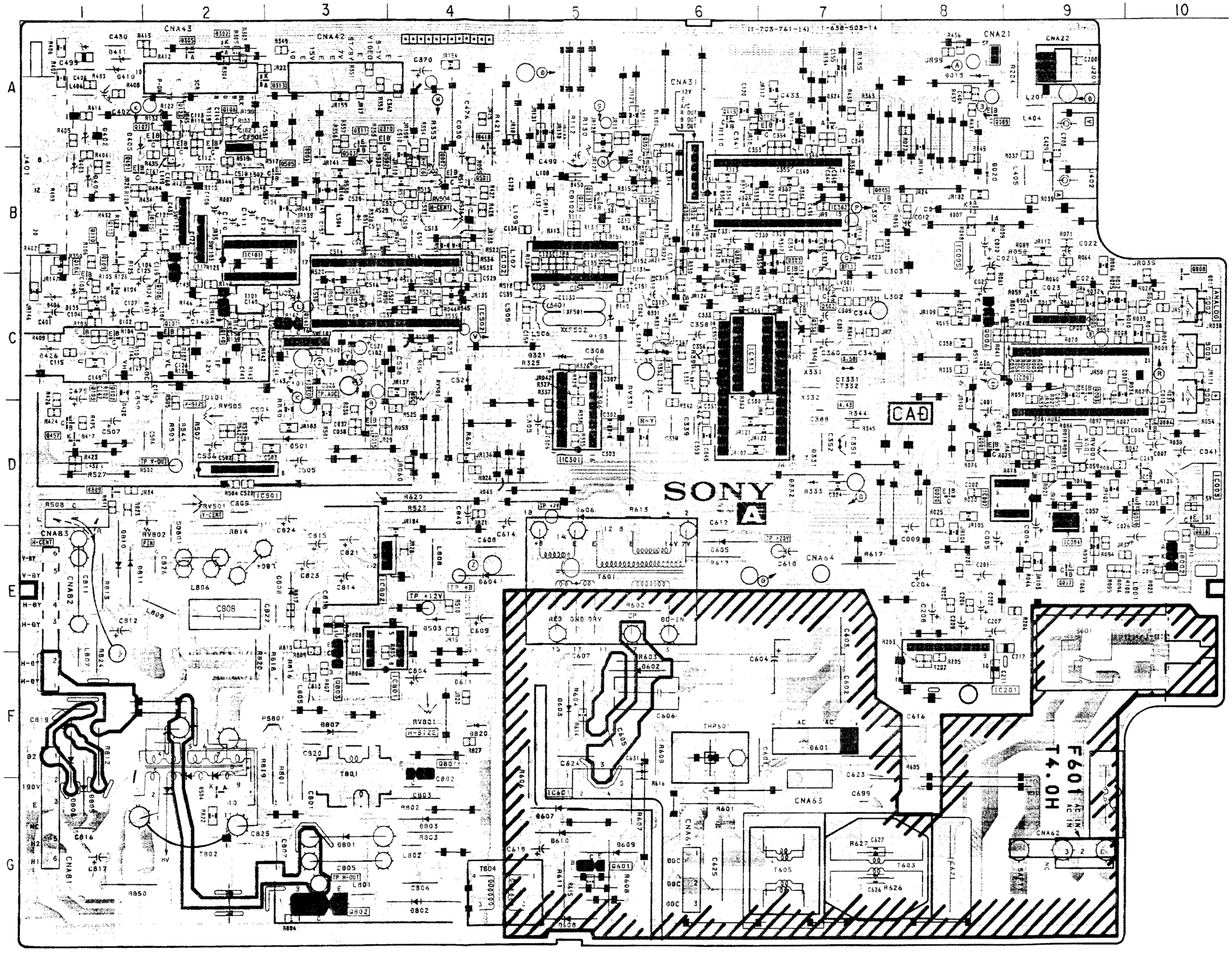
TRANSISTOR	
Q001	D-8
Q003	D-9
Q004	D-10
Q005	B-8
Q006	C-8
Q007	B-4
Q009	A-8
Q015	D-3
Q016	D-10
Q017	E-9
Q019	D-10
Q020	D-8
Q104	B-1
Q106	A-2
Q107	A-2
Q112	A-7
Q114	B-5
Q115	A-6
Q123	A-2
Q141	C-3
Q302	C-7
Q304	B-6
Q305	B-6
Q307	B-6
Q310	A-3
Q311	A-3
Q401	B-1
Q457	D-1
Q504	C-3
Q505	B-3
Q601	G-5
Q801	F-4
Q802	G-3
Q803	E-3

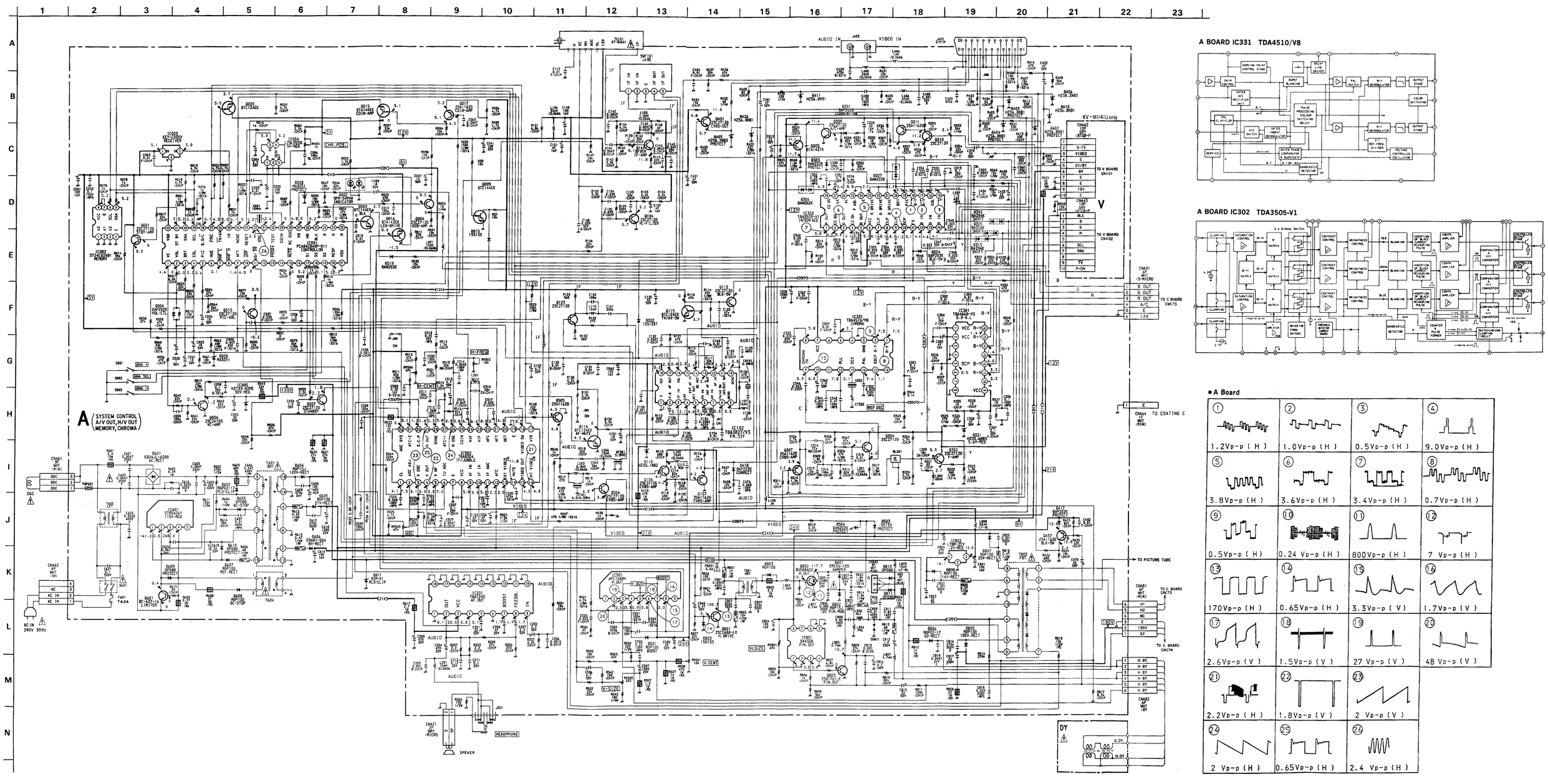
DIODE	
D002	E-10
D004	C-9
D007	B-8
D008	D-10
D009	B-8
D020	B-8
D110	C-5
D301	C-6
D302	A-2
D303	B-6
D305	A-2
D306	B-6
D313	A-3
D321	C-5
D324	A-7
D402	A-1
D403	B-1
D404	B-1
D405	A-1
D406	C-1
D410	A-1
D411	A-1
D417	D-1
D418	A-4
D426	C-1
D501	D-3
D503	E-4
D504	G-2
D519	C-8
D601	F-7
D602	F-6
D603	F-5
D604	E-4
D605	E-6
D606	D-5
D607	G-5
D608	G-5
D609	G-5
D610	G-5
D611	F-4
D801	G-3
D802	G-4
D803	G-4
D805	G-1
D806	F-1
D807	F-3
D808	E-3
D810	E-1
D811	E-1
D820	F-4

VARIABLE RESISTOR	
RV001	D-9
RV501	D-2
RV502	B-4
RV503	C-4
RV504	B-4
RV505	D-2
RV801	F-4

TRIMMER	
CT332	C-7

—A Board—





A BOARD IC331 TDA4510/V8

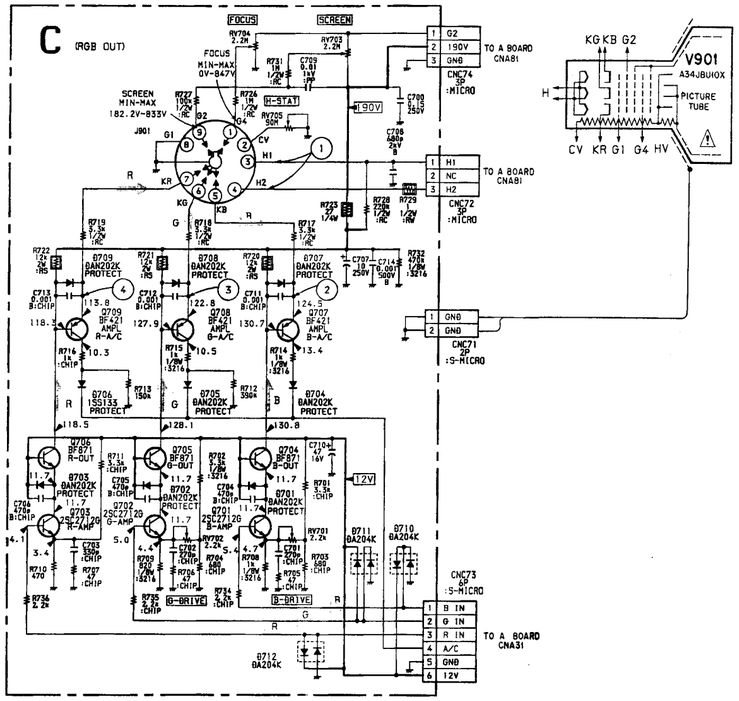
A BOARD IC302 TDA3505-V1

● A Board

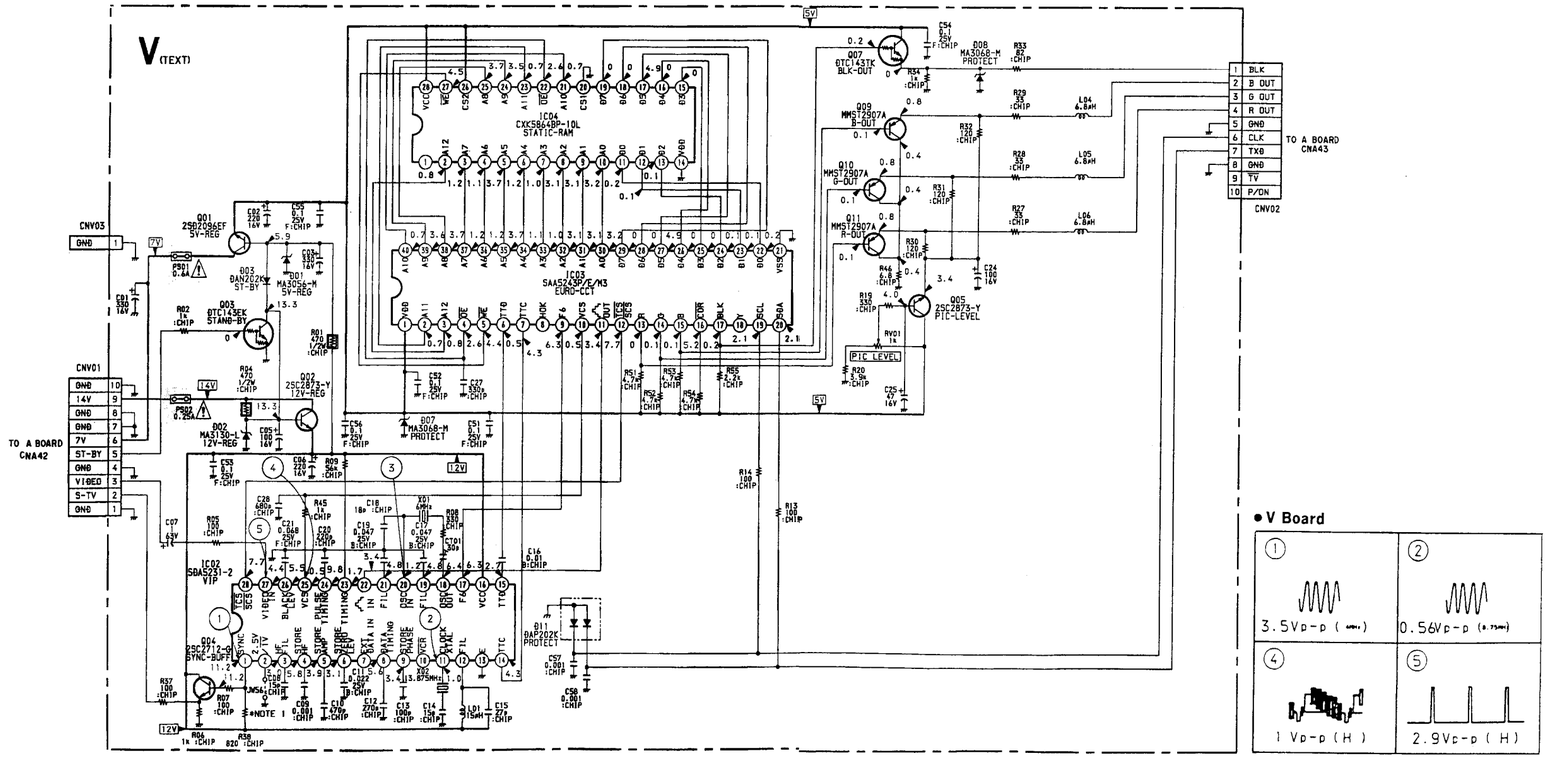
① 1.2Vp-p (H)	② 1.0Vp-p (H)	③ 0.5Vp-p (H)	④ 9.0Vp-p (H)
⑤ 3.8Vp-p (H)	⑥ 3.6Vp-p (H)	⑦ 3.4Vp-p (H)	⑧ 0.7Vp-p (H)
⑨ 0.5Vp-p (H)	⑩ 0.24 Vp-p (H)	⑪ 800Vp-p (H)	⑫ 7 Vp-p (H)
⑬ 170Vp-p (H)	⑭ 0.65Vp-p (H)	⑮ 3.3Vp-p (V)	⑯ 1.7Vp-p (V)
⑰ 2.6Vp-p (V)	⑱ 1.5Vp-p (V)	⑲ 27 Vp-p (V)	⑳ 48 Vp-p (V)
㉑ 2.2Vp-p (H)	㉒ 1.8Vp-p (V)	㉓ 2 Vp-p (V)	
㉔ 2 Vp-p (H)	㉕ 0.65Vp-p (H)	㉖ 2.4 Vp-p (H)	

[R. G. B OUT] **C** [TEXT] **V**

C (RGB OUT)



V (TEXT)



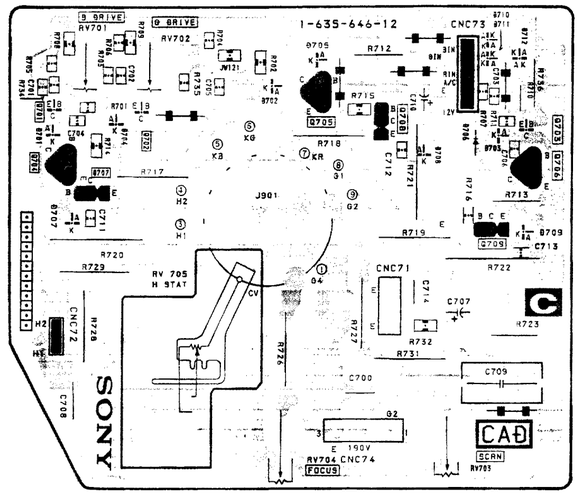
●C Board

①	②	③	④
21Vp-p (H)	65Vp-p (H)	73 Vp-p (H)	88Vp-p (H)

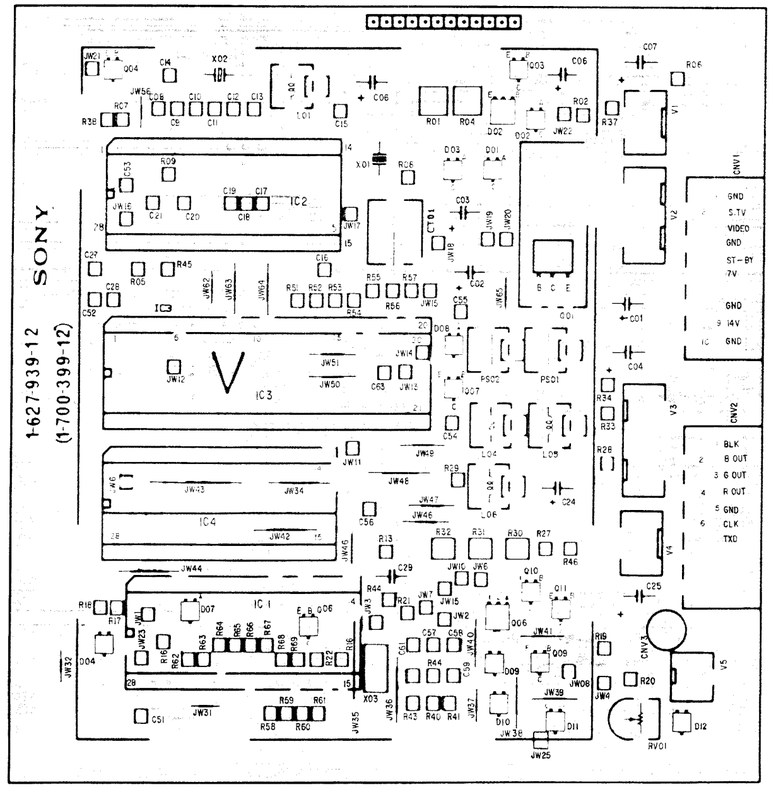
●V Board

①	②	④	⑤
3.5Vp-p ( )	0.56Vp-p ( )	1 Vp-p (H)	2.9Vp-p (H)

—C Board—

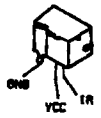


—V Board— (KV-M1411U ONLY)

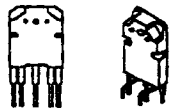


5-3. SEMICONDUCTORS

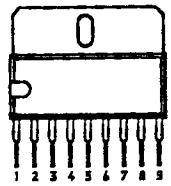
KEY-C00SV-F



STR54041



μPC1488H



DTA143EK
DTA143TK
DTA144EK
DTC124EK
DTC143EK
DTC143TK
DTC144EK
2SA1162G
2SB1295-UL6
2SC2712YG

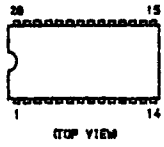
2SD2096-EF



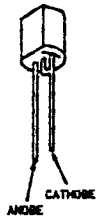
L78LR05D-MA

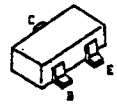


SDA5231-2
CXK5864BP-10L
TDA3505-V1
FCB61C65-70P
TC5565APL-15L

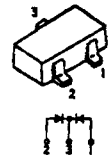


μPC574J





MA152WK



BC637-16
2SA1091-0



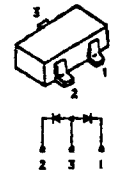
M5F78M12L



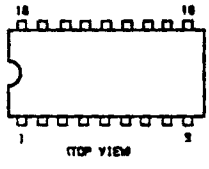
BF871



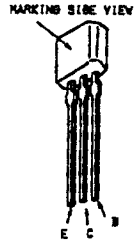
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TDA3827-V3
TDA7245



2SC2410SN



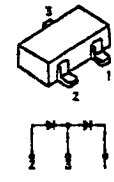
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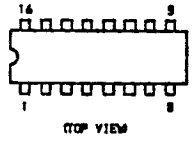
BF959-AMMO



1SS226



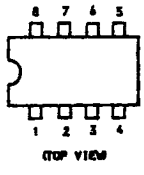
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TDA4660V2



2SC2688-LK



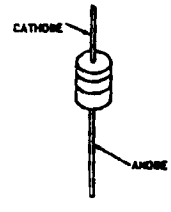
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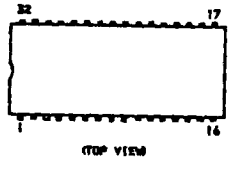
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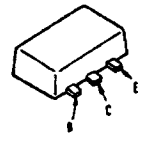
ERA83-006
RD5.6ES-B2
RD6.8ES-B1
UZ5.1BS-B
HZS8.2N-B3
1SS119
1SS120



TDA8304



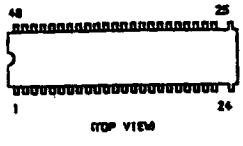
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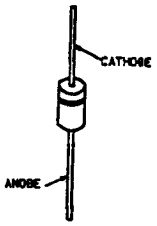
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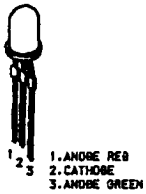
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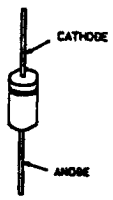
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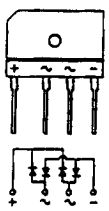
SPR-54MVW



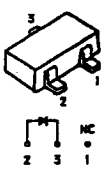
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RGP02-17
R2M
RU-3AM



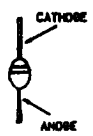
RBV-406H-01



RD13M1
RD5.1M-B2
RD5.6M-B2
RD6.8M-B2



U05G

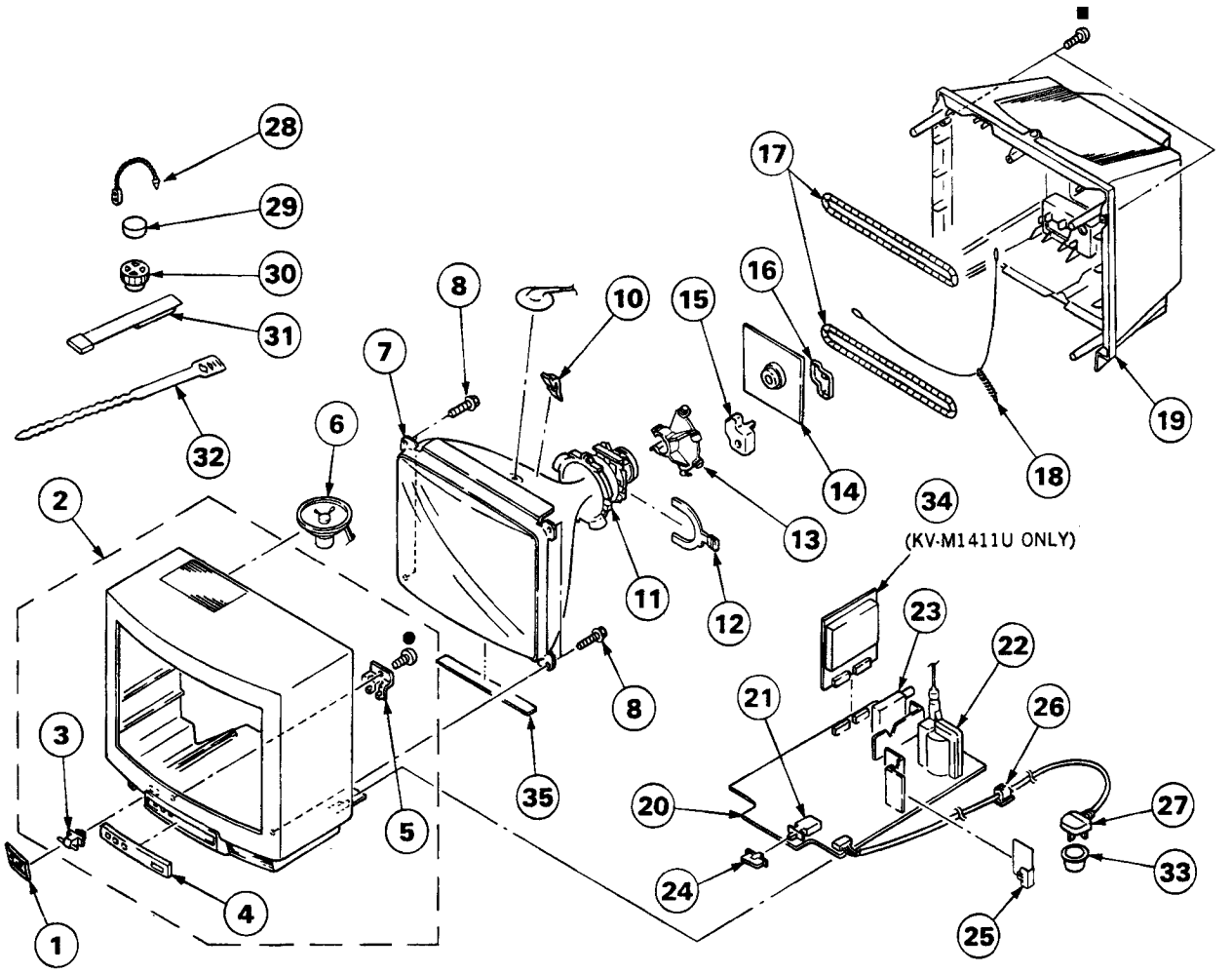


SECTION 6
EXPLODED VIEW

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.
- 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.

●: BVTP3×12 7-685-648-79
■: BVTP4×16 7-685-663-79



REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-200-403-11	LID, CONTROL (WHITE)	
	4-200-403-21	LID, CONTROL (BLACK)	
2	X-4200-049-2	CABINET ASSY(WITH BEZEL ASSY)(WHITE)	3~5
	X-4200-049-3	CABINET ASSY(WITH BEZEL ASSY)(BLACK)	3~5
3	3-703-035-11	SHAFT, LID	
4	4-200-406-01	WINDOW, ORNAMENTAL	
5	4-200-405-01	BUTTON, MULTI	
6	1-544-374-11	SPEAKER	
7	⚠ 8-735-555-75	PICTURE TUBE (A34JBU10X)	
8	4-307-249-00	SCREW (5), TAPPING	
10	3-704-495-01	SPACER, DY	
11	⚠ 1-451-249-31	DEFLECTION YOKE (Y14NDA2)	
12	1-452-277-00	MAGNET, BMC	
13	*4-385-422-01	HOLDER, LEAD	
14	*A-1638-008-A	C BOARD, COMPLETE	
15	*4-374-912-01	COVER (MAIN), CV VOL	
16	*4-374-913-01	COVER (REAR LID), CV VOL	
17	⚠ 1-426-145-21	COIL, DEGAUSSING	
18	4-369-318-00	SPRING, TENSION	
19	4-200-410-01	COVER, REAR (DARK GRAY)	
	4-200-410-11	COVER, REAR (LIGHT GRAY)	
20	*A-1632-012-A	A BOARD, COMPLETE	
21	⚠ 1-571-433-12	SWITCH, PUSH (AC POWER)	
22	⚠ 1-439-432-11	TRANSFORMER ASSY, FLYBACK (UX-1620)	
23	⚠ 1-465-542-11	TUNER, UHF (BT-3U601)	
24	4-200-404-01	BUTTON, POWER	
25	*4-200-400-01	PLATE, INSULATION	
26	⚠ 4-389-202-04	HOLDER, AC CORD	
27	⚠ 1-575-807-11	CORD, POWER (WITH CONNECTOR)	
28	4-308-870-00	CLIP, LEAD WIRE	
29	1-452-032-00	MAGNET, DISK; 10MM ϕ	
30	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
31	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
32	3-701-007-00	BAND, BINDING	
33	*4-200-344-01	COVER, PLUG	
34	*A-1645-012-A	V BOARD, COMPLETE (KV-M1411U ONLY)	
35	4-389-350-11	CUSHION, PICTURE TUBE	

SECTION 7
ELECTRICAL PARTS LIST

A

NOTE:

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

- 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.

When indicating parts by reference number, please include the board name.

CAPACITORS
• MF : μF, PF : μμF

COILS
• MMH : mH, UH : μH

RESISTORS
• All resistors are in ohms
• F : nonflammable

REF.NO.	PART NO.	DESCRIPTION			REMARK
	*A-1632-012-A	A BOARD, COMPLETE **********			
	4-200-399-01	SPACER, IC			
	4-201-057-01	COVER, FUSE			
	*4-341-751-01	EYELET			
	*4-341-752-01	EYELET			
		<CAPACITOR>			
C001	1-126-101-11	ELECT	100MF	20%	16V
C002	1-106-220-00	MYLAR	0.1MF	10%	100V
C003	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C004	1-123-382-00	ELECT	3.3MF	20%	50V
C005	1-126-101-11	ELECT	100MF	20%	16V
C006	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C007	1-124-907-11	ELECT	10MF	20%	50V
C009	1-124-907-11	ELECT	10MF	20%	50V
C010	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C012	1-126-233-11	ELECT	22MF	20%	50V
C018	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C020	1-124-903-11	ELECT	1MF	20%	50V
C021	1-124-907-11	ELECT	10MF	20%	50V
C023	1-124-907-11	ELECT	10MF	20%	50V
C024	1-124-907-11	ELECT	10MF	20%	50V
C025	1-126-233-11	ELECT	22MF	20%	50V
C026	1-124-903-11	ELECT	1MF	20%	50V
C030	1-124-903-11	ELECT	1MF	20%	50V
C037	1-163-034-00	CERAMIC CHIP	0.033MF		50V
C038	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C039	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C041	1-124-478-11	ELECT	100MF	20%	25V
C055	1-163-075-00	CERAMIC CHIP	0.047MF		50V
C058	1-163-077-00	CERAMIC CHIP	0.1MF	10%	25V
C059	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C062	1-126-101-11	ELECT	100MF	20%	16V
C063	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C101	1-124-477-11	ELECT	47MF	20%	16V
C102	1-124-910-11	ELECT	47MF	20%	50V
C103	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C104	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C105	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C107	1-124-477-11	ELECT	47MF	20%	16V
C112	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C114	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C115	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C120	1-163-173-00	CERAMIC CHIP	47PF	5%	50V
C123	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C125	1-124-917-11	ELECT	33MF	20%	50V
C128	1-163-025-11	CERAMIC CHIP	0.001MF		50V
C130	1-136-171-00	FILM	0.33MF	5%	50V
C131	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C132	1-163-029-11	CERAMIC CHIP	0.0047MF		50V
C133	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C134	1-106-365-00	MYLAR	0.0082MF	10%	400V
C135	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C136	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C138	1-216-295-00	METAL GLAZE	0	5% 1/10W	
C139	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C140	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C141	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C142	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C143	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C144	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C148	1-164-665-11	CERAMIC CHIP	0.039MF	10%	50V
C149	1-126-101-11	ELECT	100MF	20%	16V
C151	1-124-907-11	ELECT	10MF	20%	50V
C154	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C157	1-124-927-11	ELECT	4.7MF	20%	50V
C160	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C161	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C163	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C201	1-126-233-11	ELECT	22MF	20%	50V
C202	1-124-925-11	ELECT	2.2MF	20%	50V
C203	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C204	1-124-480-11	ELECT	470MF	20%	25V
C206	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V
C207	1-124-925-11	ELECT	2.2MF	20%	50V
C208	1-126-104-11	ELECT	470MF	20%	35V
C209	1-124-910-11	ELECT	47MF	20%	50V
C211	1-163-077-00	CERAMIC CHIP	0.1MF	10%	25V
C212	1-164-348-11	CERAMIC CHIP	0.12MF	10%	25V
C302	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C303	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C304	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C305	1-124-910-11	ELECT	47MF	20%	50V
C306	1-106-220-00	MYLAR	0.1MF	10%	100V
C307	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C308	1-124-910-11	ELECT	47MF	20%	50V
C309	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C314	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C316	1-163-377-11	CERAMIC CHIP	100PF	5%	50V
C317	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C318	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C319	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C321	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C323	1-163-055-00	CERAMIC CHIP	0.0047MF	10%	50V
C329	1-131-367-00	TANTALUM	22MF	10%	16V
C330	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C331	1-124-927-11	ELECT	4.7MF	20%	50V
C332	1-130-783-00	MYLAR	0.33MF	10%	100V
C333	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C334	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V

A

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

REF.NO.	PART NO.	DESCRIPTION			REMARK
C335	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C337	1-130-834-00	MYLAR	1MF	10%	63V
C340	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C341	1-130-783-00	MYLAR	0.33MF	10%	100V
C343	1-130-785-11	MYLAR	0.47MF	10%	100V
C344	1-106-383-00	MYLAR	0.047MF	10%	100V
C346	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C347	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C348	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C349	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C352	1-106-375-12	MYLAR	0.022MF	10%	250V
C353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C354	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C355	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C357	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C358	1-124-556-11	ELECT	2200MF	20%	16V
C360	1-124-903-11	ELECT	1MF	20%	50V
C362	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C367	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C370	1-126-233-11	ELECT	22MF	20%	50V
C401	1-124-910-11	ELECT	47MF	20%	50V
C402	1-124-910-11	ELECT	47MF	20%	50V
C403	1-102-824-00	CERAMIC	470PF	5%	50V
C404	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C429	1-163-197-00	CERAMIC CHIP	470PF	10%	50V
C430	1-130-783-00	MYLAR	0.33MF	10%	100V
C431	1-124-910-11	ELECT	47MF	20%	50V
C432	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C433	1-126-233-11	ELECT	22MF	20%	25V
C434	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C475	1-126-233-11	ELECT	22MF	20%	50V
C476	1-106-216-00	MYLAR	0.068MF	10%	100V
C499	1-163-205-00	CERAMIC CHIP	0.001MF	10%	50V
C501	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C502	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C503	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C504	1-124-122-11	ELECT	100MF	20%	50V
C505	1-126-233-11	ELECT	22MF	20%	50V
C506	1-106-228-00	MYLAR	0.22MF	10%	100V
C507	1-124-557-11	ELECT	1000MF	20%	25V
C508	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C509	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V
C510	1-163-081-00	CERAMIC CHIP	0.22MF		25V
C511	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C512	1-106-216-00	MYLAR	0.068MF	10%	100V
C513	1-124-927-11	ELECT	4.7MF	20%	50V
C514	1-136-298-00	FILM	0.0033MF	5%	100V
C515	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C516	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C517	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C520	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C521	1-131-377-00	TANTALUM	10MF	10%	10V
C524	1-106-228-00	MYLAR	0.22MF	10%	100V
C525	1-106-216-00	MYLAR	0.068MF	10%	100V
C526	1-124-910-11	ELECT	47MF	20%	50V
C527	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C529	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C530	1-163-197-00	CERAMIC CHIP	470PF	5%	50V
C532	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C536	1-124-927-11	ELECT	4.7MF	20%	50V
C537	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C540	1-163-111-00	CERAMIC CHIP	56PF	5%	50V
C601 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C602 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C603	1-162-599-12	CERAMIC	0.0047MF		250V
C604	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V
C606	1-136-637-11	FILM	0.047MF	10%	630V
C607	1-106-367-00	MYLAR	0.01MF	10%	400V
C608	1-161-753-00	CERAMIC	470PF	10%	3KV
C609	1-124-347-00	ELECT	100MF	20%	160V
C610	1-124-557-11	ELECT	1000MF	20%	25V
C612	1-102-228-00	CERAMIC	470PF	10%	500V
C614	1-126-101-11	ELECT	100MF	20%	16V
C616 ⚠	1-164-246-11	CERAMIC	0.0022MF	20%	400V
C618	1-126-233-11	ELECT	22MF	20%	50V
C621 ⚠	1-136-516-11	FILM	0.1MF	20%	300V
C623 ⚠	1-164-246-11	CERAMIC	0.0022MF	20%	400V
C624	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C801	1-136-559-11	MYLAR	0.0047MF	10%	400V
C802	1-102-212-00	CERAMIC	820PF	10%	500V
C803	1-102-244-00	CERAMIC	220PF	10%	500V
C804	1-126-101-11	ELECT	100MF	20%	16V
C805 ⚠	1-136-076-11	FILM	0.0085MF	3%	2KV
C806 ⚠	1-108-703-11	MYLAR	0.082MF	10%	200V
C807 ⚠	1-162-116-51	CERAMIC	680PF	10%	2KV
C808	1-136-932-11	FILM	0.82MF	5%	100V
C809	1-106-367-00	MYLAR	0.01MF	10%	400V
C811	1-136-540-11	FILM	0.82MF	5%	160V
C812	1-124-634-11	ELECT	1MF	20%	250V
C813	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C814	1-123-932-00	ELECT	4.7MF	20%	160V
C815	1-126-233-11	ELECT	22MF	20%	50V
C816	1-102-228-00	CERAMIC	470PF	10%	500V
C817	1-123-948-00	ELECT	22MF	20%	250V
C818	1-106-375-12	MYLAR	0.022MF	10%	250V
C819	1-162-114-00	CERAMIC	0.0047MF		2KV
C820	1-162-318-11	CERAMIC	0.001MF	10%	500V
C821	1-126-101-11	ELECT	100MF	20%	16V
C822	1-162-318-11	CERAMIC	0.001MF	10%	500V
C823	1-126-233-11	ELECT	22MF	20%	50V
C824	1-124-913-11	ELECT	470MF	20%	50V
C825	1-106-367-00	MYLAR	0.01MF	10%	400V
C826	1-137-146-11	FILM	0.15MF	10%	250V
C840	1-124-902-00	ELECT	0.47MF	20%	50V

<FILTER>

CD101	1-579-109-11	DISCRIMINATOR, CERAMIC
CF501	1-409-429-11	TRAP, CERAMIC
SWF101	1-404-718-11	FILTER, SURFACE WAVE
XF501	1-567-569-11	FILTER, CERAMIC

<CONNECTOR>

CNA21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
CNA31	*1-568-881-51	PIN, CONNECTOR 6P
CNA42	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR
CNA43	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR
CNA61	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
CNA62	*1-566-664-11	PIN, CONNECTOR 4P
CNA64	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P
CNA81	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P
CNA82	*1-580-798-11	CONNECTOR PIN (DY) 6P
CNA83	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P

<TRIMMER>

CT332	1-141-418-11	CAP, ADJ

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

A

REF.NO.	PART NO.	DESCRIPTION	REMARK
		<DIODE>	
D002	8-719-920-55	DIODE SPR-54MVW	
	4-200-407-01	HOLDER, LED; D002	
D004	8-719-914-44	DIODE DAP202K	
D007	8-719-400-18	DIODE MA152WK	
D008	8-719-105-82	DIODE RD5.1M-B2	
D009	8-719-105-82	DIODE RD5.1M-B2	
D011	8-719-912-20	DIODE 1SS120	
D015	8-719-911-19	DIODE 1SS119	
D020	8-719-911-19	DIODE 1SS119	
D110	8-719-010-38	DIODE UZ-5.1BSB	
D301	8-719-914-44	DIODE DAP202K	
D302	8-719-800-76	DIODE 1SS226	
D303	8-719-400-18	DIODE MA152WK	
D305	8-719-800-76	DIODE 1SS226	
D306	8-719-400-18	DIODE MA152WK	
D313	8-719-800-76	DIODE 1SS226	
D321	8-719-109-89	DIODE RD5.6ES-B2	
D324	8-719-914-44	DIODE DAP202K	
D402	8-719-109-96	DIODE RD6.8ES-B1	
D403	8-719-109-96	DIODE RD6.8ES-B1	
D404	8-719-109-96	DIODE RD6.8ES-B1	
D405	8-719-929-12	DIODE HZS8.2NB3	
D406	8-719-929-12	DIODE HZS8.2NB3	
D410	8-719-109-96	DIODE RD6.8ES-B1	
D411	8-719-109-96	DIODE RD6.8ES-B1	
D417	8-719-914-44	DIODE DAP202K	
D418	8-719-914-44	DIODE DAP202K	
D426	8-719-109-96	DIODE RD6.8ES-B1	
D501	8-719-300-33	DIODE RU-3AM	
D503	8-719-911-19	DIODE 1SS119	
D504	8-719-400-18	DIODE MA152WK	
D519	8-719-400-18	DIODE MA152WK	
D601 ⚠	8-719-946-90	DIODE KBU4JL-6088	
D602	8-719-976-64	DIODE RGP02-17	
D603	8-719-911-55	DIODE U05G	
D604	8-719-979-85	DIODE EGP20G	
D605	8-719-300-33	DIODE RU-3AM	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-300-33	DIODE RU-3AM	
D608	8-719-300-33	DIODE RU-3AM	
D609	8-719-911-55	DIODE U05G	
D610	8-719-911-55	DIODE U05G	
D611	8-719-303-49	DIODE R2M	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-979-85	DIODE EGP20G	
D803	8-719-300-33	DIODE RU-3AM	
D805	8-719-300-33	DIODE RU-3AM	
D806	8-719-976-64	DIODE RGP02-17	
D807	8-719-300-33	DIODE RU-3AM	
D808	8-719-300-33	DIODE RU-3AM	
D810	8-719-911-55	DIODE U05G	
D811	8-719-911-55	DIODE U05G	
D820	8-719-911-19	DIODE 1SS119	
		<DELAY LINE>	
DL301	1-236-062-11	MODULE, Y DELAY LINE	
		<FUSE>	
F601 ⚠	1-576-231-21	FUSE (H.B.C.) 4A/250V	
	1-533-230-11	HOLDER, FUSE; F601	
		<IC>	
IC001	8-759-062-07	IC PCA84C840P/016	
IC002	8-759-043-86	IC ST24C02AB1	
IC003	8-749-922-13	IC KEY-C00SV-F	
IC004	8-759-805-37	IC L78LR05D-MA	
IC005	8-759-157-40	IC UPC574J	
IC102	8-759-044-41	IC TDA3827/V3	
IC201	8-759-502-74	IC TDA7245	
IC301	8-759-505-39	IC TDA4660V2	
IC302	8-759-512-04	IC TDA3505-V1	
IC331	8-759-513-46	IC TDA4510/V8	
IC501	8-759-113-05	IC UPC1488H	
	*4-389-343-01	SPRING; IC501	
IC502	8-759-515-72	IC TDA8304	
IC601	8-749-901-65	IC STR54041	
	*4-368-683-01	SPRING; IC601	
IC801	8-759-945-58	IC RC4558P	
IC802	8-759-604-39	IC M5F78M12L	
	*4-389-343-01	SPRING; IC802	
		<JACK>	
J201	1-562-837-11	JACK	
J401	1-561-534-00	SOCKET 21P	
J402	1-563-500-11	JACK BLOCK, PIN (L TYPE) 2P	
		<COIL>	
L001	1-408-409-00	INDUCTOR 10UH	
L102	1-408-409-00	INDUCTOR 10UH	
L103	1-408-399-00	INDUCTOR 1.5UH	
L106	1-408-415-00	INDUCTOR 33UH	
L107	1-408-409-00	INDUCTOR 10UH	
L110	1-408-409-00	INDUCTOR 10UH	
L201	1-408-409-00	INDUCTOR 10UH	
L301	1-408-409-00	INDUCTOR 10UH	
L302	1-408-419-00	INDUCTOR 68UH	
L303	1-408-425-00	INDUCTOR 220UH	
L404	1-408-397-00	INDUCTOR 1UH	
L405	1-408-409-00	INDUCTOR 10UH	
L406	1-408-417-00	INDUCTOR 47UH	
L501	1-404-493-31	COIL	
L502	1-408-407-00	INDUCTOR 6.8UH	
L506	1-408-411-00	INDUCTOR 15UH	
L801	1-407-365-00	COIL, CHOKE	
L802	1-420-872-00	COIL, AIR CORE	
L804	1-459-856-11	COIL, FERRITE	
L805	1-408-236-00	INDUCTOR 2.7MMH	
L806	1-459-756-12	COIL, HORIZONTAL LINEARITY	
L807	1-410-067-21	INDUCTOR 4.7MMH	
L808	1-408-226-00	INDUCTOR 82UH	
L809	1-407-504-00	INDUCTOR 10MMH	
		<IC LINK>	
PS801 ⚠	1-532-679-91	LINK, IC (ICP-N15) 0.6A	
		<TRANSISTOR>	
Q001	8-729-230-49	TRANSISTOR 2SC2712-YG	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
Q003	8-729-901-01	TRANSISTOR DTC144EK	
Q004	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q005	8-729-923-54	TRANSISTOR DTA143TK	
Q006	8-729-922-66	TRANSISTOR 2SC2410SN	
Q007	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q009	8-729-901-01	TRANSISTOR DTC144EK	
Q015	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q016	8-729-901-47	TRANSISTOR DTA143EK	
Q017	8-729-216-22	TRANSISTOR 2SA1162-G	
Q019	8-729-901-06	TRANSISTOR DTA144EK	
Q020	8-729-901-00	TRANSISTOR DTC124EK	
Q104	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q106	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q107	8-729-216-22	TRANSISTOR 2SA1162-G	
Q112	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q114	8-729-901-00	TRANSISTOR DTC124EK	
Q115	8-729-901-00	TRANSISTOR DTC124EK	
Q123	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q141	8-729-014-99	TRANSISTOR BF959-AMMO	
Q302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q305	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q307	8-729-216-22	TRANSISTOR 2SA1162-G	
Q310	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q311	8-729-216-22	TRANSISTOR 2SA1162-G	
Q401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q457	8-729-216-22	TRANSISTOR 2SA1162-G	
Q504	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q505	8-729-216-22	TRANSISTOR 2SA1162-G	
Q601	8-729-906-74	TRANSISTOR BC637-16	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-925-64	TRANSISTOR BU508AS2	
Q803	8-729-202-03	TRANSISTOR 2SD1408-Y	

<RESISTOR>

JR001	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR002	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR003	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR004	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR005	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR006	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR007	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR008	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR009	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR010	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR011	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR012	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR015	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR016	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR017	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR018	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR019	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR020	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR021	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR022	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR024	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR026	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR027	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR028	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR029	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR030	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR034	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR035	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR036	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR037	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR038	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR039	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR040	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR041	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR044	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR050	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR060	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR099	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JR101	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR102	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR103	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR104	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR105	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR106	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR107	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR108	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR109	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR110	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR111	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR112	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR116	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR117	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR118	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR119	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR121	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR122	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR123	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR124	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR125	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR126	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR127	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR128	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR129	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR130	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR131	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR133	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR134	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR135	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR136	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR137	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR139	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR141	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR144	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR146	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR147	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR148	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR149	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR150	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR154	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR155	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR182	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR183	1-216-296-00	METAL GLAZE	0	5%	1/8W	
JR184	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R001	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R002	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R003	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R004	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R006	1-216-246-00	METAL GLAZE	100K	5%	1/8W	
R007	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R008	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R009	1-216-049-00	METAL GLAZE	1K	5%	1/10W	

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REF.NO.	PART NO.	DESCRIPTION				REMARK
R010	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R011	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R012	1-216-240-00	METAL GLAZE	56K	5%	1/8W	
R013	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R014	1-216-748-11	METAL GLAZE	39K	5%	1/10W	
R015	1-216-230-00	METAL GLAZE	22K	5%	1/8W	
R016	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R017	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R018	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R019	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R020	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R021	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R022	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R023	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R024	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R025	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R026	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R028	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R029	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R030	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R031	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R034	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R035	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R037	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R038	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R039	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R040	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R041	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R042	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R043	1-215-900-11	METAL OXIDE	22K	5%	2W	
R044	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R045	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R046	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R047	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R048	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R049	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R050	1-216-250-00	METAL GLAZE	150K	5%	1/8W	
R051	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R052	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R053	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R054	1-249-395-11	CARBON	15	5%	1/4W	
R055	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R056	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R058	1-249-434-11	CARBON	27K	5%	1/4W	
R059	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R060	1-216-234-00	METAL GLAZE	33K	5%	1/8W	
R061	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R062	1-216-242-00	METAL GLAZE	68K	5%	1/8W	
R064	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R075	1-216-240-00	METAL GLAZE	56K	5%	1/8W	
R076	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R077	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R078	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R079	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R081	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R082	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R083	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R084	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R087	1-216-027-00	METAL GLAZE	120	5%	1/10W	
R094	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R095	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R096	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R097	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R099	1-216-228-00	METAL GLAZE	18K	5%	1/8W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R100	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R101	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R102	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R103	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R104	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R105	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R106	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R109	1-216-190-00	METAL GLAZE	470	5%	1/8W	
R110	1-249-437-11	CARBON	47K	5%	1/4W	
R111	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R112	1-249-411-11	CARBON	330	5%	1/4W	
R113	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R114	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R115	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R116	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R118	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R119	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R120	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R122	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R130	1-249-409-11	CARBON	220	5%	1/4W	
R131	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R132	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R136	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R138	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R139	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R140	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R141	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R142	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R143	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R144	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R147	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R148	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R149	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R151	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R152	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R153	1-215-867-00	METAL OXIDE	470	5%	1W	
R199	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R201	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R202	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R203	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R204	1-247-741-11	CARBON	150	5%	1/2W	
R205	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R206	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R207	1-216-298-00	METAL GLAZE	2.2	5%	1/10W	
R303	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R304	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R305	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R306	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R307	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R309	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R310	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R311	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R312	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R313	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R314	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R315	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R317	1-216-202-00	METAL GLAZE	1.5K	5%	1/8W	
R320	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R321	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R322	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R323	1-216-192-00	METAL GLAZE	560	5%	1/8W	
R324	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R325	1-249-410-11	CARBON	270	5%	1/4W	

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

REF.NO.	PART NO.	DESCRIPTION				REMARK
R326	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R327	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R328	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R329	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R330	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R331	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R332	1-216-270-00	METAL GLAZE	1M	5%	1/8W	
R333	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R334	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R335	1-216-001-00	METAL GLAZE	10	5%	1/10W	
R336	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R337	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R338	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R344	1-247-848-11	CARBON	5.1K	5%	1/4W	
R345	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R347	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R348	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R349	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R350	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R351	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R352	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R353	1-249-438-11	CARBON	56K	5%	1/4W	
R354	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R355	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R356	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R357	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R358	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R359	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R363	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R364	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R402	1-216-172-00	METAL GLAZE	82	5%	1/8W	
R403	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R404	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R405	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R406	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R407	1-216-226-00	METAL GLAZE	15K	5%	1/8W	
R408	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R409	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R411	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R412	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R413	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R414	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R420	1-216-182-00	METAL GLAZE	220	5%	1/8W	
R421	1-216-449-11	METAL OXIDE	56	5%	2W	
R423	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R424	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R425	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R426	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R427	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R428	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R430	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R431	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R432	1-249-403-11	CARBON	68	5%	1/4W	
R433	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R434	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R435	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R436	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R437	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R501	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W	
R502	1-247-743-11	CARBON	220	5%	1/2W	
R503	1-249-437-11	CARBON	47K	5%	1/4W	
R504	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R505	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R507	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R508	1-215-867-00	METAL OXIDE	470	5%	1W	
R510	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R511	1-216-244-00	METAL GLAZE	82K	5%	1/8W	
R512	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R513	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R514	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R515	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	
R516	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R517	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R518	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R519	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R520	1-216-258-00	METAL GLAZE	330K	5%	1/8W	
R521	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R522	1-215-863-11	METAL OXIDE	100	5%	1W	
R523	1-247-754-11	CARBON	1.5K	5%	1/2W	
R524	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R525	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R527	1-215-869-11	METAL OXIDE	1K	5%	1W	
R532	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R533	1-216-133-00	METAL GLAZE	3.3M	5%	1/10W	
R534	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R535	1-216-107-00	METAL GLAZE	270K	5%	1/10W	
R539	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R542	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R543	1-249-408-11	CARBON	180	5%	1/4W	
R545	1-216-278-00	METAL GLAZE	2.2M	5%	1/8W	
R548	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R601 ⚠	1-205-909-11	WIREWOUND	3.3	5%	10W	F
R602	1-214-923-00	CARBON	270K	5%	1/2W	
R603	1-215-903-11	METAL OXIDE	68K	5%	2W	
R604	1-247-752-11	CARBON	1K	5%	1/2W	
R605 ⚠	1-218-265-91	METAL GLAZE	8.2M	5%	1W	
R606	1-212-877-11	FUSIBLE	68	5%	1/4W	
R608	1-215-884-11	METAL OXIDE	47	5%	2W	
R609	1-207-905-00	WIREWOUND	0.27	10%	2W	
R611	1-214-915-00	CARBON	120K	5%	1/2W	
R612	1-219-137-11	FUSIBLE	0.33	5%	1/4W	
R613	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R614	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R615	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R617	1-216-354-11	METAL OXIDE	2.7	5%	1W	F
R620	1-216-465-11	METAL OXIDE	27K	5%	2W	
R621	1-216-465-11	METAL OXIDE	27K	5%	2W	
R801	1-217-778-11	FUSIBLE	1K	5%	1W	F
R802	1-217-826-11	FUSIBLE	10K	5%	1/4W	
R803	1-216-355-11	METAL OXIDE	3.3	5%	1W	F
R804	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R805	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R806	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R807	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R808	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R809	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R810	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R811	1-216-099-00	METAL GLAZE	120K	5%	1/10W	
R812	1-217-778-11	FUSIBLE	1K	5%	1W	F
R813	1-212-877-11	FUSIBLE	68	5%	1/4W	
R814	1-217-820-11	FUSIBLE	3.3K	5%	1/4W	
R816	1-247-889-00	CARBON	270K	5%	1/4W	
R817	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R818	1-202-830-00	SOLID	10K	10%	1/2W	
R819	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R820	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R821	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	

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

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REF.NO.	PART NO.	DESCRIPTION				REMARK
R822	1-216-204-00	METAL GLAZE	1.8K	5%	1/8W	
R824	1-215-863-11	METAL OXIDE	100	5%	1W	F
R826	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R827	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R850	1-215-882-00	METAL OXIDE	22	5%	2W	F
R851	1-247-895-00	CARBON	470K	5%	1/4W	
		<VARIABLE RESISTOR>				
RV001	1-238-012-11	RES, ADJ, CARBON 1K				
RV501	1-238-016-11	RES, ADJ, CARBON 10K				
RV502	1-226-703-11	RES, ADJ, METAL GLAZE 10K				
RV503	1-238-019-11	RES, ADJ, CARBON 47K				
RV504	1-238-019-11	RES, ADJ, CARBON 47K				
RV505	1-238-009-11	RES, ADJ, CARBON 220				
RV801	1-238-019-11	RES, ADJ, CARBON 47K				
		<SWITCH>				
S001	1-571-532-21	SWITCH, TACTIL				
S002	1-571-532-21	SWITCH, TACTIL				
S003	1-571-532-21	SWITCH, TACTIL				
S601 ⚠	1-571-433-12	SWITCH, PUSH (AC POWER)				
		<SPARK GAP>				
SG801	1-519-422-11	GAP, SPARK				
		<TRANSFORMER>				
T601 ⚠	1-450-217-22	S.R.T				
T604 ⚠	1-424-078-11	TRANSFORMER, TRIGGER PULSE				
T605 ⚠	1-421-862-11	LFT				
T801	1-437-090-00	HDT				
T802 ⚠	1-439-432-11	TRANSFORMER ASSY, FLYBACK (UX-1620)				
		<THERMISTOR>				
THP601 ⚠	1-806-165-12	THERMISTOR (POSITIVE)				
		<TUNER>				
TU101 ⚠	1-465-542-11	TUNER, UHF (BT-3U601)				
		<CRYSTAL>				
X001	1-577-619-11	VIBRATOR, CRYSTAL				
X332	1-567-131-00	OSCILLATOR, CRYSTAL				
**********						
	*A-1638-008-A	C BOARD, COMPLETE				
		**********				
	*4-374-912-01	COVER (MAIN), CV VOL				
	*4-374-913-01	COVER (REAR LID), CV VOL				
		<CAPACITOR>				
C700	1-137-146-11	FILM	0.15MF	10%	250V	
C701	1-163-127-00	CERAMIC CHIP	270PF	5%	50V	
C702	1-163-127-00	CERAMIC CHIP	270PF	5%	50V	
C703	1-163-129-00	CERAMIC CHIP	330PF	5%	50V	
C704	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C705	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C706	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	
C707	1-123-947-00	ELECT	10MF	20%	250V	
C708	1-162-116-00	CERAMIC	680PF	10%	2KV	
C709	1-136-666-11	FILM	0.01MF	5%	1KV	
C710	1-124-477-11	ELECT	47MF	20%	16V	
C711	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C712	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C713	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	
C714	1-162-318-11	CERAMIC	0.001MF	10%	500V	
		<CONNECTOR>				
CNC71	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P				
CNC72	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
CNC73	*1-568-881-51	PIN, CONNECTOR 6P				
CNC74	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P				
		<DIODE>				
D701	8-719-400-18	DIODE MA152WK				
D702	8-719-400-18	DIODE MA152WK				
D703	8-719-400-18	DIODE MA152WK				
D704	8-719-400-18	DIODE MA152WK				
D705	8-719-400-18	DIODE MA152WK				
D706	8-719-911-19	DIODE 1SS119				
D707	8-719-400-18	DIODE MA152WK				
D708	8-719-400-18	DIODE MA152WK				
D709	8-719-400-18	DIODE MA152WK				
D710	8-719-800-76	DIODE 1SS226				
D711	8-719-800-76	DIODE 1SS226				
D712	8-719-800-76	DIODE 1SS226				
		<JACK>				
J901	1-526-819-11	SOCKET, PICTURE TUBE				
		<TRANSISTOR>				
Q701	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q702	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q703	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q704	8-729-906-70	TRANSISTOR BF871				
Q705	8-729-906-70	TRANSISTOR BF871				
Q706	8-729-906-70	TRANSISTOR BF871				
Q707	8-729-200-17	TRANSISTOR 2SA1091-O				
Q708	8-729-200-17	TRANSISTOR 2SA1091-O				
Q709	8-729-200-17	TRANSISTOR 2SA1091-O				
		<RESISTOR>				
JW121	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R701	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R702	1-216-210-00	METAL GLAZE	3.3K	5%	1/8W	
R703	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R704	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R705	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R706	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R707	1-216-017-00	METAL GLAZE	47	5%	1/10W	
R708	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R709	1-216-196-00	METAL GLAZE	820	5%	1/8W	
R710	1-249-413-11	CARBON	470	5%	1/4W	
R711	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R712	1-247-893-11	CARBON	390K	5%	1/4W	
R713	1-247-883-00	CARBON	150K	5%	1/4W	
R714	1-216-198-00	METAL GLAZE	1K	5%	1/8W	

C V

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

REF.NO.	PART NO.	DESCRIPTION				REMARK
R715	1-216-198-00	METAL GLAZE	1K	5%	1/8W	
R716	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R717	1-202-824-00	SOLID	3.3K	10%	1/2W	
R718	1-202-824-00	SOLID	3.3K	10%	1/2W	
R719	1-202-824-00	SOLID	3.3K	10%	1/2W	
R720	1-216-463-00	METAL OXIDE	12K	5%	2W	
R721	1-216-463-00	METAL OXIDE	12K	5%	2W	
R722	1-216-463-00	METAL OXIDE	12K	5%	2W	
R723	1-249-398-11	CARBON	27	5%	1/4W	F
R726	1-202-719-00	SOLID	1M	10%	1/2W	
R727	1-202-838-00	SOLID	100K	10%	1/2W	
R728	1-202-842-11	SOLID	220K	10%	1/2W	
R729	1-216-349-00	METAL OXIDE	1	5%	1W	F
R731	1-202-719-00	SOLID	1M	10%	1/2W	
R732	1-216-262-00	METAL GLAZE	470K	5%	1/8W	
R734	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R735	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R736	1-249-421-11	CARBON	2.2K	5%	1/4W	
		<VARIABLE RESISTOR>				
RV701	1-237-749-11	RES, ADJ, CARBON 2200				
RV702	1-237-749-11	RES, ADJ, CARBON 2200				
RV703	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				
RV704	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				
RV705	1-230-798-11	RES, ADJ, METAL GLAZE 90M				
**********						
	*A-1645-012-A	V BOARD, COMPLETE (KV-M1411U ONLY)				
		**********				
	*4-380-699-01	CASE (UPPER LID), SHIELD, A1				
		<CAPACITOR>				
C01	1-124-119-00	ELECT	330MF	20%	16V	
C02	1-124-120-11	ELECT	220MF	20%	16V	
C03	1-124-119-00	ELECT	330MF	20%	16V	
C05	1-126-101-11	ELECT	100MF	20%	16V	
C06	1-124-120-11	ELECT	220MF	20%	16V	
C07	1-130-834-00	MYLAR	1MF	10%	63V	
C08	1-163-097-00	CERAMIC CHIP	15PF	5%	50V	
C09	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V	
C10	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C11	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V	
C12	1-163-127-00	CERAMIC CHIP	270PF	5%	50V	
C13	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C14	1-163-097-00	CERAMIC CHIP	15PF	5%	50V	
C15	1-163-103-00	CERAMIC CHIP	27PF	5%	50V	
C16	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	
C17	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	
C18	1-163-099-00	CERAMIC CHIP	18PF	5%	50V	
C19	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	
C20	1-163-125-00	CERAMIC CHIP	220PF	5%	50V	
C21	1-163-833-00	CERAMIC CHIP	0.068MF		25V	
C24	1-126-101-11	ELECT	100MF	20%	16V	
C25	1-124-477-11	ELECT	47MF	20%	16V	
C27	1-163-129-00	CERAMIC CHIP	330PF	5%	50V	
C28	1-163-137-00	CERAMIC CHIP	680PF	5%	50V	
C51	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C52	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C53	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C54	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C55	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C56	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C57	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C58	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
		<CONNECTOR>				
CNV01	*1-565-393-11	CONNECTOR, BOARD TO BOARD				
CNV02	*1-565-393-11	CONNECTOR, BOARD TO BOARD				
CNV03	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P				
		<TRIMMER>				
CT01	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)				
		<DIODE>				
D01	8-719-105-91	DIODE RD5.6M-B2				
D02	8-719-106-79	DIODE RD13M-B1				
D03	8-719-400-18	DIODE MA152WK				
D07	8-719-106-17	DIODE RD6.8M-B2				
D08	8-719-106-17	DIODE RD6.8M-B2				
D11	8-719-914-44	DIODE DAP202K				
		<IC>				
IC2	8-759-037-64	IC SDA5231-2				
IC3	8-759-503-42	IC SAA5243P/E/M3				
IC4	8-759-510-49	IC FCB61C65L-70P				
		<COIL>				
L01	1-408-411-00	INDUCTOR	15UH			
L04	1-408-407-00	INDUCTOR	6.8UH			
L05	1-408-407-00	INDUCTOR	6.8UH			
L06	1-408-407-00	INDUCTOR	6.8UH			
		<IC LINK>				
PS01	⚠1-532-679-91	LINK, IC (ICP-N15) 0.6A				
PS02	⚠1-532-727-91	LINK, IC 0.25A				
		<TRANSISTOR>				
Q01	8-729-920-92	TRANSISTOR 2SD2096-EF				
Q02	8-729-807-50	TRANSISTOR 2SD1623-R				
Q03	8-729-923-80	TRANSISTOR DTC143EK				
Q04	8-729-230-49	TRANSISTOR 2SC2712-YG				
Q05	8-729-807-50	TRANSISTOR 2SD1623-R				
Q07	8-729-900-98	TRANSISTOR DTC143TK				
Q09	8-729-807-87	TRANSISTOR 2SB1295-UL6				
Q10	8-729-807-87	TRANSISTOR 2SB1295-UL6				
Q11	8-729-807-87	TRANSISTOR 2SB1295-UL6				
		<RESISTOR>				
JW1	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW2	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW3	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW4	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW5	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW6	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW7	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW8	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW9	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW10	1-216-295-00	METAL GLAZE	0	5%	1/10W	

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

V

REF.NO.	PART NO.	DESCRIPTION				REMARK
JW11	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW12	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW13	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW14	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW15	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW16	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW17	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW18	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW19	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW20	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW21	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW22	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW23	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW24	1-216-295-00	METAL GLAZE	0	5%	1/10W	
JW25	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R01	1-218-326-11	METAL GLAZE	470	5%	1/2W	
R02	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R04	1-218-326-11	METAL GLAZE	470	5%	1/2W	
R05	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R06	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R07	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R08	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R09	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R13	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R14	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R19	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R20	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R27	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R28	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R29	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R30	1-218-325-11	METAL GLAZE	120	5%	1/4W	
R31	1-218-325-11	METAL GLAZE	120	5%	1/4W	
R32	1-218-325-11	METAL GLAZE	120	5%	1/4W	
R33	1-216-023-00	METAL GLAZE	82	5%	1/10W	
R34	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R37	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R38	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R45	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R46	1-216-311-00	METAL GLAZE	6.8	5%	1/10W	
R51	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R52	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R53	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R54	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R55	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	

<VARIABLE RESISTOR>

RV01	1-238-012-11	RES, ADJ, CARBON 1K

<CRYSTAL>

X01	1-567-162-00	OSCILLATOR, CRYSTAL
X02	1-567-495-11	OSCILLATOR, CRYSTAL

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REF.NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS	
		**********	
⚠	1-426-145-21	COIL, DEGAUSSING	
⚠	1-451-249-31	DEFLECTION YOKE (Y14NDA2)	
	1-452-032-00	MAGNET, DISK; 10MM ϕ	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
	1-452-277-00	MAGNET, BMC	
	1-544-374-11	SPEAKER	
⚠	1-575-807-11	CORD, POWER (WITH CONNECTOR)	
V901 ⚠	8-735-555-75	PICTURE TUBE (A34JBU10X)	

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ACCESSORIES AND PACKING MATERIALS
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PART NO.	DESCRIPTION	REMARK
1-417-154-11	MATCHING TRANSFORMER, ANTENNA	
1-501-385-11	ANTENNA, ROOP	
*4-200-423-01	CUSHION (LOWER) (ASSY)	
*4-200-424-01	CUSHION (UPPER) (ASSY)	
*4-200-426-01	INDIVIDUAL CARTON	
*4-384-927-01	BAG, PROTECTION	
4-200-981-51	MANUAL, INSTRUCTION (ENGLISH)	

REMOTE COMMANDER

1-465-562-12	CONTROL UNIT, REMOTE (RM-694)	
4-035-049-01	COVER, BATTERY (FOR RM-694)	

9-964-792-01

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