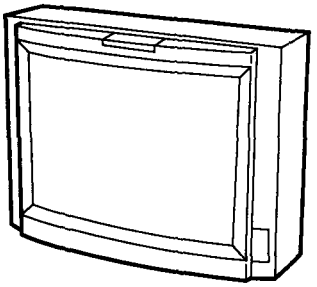
# SERVICE MANUAL

# AA-2C CHASSIS

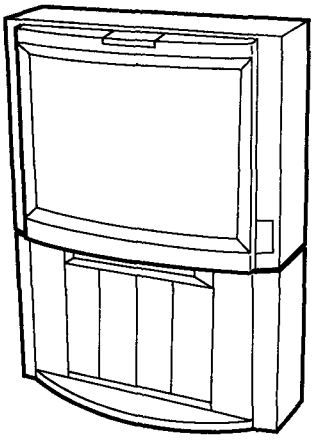
| MODEL | COMMANDER | DEST. | CHASSIS NO. |
|---|---|---|---|
| KV-32XBR48 | RM-Y144 | US | SCC-N29B-A |
| KV-32XBR48 | RM-Y144 | Canadian | SCC-N30B-A |
| KV-34XBR48C | RM-Y144 | E | SCC-N31B-A |
| KV-35XBR48 | RM-Y144 | US | SCC-N29A-A |
| KV-35XBR48 | RM-Y144 | Canadian | SCC-N30A-A |
| KV-35XBR88 | RM-Y144 | US | SCC-N29C-A |
| KV-37XBR48M | RM-Y144 | E | SCC-N31A-A |



RM-Y144



KV-32XBR48/34XBR48C
KV-35XBR48/37XBR48M



KV-35XBR88

MICROFILM

996583601

TRINITRON® COLOR TV

SONY®

※ Please file according to model size. ..... ■

32 | 34 | 35 | 37

# SPECIFICATIONS

| | KV-32XBR48 | KV-34XBR48C | KV-35XBR48 | KV-35XBR88 | KV-37XBR48M |
|---|---|---|---|---|---|
| Power requirements | 120 V, 60 Hz | 220 V, 50/60 Hz | 120 V, 60 Hz | 120 V, 60 Hz | 120 V, 60 Hz |
| Number of inputs / outputs | | | | | |
| Video [1] | 3 | 3 | 3 | 3 | 3 |
| S video[2] | 2 | 2 | 2 | 2 | 2 |
| Audio[3] | 4 | 4 | 4 | 4 | 4 |
| Audio out[4] | 1 | 1 | 1 | 1 | 1 |
| Monitor out[1] | 1 | 1 | 1 | 1 | 1 |
| TV out[1] | 1 | 1 | 1 | 1 | 1 |
| S-Link | YES | YES | YES | YES | YES |
| Y, B-Y, R-Y[5] | 1 | 1 | 1 | 1 | 1 |
| Speaker output (W) | 15W x 2 | 15W x 2 | 15W x 2 | 15W x 2 | 15W x 2 |
| Power consumption (W) | | | | | |
| in use (Max.) | 195W | 195W | 198W | 198W | 198W |
| in standby | 15W | 17W | 15W | 15W1 | 5W |
| Dimensions (W/H/D) | 861 x 652.5 x | 861 x 652.5 x | 936 x 706.5 x | 936 x 1201.5 x | 936 x 706.5 x |
| (mm) | 603 mm | 603 mm | 636.5 mm | 697 mm | 626.5 mm |
| (in.) | 33 x 25 3/4 x 23 3/4 in. | 33 x 25 3/4 x 23 3/4 in. | 36 7/8 x 27 7/8 x 24 3/4 in. | 36 7/8 47 3/4 x 27 1/2 in. | 36 7/8 x 27 7/8 x 24 3/4 in. |
| Mass (kg) | 72 kg | 72 kg | 90 kg | 125 kg | 90 kg |
| (lbs) | 158 lbs 12 oz | 158 lbs 12 oz | 198 lbs 7 oz | 276 lbs 0 oz | 198 lbs 7 oz |

[1] 1 Vp-p, 75 ohms unbalanced, sync negative

[2] Y : 1 Vp-p, 75 ohms unbalanced, sync negative
C : 0.286 Vp-p (Burst signal), 75 ohms

[3] 500 mVrms (100% modulation), Impedance : 47 kilohms

[4] More than 408 mVrms at the maximum volume setting (variable)
More than 408 mVrms (fix)
Impedance : 5 kilohms

[5] Y : 1.0 Vp-p, 75 ohms, sync negative
B-Y : 0.7 Vp-p, 75 ohms
R-Y : 0.7 Vp-p, 75 ohms

**Television system**
American TV standard

**Channel coverage**
VHF : 2-13 / UHF : 14-69 / CATV : 1-125

**Picture tube**
Hi Black Trinitron® tube

**Antenna**
75 ohm external terminal for VHF / UHF

**Visible Screen size**
32-inch picture measured diagonally
(KV-32XBR48, 34XBR48C)
35-inch picture measured diagonally
(KV-35XBR48, 35XBR88, 37XBR48M)

**Actual Screen size**
34-inch picture measured diagonally
(KV-32XBR48, 34XBR48C)
37-inch picture measured diagonally
(KV-35XBR48, 35XBR88, 37XBR48M)

**Supplied accessories**
Remote control RM-Y144 (1)
Batteries (2) size AA (R6)

**Optional accessories**
Connecting cables
RK-74A, RKG-69HG, VMC-10HG,
VMC-720M, VMC-810S / 820S. YC-15V / 30V
TV Stand SU-32XBR48
KV-32XBR48, 34XBR48C
TV Stand SU-35XBR48
KV-35XBR48, 37XBR48C
U / V mixer EAC-66

Design and specifications are subject to change without notice.

SRS (●)® (SOUND RETRIEVAL SYSTEM)

The SRS (●)® (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748.669. Other U.S. and foreign patents pendeing.

The word 'SRS' and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

# SAFETY CHECK-OUT

( US model only )

After correcting the original service problem, perfom the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recom mend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate;be suspicious of your HV meter if sets always have low HV.
9. Check the antenna temminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

## LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

## HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground;the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

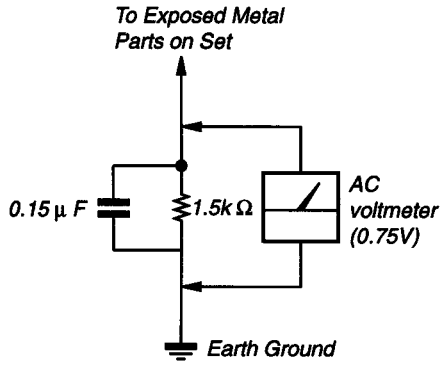



*Fig. A. Using an AC voltmeter to check AC leakage.*

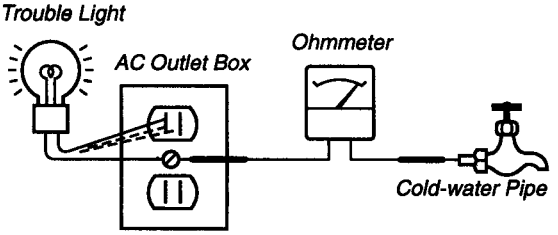



*Fig. B. Checking for earth ground.*

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**(CAUTION)**

**SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.**

**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.**

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR 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 FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.**

**(ATTENTION)**

**APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.**

**ATTENTION!!**

**AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.**

**ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!**

**LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ ⚠ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.**

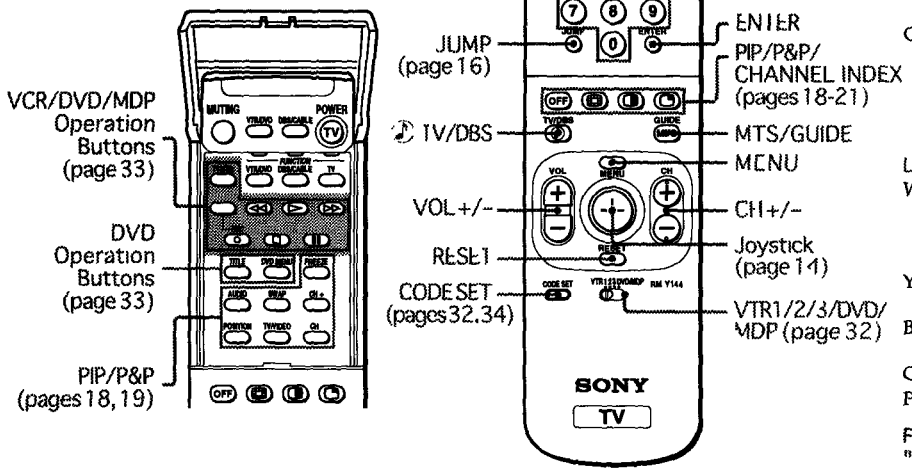
# SECTION 1
# GENERAL

The operation instruction mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual. (Part no · 3-860-371-21)

## Remote Control

**In the instructions that follow, we will refer to the buttons on your remote control. Keep this flap unfolded and use this page for reference.**






### Getting to know the buttons on the remote control

Names of the buttons on the remote control are presented in different colors to represent the available functions.

Button color

Black .. .. . . Press to select the component you want to control; e.g. VTR (VCR)/MDP/DVD Player, DBS (Direct Broadcast Satellite)/ CABLE, or TV.

Green . . . Buttons relevant to power operations, like turning the TV, DBS (Direct Broadcast Satellite)/ CABLE, or VTR (VCR)/MDP/ DVD Player on or off.

Label color

White . TV/VTR (VCR)/MDP/DVD Player/DBS (Direct Broadcast Satellite)/CABLE operation buttons

Yellow .. PIP, P&P, and CHANNEL INDEX operation buttons

Blue .. DBS (Direct Broadcast Satellite) operation buttons.

Green . .. S-Link operation buttons

Pink .. . . DVD Player operation buttons.

**For a detailed explanation of most buttons, see "Watching the TV" on page 16.**

## Connecting and Installing the TV (continued)

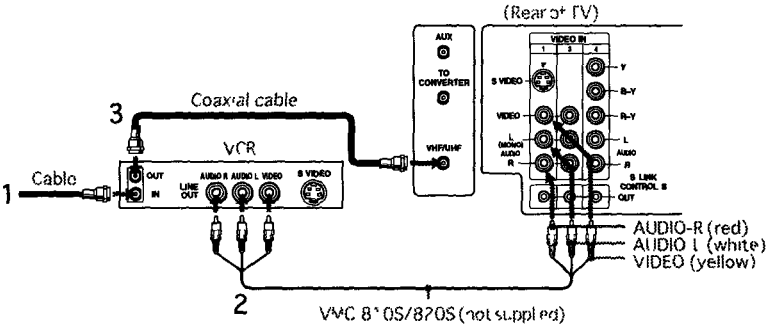
**Disconnect all power sources before making any connections.**

### Connecting an antenna/cable TV system with a VCR

1 Attach the coaxial connector from your cable or antenna to IN on your VCR

2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV




### Connecting to an S Video equipped VCR

1 Attach the coaxial connector from your cable or antenna to IN on your VCR.

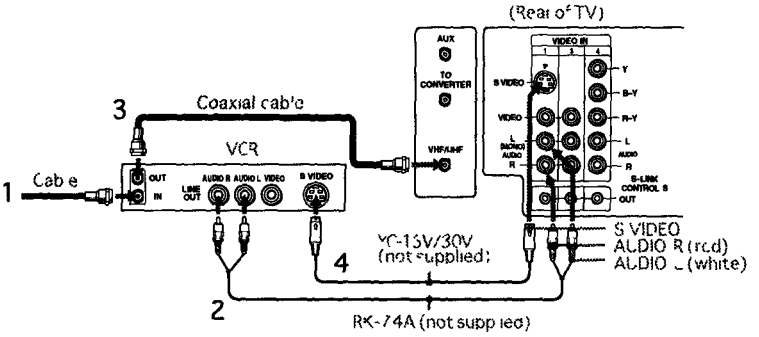
2 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right).

3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV

**Note:**

- If you are connecting a monaural VCR, connect only the single audio output to the left (MONO) input on your TV.



### Connecting a VCR and TV with a cable box

1 Connect the single (input) jack of the Splitter to your incoming cable connection, *and connect the other two (output)* jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.

2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR

3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

### Connecting to an S Video equipped VCR with a cable box

1-2 Perform as described above.

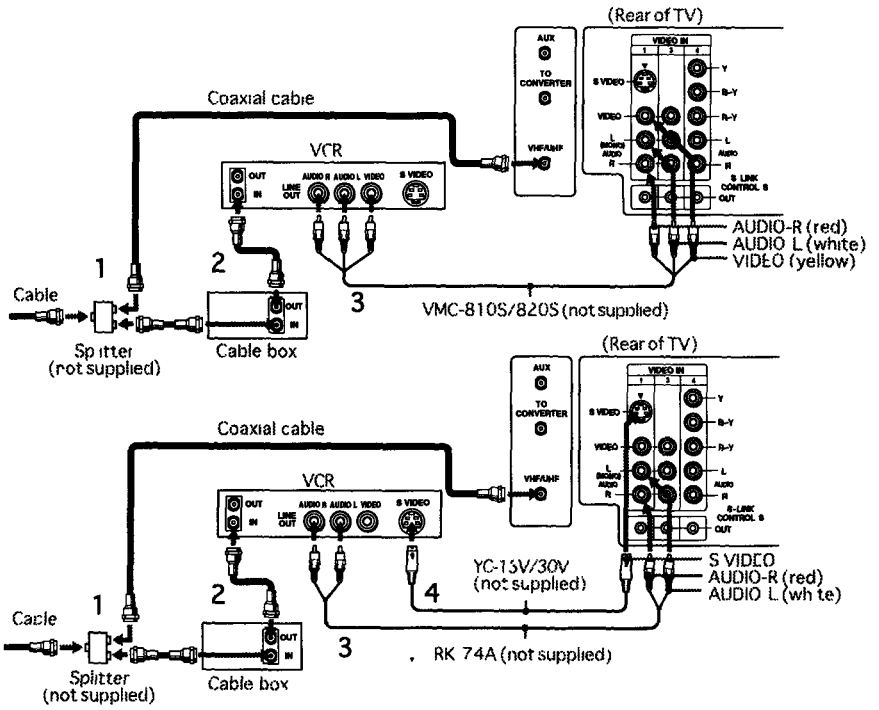
3 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right)

4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV

Note:

- To view scrambled channels through your cable box, select the video input which your cable box is connected to by pressing TV/VIDEO

Disconnect all power sources before making any connections.






## Connecting and Installing the TV (continued)

### Connecting a DBS (Direct Broadcast Satellite) receiver

1 Connect the cable from your satellite antenna to your DBS receiver.

2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.

3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

### Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

1 Connect the cable from your satellite antenna to your DBS receiver.

2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your VCR.

3 Using a coaxial connector, connect VHF/UHF OUT on your VCR to VHF/UHF on your TV.

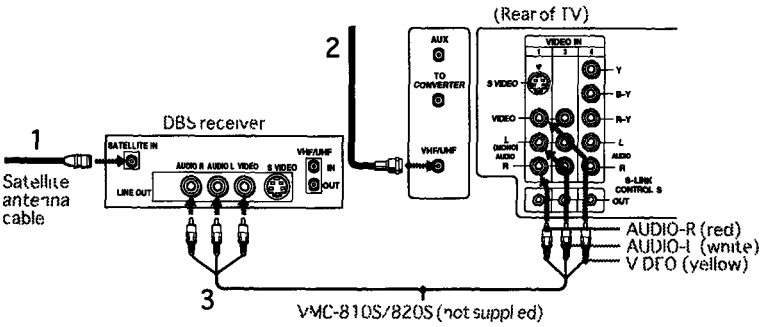
4 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.

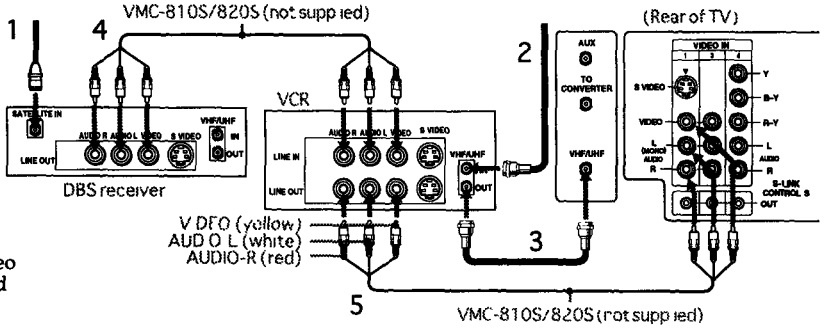
5 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Note:

- To view input from the DBS or VCR, select the video input which your DBS receiver or VCR is connected to by pressing TV/VIDEO on the remote control.

Disconnect all power sources before making any connections.



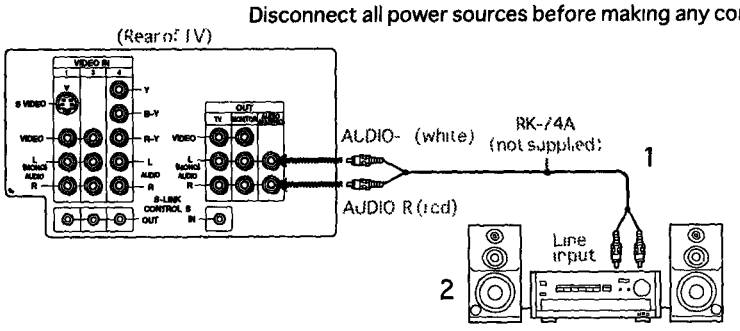
## Connecting an audio system

For more dynamic sound, connect your audio system to your TV.

1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on your stereo (White-AUDIO Left, Red-AUDIO Right)

2 Set your stereo to the chosen Line input and use the AUDIO menu to set your audio output. (see "SPEAKER" and "AUDIO OUT" on page 24)

Disconnect all power sources before making any connections.




## Connecting an AV receiver

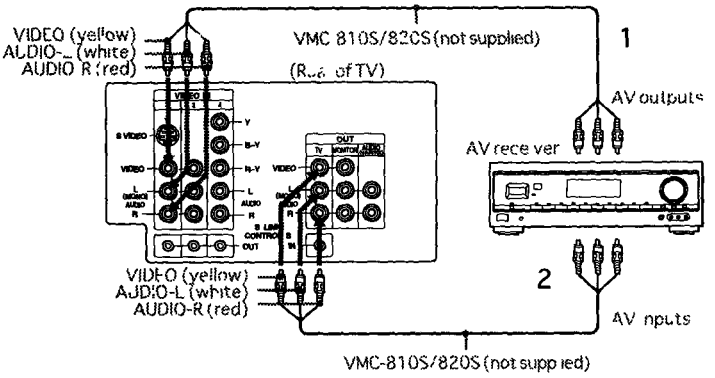
For greater control of all audio and video equipment, connect your AV receiver

1 Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your AV receiver.

2 Using AUDIO/VIDEO connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your AV receiver

Note:

- You may want to use CHANNEL FIX to fix your TV's input to the AV receiver (VIDEO 1). (see "CHANNEL SET UP" on page 26)




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# Connecting and Installing the TV (continued)

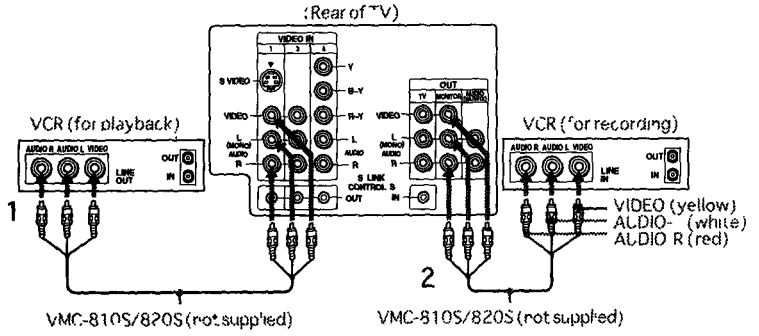
## Connecting two VCRs for tape editing using MONITOR OUT

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing

1 Connect the VCR intended for playback using the connection instructions on page 4 of this manual

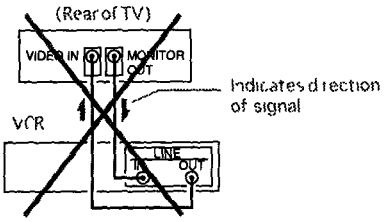
2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

Disconnect all power sources before making any connections.




Notes:

- Do not change the input signal while editing through MONITOR OUT
- When connecting a single VCR to the TV; if VCR LINE OUT is connected to TV VIDEO IN, **do not** connect the TV MONITOR OUT jacks to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems




8

### Connecting a DVD Player (Upper illustration)

Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to LINE OUT on your DVD Player.

### Connecting a DVD Player with component video output connectors (Lower illustration)

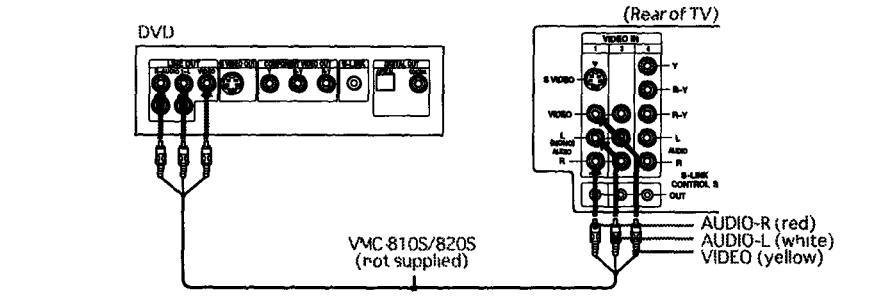
1 Using AUDIO connectors, connect AUDIO R and L of the LINE OUT on your DVD Player to AUDIO R and L on the VIDEO IN 4 panel at the rear of your TV.

2 Using three VIDEO connectors, connect Y, B–Y, and R–Y on the COMPONENT VIDEO OUT on your DVD Player to Y, B–Y, and R–Y on the VIDEO IN 4 panel at the rear of your TV.

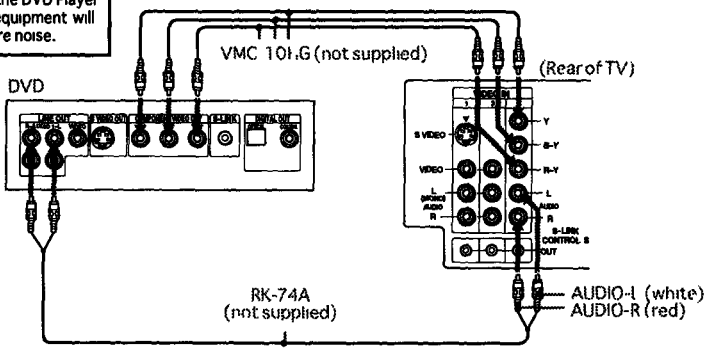
Notes:

- Some DVD Player terminals may be labeled Y, Cb, and Cr If so, connect Y (green) to Y, B-Y (blue) to Cb, and R-Y (red) to Cr
- Because the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the SHARPNESS in the VIDEO menu (see SHARPNESS on page 23)

Disconnect all power sources before making any connections.




Connect your DVD Player directly to your TV. Connecting the DVD Player through other video equipment will cause unwanted picture noise.






## Connecting and Installing the TV (continued)

### Connecting a camcorder

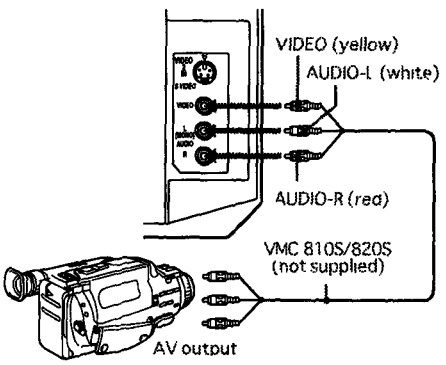
Use this connection to view a picture directly from your camcorder.

Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on the front panel of your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

Notes:

- If you are connecting a monaural camcorder, connect only the single audio output to the left (MONO) input on your TV
- If you have an S Video equipped camcorder, you can use an S Video connection

Disconnect all power sources before making any connections.



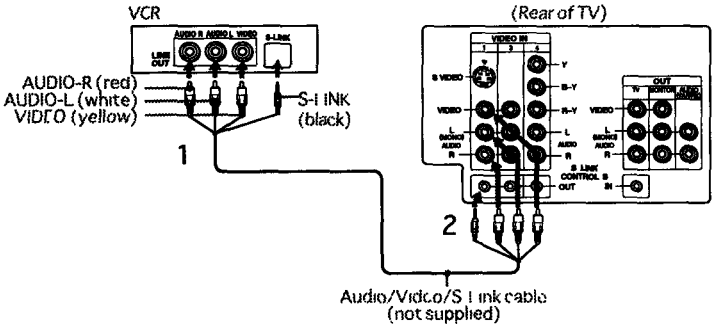
## Using the S-Link function

Disconnect all power sources before making any connections.

S-Link is a Sony innovation designed to make your Sony components work together. It allows you to automatically switch the TV input mode to video when you press PLAY on your Sony S-Link VCR. It also allows you to turn the VCR and TV off at the same time with the SYSTEM OFF button.

1 Connect your VCR. (see "Connecting an antenna/cable TV system with a VCR" or "Connecting to an S Video equipped VCR" on page 4)

2 Using an S-LINK connector, connect the S-LINK jacks on your VCR and TV. Ensure that both ends are seated firmly and that the TV S-LINK connector is in the same row as the AUDIO/VIDEO connectors.






# Connecting and Installing the TV (continued)

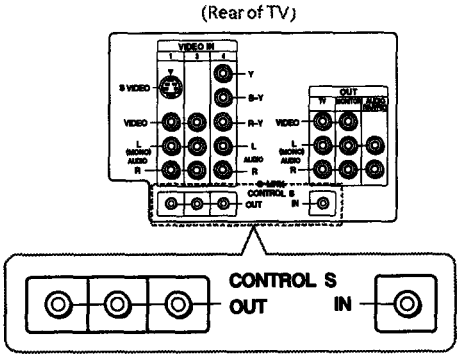
## Using the CONTROL S feature

Disconnect all power sources before making any connections.

CONTROL S allows you to control your TV and other Sony equipment with one remote control.

To control other Sony equipment with your TV's remote control, connect the CONTROL S IN jack of the equipment to the CONTROL S OUT jack on the TV with the CONTROL S cable.

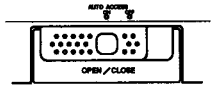
To control your TV with other Sony equipment's remote control, connect the CONTROL S OUT jack of the equipment to the CONTROL S IN jack on the TV with the CONTROL S cable.



## Using the Console Box (KV-35XBR88 only)

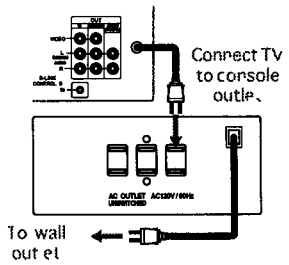
The console box features electronic sliding doors and three AC outlets.

The AUTO ACCESS switch on the front of the console controls operation of the sliding doors.



### AC outlets

Your TV cord has been designed to connect to one of the AC outlets on the rear of the console You will have two additional outlets to connect accessory equipment to.



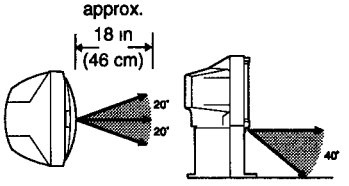

CAUTION

- Do not connect the console AC power cord to a wall outlet until you have completed making all connections
- Do not connect equipment with a combined wattage of more than 300 W/3 A to the console outlet (the wattage of this TV set is 198 W)

### Operating your console box automatically (AUTO ACCESS ON)

When the AUTO ACCESS switch is set to ON, the doors will operate automatically. Whenever the sensor detects movement within its range, the doors will open and remain open until the range is clear.

Refer to the following diagram to determine the range of the automatic feature




Notes:

- People with small children and pets should consider using the manual feature to avoid possible injury and/or damage.
- The ultrasonic sensor may detect movement, drafts, vibrations, sound waves, or electronic signals that will cause the doors to open inadvertently.
- If the travel of the doors is interrupted, they will reopen automatically and remain opened When you want to close the doors again, press the OPEN/CLOSE button (or set the AUTO ACCESS switch to OFF)

### Operating your console box manually (AUTO ACCESS OFF)

When the AUTO ACCESS switch is set to OFF, the doors will operate manually. Pressing on the OPEN/CLOSE button will cause the doors to open or close and remain in that position until the switch is pressed again.



# Basic Set up

## Inserting Batteries

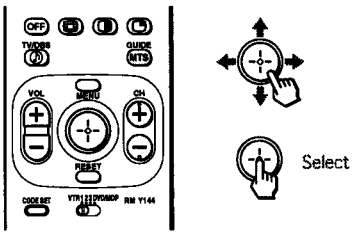
Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment.



Notes:

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. (see "Operating Video Equipment" on page 32)

## Using the Remote Control Joystick




The supplied remote control has a joystick which allows for movement of the on-screen selector in four directions. Pressing up, down, left, or right on the joystick will cause the selector to *move* in the selected direction Pressing down on the center of the joystick ( ⊕ ) will *activate* the selected item.

## Adjusting Sliders

When menu items present a slider ( ▬● or ●▬ ), press up, down, left, or right on the joystick to adjust the setting

## On Line Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions.

*When the instructions are presented, use them to supplement the instructions in this manual.*

## Setting Up the TV Automatically

The EASY SETUP GUIDE feature will allow you to set the on-screen language and set all receivable channels. The EASY SETUP GUIDE screen will appear every time you turn on the TV until you perform AUTO PROGRAM.

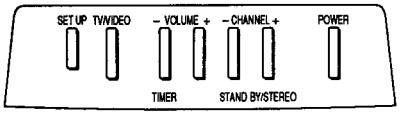
The EASY SETUP GUIDE feature does not apply for installations that use a cable box for all channel selection.

*You can also set up the TV manually. (see "Using the SET UP menu" on page 26)*

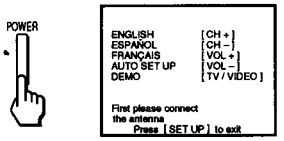
*Tips*

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable
- After using EASY SETUP GUIDE you will still have the option of adjusting any of the system settings, like erasing channels, through the SET UP menu (*see "CHANNEL SET UP" on page 26*)

Using the buttons on the top of the TV·




1 Press POWER to turn on the TV
The EASY SETUP GUIDE screen appears



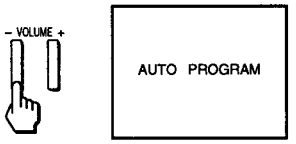

2 Press CHANNEL + to select ENGLISH, CHANNEL – to select ESPAÑOL or VOLUME + to select FRANÇAIS.

The screen will change to reflect your choice




For a DEMO of functions and menus, press TV/VIDEO

3 Press VOLUME – to continue.




"AUTO PROGRAM" appears and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, the lowest numbered channel is displayed If the TV receives cable TV channels, CABLE is set to ON automatically

### To perform AUTO SET UP again

- Press SET UP on top of the TV.
- Press CHANNEL +, CHANNEL – or VOLUME + to select a language
- Press VOLUME – to restore factory settings ("CONTINUE TO AUTO PROGRAM?" will appear on the screen ) Press CHANNEL+ to execute or CHANNEL– to exit.
- Press SET UP to exit

**Notes:**

- Before you perform AUTO SET UP again, make sure that the input from ANT (not AUX) is selected by pressing ANT until "AUX" does not appear next to the channel number
- When you perform AUTO PROGRAM, your CHANNEL FIX, TIMER, and CHANNEL BLOCK settings will be erased

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## Watching the TV

Many TV features can be accessed directly through the remote control. The following chart will explain the function of some buttons found on your remote control

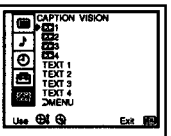
REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

| Using the White Labeled Buttons for TV Operations. | |
|---|---|
| TV (FUNCTION) | Activates the remote control for use with the TV. |
| TV POWER | Turns the TV on and off If a video input indication (e.g., VIDEO 1, VIDEO 2) appears on the screen, press TV/VIDEO until a channel number appears |
| ⓪-⑨ and ENTER | Use for direct channel selection Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0), the channel will change after 2 seconds, or you can press ENTER for immediate selection. |
| CH +/– | Press to scan through the channels (+ up or – down) |
| VOL +/– | Press to adjust the volume (+ up or – down). |
| JUMP | Press to alternate or *jump* back and forth between two channels The TV will jump between the current channel and the last channel selected using the 0-9 buttons |
| MUTING | Press to mute the sound ("MUTING" will appear on the screen) Press again or press VOL + to restore sound |
| FREEZE *(yellow labeled button)* | Press to *freeze* the picture<br>Press again or press (OFF) to cancel |

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| Using the White Labeled Buttons for TV Operations. | |
|---|---|
| SLEEP | Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90) that you want the TV to remain on before shutting off automatically Cancel by pressing until "SLEEP OFF" appears |
| DISPLAY | Press repeatedly to step through available displays:<br>**Status**<br>Channel number, current time, channel caption (if set), and MTS mode (if SAP is selected) are displayed SAP indication disappears after three seconds.<br>**XDS**<br>XDS (Extended Data Service) shows a network name, program name, program type, program length, program description, call letters, and time of the show if the broadcaster offers this service.<br>**Caption Vision**<br>Caption Vision will be displayed on the screen if the broadcaster offers this service. (see right)<br>To cancel the display, press DISPLAY repeatedly until "DISPLAY OFF" appears. "DISPLAY OFF" disappears after three seconds |
| TV/VIDEO | Press repeatedly to step through available video inputs.<br>**TV, VIDEO 1, VIDEO 2, VIDEO 3 and VIDEO 4**<br>If you select SKIP as a VIDEO LABEL in the SET UP menu, your TV will skip the video input you selected. (see "VIDEO LABEL" on page 27) |
| ANT<br>*(AUX input)* | Press to change between the VHF/UHF input and the AUX input. (For detailed connection information, see "Cable box and cable" or "Cable and antenna" on page 3) |
| MTS | Press to cycle through the Multi-channel TV Sound (MTS) options. (see "MTS" on page 24) |
| SYSTEM OFF<br>*(green labeled button)* | Press to turn off the TV and all other equipment connected with S-Link (see "Using the S-Link function" on page 11) |

**CAPTION VISION**
*(Closed Caption)*




Some programs are broadcast with Caption Vision. To display Caption Vision, select CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, or TEXT4 from the menu, then press DISPLAY until Caption Vision is displayed.

CC1, CC2, CC3, or CC4 shows you a caption, that is, a printed version of the dialogue or sound effects of a program. (The mode should be set to CC1 for most programs) TEXT1, TEXT2, TEXT3, or TEXT4 shows you text, that is, information presented, using half of the screen It is not usually related to the program.

Notes:

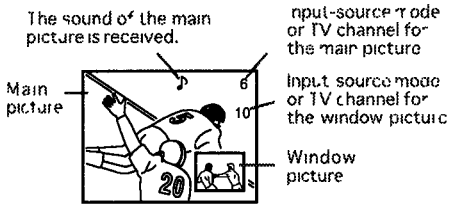
- Poor reception of TV programs can cause errors in Caption Vision and XDS. Captions may appear with a white box or other errors instead of intended text
- XDS, Caption Vision, and the status display cannot be used at the same time



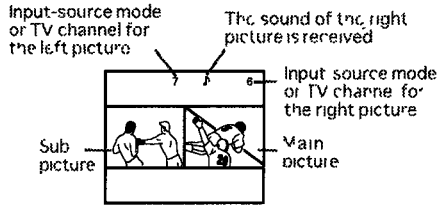
# Using your New TV (continued)

## Watching Two Programs at One Time — PIP/P&P (Twin View™)

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture.




The Picture-and-Picture (P&P) feature allows you to view two channels simultaneously, both in a reduced size screen The main picture will appear on the right




REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

| Using the Yellow Labeled Buttons for PIP Operations. Some control buttons for PIP and P&P are located under the cover on the top of the remote control. | |
|---|---|
| | Press to display a window picture (PIP)<br>Each time you press, the picture size will change (1/4 →1/9 →1/16).<br>Press (OFF) to remove the window picture. |
| | Press to display right (main) and left pictures (P&P)<br>Press (OFF) to cancel |
| TV/VIDEO | Press repeatedly to step through available video inputs<br>**TV, VIDEO 1, VIDEO 2, VIDEO 3 and VIDEO 4**<br>PIP will display the video source in the window picture<br>P&P will display the video source in the left picture |
| AUDIO | Press to alternate sound between the main picture and the window picture for PIP and the right and left picture for P&P. The symbol " ♪ " will appear for a few seconds to indicate which picture's sound is being received |

| Using the Yellow Labeled Buttons for PIP Operations | |
|---|---|
| CH + / CH – | Press to change the TV channel in the secondary picture (+ to increase the channel number and – to decrease).<br>For PIP, the channel in the window picture will change<br>For P&P, the channel in the left picture will change |
| POSITION | Press to move the location of the window picture around the main picture<br>*This function works only for PIP* |
| FREEZE | Great for copying down phone numbers, addresses, recipes, etc<br>For PIP: Press to freeze the main picture and remove the window picture.<br>Press PIP or FREEZE to resume PIP viewing<br>Press (OFF) to cancel and resume normal TV viewing<br><br>For P&P Press to freeze both pictures<br>Press again to resume P&P viewing or press (OFF) to cancel and resume normal TV viewing. |
| SWAP | Press to switch the audio and video of the main picture and the window picture for PIP, or between the left and right pictures for P&P.<br>Each time you press SWAP, the picture and sound of the two will be exchanged |
| ▣ | Press to access CHANNEL INDEX for direct channel selection (see "Using CHANNEL INDEX" on page 20) |
| (OFF) | Press to cancel PIP or P&P functions and return to normal viewing. |

**Notes:**

- The channel being received through the AUX jack cannot be displayed as a window picture
- If one of the pictures received through PIP/P&P is snowy, the entire screen may appear snowy. In this case, erase the snowy channel (see "CHANNEL ERASE/ ADD" on page 26)





## Using CHANNEL INDEX

You can use the CHANNEL INDEX feature to display multiple channels for direct selection

Channels used for CHANNEL INDEX will come directly from the TV's list of receivable channels (those set during AUTO PROGRAM or through the SET UP menu).

1 Press ▣ once to display the current channel in the center of the screen surrounded by the first twelve receivable channels.



A yellow frame will appear to indicate current channel selection

2 When you find a channel that you wish to view, use the joystick to move the yellow frame to that picture and press ⊕.



The selected channel will be retrieved and displayed for normal viewing



**Notes**

- You cannot move the yellow frame until all of the surrounding pictures appear.
- The TV will continually update each of the surrounding pictures while the CHANNEL INDEX screen is displayed
- Sound will only be heard from the center picture while the CHANNEL INDEX screen is displayed
- If one of the pictures received through CHANNEL INDEX is snowy, the entire screen may appear snowy In this case, erase the snowy channel using CHANNEL ERASE/ADD. (see "CHANNEL SET UP" on page 26)

| Using the Yellow Labeled Buttons for CHANNEL INDEX Operations. Some control buttons are located under the cover on the top of the remote control. | |
|---|---|
| (▦) | Press to access CHANNEL INDEX.<br>Press again to access the next twelve receivable channels |
| CH +<br>CH − | Press to cycle through the receivable channels one at a time |
| (OFF) | Press to cancel the current operation and return to normal TV viewing |
| FREEZE | Press to freeze the center picture.<br>Press again to cancel the frozen picture and resume normal center picture viewing |
| **Using the White Labeled Buttons for Center Picture Operations.** | |
| TV/VIDEO | Press to cycle the center picture through the video inputs.<br>The surrounding channels will not change. |
| ANT | Press to replace the center picture with a channel received through the AUX input<br>Press again to return to CATV input |
| CH (+ / −) or (0)-(9) and ENTER or JUMP | Press to select the channel for the center picture.<br>(see "Watching the TV" on pages 16-17) |

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART



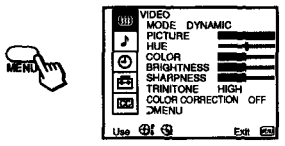
## Adjusting your SET UP (menus)

### Learning Menu Selection

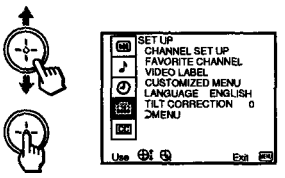
Use the MENU button to access a menu and use the joystick to alter settings. Use the following example to learn how to modify settings.

1 Press the MENU button

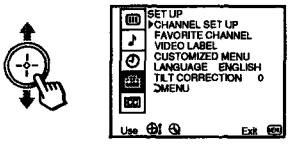
The main menu appears.




2 Press up or down on the joystick to highlight the desired menu and press ⊕ to activate it.

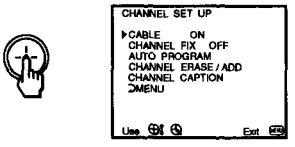



3 Press up or down on the joystick until the cursor points to the desired option.



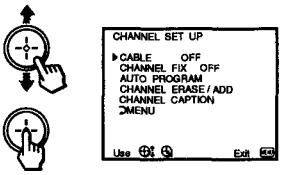

4 Press ⊕.

Options for your selection will be displayed

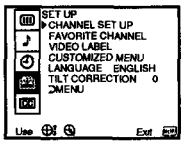



5 Press up or down on the joystick to make your selection and and press ⊕ to activate it

The previous screen will reappear.



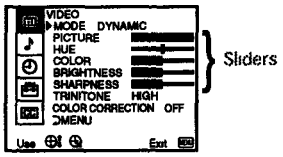

When you are done with changes to the selected menu, choose MENU to return to the main menu. Once you have completed all menu corrections, press MENU on the remote control to exit the menu screens.




Note:

- Pressing MENU on the remote control will allow you to exit from the menus at any time

## Using the VIDEO Menu




For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 22.

### To select the VIDEO menu:

Display ➡ Highlight ➡ Select



### To restore the factory settings

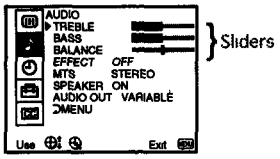
Press RESET on the remote control while the VIDEO menu is selected.

| | |
|---|---|
| **MODE**<br>*Customized picture viewing* | **DYNAMIC:** Select for enhanced picture contrast and sharpness<br>**STANDARD:** Select to display a standard picture.<br>**MOVIE:** Select to display a finely detailed picture<br>**SPORTS:** Select to display a vivid, bright picture<br>You can alter the VIDEO menu settings (e g., PICTURE, HUE) for each MODE. Select each mode individually and then press RESET to restore factory settings. |
| **PICTURE**<br>*Picture Adjustment* | Adjust slider right (up) to increase picture contrast and create more vivid color.<br>Adjust slider left (down) to decrease picture contrast and soften the color. |
| **HUE**<br>*Picture Adjustment* | Adjust slider right (up) to increase the green tones.<br>Adjust slider left (down) to decrease the green tones. |
| **COLOR**<br>*Picture Adjustment* | Adjust slider right (up) to increase color intensity.<br>Adjust slider left (down) to decrease color intensity. |
| **BRIGHTNESS**<br>*Picture Adjustment* | Adjust slider right (up) to brighten the picture.<br>Adjust slider left (down) to darken the picture |
| **SHARPNESS**<br>*Picture Adjustment* | Adjust slider right (up) to sharpen the picture<br>Adjust slider left (down) to soften the picture. |
| **TRINITONE**<br>*White Intensity Adjustment* | **HIGH:** Select to give the white colors a blue tint<br>**MEDIUM:** Select to give the white colors a white tint<br>**NTSC STD:** Select to give the white colors a red tint |
| **COLOR CORRECTION**<br>*Color Ratio Adjustment* | Select **ON** to emphasize reds and blues.<br>Select **OFF** to emphasize greens |



# Adjusting your SET UP (menus) (continued)

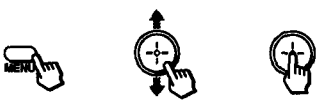
## Using the AUDIO Menu




For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 22.

### To select the AUDIO menu:

Display ➡ Highlight ➡ Select



### To restore the factory settings

Press RESET on the remote control while the AUDIO menu is selected.

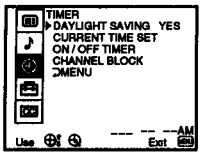
Tip

Press for direct selection of an EFFECT setting.



| | |
|---|---|
| **TREBLE**<br>*Sound Adjustment* | Adjust slider right (up) to increase high pitched sounds.<br>Adjust slider left (down) to decrease high pitched sounds. |
| **BASS**<br>*Sound Adjustment* | Adjust slider right (up) to increase low pitched sounds<br>Adjust slider left (down) to decrease low pitched sounds. |
| **BALANCE**<br>*Sound Adjustment* | Adjust slider right (up) to emphasize right speaker volume<br>Adjust slider left (down) to emphasize left speaker volume. |
| **EFFECT**<br>*Customize sound effect based on the program's audio type* | **AUTO SRS:** Automatically detects signal type and switches the TV effect between SRS and SIMULATED<br>**SRS:** Produces a dynamic three dimensional sound for stereo signals.<br>**SIMULATED:** Adds a surround-like effect to mono programs<br>**OFF:** Normal stereo or mono reception |
| **MTS**<br>*Enjoy stereo bilingual and mono programs* | **STEREO:** Select for stereo reception when viewing a program broadcast in stereo.<br>**SAP:** Select to listen to a bilingual broadcast (non-SAP programs will be muted when this feature is selected)<br>**MONO:** Select for mono reception (use to reduce noise during stereo broadcasts)<br>***Quick MTS access:*** *Press MTS on your remote control to cycle through the MTS options as follows: (STEREO → SAP → MONO → STEREO)* |
| **SPEAKER**<br>*Custom selection of audio output source* | **ON:** Select to listen to the sound from the TV speakers alone or the TV speakers and a separate stereo system<br>**OFF:** Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers |
| **AUDIO OUT**<br>*Easy control of volume adjustments* | AUDIO OUT can only be set when speakers are set to OFF.<br>**VARIABLE:** Sound output varies according to the TV settings. VOLUME, BASS, TREBLE, and BALANCE are adjusted through the TV. Useful when you want to use your remote control to control the output of a separate audio system<br>**FIXED:** Sound output is held at a fixed level VOLUME, BASS, TREBLE, and BALANCE are fixed to the factory settings. VOLUME adjustments are made through your stereo |

## Using the TIMER Menu




After setting the clock you can use the timer to turn the TV on and off.

For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 22.

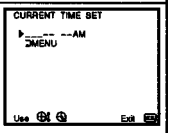
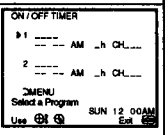
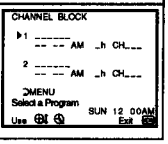
### To select the TIMER menu:

Display ➡ Highlight ➡ Select




Tip

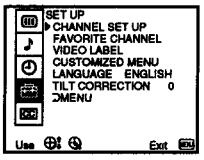
Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased

| | |
|---|---|
| **DAYLIGHT SAVING**<br>*Automatically adjusts the time* | **Spring:** Select YES to compensate for Daylight Saving Time<br>The current time automatically moves ahead one hour<br>**Fall:** Select NO at the end of Daylight Saving Time<br>The current time moves back one hour. |
| **CURRENT TIME SET**<br>*Necessary for the TIMER* | 1 Press ⊕, then press up or down on the joystick until the current day (MON-SUN) is displayed, and press ⊕<br>2 Press up or down on the joystick until the current hour (01-12) and AM/PM is displayed, and press ⊕<br>3 Press up or down on the joystick until the current minute (00-59) is displayed, and press ⊕.<br>The Clock has now started. Press MENU to exit<br>  |
| **ON/OFF TIMER**<br>*Wake up or scheduled viewing* | 1 Select the desired timer (1 or 2).<br>2 Press up or down on the joystick until the desired day (MON-SUN) or range of days (EVERY SUN-SAT or EVERY MON-FRI) is displayed, and press ⊕<br>3 Press up or down on the joystick until the time (hours and minutes) that you want the TV to remain on is displayed, and press ⊕<br>4 Press up or down on the joystick to set the time duration (maximum of 6 hours) and press ⊕. **TO CANCEL THE TIMER FUNCTION, PRESS RESET.**<br>5 Press up or down on the joystick to select the desired channel and press ⊕<br>The timer is now set The TIMER indicator on your TV will be lit.<br>Press MENU to exit Performing AUTO PROGRAM will erase all TIMER settings.<br>  |
| **CHANNEL BLOCK**<br>*Prevent access to certain channels* | You will be able to block two channels for a period of up to 12 hours<br>**FOLLOW STEPS 1-5 OF "ON/OFF TIMER" ABOVE**<br>To erase your CHANNEL BLOCK settings, press RESET while in the CHANNEL BLOCK window Performing AUTO PROGRAM will erase your CHANNEL BLOCK settings.<br>  |



# Adjusting your SET UP (menus) (continued)

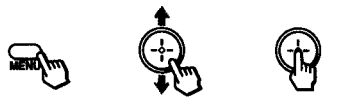
## Using the SET UP Menu



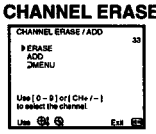
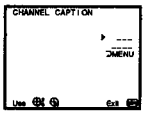
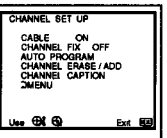

For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 22.

### To select the SET UP menu:

Display ➡ Highlight ➡ Select




If any menu items are "grayed out", press the ANT button on your remote control so that a channel number appears.

| | |
|---|---|
| **CHANNEL SET UP**<br>*Basic set up options for viewing* | With the CHANNEL SET UP window open:<br>1 Use the joystick to select the feature you want to change.<br>2 Press ⊕ to access the feature<br>**CABLE:** Select ON if your TV is connected to a cable system. (AUTO SET UP will set CABLE to OFF automatically if a cable channel is not available)<br>**CHANNEL FIX:** Press up or down on the joystick to set the TV's input to one of the following options:<br>**2-6:** When the cable box is connected to the VHF/UHF input and you do not want to switch to AUX mode. Press DBS/CABLE (FUNCTION) and then CH +/– to change channels.<br>**AUX 2-6:** When a cable box is connected to AUX and a cable or antenna is connected to VHF/UHF You can alternate between the two inputs by pressing ANT<br>**VIDEO 1:** When you have connected video equipment (e.g. AV receiver) and you want the TV input fixed to it. You will be able to alternate between video sources.<br>**OFF:** When you want to switch CHANNEL FIX off<br>If the TV is in the AUX mode when you turn CHANNEL FIX off, press ANT to return to regular (CATV) mode.<br>*TIMER and CHANNEL BLOCK settings are erased when CHANNEL FIX is set*<br>**AUTO PROGRAM:** Signals the TV to automatically program all receivable channels<br>**CHANNEL ERASE/ADD:** With the CHANNEL ERASE/ADD window open<br>  <br>1 Place the cursor next to ERASE or ADD<br>2 Select the desired channel using CH+/–, or by selecting with the 0-9 buttons and pressing ENTER<br>3 Press ⊕<br>**CHANNEL CAPTION:** With the CHANNEL CAPTION window open:<br>  <br>1 Press ⊕ and then press up or down on the joystick to select the desired channel, and press ⊕ again<br>2 Press up or down on the joystick to display the first letter or number of the caption and press ⊕ to select it (Repeat until up to four digits are selected)<br>3 Press ⊕. *To erase a Caption, press RESET*<br>  |

| | |
|---|---|
| **FAVORITE CHANNEL**<br>*User's favorite channels* | The FAVORITE CHANNEL feature provides a multi-picture presentation to enable direct channel selection. (for details on how to set up this feature, see "Setting and Selecting FAVORITE CHANNEL" on page 28) |
| **VIDEO LABEL**<br>*Easy recognition of connected equipment (e.g. DBS, VHS, etc.)* | This feature allows you to label each input mode so that you can easily identify the connected equipment (e.g. you can label VIDEO 1 IN as VHS).<br>1 Press up or down on the joystick to select the input mode you want to label and press ⊕<br>2 Press up or down on the joystick to select the label and press ⊕.<br>**VIDEO LABEL Options:**<br>VIDEO 1: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, RECEIVER, SKIP<br>VIDEO 2/3: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, SKIP<br>VIDEO 4: DVD, SKIP<br>*If you select SKIP, your TV will skip this connection when you scan through video sources using the TV/VIDEO button. When VIDEO LABEL is set to WEB, the screen will darken, creating an ideal picture for WebTV viewing.* |
| **CUSTOMIZED MENU**<br>*Frequently used menu items* | Use this feature to create a custom menu which contains only those functions that you use most. (for details on how to set up this feature, see "Customizing the Menu" on page 31) |
| **LANGUAGE**<br>*User's preferred language* | Select from available languages to display all menus in your language of choice |
| **TILT CORRECTION**<br>*Adjust your picture* | (KV-35XBR48, 35XBR88, 37XBR48M only)<br>Use this feature to correct any tilt of the picture.<br>Press up or down on the joystick to select a correction between +5 and –5 and press ⊕. |



## Adjusting your SET UP (menus) (continued)

### Setting and Selecting FAVORITE CHANNEL

The FAVORITE CHANNEL feature provides a multi-picture presentation to enable direct channel selection

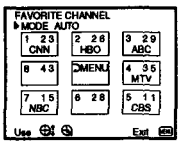
Your FAVORITE CHANNEL options can be set automatically or manually.

The factory setting for FAVORITE CHANNEL is AUTO. When FAVORITE CHANNEL is set to AUTO, the last eight channels selected with the 0-9 buttons will be set as FAVORITE CHANNEL options.

#### Setting FAVORITE CHANNEL manually

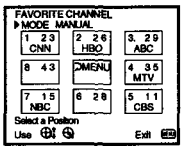
1 Select FAVORITE CHANNEL from the SET UP menu.

The FAVORITE CHANNEL menu will appear If you set CHANNEL CAPTION, captions (e.g. CNN, HBO) for the channels selected will display (see "CHANNEL CAPTION" on page 26)



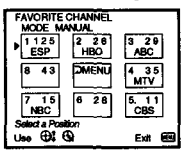

2 Select MODE and press ⊕.

Press up or down on the joystick to display MANUAL and press ⊕.




3 Press down on the joystick to select 1 and press ⊕.

Press up or down on the joystick to select a channel and press ⊕




You have now selected a favorite channel for position 1

4 Use the joystick to select other FAVORITE CHANNEL positions and program other favorite channels

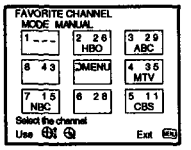
5 Press MENU when you are done.

Your favorite channels are now ready to use.

#### Resetting FAVORITE CHANNEL choices

You have the option of returning to the FAVORITE CHANNEL screen to adjust any of your favorite channel choices.

Simply proceed as described in "Setting FAVORITE CHANNEL manually" (skip step 2 if MANUAL is already selected). When you reach step 3, select the position you want to change and press ⊕. Press RESET to clear the channel for that position




Press up or down on the joystick to select a new channel and press ⊕

Press MENU when you are done.

**Note:**

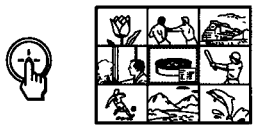
- The FAVORITE CHANNEL feature is not available for the AUX input.

### Using FAVORITE CHANNEL

You can use the FAVORITE CHANNEL feature to display multiple channels for direct selection.

1 Press ⊕ once.

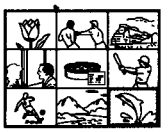
The current channel will be displayed in the center of the screen surrounded by your eight favorite channels.



A yellow frame will appear to indicate current channel selection The TV will continually update each of the surrounding pictures

2 When you find a channel that you wish to view, use the joystick to move the yellow frame to that picture.

The sound of the picture surrounded by the yellow frame will be received



3 Press ⊕ to select the channel.

The selected channel will be retrieved and displayed for normal viewing



**Notes:**

- You cannot move the yellow frame until all of the surrounding pictures appear.
- If one of the pictures received through FAVORITE CHANNEL is snowy, the entire screen may appear snowy. In this case, erase the snowy channel using CHANNEL ERASE/ADD. (see "CHANNEL SET UP" on page 26)



## Adjusting your SET UP (menus) (continued)

### Setting and Selecting FAVORITE CHANNEL (continued)

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

| | |
|---|---|
| **Using the Yellow Labeled Buttons for FAVORITE CHANNEL Operations.** Some control buttons are located under the cover on the top of the remote control. | |
| FREEZE | Press to freeze the center picture<br>Press again to cancel the frozen picture and resume normal FAVORITE CHANNEL viewing. |
| OFF | Press to cancel the current operation and return to normal TV viewing |
| **Using the White Labeled Buttons for Center Picture Operations.** | |
| TV/VIDEO | Press to cycle the center picture through the video inputs.<br>The surrounding channels will not change |
| ANT | Press to replace the center picture with a channel received through the AUX input.<br>Press again to return to CATV input. |
| CH ⊕ ⊖ or 0-9 and ENTER or JUMP | Press to select the channel for the center picture.<br>(see "Watching the TV" on pages 16-17) |

## Customizing the Menu

You have the option of creating a custom menu including up to seven of the menu functions that you use most. You can select any menu items except those found in the SET UP menu. Once you define a custom menu, it will appear first whenever you press the MENU button.

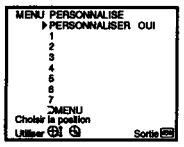
### Creating or changing a CUSTOMIZED MENU

1 Select CUSTOMIZED MENU from the SET UP menu.

The CUSTOMIZED MENU will appear

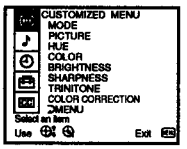
2 Select CUSTOMIZE and press ⊕.

Press up or down on the joystick to display ON and press ⊕ again




3 Press down on the joystick to select 1 and press ⊕.

The menu for selection will appear




4 Locate the item you wish to include and press ⊕.

Grayed out items cannot be included in the CUSTOMIZED MENU.

The CUSTOMIZED MENU will return with your choice in position 1.

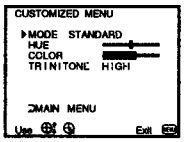



5 Repeat steps 3 and 4 to assign items to any or all of the remaining positions (2 – 7)

. Items which you have already included will appear in green on the menu for selection.

Press MENU when you are done.

Your CUSTOMIZED MENU will now operate the same as any of the standard menus.




### To Access the MAIN MENU from your CUSTOMIZED MENU

Select MAIN MENU in the CUSTOMIZED MENU and press ⊕

### To reset the CUSTOMIZED MENU choices

When the cursor points to CUSTOMIZE or position 1 to 7 in step 4 of "Creating or changing a CUSTOMIZED MENU", press RESET. All choices will be reset.

### To cancel the CUSTOMIZED MENU function

1 Select MAIN MENU in the CUSTOMIZED MENU window and press ⊕

2 Select the CUSTOMIZED MENU from the SET UP menu.

3 Select CUSTOMIZE and set it to OFF.



# Operating Video Equipment

## Setting the Manufacturer's Code

You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor

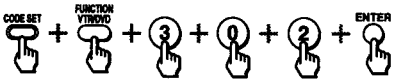
1 Set the VTR 1/2/3/DVD/MDP switch to the position through which you would like to access the video equipment.

The following Sony equipment is preset to each position of the switch:

| | |
|---|---|
| VTR1 (303) | Beta, ED Beta VCRs |
| VTR2 (302) | 8 mm VCR |
| VTR3 (301) | VHS VCR |
| DVD/MDP (751) | DVD Player |

2 Press CODE SET, VTR/DVD (FUNCTION), the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony 8mm VCR






If the remote control doesn't work

- Try repeating the set up procedures using the other codes listed for your equipment.

### VCR manufacturer code numbers

| Manufacturer | Code |
|---|---|
| Sony | 301, 302, 303 |
| Aiwa | 338, 344 |
| Admiral (M. Ward) | 327 |
| Audio Dynamic | 314, 337 |
| Bell & Howell (M. Ward) | 330, 343 |
| Broksonic | 319, 317 |
| Canon | 309, 308 |
| Citizen | 332 |
| Craig | 315, 302, 332 |
| Criterion | 315 |
| Curtis Mathis | 304, 338, 309 |
| Daewoo | 341, 312, 309 |
| DBX | 314, 336, 337 |
| Dimensia | 304 |
| Emerson | 319, 320, 316, 317, 318,341 |
| Fisher | 330, 334, 335, 333 |
| Funai | 338 |
| General Electric | 329, 304, 309 |
| Go Video | 322 |
| Goldstar | 332 |
| Hitachi | 306, 304, 305,338 |
| Instant Replay | 309, 308 |
| JC Penney | 309, 305, 304, 330, 314, 336, 337 |
| JVC | 314, 336, 337 |
| Kenwood | 314, 336, 332, 337 |
| LXI (Sears) | 332, 305, 333, 334, 330, 335, 338 |
| Magnavox | 308, 309, 310 |
| Marantz | 314, 336, 337 |
| Marta | 332 |
| Memorex | 309, 335 |
| Minolta | 305, 304 |
| Mitsubishi/MGA | 323, 324, 325, 326 |
| Multitech | 325, 338, 321 |
| NEC | 314, 336, 337 |
| Olympic | 309, 308 |
| Optimus | 327 |
| Panasonic | 308, 309, 306, 307 |
| Pentax | 305, 304 |
| Philco | 308, 309 |
| Philips | 308, 309, 310 |
| Pioneer | 308 |
| Quasar | 308, 309, 306 |
| RCA/PROSCAN | 304, 305, 308, 309, 311, 329, 312, 313, 310 |
| Realistic | 309, 330, 328, 335, 324, 338 |
| Sansui | 314 |
| Singer | 315 |
| Samsung | 322, 313, 321 |
| Sanyo | 330, 335 |
| Scott | 312, 313, 321, 335, 323, 324,325, 326 |
| Sharp | 327, 328 |
| Shintom | 315 |
| Signature 2000 (M Ward) | 338, 327 |
| Sylvania | 308, 309, 338, 310 |
| Symphonic | 338 |
| SV2000 | 338 |
| Tashiro | 332 |
| Tatung | 314, 336, 337 |
| Teac | 314, 336, 338, 337 |
| Technics | 309, 308 |
| Toshiba | 312, 311 |
| Wards | 327, 328, 335, 331, 332 |
| XR-1000 | 315 |

| | |
|---|---|
| Yamaha | 330, 314, 336, 337 |
| Zenith | 331 |

### MDP manufacturer code numbers

| Manufacturer | Code |
|---|---|
| Sony | 701 |
| Panasonic | 704, 710 |
| Pioneer | 702 |

### DVD Player manufacturer code numbers

| Manufacturer | Code |
|---|---|
| Sony | 751 |

*Tips*

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- When you remove the batteries, the code number may revert to the factory setting.

### To operate video equipment

1 Set the VTR1/2/3/DVD/MDP switch to the position through which you would like to access the video equipment

2 Use the VCR/DVD/MDP buttons indicated in the following tables

| Operating a VCR using the remote control | |
|---|---|
| To turn On/Off | Press VTR/DVD (POWER) [Green Button] |
| To select a channel | Press the 0 – 9 buttons |
| To change channels | Press CH +/–. |
| To record | Press ⏺ (REC) while pressing ▭ (upper left). |
| To play | Press ▶. |
| To stop | Press ■ |
| To fast forward | Press ▶▶. |
| To rewind the tape | Press ◀◀. |
| To pause | Press ❚❚. Press again to resume normal playback. |
| To search the picture forward or backward | Press ▶▶ or ◀◀ during playback. Release to resume normal playback. |
| To change input mode | Press TV/VTR |

| Operating an MDP using the remote control | |
|---|---|
| To turn On/Off | Press VTR/DVD (POWER). [Green Button] |
| To play | Press ▶. |
| To stop | Press ■. |
| To pause | Press ❚❚. Press again to resume normal playback |
| To search the picture forward or backward | Press ▶▶ or ◀◀ during playback. Release to resume normal playback. |
| To search a chapter forward or backward | Press CH +/–. |

| Operating a DVD Player using the remote control | |
|---|---|
| To turn On/Off | Press VTR/DVD (POWER). [Green Button] |
| To play | Press ▶. |
| To stop | Press ■. |
| To pause | Press ❚❚. Press again to resume normal playback. |
| To step through different tracks of an audio disc | Press ▶▶ to step forward or ◀◀ to step backward. |
| To step through different chapters of a video disc | Press CH+ to step forward or CH– to step backward |
| To display the Title menu | Press TITLE |
| To display the DVD menu | Press DVD MENU. |
| To select tracks directly | Press 0-9 buttons. |
| To display the menu (Set up) | Press MENU |



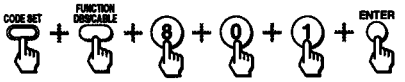
## Operating a Cable Box or DBS Receiver

### Setting the Manufacturer's Code

You can program the supplied remote control to operate a cable box or DBS receiver.

Press CODE SET, DBS/CABLE (FUNCTION), the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony DBS receiver:




### Manufacturer code numbers (cable box)

| Manufacturer | Code |
|---|---|
| Hamlin/Regal | 222, 223, 224, 225, 226 |
| Jerrold/G. I. | 201, 202, 203, 204, 205, 206, 207, 208, 218 |
| Oak | 227, 228, 229 |
| Panasonic | 219, 220, 221 |
| Pioneer | 214, 215 |
| Scientific Atlanta | 209, 210, 211 |
| Tocom | 216, 217 |
| Zenith | 212, 213 |



### Manufacturer code numbers (DBS receiver)

| Manufacturer | Code number |
|---|---|
| Sony | 801 (preset code for remote control) |
| General Electric | 802 |
| RCA/PROSCAN | 802 |

### To operate the TV

Press TV (FUNCTION). Then use the TV control buttons to control the TV

### For more details on operating the cable box or DBS receiver

Refer to the operating instructions that come with the equipment

### If the remote control doesn't work

- First, try repeating the set up procedures using the other codes listed for your equipment.

*Tips*

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment
- If you enter a new code number, the code number you previously entered at that setting is erased
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control unit
- Whenever you remove the batteries—to replace them, for example—if too much time is taken, the code numbers may revert to the factory setting and must be reset.

## Troubleshooting

**No picture (screen not lit), no sound**

- Make sure the power cord is plugged in
- Operate with the buttons on the TV and the remote control.
- Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO 1, 2, 3 or 4.
- Try another channel. It could be station trouble.
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 15)

**Remote control does not operate**

- Batteries could be weak. Replace the batteries.
- Press TV (FUNCTION) when operating your TV.
- Make sure the TV's power cord is connected securely to the wall outlet
- Locate the TV at least 3-4 feet away from fluorescent lights.
- Check the S-Link connection. (see "Using the S-Link function" on page 11)
- Check the polarity of the batteries.

**Dark, poor or no picture (screen lit), good sound**

- Adjust PICTURE in the VIDEO menu (see "PICTURE" on page 23)
- Adjust BRIGHTNESS in the VIDEO menu (see "BRIGHTNESS" on page 23)
- Check antenna/cable connections.
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (see "To perform AUTO SET UP again" on page 15)
- When VIDEO LABEL is set to WEB, the screen will darken, creating an ideal picture for WebTV viewing. (see "VIDEO LABEL" on page 28)

**Good picture, no sound**

- Press MUTING so that "MUTING" disappears from the screen. (see "MUTING" on page 16)
- Check the MTS setting in the AUDIO menu (see "MTS" on page 24)
- Make sure SPEAKER is set to ON in the AUDIO menu. (see "SPEAKER" on page 24)
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (see "To perform AUTO SET UP again" on page 15)

**Cannot receive upper channels (UHF) when using an antenna**

- Make sure CABLE is OFF in the SET UP menu. (see "CHANNEL SET UP" on page 26)
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory (see "CHANNEL SET UP" on page 26)

**No color**

- Adjust the COLOR in the VIDEO menu. (see "COLOR" on page 23)
- Black and white programs cannot be seen in color
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 15)

**Only snow and noise appear on the screen**

- Check the CABLE setting in the SET UP menu (see "CHANNEL SET UP" on page 26)
- Check the antenna/cable connections
- Make sure the channel is broadcasting programs
- Press ANT to change the input mode. (see "ANT" on page 17)

**Dotted lines or stripes**

- Adjust the antenna
- Move the TV away from noise sources such as cars, neon signs, or hair-dryers

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**TV is fixed to one channel**

- Try turning CHANNEL FIX off. (see "CHANNEL SET UP" on page 26)
- Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory. (see "CHANNEL SET UP" on page 26)

**Double images or ghosts**

- Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings)

**Cannot operate menu**

- If the item you want to choose appears in gray, you cannot select it. Press TV/VIDEO correctly

**The electronic console doors do not operate properly (KV-35XBR88 only)**

- Make sure the AUTO ACCESS switch is set to ON
- Remove any dirt or dust from the ultrasonic sensor
- The clothes you are wearing may be absorbing the ultrasonic waves emitted by the sensor Try passing a different type of surface before the sensor.

**Cannot receive any channels when using cable TV**

- Make sure CABLE is ON in the SET UP menu (see "CHANNEL SET UP" on page 26)
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see "CHANNEL SET UP" on page 26)

**Cannot gain enough volume when using a cable box**

- Increase the volume at the cable box. Then press TV (FUNCTION) and adjust the TV's volume.

**TV malfunctions when using the S-Link function**

- Make sure the TV's power cord is connected securely to the wall outlet.
- Check the S-Link connection (see "Using the S-Link function" on page 11)

**CHANNEL INDEX does not display all available channels**

- Make sure CABLE is ON in the SET UP menu. (see "CHANNEL SET UP" on page 26)
- Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory. (see "CHANNEL SET UP" on page 26)

**FAVORITE CHANNEL does not display your choices**

- Verify that MODE is set to MANUAL in the FAVORITE CHANNEL menu. (see "Setting FAVORITE CHANNEL manually" on page 28)

**The CUSTOMIZED MENU does not appear when you press MENU**

- Verify CUSTOMIZE is set to ON in the CUSTOMIZED MENU window (see "Creating or changing a CUSTOMIZED MENU" on page 31)
- If no items are selected in the CUSTOMIZED MENU, CUSTOMIZE is set to OFF automatically. (see "Creating and changing a CUSTOMIZED MENU" on page 31)

**Some video sources do not appear when you press TV/VIDEO**

- Ensure that VIDEO LABEL is not set to SKIP. (see "VIDEO LABEL" on page 27)

**Recording through MONITOR OUT does not function properly when recording in PIP or P&P mode**

- MONITOR OUT will not record both images in PIP or P&P Only the main picture will be recorded.
- If you are recording the main picture and you switch to the sound of the sub picture using the AUDIO button, the main picture will be recorded with sound from the other program

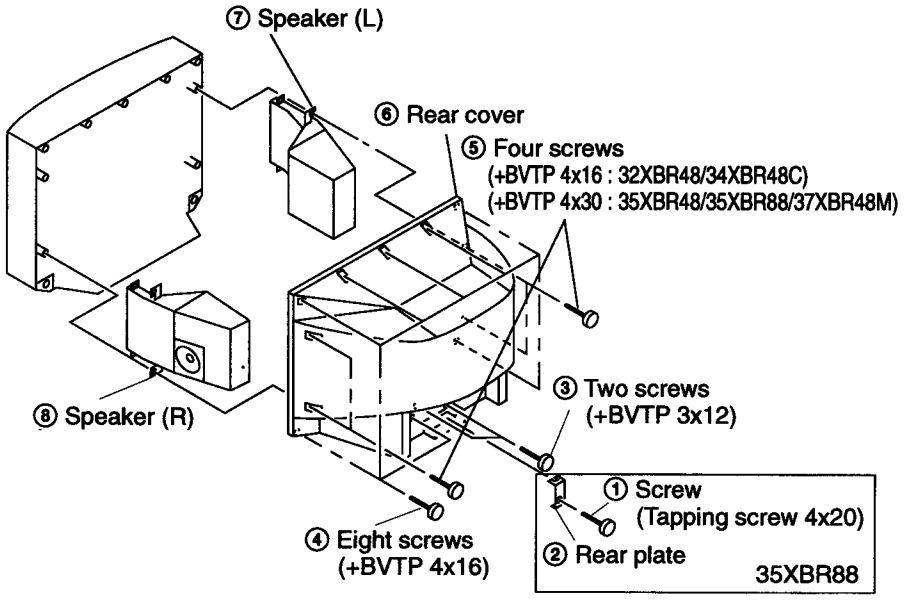
**To reset the TV to factory settings**

- First, turn the TV on Then, while pressing the RESET button on the remote control, press the POWER button on the TV The TV will turn itself off, then back on When the TV turns on again, all settings will be reset, and the EASY SETUP GUIDE will appear.

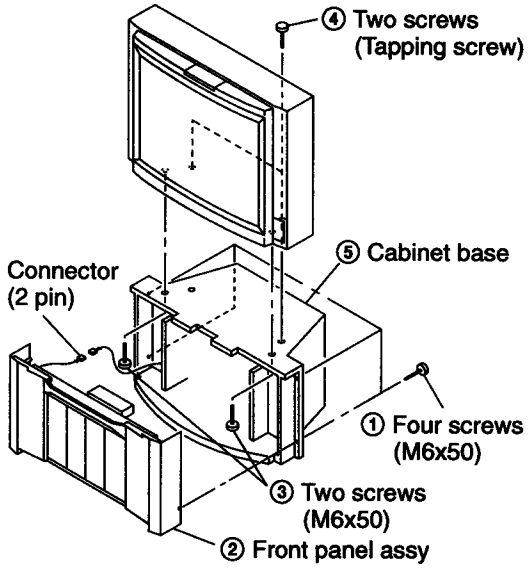
36

# SECTION 2
# DISASSEMBLY

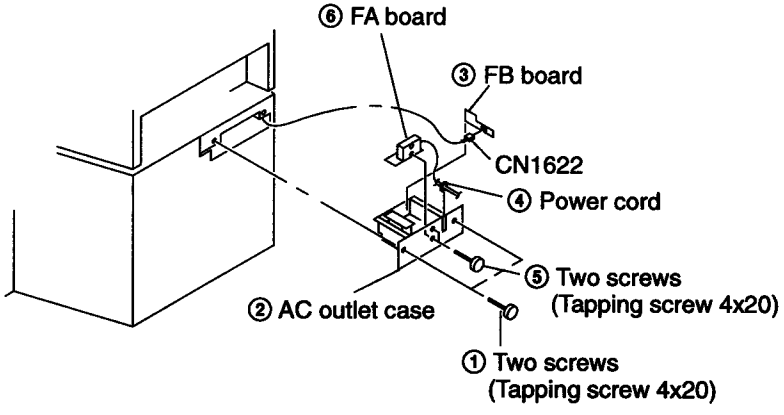
## 2-1. REAR COVER AND SPEAKER REMOVAL



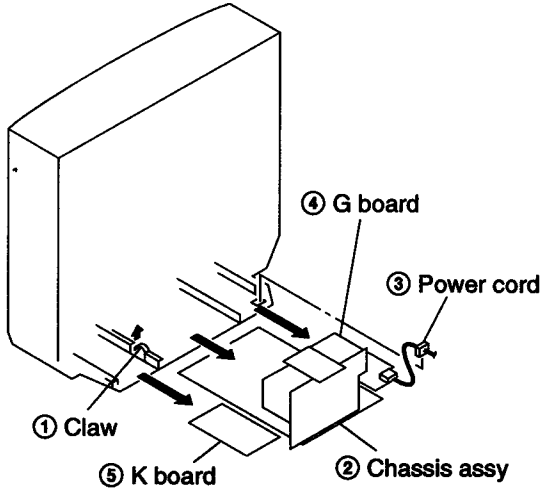

## 2-2-1. CABINET BASE REMOVAL (KV-35XBR88)



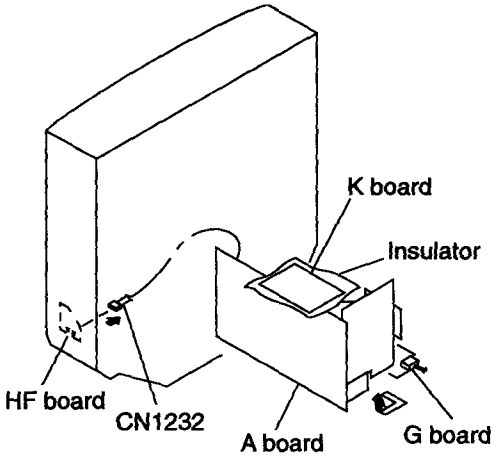

## 2-2-2. FA AND FB BOARDS REMOVAL (KV-35XBR88)



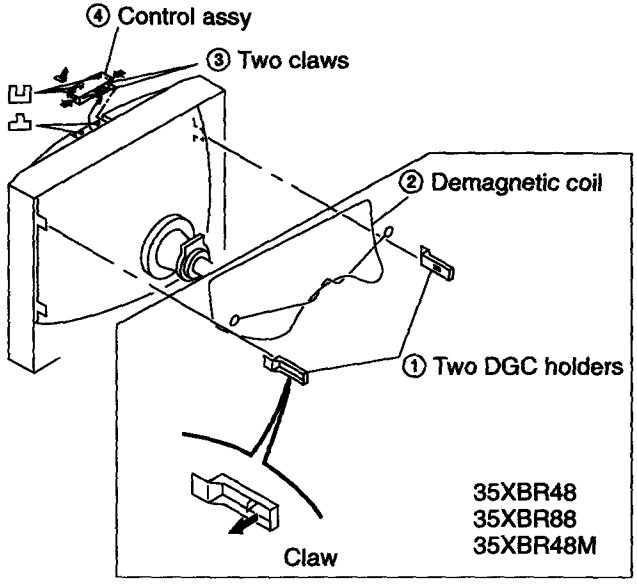

## 2-3. CHASSIS ASSY REMOVAL



## 2-4. SERVICE POSITION

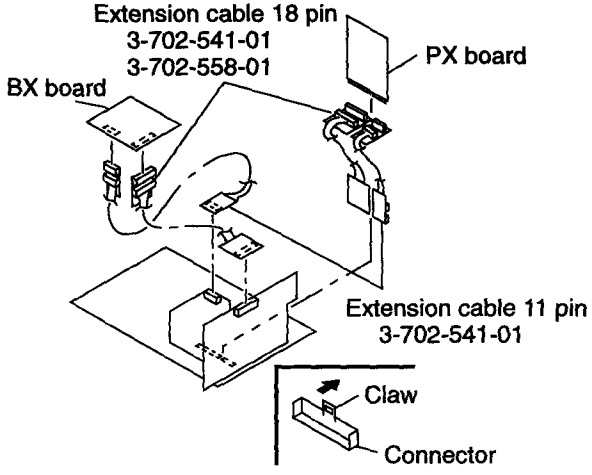



## 2-5. CONTROL ASSY REMOVAL





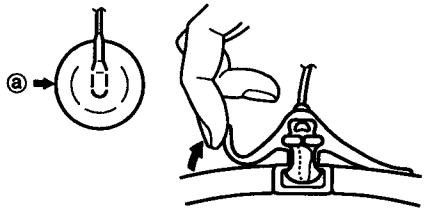

## 2-6. EXTENSION CABLE



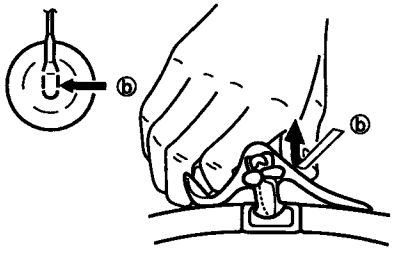
## • REMOVAL OF ANODE-CAP

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.

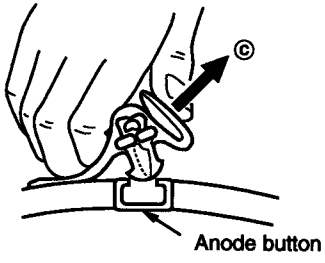
### •REMOVING PROCEDURES




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 ⓑ.



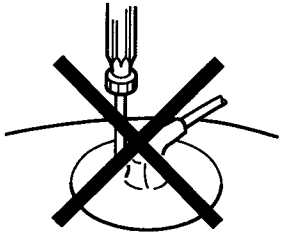

③ When one side of the rubber cap is separated from the anode button, the anode-cap can be romoved by turning up the rubber cap and pulling up it in the direction of the arrow ⓒ.

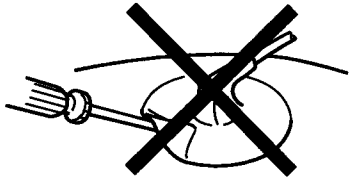
### •HOW TO HANDLE AN ANODE-CAP

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.

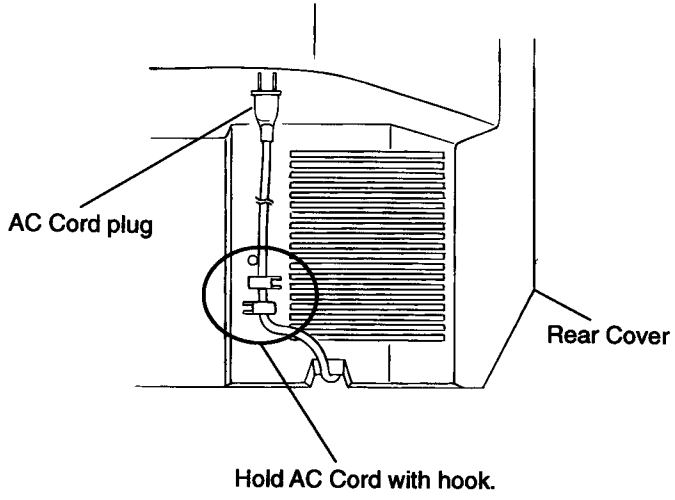
③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





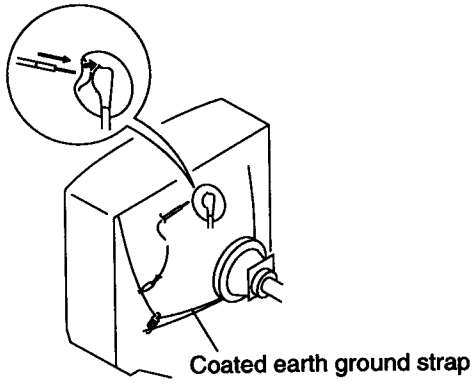
CAUTION

Be sure to attach AC Cord to Rear Cover with the hook in the following way for after service.
Then check if the AC cord is proteced against being pressed under the set.

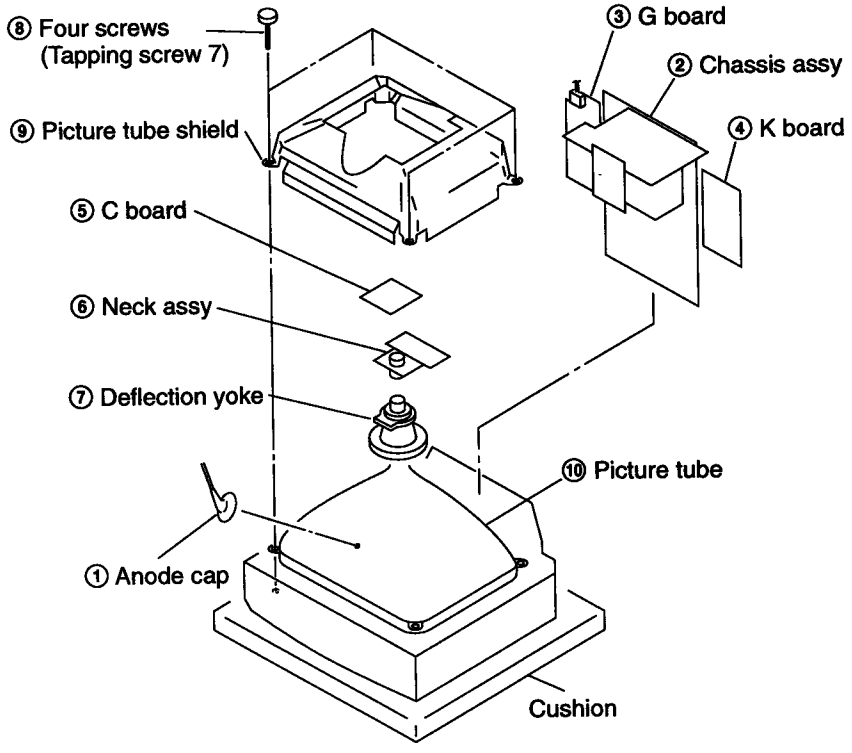


## 2-7. PICTURE TUBE REMOVAL

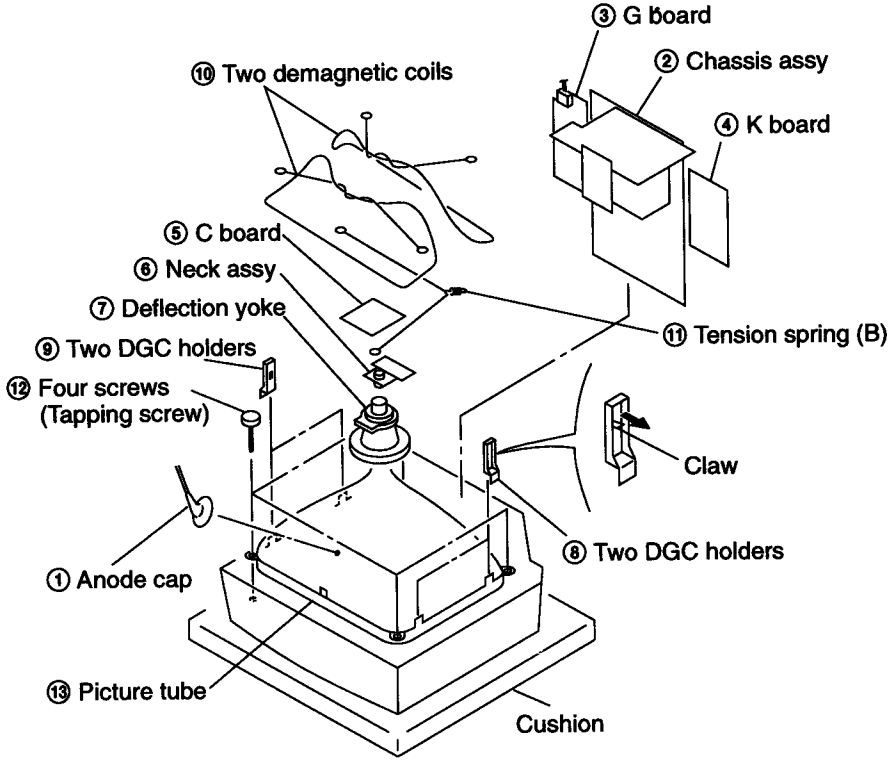
WARNING
Before removing anode cap H.V remains
in the CRT even after the power is disconnected.
To avoid electrical shock, before attempting to
remove the anode cap, discharge CRT : short between
anode and CRT coated earth ground strap.



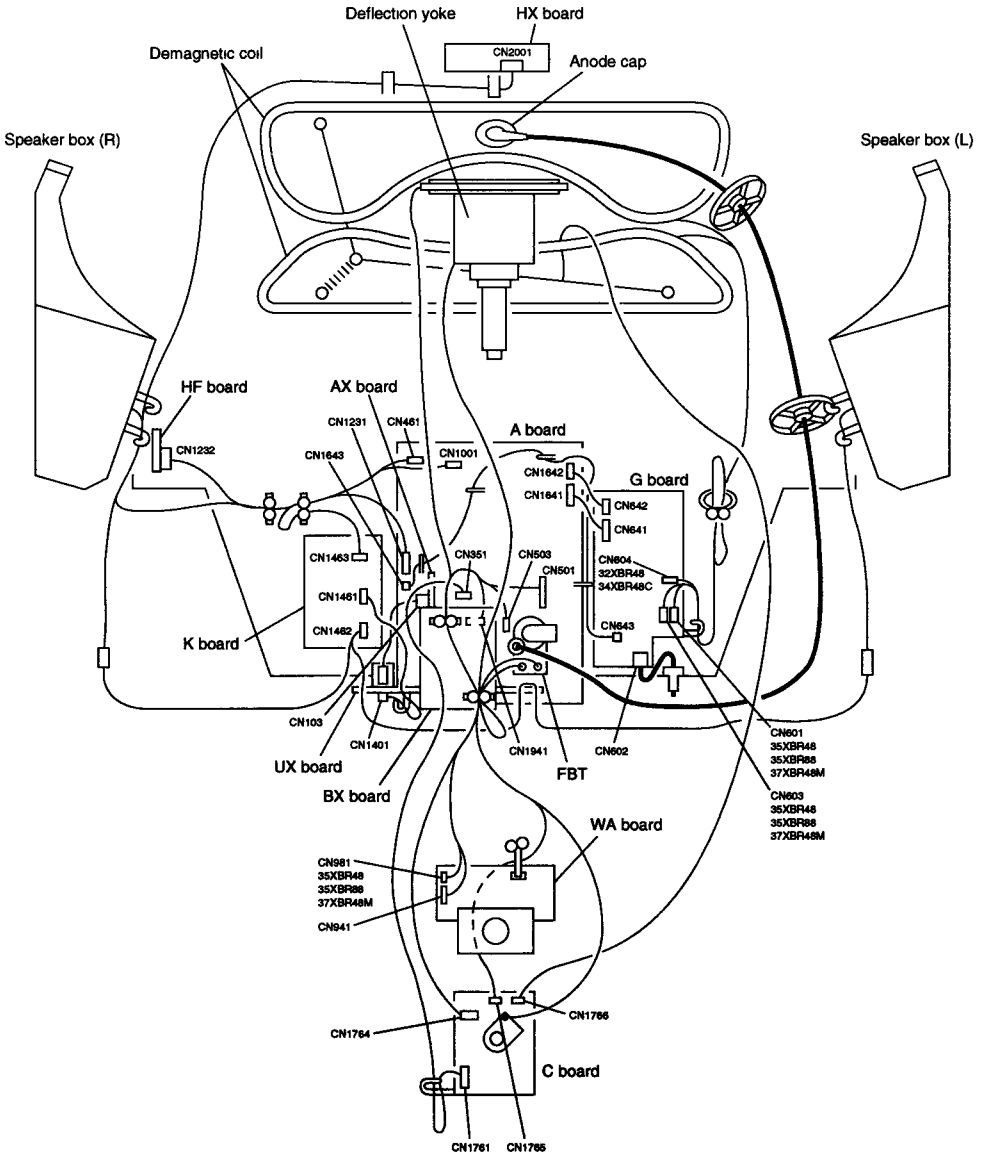

### (1) KV-32XBR48/34XBR48C



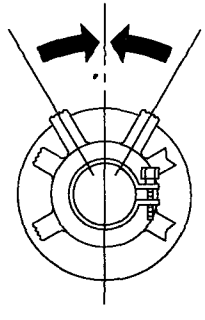
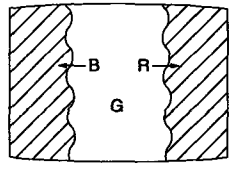
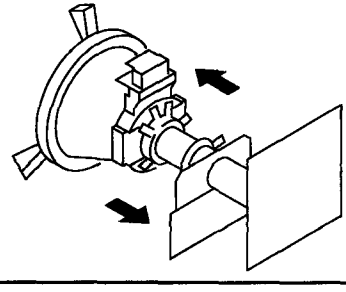

### (2) KV-35XBR48/35XBR88/37XBR48M

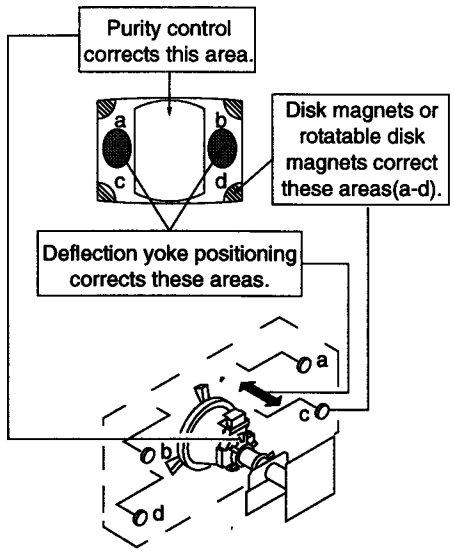


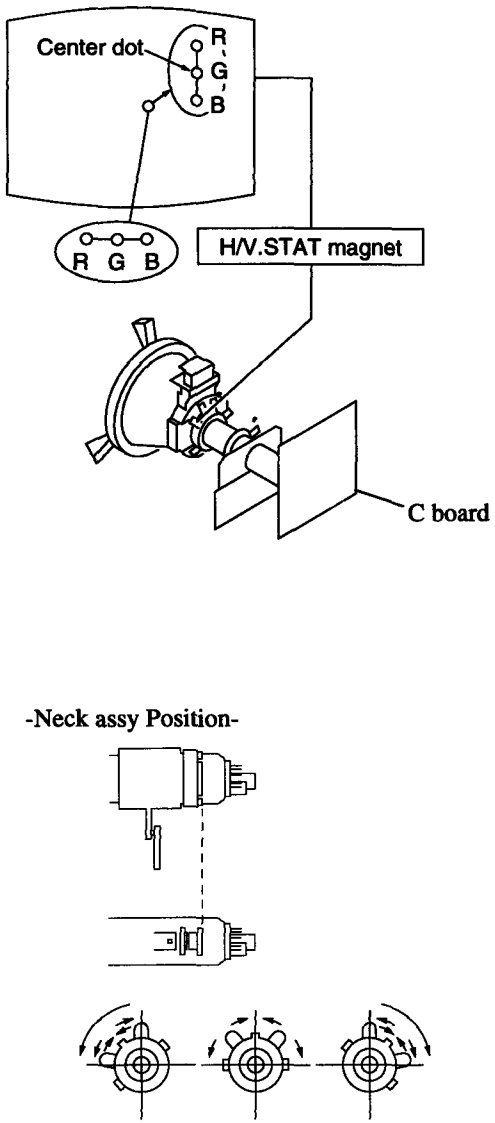
# 2-8. WIRE DRESSING

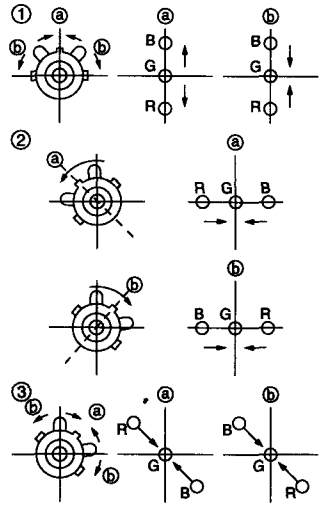
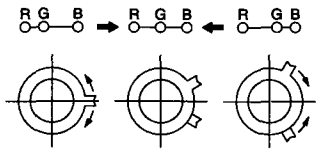
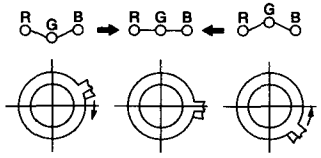
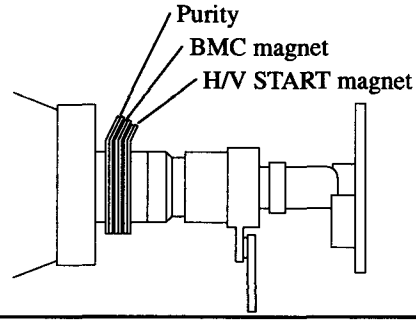


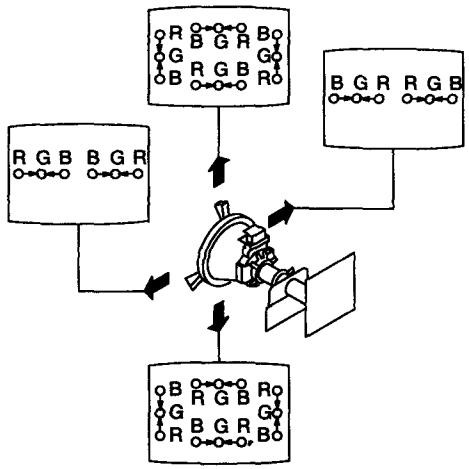
# SECTION 3
# SET-UP ADJUSTMENTS

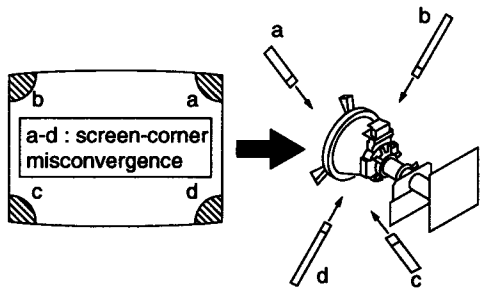
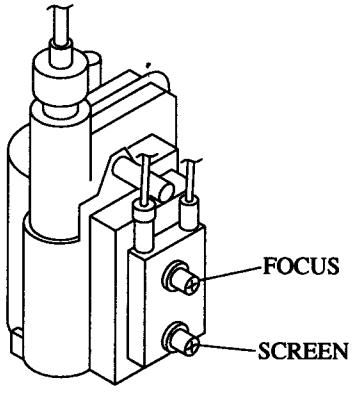
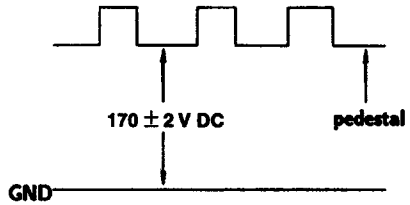
| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| ● The following adjustments should be made when a complete realignment is required or a new picture tube is installed.<br>● These adjustments should be performed with rated power supply voltage unless otherwise noted.<br><br>The controls and switch should be set as follows unless otherwise noted :<br>VIDEO MODE : STANDARD<br>PICTURE control..... normal<br>BRIGHTNESS control..... normal<br>**Preparation:**<br>● Feed in the white pattern signal.<br><br>(1) In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.<br><br>Note:Please do not use the hand degausser, because the hand degausser efects a spot on a CRT and magnetizes CRT around. | Color bar Pattern Generator | | | Purity control<br>  |
| **BEAM LANDING**<br>1. Input a *raster signal with the pattern generator.<br>2. Loosen the deflection yoke mounting screw, and set the *purity control to the center.<br>3. Turn the *raster signal of the pattern generator to green.<br>4. Move the *deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are at the sides evenly.<br>5. Move the deflection yoke forward, and adjust so that the entire screen becomes green. | *White Pattern<br><br>*Green Pattern | | *Purity Control<br><br>*Deflection Yoke |  <br>  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| 6. Switch over the raster signal to red and blue and confirm the condition.<br>7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.<br>8. When landing at the corner is not right, adjust by using the *disk magnets. | | | *Disk Magnets |  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **CONVERGENCE**<br>**Preparation:**<br>● Before starting, perform FOCUS, V. LIN and V. SIZE adjustments.<br>● Set BRIGHTNESS control to minimum.<br>● Feed in *signal.<br>**(1) Horizontal and Vertical Static Convergence Adjustment**<br>1. Adjust *magnet to convergence red, green and blue dots in the center of the screen. (Vertical movement)<br>●Tilt the *magnet and adjust static convergence to open or close the *magnet. | *Dot Pattern | | *H/V. STAT Magnet<br>*V. STAT Magnet |  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| 2. When the *magnet is moved in the direction of arrow ⓐ and ⓑ, red, green and blue dots move as shown below. | | | *V. STAT Magnet |  |
| ● Operation of *Magnet | | | *BMC Magnet |  |
| ● The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.<br>Use the V STAT tabs to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction). | | | |  |
| ● Y separation axis correction magnet adjustment<br>1. Receive a *signal, and adjust *PICTURE and BRIGHTNESS.<br>2. Adjust the deflection yoke to the upright condition when it hits the CRT.<br>3. Adjust so that the Y separation Axis correction magnet on the neck assembly is symmetrical at the top and bottom (open state).<br>4. Return the deflection yoke to its original position. | *Cross-hatch Pattern | | *PICTURE<br>..... minimum<br>BRIGHTNESS<br>..... normal |  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **(2) Dynamic Convergence Adjustment**<br>**Preparation:**<br>● Before starting perform Horizontal and Vertical static convergence Adjustment.<br>1. Slightly loosen deflection yoke screw.<br>2. Remove deflection yoke spacers.<br>3. Move the *deflection yoke for best convergence as shown below.<br>4. Tighten the deflection yoke screw.<br>5. Install the deflection yoke spacers. | | | *Deflection Yoke |  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **(3) Screen-corner Convergence Adjustment**<br><br>a–b : screen-corner misconvergence<br><br>Affix a Permalloy ass'y corresponding to the misconverged areas | | | *SCREEN control (On FBT Ass'y)<br><br>Permalloy Ass'y |  <br>Permalloy assembly |
| **FOCUS**<br>Adjust *FOCUS control for best picture. | | | *FOCUS control (On FBT Ass'y) |  <br>FBT |
| **SCREEN (G2)**<br>1. Input a *signal.<br>2. Adjust *PICTURE, BRIGHTNESS controls.<br>3. Adjust S BRT, G CUT, B CUT in service mode so that voltages on the red, green and blue *cathodes are *Voltage with an oscilloscope.<br>4. Observe the screen and adjust *SCREEN (G2)VR On FBT (Flyback transformer ass'y) to obtain the faintly visible background of dot signal. | *Dot pattern<br><br>Oscilloscope | *cathodes | *PICTURE ..... normal<br>*BRIGHTNESS ..... normal<br>*S BRT<br>*G CUT<br>*B CUT<br><br>*SCREEN (G2) (On FBT Assy) | *170 ± 2 V DC<br>  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|

## WHITE BALANCE ADJUSTMENTS

| | Disp. | Item | Ave. Data | |
|---|---|---|---|---|
| | | | 32"/34" | 35"/37" |
| VP | GDRV | Green Drive | 38 | 37 |
| | BDRV | Blue Drive | 36 | 33 |
| | GCUT | Green Cut-off | 12 | 11 |
| | BCUT | Blue Cut-off | 10 | 9 |
| | SBRT | Sub Bright | 28 | 24 |

1. Input a *signal.
2. Set to service adjustment mode.
3. Set the PICTURE and BRIGHTNESS to *adjustment.
4. Adjust with *S BRT if necessary.
5. Select *G CUT and *B CUT with [1] and [4] .
6. Adjust with [3] and [6] for the best white balance.
7. Set the *PICTURE and BRIGHTNESS to *adjustment.
8. Select *G AMP and B AMP with [1] and [4] .
9. Adjust with [3] and [6] for the best white balance.
10. Write into the memory by pressing [MUTING] then [ENTER] .

*Entire White Pattern

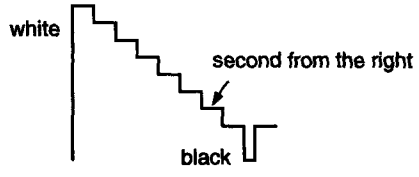
*PICTURE
..... minimum
BRIGHTNESS
..... minimum
*S BRT
*G CUT
*B CUT
*PICTURE
..... maximum
BRIGHTNESS
..... maximum
*G AMP
B AMP

## SUB BRIGHT ADJUSTMENT

1. Set to service adjustment mode.
2. Input a *signal.
3. Select SBRT with [1] and [4] , and adjust SUB BRIGHT level with [3] and [6] so that the stripe second from the right is dimly lit.
4. Write into the memory by pressing [MUTING] then [ENTER] .

*Grey scale pattern

*PICTURE
..... minimum
BRIGHTNESS
..... normal
SBRT



# ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

Use of Remote Commander (RM-Y144) can be performed circuit adjustments about this model.

**NOTE : Test Equipment Required.**

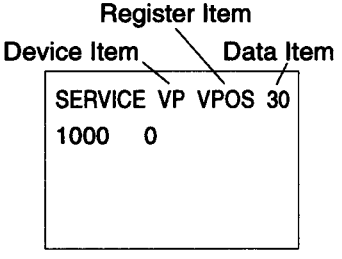
1. Pattern Generator
2. Frequency counter
3. Digital multimeter
4. Audio OSC

## 1. METHOD OF SETTING THE SERVICE ADJUSTMENT MODE

SERVICE MODE PROCEDURE

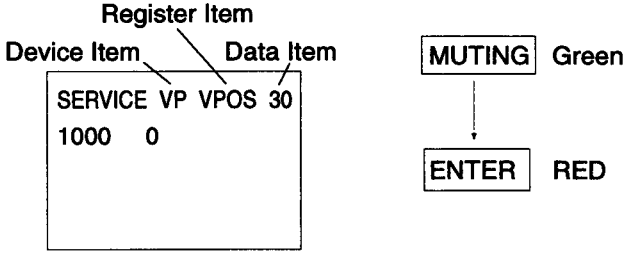
1. Standby mode. (Power off)
2. [DISPLAY] → [5] → [VOL (+)] → [POWER] on the Remote Commander. (Press each button within a second.)

SERVICE ADJUSTMENT MODE IN




3. The CRT displays the item Being adjusted.
4. Press [2] or [5] on the Remote Commander to select the device item.
5. Press [1] or [4] on the Remote Commander to select the item.
6. Press [3] or [6] on the Remote Commander to change the data.
7. If you want to recover the latest values press [0] then [ENTER] to lead the memory.
8. Press [MUTING] then [ENTER] to write into memory.

SERVICE ADJUSTMENT MODE MEMORY

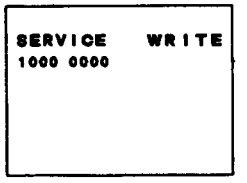



[MUTING] Green

↓

[ENTER] RED

8. Press [8] then [ENTER] on the Remote Commander to reset.




Carry out step 8) when adjusting IDs 0 to 4 and when replacing and adjusting IC102.

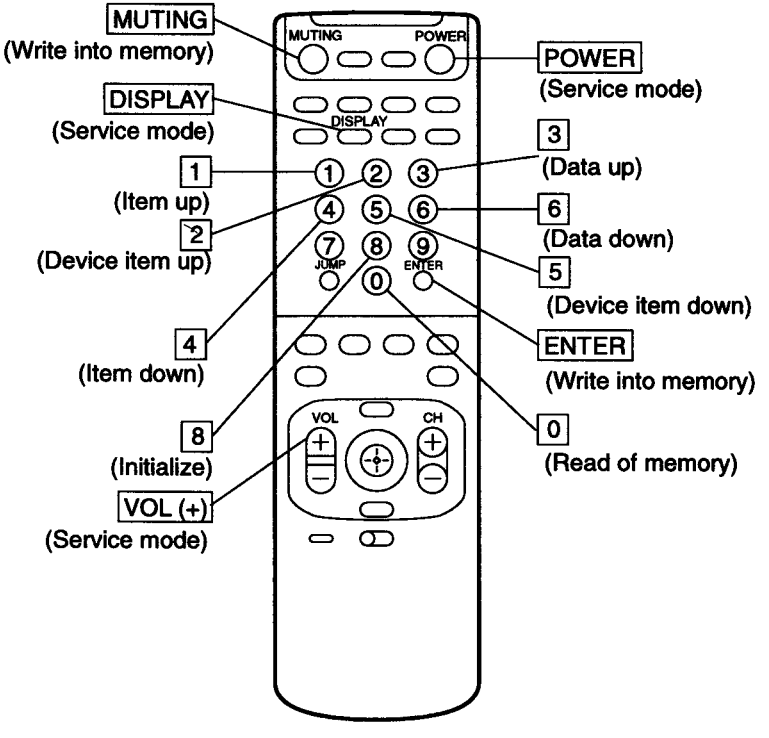
Factory original setting

9. Turn set off and on to exit.

## 2. MEMORY WRITE CONFIRMATION METHOD

1. After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
2. Turn the power switch ON and set to Service Mode.
3. Call the adjusted items again, confirm they were adjusted.

## 3. ADJUST BUTTONS AND INDICATOR



## SERVICE DATA

| | Discriptions | Device | Resistor Name | Data Length | Initial Data | Avarage Data | | Comment |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 32"/34" | 35"/37" | |
| VP | VPOS | CXA2025S | V-Position | 0-63 | 20 | 23 | 12 | Adjust |
| | VSIZ | | V-Size | 0-63 | 20 | 34 | 37 | Adjust |
| | VCOM | | V-Compensation | 0-3 | 1 | 1 | 1 | Adjust |
| | VLIN | | V-Linearity | 0-15 | 7 | 8 | 7 | Adjust |
| | VSCO | | S-Correcttion | 0-15 | 7 | 7 | 7 | Adjust |
| | HPOS | | H-Position | 0-15 | 7 | 10 | 12 | Adjust |
| | HSIZ | | H-Size | 0-63 | 20 | 36 | 36 | Adjust |
| | PAMP | | PIN-Compensation | 0-63 | 31 | 28 | 27 | Adjust |
| | UPIN | | Upper-CornerPin | 0-15 | 7 | 7 | 7 | Adjust |
| | LPIN | | Lower-CornerPin | 0-15 | 7 | 7 | 7 | Adjust |
| | PPHA | | Pin-Phase | 0-15 | 7 | 5 | 5 | Adjust |
| | AFC | | AFC | 0-3 | 2 | 2 | 2 | Adjust |
| | VBOW | | AFC-Bow | 0-15 | 7 | 5 | 6 | Adjust |
| | VANG | | AFC-Angle | 0-15 | 7 | 8 | 7 | Adjust |
| | REF | | Reference-Position | 0-3 | 2 | 1 | 2 | Adjust |
| | GDRV | | Green-Drive | 0-63 | 31 | 38 | 37 | Adjust |
| | BDRV | | Blue-Drive | 0-63 | 31 | 36 | 33 | Adjust |
| | GCUT | | Green-Cutoff | 0-15 | 7 | 12 | 11 | Adjust |
| | BCUT | | Blue-Cutoff | 0-15 | 7 | 10 | 9 | Adjust |
| | SCON | | Sub-Contrast | 0-15 | 7 | 9 | 10 | Adjust |
| | SHUE | | Sub-Hue | 0-15 | 7 | 4 | 2 | Adjust |
| | SCOL | | Sub-Color | 0-15 | 7 | 6 | 6 | Adjust |
| | SBRT | | Sub-Brightness | 0-63 | 31 | 28 | 24 | Adjust |
| | SSHP | | Sub-Sharpness | 0-15 | 7 | 7 | 7 | Adjust |
| | CDM2 | | Countdown Mode 2 | 0-1 | 1 | 1 | 0 | Adjust |
| | DPIX | | Dynamic-Picture | 0, 1 | 1 | 1 | 1 | Adjust |
| | Y-DC | | DC-Transmission | 0, 1 | 1 | 1 | 1 | Adjust |
| | ABLM | | ABL | 0, 1 | 1 | 1 | 1 | Adjust |
| | NOTC | | Chroma Trap | 0, 1 | 0 | 0 | 0 | Adjust |
| | CROM | | Chroma Trap-Adjust | 0-15 | 7 | 7 | 7 | Adjust |
| | TOT | | TOT-Filter | 0, 1 | 1 | 1 | 1 | Adjust |
| | PREL | | Pre/Over-Shoot | 0-3 | 3 | 0 | 0 | Adjust |
| | SHPF | | Sharpness-f0 | 0-3 | 2 | 2 | 2 | Adjust |
| | RON | | Red-Off | 0, 1 | 1 | 1 | 1 | Adjust |
| | GON | | Green-Off | 0, 1 | 1 | 1 | 1 | Adjust |
| | BON | | Blue-Off | 0 , 1 | 1 | 1 | 1 | Adjust |
| | CDMD | | V-Countdown | 0, 1 | 0 | 0 | 0 | Adjust |
| | HBSW | | H Blanking Switch | 0, 1 | 1 | 0 | 0 | Adjust |
| | LBLK | | Left Blanking | 0-15 | 2 | 7 | 7 | Adjust |
| | RBLK | | Right Blanking | 0-15 | 7 | 7 | 7 | Adjust |
| AP | SVOL | BH3856FS | Sub-Volume | 0-15 | 0 | 0 | 0 | Adjust |
| | SBAL | | Sub-Balance | 0-15 | 7 | 7 | 7 | Adjust |

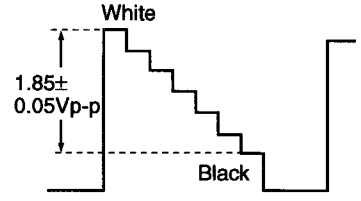
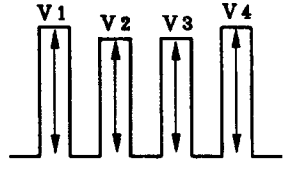
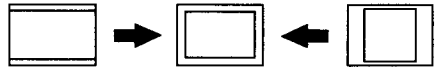
| | Discriptions | Device | Resistor Name | Data Length | Initial Data | Avarage Data | | Comment |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 32″/34″ | 35″/37″ | |
| | SBAS | | Sub-Bass | 0-15 | 7 | 4 | 7 | Adjust |
| | STRE | | Sub-Treble | 0-15 | 7 | 9 | 7 | Adjust |
| 3D | CGAN | µPD6488 | CGAIN | 0, 1 | 1 | 1 | 1 | Adjust |
| | AVAP | | AVAPON | 0, 1 | 1 | 1 | 1 | Adjust |
| | MS | | MS0/MS1 | 0-2 | 0 | 0 | 0 | Adjust |
| | YDLL | | YDELAY-L | 0-7 | 2 | 2 | 2 | Adjust |
| | HRD8 | | HRD08 | 0, 1 | 0 | 0 | 0 | Adjust |
| | HRD7 | | HRD00-07 | 0-255 | 12 | 12 | 12 | Adjust |
| | DYCO | | DYCOR | 0-15 | 5 | 5 | 5 | Adjust |
| | DYGA | | DYGAIN | 0-15 | 8 | 8 | 8 | Adjust |
| | DCCO | | DCCO | 0-15 | 3 | 3 | 3 | Adjust |
| | DCCG | | DCGAIN | 0-15 | 7 | 7 | 7 | Adjust |
| | VTR0 | | VTR0/VTR1 | 0-2 | 0 | 0 | 0 | Adjust |
| | VTRH | | VTRH | 0-2 | 2 | 2 | 2 | Adjust |
| | VTRR | | VTRR | 0-15 | 7 | 7 | 7 | Adjust |
| | SELJ | | SELJ | 0, 1 | 1 | 1 | 1 | Adjust |
| | HSDR | | HSDR | 0-15 | 7 | 7 | 7 | Adjust |
| | WSCO | | WSCOR | 0-15 | 15 | 15 | 15 | Adjust |
| | LSDR | | LDSREF | 0-15 | 7 | 7 | 7 | Adjust |
| | WSD1 | | WSDR1 | 0-15 | 15 | 15 | 15 | Adjust |
| | WSD2 | | WSDR2 | 0-15 | 15 | 15 | 15 | Adjust |
| | VAPG | | VAPGAIN | 0-7 | 4 | 4 | 4 | Adjust |
| | VAPI | | VAPINV | 0-31 | 15 | 15 | 15 | Adjust |
| | MOTE | | MDTES | 0, 1 | 0 | 0 | 0 | Adjust |
| | YTM8 | | YTM87 | 0, 1 | 0 | 0 | 0 | Adjust |
| | DYTR | | DYTRAP | 0, 1 | 1 | 1 | 1 | Adjust |
| | VHG | | VHG | 0-3 | 3 | 3 | 3 | Adjust |
| | YH87 | | YH87 | 0, 1 | 0 | 0 | 0 | Adjust |
| | YSG | | YSG | 0, 1 | 1 | 1 | 1 | Adjust |
| | YTG | | YTG | 0-3 | 1 | 1 | 3 | Adjust |
| | VTMR | | VTMREF | 0-15 | 12 | 12 | 12 | Adjust |
| | VHRE | | VHREF | 0-15 | 11 | 11 | 11 | Adjust |
| | YT1R | | YT1REF | 0-15 | 2 | 2 | 2 | Adjust |
| | CT2Y | | CT2YT | 0, 1 | 0 | 0 | 0 | Adjust |
| | CTG | | CTG | 0-3 | 1 | 1 | 1 | Adjust |
| | CTMR | | CTMREF | 0-15 | 10 | 10 | 10 | Adjust |
| | CT2R | | CT2REF | 0-15 | 10 | 10 | 10 | Adjust |
| | CT1R | | CT1REF | 0-15 | 7 | 7 | 7 | Adjust |
| PI | SHPR | TA1226N | Sharpness | 0-127 | 59 | 59 | 59 | Adjust |
| | SRTS | | SRT Start Position | 0, 1 | 3 | 3 | 3 | Adjust |
| | GIRE | | Gamma Start Point | 0-3 | 3 | 3 | 3 | Adjust |
| | GCUR | | Gamma Curve | 0, 1 | 0 | 0 | 0 | Adjust |
| | RS | | RS | 0-7 | 0 | 0 | 0 | Adjust |
| | RTC | | RTC | 0-7 | 4 | 4 | 4 | Adjust |

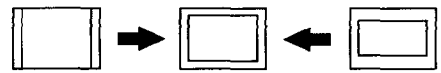
| | Discriptions | Device | Resistor Name | Data Length | Initial Data | Avarage Data | | Comment |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 32"/34" | 35"/37" | |
| PP | SMT6 | SAB9076 | SMART6 | 0, 1 | 1 | 1 | 1 | Adjust |
| | SKIP6 | | SKIP6 | 0, 1 | 0 | 0 | 0 | Adjust |
| | BGHP | | BGhfp | 0-15 | 9 | 7 | 6 | Adjust |
| | BGVP | | BGvfp | 0-15 | 8 | 8 | 6 | Adjust |
| | MAHP | | MAhfp | 0-15 | 7 | 6 | 5 | Adjust |
| | MAVP | | MAvfp | 0-255 | 24 | 24 | 24 | Adjust |
| | SAHP | | SAhfp | 0-15 | 3 | 3 | 3 | Adjust |
| | SAVP | | SAvfp | 0-255 | 24 | 24 | 24 | Adjust |
| | VPED | | PedestV | 0-15 | 0 | 14 | 0 | Adjust |
| | UPED | | PedestU | 0-15 | 0 | 14 | 0 | Adjust |
| | MDEC | | 16h , bit0-4 | 0-32 | 18 | 18 | 18 | Adjust |
| | SDEC | | 15h , bit0-4 | 0-32 | 16 | 16 | 16 | Adjust |
| | DISS | | 17h , bit0-7 | 0-126 | 2 | 2 | 2 | Adjust |
| | BSIZ | | --- | 0-255 | 34 | 34 | 34 | Adjust |
| | POFH | | --- | 0-15 | 11 | 11 | 11 | Adjust |
| | POFV | | --- | 0-15 | 6 | 6 | 6 | Adjust |
| | DHPS | | Display H Position Start | 0-15 | 3 | 3 | 3 | Adjust |
| | P&PV | | SDhfp , MDhfp under P&P | 0-255 | 62 | 62 | 62 | Adjust |
| | BBR0 | | --- | 0-3 | 1 | 1 | 1 | Adjust |
| | BCL0 | | --- | 0-7 | 7 | 7 | 7 | Adjust |
| | BBR2 | | --- | 0-3 | 2 | 2 | 2 | Adjust |
| | BCL2 | | --- | 0-7 | 6 | 6 | 6 | Adjust |
| | BBR3 | | --- | 0-3 | 0 | 0 | 0 | Adjust |
| | BCL3 | | --- | 0-7 | 7 | 7 | 7 | Adjust |
| MC | MHUE | CXA2019 | HUE | 0-63 | 26 | 26 | 26 | Adjust |
| | MCOL | | COLOR | 0-63 | 38 | 35 | 35 | Adjust |
| | MSCO | | SUB CONT | 0-15 | 7 | 7 | 6 | Adjust |
| | MSCL | | SUB COLOR | 0-15 | 7 | 7 | 5 | Adjust |
| | MSHU | | SUB HUE | 0-15 | 7 | 7 | 9 | Adjust |
| | MTOT | | TOT ON | 0, 1 | 1 | 1 | 1 | Adjust |
| | MTRP | | TRAP ON | 0, 1 | 0 | 0 | 0 | Adjust |
| | MTRA | | CTRAPADJ | 0-15 | 7 | 7 | 7 | Adjust |
| | MCD2 | | CD MODE2 | 0, 1 | 1 | 1 | 1 | Adjust |
| | MFSC | | FSC OUT | 0, 1 | 1 | 1 | 1 | Adjust |
| | MYDR | | Y DRIVE | 0-31 | 24 | 22 | 22 | Adjust |
| | MVPE | | V PED | 0-15 | 7 | 7 | 8 | Adjust |
| | MUPE | | U PED | 0-15 | 7 | 7 | 6 | Adjust |
| | MRVP | | RV PED | 0-15 | 7 | 7 | 7 | Adjust |
| | MRUP | | RU PED | 0-15 | 7 | 7 | 7 | Adjust |
| | MDCT | | DC TRAN | 0-7 | 0 | 0 | 0 | Adjust |
| | MRYD | | RY DRIVE | 0-31 | 31 | 31 | 31 | Adjust |
| | MPRE | | PRE OVER | 0-3 | 0 | 0 | 0 | Adjust |
| | MRUD | | RU DRIVE | 0-31 | 15 | 15 | 15 | Adjust |

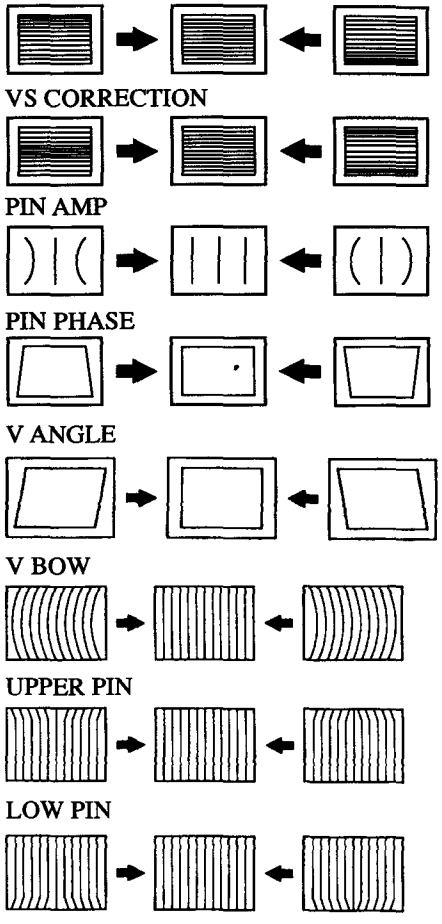
| | Discriptions | Device | Resistor Name | Data Length | Initial Data | Avarage Data | | Comment |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 32"/34" | 35"/37" | |
| | MRVD | | RV DRIVE | 0-31 | 15 | 15 | 15 | Adjust |
| | MDLY | | DELAY | 0-3 | 0 | 0 | 0 | Adjust |
| | MSCR | | SCP BGR | 0-3 | 1 | 1 | 1 | Adjust |
| | MSCF | | SCP BGF | 0-3 | 1 | 1 | 1 | Adjust |
| IC | ICYC | CXA2019 | CV/YC | 0, 1 | 1 | 1 | 1 | Adjust |
| | IHUE | | HUE | 0-63 | 24 | 24 | 24 | Adjust |
| | ICOL | | COLOR | 0-63 | 38 | 37 | 37 | Adjust |
| | ISCO | | SUB CONT | 0-15 | 7 | 6 | 5 | Adjust |
| | ISCL | | SUB COLOR | 0-15 | 7 | 7 | 4 | Adjust |
| | ISHU | | SUB HUE | 0-15 | 7 | 7 | 9 | Adjust |
| | ITOT | | TOT ON | 0, 1 | 1 | 1 | 1 | Adjust |
| | ITRP | | TRAP ON | 0, 1 | 0 | 0 | 0 | Adjust |
| | ITRA | | CTRAPADJ | 0-15 | 7 | 7 | 7 | Adjust |
| | ICD2 | | CD MODE2 | 0, 1 | 1 | 1 | 1 | Adjust |
| | IYDR | | Y DRIVE | 0-31 | 26 | 24 | 24 | Adjust |
| | IVPE | | V PED | 0-15 | 7 | 7 | 7 | Adjust |
| | IUPE | | U PED | 0-15 | 7 | 7 | 5 | Adjust |
| | IRVP | | RV PED | 0-15 | 7 | 7 | 7 | Adjust |
| | IRUP | | RU PED | 0-15 | 7 | 7 | 7 | Adjust |
| | IDCT | | DC TRAN | 0-7 | 0 | 0 | 0 | Adjust |
| | IRYD | | RY DRIVE | 0-31 | 31 | 31 | 31 | Adjust |
| | IPRE | | PRE OVER | 0-3 | 0 | 0 | 0 | Adjust |
| | IRUD | | RU DRIVE | 0-31 | 15 | 15 | 15 | Adjust |
| | IRVD | | RV DRIVE | 0-31 | 15 | 15 | 15 | Adjust |
| | IDLY | | DELAY | 0-3 | 0 | 0 | 0 | Adjust |
| | ISCR | | SCP BGR | 0-3 | 1 | 1 | 1 | Adjust |
| | ISCF | | SCP BGF | 0-3 | 1 | 1 | 1 | Adjust |
| DA | RTCO | CXA1315 | DAC0 (Rotation Coil) | 0-63 | 32 | 32 | 32 | Adjust |
| | 2HUE | | DAC1 (CXA2039 Hue) | 0-63 | 32 | (24) | 32 | Adjust |
| | 2COL | | DAC2 (CXA2039 COL) | 0-63 | 32 | (31) | 32 | Adjust |
| CC | CRIH | CXP85856A-001S | | 0-15 | 9 | 9 | 9 | Fixed Value Only |
| | CRIL | | | 0-15 | 2 | 2 | 2 | Fixed Value Only |
| | CFLD | | | 0-15 | 5 | 5 | 5 | Fixed Value Only |
| | CCDI | | | 0-7 | 3 | 3 | 3 | Fixed Value Only |
| | CRIP | | | 0-7 | 4 | 4 | 4 | Fixed Value Only |
| | CRIT | | | 0-3 | 1 | 1 | 2 | Fixed Value Only |
| | CSB1 | | | 0-3 | 3 | 3 | 3 | Fixed Value Only |
| | CSB2 | | | 0-7 | 4 | 4 | 4 | Fixed Value Only |
| | CCBD | | | 0-15 | 4 | 4 | 4 | Fixed Value Only |
| | CCFD | | | 0-63 | 7 | 7 | 7 | Fixed Value Only |
| | CREP | | | 0-256 | 142 | 142 | 142 | Fixed Value Only |
| | CSEP | | | 0-256 | 186 | 186 | 186 | Fixed Value Only |
| | CRBD | | | 0-15 | 8 | 8 | 8 | Fixed Value Only |

| | Discriptions | Device | Resistor Name | Data Length | Initial Data | Avarage Data | | Comment |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 32″/34″ | 35″/37″ | |
| | CRFD | | | 0-15 | 9 | 9 | 9 | Fixed Value Only |
| | CSSD | | | 0-15 | 3 | 3 | 3 | Fixed Value Only |
| | CSED | | | 0-15 | 9 | 9 | 9 | Fixed Value Only |
| | CSBS | | | 0-31 | 12 | 12 | 12 | Fixed Value Only |
| | CDSD | | | 0-31 | 8 | 8 | 8 | Fixed Value Only |
| | CCDS | | | 0-31 | 9 | 9 | 9 | Fixed Value Only |
| | CHMK | | | 0-63 | 42 | 42 | 42 | Fixed Value Only |
| | CHSY | | | 0-255 | 136 | 136 | 136 | Fixed Value Only |
| OP | DISP | CXP85856A-001S | OSD Position | 0-63 | 1 | (38) | 23 | 0 : Not Available , 1 : Left , 63 : Right |
| | PDPS | | PIP Display Position Start | 0-63 | 1 | (35) | 36 | 0 : Not Available , 1 : Left , 63 : Right |
| | PDP0 | | PIP Display Position 0 | 0-3 | 0 | (1) | 1 | Shift to Right by 1 font |
| | PDP1 | | PIP Display Position 1 | 0-7 | 0 | (4) | 4 | Shift to Right by 1 font |
| | PDP2 | | PIP Display Position 2 | 0-7 | 0 | (4) | 4 | Shift to Right by 1 font |
| | KILS | | Color Killer SW | 0, 1 | 1 | 1 | 1 | 0 : Not Available , 1 : Available |
| ID | ID-0 | ID | ID-0 | 0-255 | 25 | 25 | 25 | fix |
| | ID-1 | | ID-1 | 0-255 | 63 | 63 | 63 | fix |
| | ID-2 | | ID-2 | 0-255 | 47 | 47 | 47 | fix |
| | ID-3 | | ID-3 | 0-255 | 0 | 0 | 0 | fix |
| | ID-4 | | ID-4 | 0-255 | 155 | 155 | 155 | 32″/34″ : 27, 35″/37″ : 155 |
| | ID-5 | | ID-5 | 0-255 | 143 | 143 | 143 | fix |
| | ID-6 | | ID-6 | 0-255 | 6 | 6 | 6 | fix |
| | ID-7 | | ID-7 | 0-255 | 32 | 32 | 32 | fix |

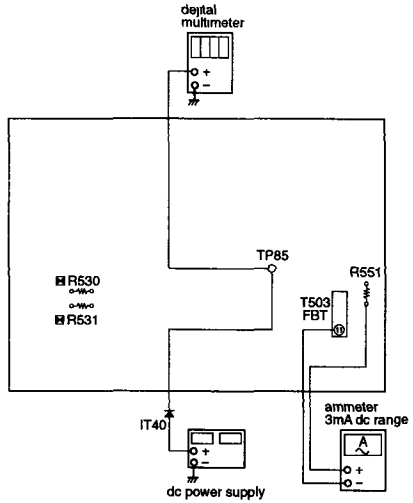
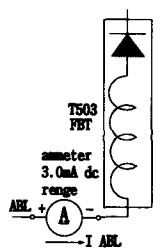
: Fix

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **SUB CON ADJUSTMENT (SCON)**<br>1. Input a *signal.<br>2. Set COLOR = min, PICTURE = max.<br>" G " = " 0 " (OFF), " R " = " 0 " (OFF).<br>3. Set to Service adjustment Mode and Connectan *oscilloscope pin ① of CN351.<br>4. Select " SCON " with [1] and [4] .<br>5. Adjust with [3] and [6] for the 1.85 ± 0.05Vp-p of level.<br>6. Write into the memory by [MUTING] then [ENTER] . | *75%Color-bar pattern | *CN351 Pin ① | | ILLUSTRATION AND SHAPE AND NUMBER<br>  |
| **SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)**<br>1. Input a *signal.<br>2. Set to service adjustment Mode and set to picture = max, color = standard.<br>3. Connect an *oscilloscope *Connector Pin (B OUT) of C board.<br>4. Select SHUE and SCOL with [1] and [4] .<br>5. Adjust with [3] and [6] for the V1 = V4 (SCOL) and V2 = V3 (SHUE).<br>6. After adjust write SCOL and SHUE data 1 step down.<br>7. Write into the memory by pressing [MUTING] then [ENTER] . | *Color-bar pattern<br>*Oscilloscope | *CN351 Pin ③ | |  |
| **H SIZE ADJUSTMENT (HSIZ)**<br>1. Input a *signal.<br>2. Set to Service adjustment Mode.<br>3. Select HSIZ with [1] and [4] .<br>4. Adjust with [3] and [6] for the best Horizontal size.<br>5. Write the memory by pressing [MUTING] then [ENTER] . | *Color-bar pattern | | HSIZ | H. SIZE<br>  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **V. SIZE ADJUSTMENT (VSIZ)**<br>1. Input a *signal.<br>2. Set to service adjustment Mode.<br>3. Select VSIZ with [1] and [4].<br>4. Adjust with [3] and [6] for the best vertical size.<br>5. Write into the memory by pressing [MUTING] then [ENTER]. | *Cross-hatch pattern | | VSIZ | V. SIZE  |
| **V. POSITION ADJUSTMENT (VPOS)**<br>1. Input a *signal.<br>2. Set to service adjustment Mode.<br>3. Select VPOS with [1] and [4].<br>4. Adjust with [3] and [6] for the best vertical center.<br>5. Write into the memory by pressing [MUTING] then [ENTER]. | *Cross-hatch pattern | | VPOS | V. POSITION  |
| **H. POSITION ADJUSTMENT (H POS)**<br>Note : Perform this adjustment after H. FREQUENCY ADJUSTMENT (HFRE).<br>1. Input a *signal.<br>2. Set the Service adjustment Mode.<br>3. Select HPOS with [1] and [4].<br>4. Adjust with [3] and [6] for the best horizontal center.<br>5. Write into the memory by pressing [MUTING] then [ENTER]. | *Cross-hatch pattern | | HPOS | H. POSITION  |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **V LINEARITY (VLIN), V CORRECTION (VSCO), PIN AMP (PAMP), AND PIN PHASE (PPHA) ADJUSTMENTS**<br>1. Input a *signal.<br>2. Set to Service adjustment Mode.<br>3. Select VLIN, VSCO, PAMP, and PPHA with [1] and [4].<br>4. Adjust with [3] and [6] for the best picture.<br>5. Write the memory by Pressing [MUTING] then [ENTER]. | *Cross-hatch pattern | | VLIN<br>VSCO<br>PAMP<br>PPHA<br>VANG<br>VBOW<br>UPIN<br>LPIN | V LINEARITY<br>VS CORRECTION<br>PIN AMP<br>PIN PHASE<br>V ANGLE<br>V BOW<br>UPPER PIN<br>LOW PIN<br>  |


# SECTION 4
# SAFETY RELATED ADJUSTMENTS

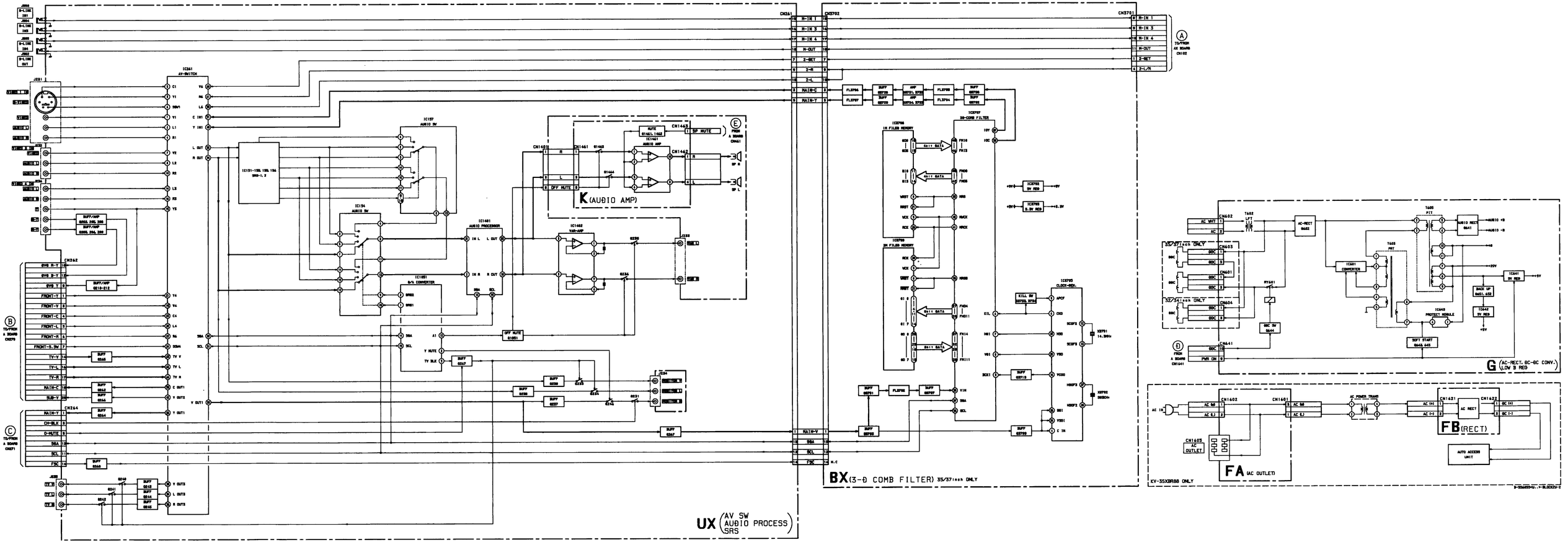
| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **⊠ *RESISTOR CONFIRMATION METHOD ( HOLD-DOWN CONFIRMATION) AND READJUSTMENTS**<br>The following adjustments should always be performed when replacing the following components (*marked with ◪ on the schematic diagram).<br>(Hold-down operation confirmation) | | *◪ marked parts<br>IC643,IC351,IC501<br>D519,D520,D521,<br>C531,C532,<br>R387,R529,R530,R531<br>R532,R533,R550,R661<br>T503 | *⊠ R530,531 | A BOARD - CONDUCTOR SIDE<br>  |
| Step 1<br>1. Preparation before confirmation<br>1) Turn the POWER switch ON, and receive *signal and set the *PICTURE and BRIGHTNESS controls to adjustment.<br>2) Confirm that the voltage of the check terminal of *TP is more than *voltage when the set is operating normaly with *Power supply. | * White Picture<br>*Digital multimeter | *TP85 (H. PROT) | *VIDEO MODE : STANDARD<br>PICTURE<br>BRIGHTNESS } ..... maximum | [Check Condition]Step 1<br>*32" : more than 21.5V DC<br>35" : more than 18.0V DC<br>*120 ± 2.0 VAC (Power Supply) |
| Step 2<br>2.Confirm that a voltage of between TP85 and ground. | * White Picture | |  <br>Connector a Ammeter to the location of R551 space. After the current measurement, put back the resistors. | [Check Condition]Step 2<br>*IABL<br>32" : 2000 ± 100 µA<br>35" : 2160 ± 100 µA<br>*120 ± 2.0 V AC (Power Supply) |
| Step 3<br>3.Using an external DC power supply, apply voltage between TP 85 and groud.<br>Increase gradually the voltage and confirm that the hold-down works (Raster disappears) at lower than the voltag obtained Step 2 mentioned above *voltage. | | | *VIDEO MODE : STANDARD<br>PICTURE<br>BRIGHTNESS<br>..... maximum | [Check Condition]Step 3<br>*32" : lower than 26.95V DC<br>35" : lower than 22.05V DC<br>*120 ± 2.0 V AC (Power Supply) |
| Step 4<br>4.Confirm that a voltage of more than *voltage appears TP85 and ground. | * White Picture | | | [Check Condition]Step 4Step 4<br>*32" : more than 21.5V DC<br>35" : more than 18.0V DC<br>*120 ± 2.0 V AC (Power Supply) |

| ADJUSTMENT ITEM AND PROCEDURE | EQUIPMENT AND SIGNAL | MEASUREMENT POSITION | ADJUSTMENT LOCATION | ILLUSTRATION AND SHAPE AND NUMBER |
|---|---|---|---|---|
| **B+ VOLTAGE CONFIRMATION**<br>The following adjustments should always be performed when replacing the following *components. | | *IC643, R661 | | |
| 1) Supply *Voltage AC to with *variable auto-transformer.<br>2) Input an entirely *signal.<br>3) Set the PICTURE control and the BRIGHTNESS control to adjustment. | *Variable auto-transformer<br>*Monoscope pattern | | *VIDEO MODE : STANDARD<br>PICTURE<br>BRIGHTNESS<br>... . initial reset | *130 $^{+20}_{-0}$ V AC |
| 4) Confirm the voltage of *TP is less than *Voltage DC.<br>5) If step 4) is not satisfied, replace the *components repeat above steps. | | *G Board CN641<br>Pin ① - ground | *R661 | *Less than 136.5 VDC |

# SECTION 5
# DIAGRAMS

## 5-1. BLOCK DIAGRAMS (1)




UX (AV SW AUDIO PROCESS SRS)
BX (3-D COMB FILTER) 35/37inch ONLY
K (AUDIO AMP)
G (AC-RECT, DC-DC CONV., LOW B REG)
FB (RECT)
FA (AC OUTLET)
KV-35XBR88 ONLY
35/37inch ONLY
35/54inch ONLY
IC241 AV-SWITCH
IC157 AUDIO SW
IC154 AUDIO SW
IC1401 AUDIO PROCESSOR
IC1402 SUB-AMP
IC1451 D/A CONVERTER
IC1461 AUDIO AMP
IC2701 1H FILTER MEMORY
IC2702 2H FILTER MEMORY
IC2703 3D-COMB FILTER
IC2704 CLOCK-GEN.
IC1601 CONVERTER
IC1642 PROTECT MODULE
T602 LOT
T603 PIT
T604 PRT
RY401
SOFT START
BACK UP
AUTO ACCESS UNIT
AC POWER TRANS
AC IN
TO/FROM A BOARD CN101
TO/FROM A BOARD CN102
TO/FROM A BOARD CN109
TO/FROM A BOARD CN201
FROM A BOARD CN1641
FROM A BOARD CN461

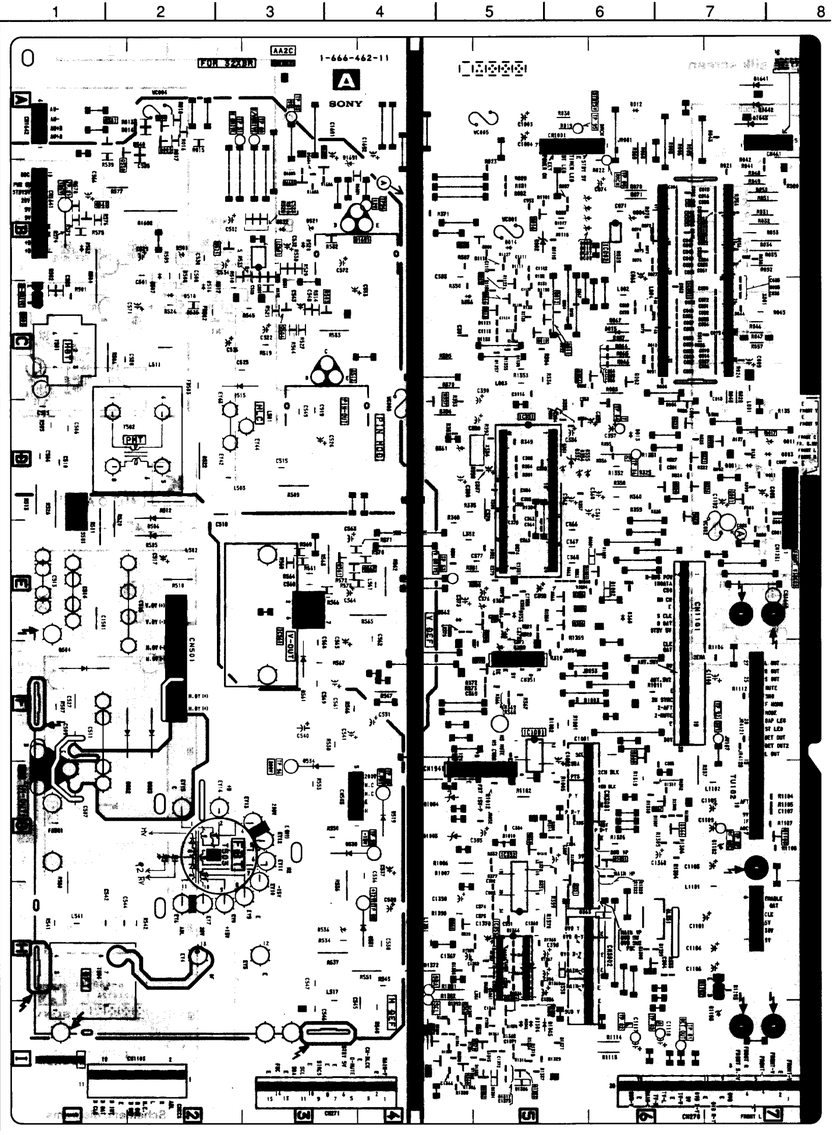
**A** [MICON, Y/C/J, TUNER, H/V DEF, PIN-MOD]

## – A BOARD – ( KV-32XBR48/34XBR48C )

### A BOARD

| DIODE | | * |
|---|---|---|
| D001 | B-5 | – |
| D002 | B-5 | – |
| D003 | D-8 | – |
| D004 | D-6 | – |
| D011 | D-8 | – |
| D012 | A-6 | – |
| D013 | D-6 | – |
| D014 | C-5 | – |
| D015 | C-6 | – |
| D353 | F-5 | – |
| D356 | C-5 | – |
| D360 | F-5 | – |
| D362 | F-5 | – |
| D363 | F-5 | – |
| D368 | F-6 | – |
| D501 | C-2 | – |
| D502 | G-2 | – |
| D503 | G-2 | – |
| D504 | F-1 | – |
| D505 | E-2 | – |
| D506 | E-2 | – |
| D507 | C-2 | – |
| D515 | D-3 | – |
| D516 | C-2 | – |
| D518 | C-2 | – |
| D519 | H-4 | – |
| D520 | C-3 | – |
| D521 | B-3 | – |
| D522 | B-3 | – |
| D530 | H-4 | – |
| D531 | I-4 | – |
| D534 | G-3 | – |
| D536 | C-5 | – |
| D561 | F-3 | – |
| D562 | E-4 | – |
| D1001 | E-6 | ⑤ |
| D1002 | F-6 | ⑤ |
| D1003 | H-5 | – |
| D1004 | H-5 | – |
| D1102 | H-7 | – |
| D1103 | I-7 | – |
| D1301 | J-5 | ⑤ |
| D1302 | J-5 | – |
| D1304 | J-5 | – |
| D1305 | J-5 | – |
| D1306 | J-5 | ⑤ |
| D1641 | A-7 | – |
| D1642 | A-7 | – |
| D1691 | B-4 | – |
| **IC** | | |
| IC001 | C-7 | |
| IC002 | B-6 | |
| IC351 | E-5 | |
| IC352 | H-5 | |
| IC353 | I-5 | |
| IC501 | C-3 | |

| IC561 | F-3 | |
|---|---|---|
| IC1001 | G-5 | |
| **TRANSISTOR** | | * |
| Q001 | E-7 | ① |
| Q002 | C-6 | ① |
| Q003 | B-2 | ① |
| Q004 | A-2 | ① |
| Q005 | D-7 | ① |
| Q010 | C-5 | ① |
| Q011 | C-5 | ① |
| Q012 | C-5 | ① |
| Q013 | C-5 | ① |
| Q014 | C-5 | ① |
| Q015 | C-5 | ① |
| Q016 | B-5 | ① |
| Q017 | D-7 | ① |
| Q304 | F-6 | ① |
| Q305 | F-6 | ① |
| Q306 | F-6 | ① |
| Q351 | H-6 | ① |
| Q354 | F-5 | ① |
| Q356 | D-6 | ① |
| Q357 | D-4 | ① |
| Q358 | F-5 | ① |
| Q359 | J-5 | ① |
| Q360 | J-5 | ① |
| Q361 | I-5 | ① |
| Q362 | J-5 | ① |
| Q363 | J-5 | ① |
| Q364 | J-4 | ① |
| Q365 | I-6 | ① |
| Q366 | H-7 | ① |
| Q367 | H-7 | ① |
| Q368 | G-6 | ① |
| Q369 | H-5 | ① |
| Q370 | J-5 | ① |
| Q501 | C-1 | – |
| Q502 | G-1 | – |
| Q503 | C-4 | ① |
| Q504 | C-3 | ① |
| Q511 | C-3 | ① |
| Q512 | D-4 | – |
| Q530 | B-2 | ① |
| Q531 | B-2 | ① |
| Q561 | E-4 | ① |
| Q562 | E-4 | ① |
| Q563 | B-1 | ① |
| Q1001 | E-6 | ① |
| Q1102 | I-7 | – |
| Q1103 | H-8 | ① |
| Q1351 | H-6 | ① |
| Q1352 | J-5 | ① |
| Q1353 | J-5 | ① |
| Q1354 | I-5 | ① |
| Q1691 | B-4 | – |
| Q1692 | B-3 | ① |
| Q1693 | B-3 | ① |




**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.



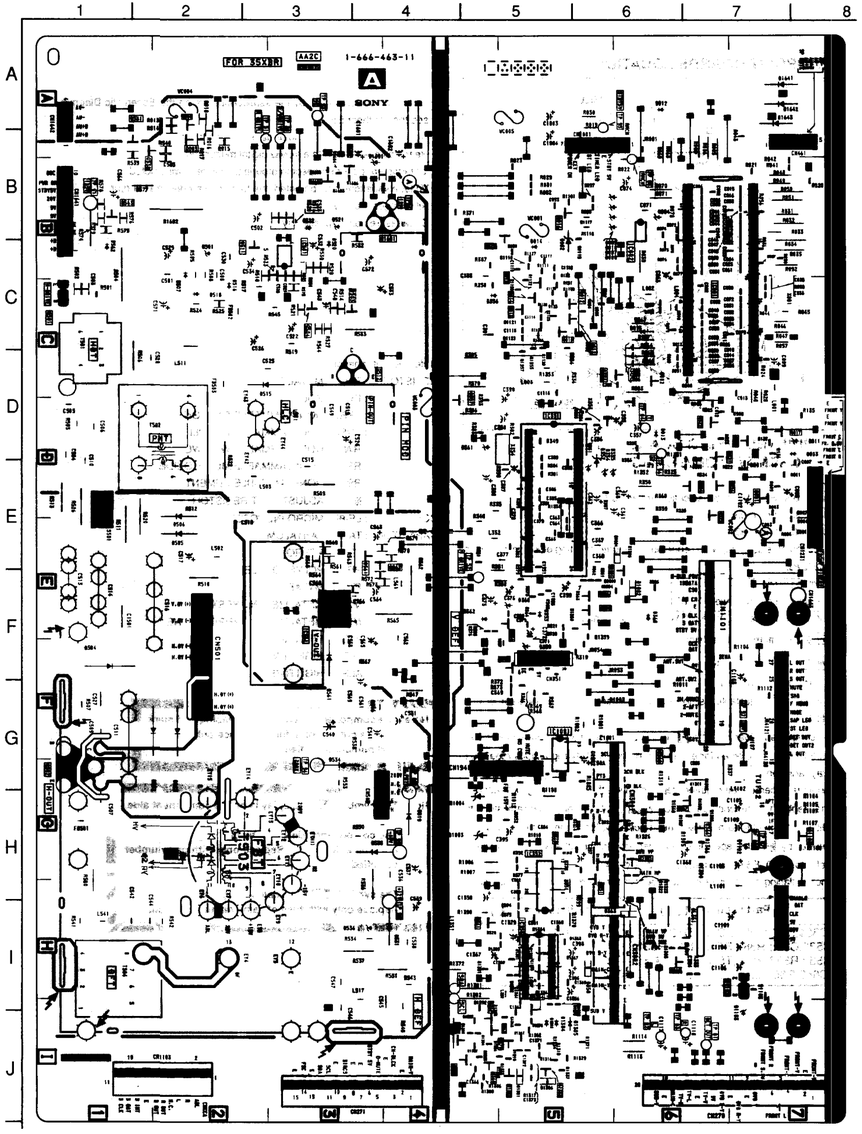


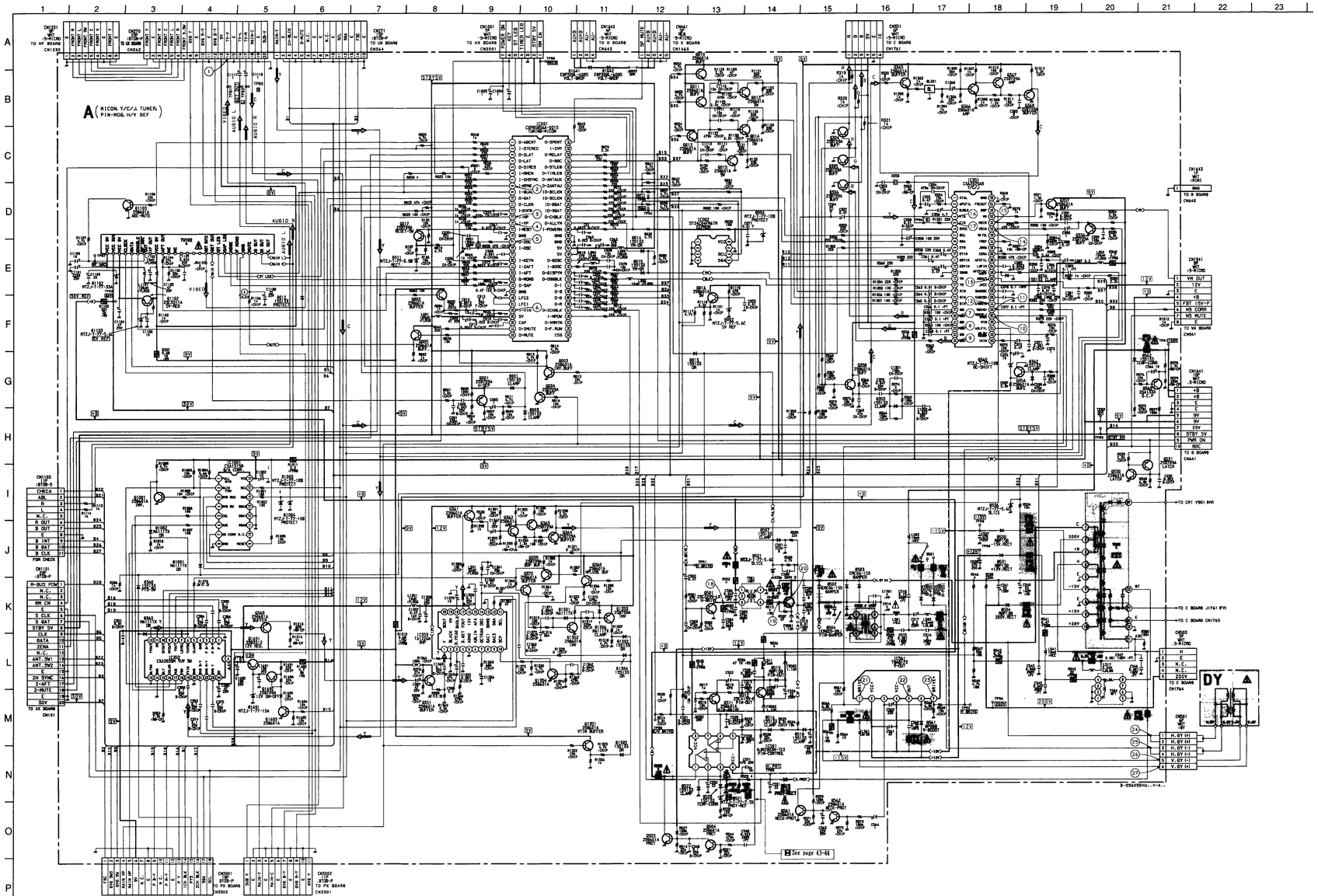
## – A BOARD – ( KV-35XBR48/35XBR88/37XBR48M )

### A BOARD

| DIODE | | * |
|---|---|---|
| D001 | B-5 | – |
| D002 | B-5 | – |
| D003 | D-8 | – |
| D004 | D-6 | – |
| D011 | D-8 | – |
| D012 | A-6 | – |
| D013 | D-6 | – |
| D014 | C-5 | – |
| D015 | C-6 | – |
| D353 | F-5 | – |
| D356 | C-5 | – |
| D360 | F-5 | – |
| D362 | F-5 | – |
| D363 | F-5 | – |
| D368 | F-6 | – |
| D501 | C-2 | – |
| D502 | G-2 | – |
| D503 | G-2 | – |
| D504 | F-1 | – |
| D505 | E-2 | – |
| D506 | E-2 | – |
| D507 | C-2 | – |
| D515 | D-3 | – |
| D516 | C-2 | – |
| D518 | C-2 | – |
| D519 | H-4 | – |
| D520 | C-3 | – |
| D521 | B-3 | – |
| D522 | B-3 | – |
| D530 | H-4 | – |
| D531 | I-4 | – |
| D534 | G-3 | – |
| D536 | C-5 | – |
| D561 | F-3 | – |
| D562 | E-4 | – |
| D1001 | E-6 | ⑤ |
| D1002 | F-6 | ⑤ |
| D1003 | H-5 | – |
| D1004 | H-5 | – |
| D1102 | H-7 | – |
| D1103 | I-7 | – |
| D1301 | J-5 | ⑤ |
| D1302 | J-5 | – |
| D1304 | J-5 | – |
| D1305 | J-5 | – |
| D1306 | J-5 | ⑤ |
| D1641 | A-7 | – |
| D1642 | A-7 | – |
| D1691 | B-4 | – |
| **IC** | | |
| IC001 | C-7 | |
| IC002 | B-6 | |
| IC351 | E-5 | |
| IC352 | H-5 | |
| IC353 | I-5 | |
| IC501 | C-3 | |

| IC561 | F-3 | |
|---|---|---|
| IC1001 | G-5 | |
| **TRANSISTOR** | | * |
| Q001 | E-7 | ① |
| Q002 | C-6 | ① |
| Q003 | B-2 | ① |
| Q004 | A-2 | ① |
| Q005 | D-7 | ① |
| Q010 | C-5 | ① |
| Q011 | C-5 | ① |
| Q012 | C-5 | ① |
| Q013 | C-5 | ① |
| Q014 | C-5 | ① |
| Q015 | C-5 | ① |
| Q016 | B-5 | ① |
| Q017 | D-7 | ① |
| Q304 | F-6 | ① |
| Q305 | F-6 | ① |
| Q306 | F-6 | ① |
| Q351 | H-6 | ① |
| Q354 | F-5 | ① |
| Q356 | D-6 | ① |
| Q357 | D-4 | ① |
| Q358 | F-5 | ① |
| Q359 | J-5 | ① |
| Q360 | J-5 | ① |
| Q361 | I-5 | ① |
| Q362 | J-5 | ① |
| Q363 | J-5 | ① |
| Q364 | J-4 | ① |
| Q365 | I-6 | ① |
| Q366 | H-7 | ① |
| Q367 | H-7 | ① |
| Q368 | G-6 | ① |
| Q369 | H-5 | ① |
| Q370 | J-5 | ① |
| Q501 | C-1 | – |
| Q502 | G-1 | – |
| Q503 | C-4 | ① |
| Q504 | C-3 | ① |
| Q511 | C-3 | ① |
| Q512 | D-4 | – |
| Q530 | B-2 | ① |
| Q531 | B-2 | ① |
| Q561 | E-4 | ① |
| Q562 | E-4 | ① |
| Q563 | B-1 | ① |
| Q1001 | E-6 | ① |
| Q1102 | I-7 | – |
| Q1103 | H-8 | ① |
| Q1351 | H-6 | ① |
| Q1352 | J-5 | ① |
| Q1353 | J-5 | ① |
| Q1354 | I-5 | ① |
| Q1691 | B-4 | – |
| Q1692 | B-3 | ① |
| Q1693 | B-3 | ① |






## A BOARD IC VOLTAGE LIST

| | | | | | | |
|---|---|---|---|---|---|---|
| IC001 | 1 | 0 | | 3 | GND | |
| | 2 | 0 | | 4 | GND | |
| | 3 | 0 | | 5 | 4.7 | |
| | 4 | 0 | | 6 | 4.7 | |
| | 5 | 0 | | 7 | GND | |
| | 6 | 4.8 | | 8 | 5.1 | |
| | 7 | 0.2 | IC351 | 1 | 2.1 | |
| | 8 | 0.2 | | 2 | 5.7 | |
| | 9 | 1.7 | | 3 | 4.1 | |
| | 10 | 0.2 | | 4 | 4.6 | |
| | 11 | 0 | | 5 | 4 | |
| | 12 | 5.1 | | 6 | 9.1 | |
| | 13 | 4.2 | | 7 | 4.8 | |
| | 14 | 1.3 | | 8 | 4.7 | |
| | 15 | 5.1 | | 9 | 0 | |
| | 16 | GND | | 10 | 6.6 | IC353 |
| | 17 | 2.6 | | 11 | 8.2 | |
| | 18 | * | | 12 | 6.3 | |
| | 19 | 0.8 | | 13 | GND | |
| | 20 | 5.1 | | 14 | 0 | |
| | 21 | 2.5 | | 15 | 0 | |
| | 22 | 2.4 | | 16 | 5.2 | |
| | 23 | 0 | | 17 | 5.2 | |
| | 24 | 0 | | 18 | 5.2 | |
| | 25 | GND | | 19 | 5.2 | |
| | 26 | 1.8 | | 20 | 1.8 | |
| | 27 | 2.7 | | 21 | 5.4 | |
| | 28 | 2.4 | | 22 | 1.7 | |
| | 29 | 5.1 | | 23 | 5.5 | |
| | 30 | 1 | | 24 | 1.8 | |
| | 31 | 0 | | 25 | 3.4 | |
| | 32 | 0 | | 26 | 1.6 | IC501 |
| | 36 | 1.6 | | 27 | 8.1 | |
| | 37 | 0 | | 28 | 0.8 | |
| | 38 | 0 | | 29 | 3.1 | |
| | 39 | 0 | | 30 | 3.2 | |
| | 40 | 0 | | 31 | 3.9 | |
| | 41 | 0 | | 32 | 4.5 | |
| | 42 | 0 | | 33 | 4.8 | |
| | 43 | 0 | | 34 | 9.2 | IC561 |
| | 44 | 2.9 | | 35 | 3.7 | |
| | 45 | 2.9 | | 36 | 3.6 | |
| | 46 | 5 | | 37 | 4.1 | |
| | 47 | 5 | | 38 | 4.4 | |
| | 48 | GND | | 39 | 2.5 | |
| | 49 | GND | | 40 | GND | |
| | 50 | 5.1 | | 41 | 2.8 | IC1001 |
| | 51 | 0 | | 42 | 2.9 | |
| | 52 | 0 | | 43 | 4.1 | |
| | 53 | 4.7 | | 44 | 3.3 | |
| | 54 | 4.7 | | 45 | 6.2 | |
| | 55 | 4.7 | | 46 | 0.8 | |
| | 56 | 4.7 | | 47 | 0 | |
| | 57 | 5.1 | | 48 | GND | |
| | 58 | 0.2 | IC352 | 1 | 6.1 | |
| | 59 | 4.3 | | 2 | 6.1 | |
| | 60 | 0.4 | | 3 | 6.1 | |
| | 61 | 0 | | 4 | GND | |
| | 62 | 4.9 | | 5 | 2.1 | |
| | 63 | 1.8 | | 6 | 1.7 | |
| | 64 | 0 | | 7 | 9.2 | |
| IC002 | 1 | GND | | 8 | 4 | |
| | 2 | GND | | 9 | 4.2 | |
| | | | | 10 | 4 | |
| | | | | 11 | 9.2 | |
| | | | | 12 | 3.6 | |
| | | | | 13 | 0.4 | |
| | | | | 14 | GND | |
| | | | | 15 | 2.5 | |
| | | | | 16 | 5.6 | |
| | | | | 17 | 4.7 | |
| | | | | 18 | 0.4 | |
| | | | | 19 | 6.2 | |
| | | | | 20 | GND | |
| | | | | 21 | 5.9 | |
| | | | | 22 | 5.9 | |
| | | | | 23 | 5.9 | |
| | | | | 24 | 9.2 | |
| | | | IC353 | 1 | 5.1 | |
| | | | | 2 | 4.2 | |
| | | | | 3 | 5.5 | |
| | | | | 4 | 5.2 | |
| | | | | 5 | GND | |
| | | | | 6 | 4.7 | |
| | | | | 7 | 5.1 | |
| | | | | 10 | 1.3 | |
| | | | | 11 | 5 | |
| | | | | 12 | 4.9 | |
| | | | | 13 | GND | |
| | | | | 14 | 12.4 | |
| | | | | 15 | 6.2 | |
| | | | | 16 | 12.7 | |
| | | | | 17 | 8.4 | |
| | | | | 18 | 2.6 | |
| | | | IC501 | 1 | 3.8 | |
| | | | | 2 | 8.4 | |
| | | | | 3 | 8.9 | |
| | | | | 4 | -16.2 | |
| | | | | 5 | 2.5 | |
| | | | | 6 | 3.3 | |
| | | | | 7 | -16 | |
| | | | | 8 | 12.7 | |
| | | | IC561 | 1 | 1.5 | |
| | | | | 2 | 12.7 | |
| | | | | 3 | -14.3 | |
| | | | | 4 | -16.3 | |
| | | | | 5 | 0.3 | |
| | | | | 6 | 13.5 | |
| | | | | 7 | 1.5 | |
| | | | IC1001 | 1 | 0.3 | |
| | | | | 2 | 0.2 | |
| | | | | 3 | 0.5 | |
| | | | | 4 | 0.5 | |
| | | | | 5 | 5.6 | |
| | | | | 6 | 4.7 | |
| | | | | 7 | 4.8 | |
| | | | | 8 | GND | |
| | | | | 9 | 9.4 | |
| | | | | 11 | GND | |
| | | | | 12 | GND | |
| | | | | 13 | GND | |
| | | | | 14 | 4.8 | |
| | | | | 15 | 4.7 | |
| | | | | 16 | 9.4 | |

All Voltage are in V

Pin numbers which are not described are not used.

* : Can not measured

## A BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E |
|---|---|---|---|
| Q001 | 5.1 | 0.8 | 5.1 |
| Q002 | 5.0 | 9.5 | 4.3 |
| Q003 | -0.5 | 4.2 | GND |
| Q004 | 0.8 | GND | 1.3 |
| Q005 | 0 | 5.1 | 0 |
| Q010 | 0 | 9.5 | 0 |
| Q011 | 0 | 9.5 | 0 |
| Q012 | 0 | 9.5 | 0 |
| Q013 | 0 | 0 | GND |
| Q014 | 0 | 0 | GND |
| Q015 | 0 | 0 | GND |
| Q016 | 6.1 | 9.5 | 5.4 |
| Q017 | 4.5 | 5.2 | 5.2 |
| Q304 | 1.8 | GND | 2.5 |
| Q305 | 1.8 | GND | 2.3 |
| Q306 | 1.7 | GND | 2.4 |
| Q351 | 6.6 | 9.2 | 6.0 |
| Q354 | 0 | GND | -0.3 |
| Q356 | 5.2 | GND | 5.8 |
| Q357 | 3.8 | 9.5 | 0 |
| Q358 | 2.3 | 9.1 | 2.5 |
| Q359 | 1.2 | GND | 1.9 |
| Q360 | 0.3 | 12.6 | 0.9 |
| Q361 | 6.2 | 12.6 | 7.5 |
| Q362 | 3.6 | 11.7 | 3.0 |
| Q363 | 11.7 | 5.6 | 12.4 |
| Q364 | 5.6 | GND | 6.3 |
| Q365 | 5.1 | 9.2 | 4.5 |
| Q366 | 2.6 | 8.8 | 2.0 |
| Q367 | 8.3 | 3.4 | 8.9 |
| Q368 | 3.3 | GND | 4.0 |
| Q369 | 9.6 | 9.2 | 2.8 |
| Q370 | 1.9 | 12.6 | 1.3 |
| Q501 | -1.0 | -114.0 | GND |
| Q502 | 5 | 140.0 | GND |
| Q503 | 0 | 8.7 | GND |
| Q504 | -0.9 | 0 | GND |
| Q511 | -16.2 | -12.6 | -16.4 |
| Q512 | -16.6 | 16.0 | -16.4 |
| Q530 | 0 | 3.6 | GND |
| Q531 | 3.6 | 0 | 3.6 |
| Q561 | 0 | 3.1 | GND |
| Q562 | 0 | 3.1 | GND |
| Q563 | 139.0 | -9.2 | 139.0 |
| Q1001 | 0.3 | 2.2 | GND |
| Q1102 | 6.0 | 8.8 | 5.3 |
| Q1103 | 0 | 2.6 | GND |
| Q1351 | 0.7 | 9.2 | 0.5 |
| Q1352 | -1.1 | 11.1 | GND |
| Q1353 | | | |
| Q1354 | -0.1 | 0 | GND |
| Q1691 | 13.3 | 16.4 | 12.6 |
| Q1692 | 12.6 | 13.3 | 13.4 |
| Q1693 | 0.7 | 0 | GND |

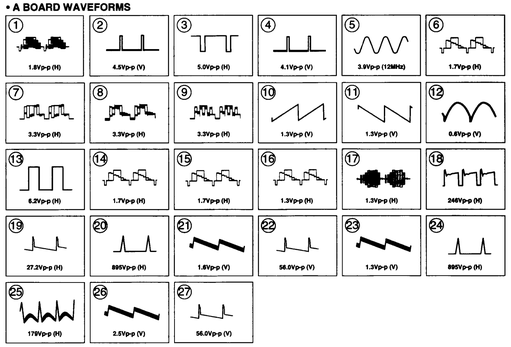
All Voltage are in V

## A BOARD * MARK LIST

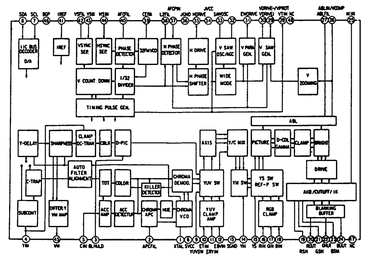
| | KV-36XBR48/36XBR80/37XBR48M | KV-32XBR48/34XBR48C |
|---|---|---|
| C513 | 0.033 630V PP | 0.056 400V PP |
| C514 | 0.82 200V PP | 0.62 200V PP |
| C1503 | | 0.12 200V PP |
| Q502 | 2SC5148 | 2SC5148 |
| R374 | 2.2M CHIP | 1M CHIP |
| R511 | 100 2W RS | 68 2W RS |
| R530 | 10 2W RS | JW (7.5) |
| R529 | 18K RN-CP | 22K RN-CP |
| R531 | 220K RN-CP | 68K RN-CP |
| R533 | 33K 1W RS | 47K 1W RS |
| R535 | 180K CHIP | 150K CHIP |
| R546 | 20K RN | 22K RN |
| T502 | 500UH PMT | 400UH PMT |
| T503 | NX-2612 | NX-3005 |

- : Not mounted

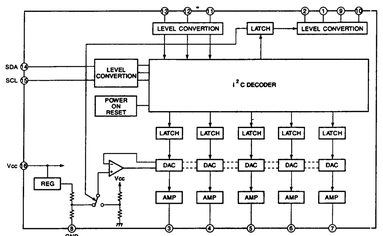
## A BOARD WAVEFORMS



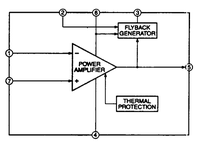

## A BOARD : IC351 CXA2025AS



## A BOARD : IC1001 CXA 1315M




## A BOARD : IC561 TDA8172

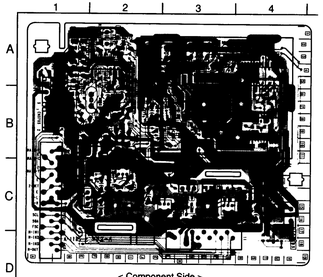


## BX [ DIGITAL COMB FILTER ]

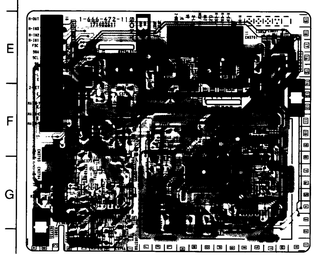
– BX BOARD –

**BX BOARD**

| | CHODE | * |
|---|---|---|
| D3704 | A-3 | ⑥ |
| D3706 | E-4 | ⑥ |
| D3706 | A-4 | ⑥ |
| D3707 | E-4 | ⑥ |
| D3708 | A-4 | ⑥ |
| | IC | |
| IC3700 | B-2,F-2 | |
| IC3701 | C-4,E-4 | |
| IC3706 | A-2 | |
| IC3707 | B-3 | |
| IC3708 | A-4 | |
| IC3709 | B-4 | |
| | TRANSISTOR | * |
| Q3701 | C-2 | ⑥ |
| Q3702 | E-3 | ① |
| Q3703 | C-1 | ⑥ |
| Q3707 | B-2 | ⑥ |
| Q3708 | E-4 | ① |
| Q3709 | B-2 | ⑥ |
| Q3718 | A-2 | ⑥ |
| Q3724 | E-2 | ⑥ |
| Q3726 | E-2 | ⑥ |
| Q3728 | E-3 | ① |
| Q3729 | E-2 | ① |
| Q3731 | E-3 | ① |
| Q3732 | E-3 | ① |
| Q3733 | G-1 | ⑥ |
| Q3734 | G-1 | ⑥ |



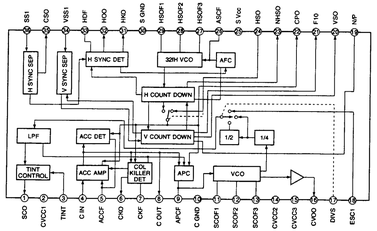
< Component Side >



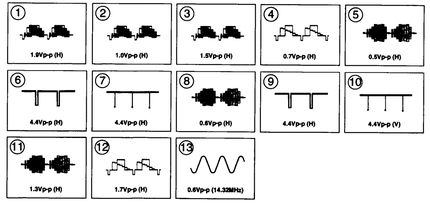
< Conductor Side >

NOTE:
- ■■ : Pattern from the side which enables seeing
- ■■ : Pattern of the rear side

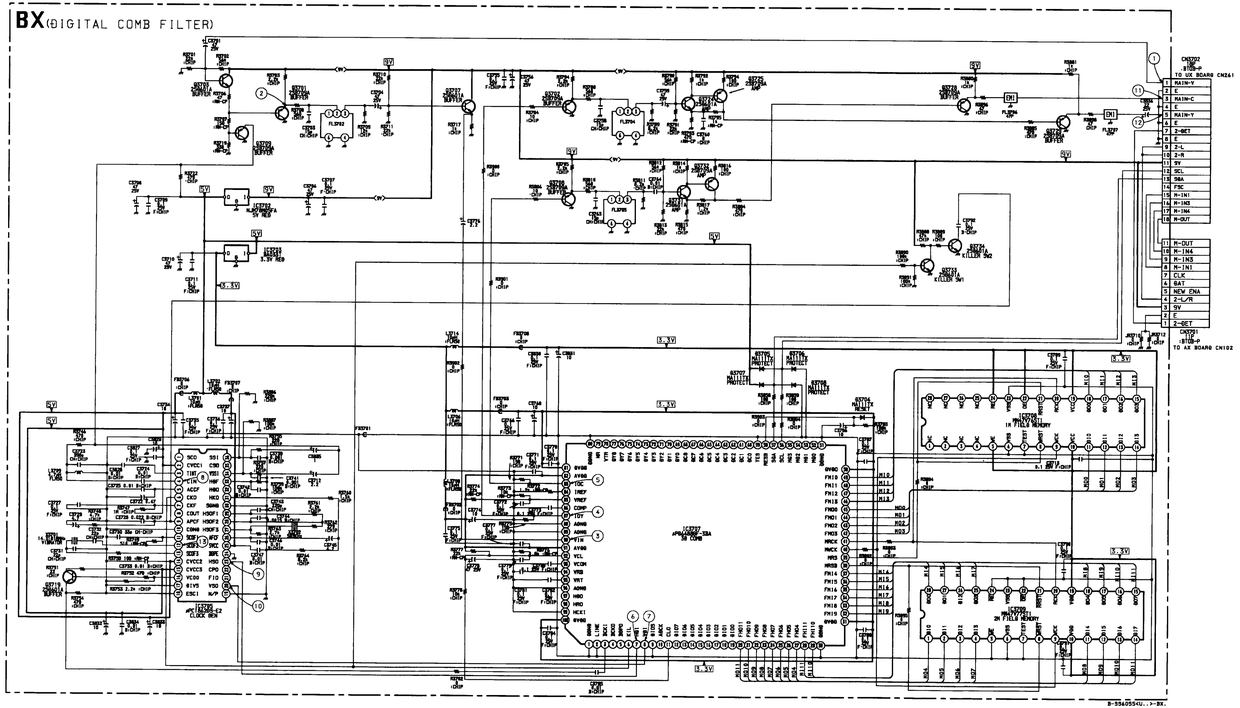
**BX BOARD : IC3702 μPC1862GS-E2**




**• BX BOARD WAVEFORMS**




## BX (DIGITAL COMB FILTER)




**BX BOARD IC VOLTAGE LIST**

| | | | | | |
|---|---|---|---|---|---|
| IC3702 | 1 | 6.7 | | 49 | 1.6 |
| | Q | 5.3 | | 50 | 3.5 |
| | G | GND | | 51 | GND |
| IC3703 | 1 | 5.3 | | 56 | 4.7 |
| | Q | 3.5 | | 57 | 4.7 |
| | G | GND | | 58 | 3.4 |
| IC3705 | 2 | 4.4 | | 59 | GND |
| | 3 | 2.3 | | 80 | GND |
| | 4 | 0.3 | | 81 | 3.5 |
| | 5 | 4.3 | | 82 | 3.5 |
| | 6 | 0 | | 83 | 0.6 |
| | 7 | 5.3 | | 84 | 1.1 |
| | 9 | 3 | | 85 | 1.1 |
| | 10 | 4 | | 86 | 1.9 |
| | 11 | 4 | | 87 | 0.5 |
| | 12 | 0 | | 88 | GND |
| | 13 | 0 | | 89 | GND |
| | 14 | 5.3 | | 90 | 1.3 |
| | 15 | 4.4 | | 91 | 3.5 |
| | 16 | 2.8 | | 92 | 0.6 |
| | 17 | 4.4 | | 93 | 1.6 |
| | 18 | 2.9 | | 94 | 1.1 |
| | 19 | GND | | 95 | 2 |
| | 20 | 5.3 | | 96 | GND |
| | 23 | 1.1 | | 99 | GND |
| | 24 | GND | | 100 | 3.5 |
| | 25 | 2.4 | IC3708 | 5 | 3.5 |
| | 26 | 2.6 | | 6 | GND |
| | 27 | 2.9 | | 7 | GND |
| | 28 | 0 | | 8 | 0 |
| | 29 | 3.1 | | 9 | 1 |
| | 30 | GND | | 10 | 3.5 |
| | 31 | 3.3 | | 11 | 1.6 |
| | 33 | 5.3 | | 12 | 1.6 |
| | 34 | 2.2 | | 13 | 1.7 |
| | 36 | 0 | | 14 | 1.5 |
| IC3707 | 1 | GND | | 15 | 1.8 |
| | 2 | GND | | 16 | 1.9 |
| | 3 | 1.3 | | 17 | 1.7 |
| | 6 | 4.5 | | 18 | 1.6 |
| | 7 | 4.4 | | 19 | 3.5 |
| | 8 | 4.4 | | 20 | 1 |
| | 9 | GND | | 21 | 0 |
| | 10 | 1.7 | | 22 | 3.5 |
| | 11 | 2.3 | IC3709 | 23 | GND |
| | 20 | 1.1 | | 24 | 3.5 |
| | 21 | 1.3 | | 1 | 1.6 |
| | 22 | 2.1 | | 2 | 1.8 |
| | 23 | 1.8 | | 3 | 1.6 |
| | 24 | 1.5 | | 4 | 1.5 |
| | 25 | 1.6 | | 5 | GND |
| | 26 | 1.8 | | 6 | GND |
| | 27 | 1.6 | | 7 | GND |
| | 28 | 1.1 | | 8 | 3.4 |
| | 29 | 1 | | 9 | 1 |
| | 30 | GND | | 10 | 3.5 |
| | 31 | 3.5 | | 11 | 1.8 |
| | 32 | 2.5 | | 12 | 2.1 |
| | 33 | 2.2 | | 13 | 1.3 |
| | 34 | 1.8 | | 14 | 1.1 |
| | 35 | 1.8 | | 15 | 1.1 |
| | 36 | 2.2 | | 16 | 1.1 |
| | 37 | 1.7 | | 17 | 2.5 |
| | 38 | 3.4 | | 18 | 2.2 |
| | 39 | 0 | | 19 | 3.5 |
| | 40 | 1 | | 20 | 1 |
| | 41 | 1 | | 21 | 3.4 |
| | 42 | 1.5 | | 22 | GND |
| | 43 | 1.7 | | 23 | GND |
| | 44 | 1.6 | | 24 | GND |
| | 45 | 1.6 | | 25 | 1.8 |
| | 46 | 1.8 | | 26 | 1.9 |
| | 47 | 1.9 | | 27 | 2.2 |
| | 48 | 1.7 | | 28 | 1.7 |

All Voltage are in V
Pin numbers which are not
not described are not used.

**BX BOARD TRANSISTOR VOLTAGE LIST**

| | B | C | E |
|---|---|---|---|
| Q3701 | 1.5 | GND | 2.1 |
| Q3702 | 0.4 | GND | 1.1 |
| Q3703 | 2.3 | 8.7 | 1.7 |
| Q3707 | 4.2 | 8.7 | 3.6 |
| Q3708 | 0.5 | GND | 1.2 |
| Q3709 | 1 | GND | 1.7 |
| Q3724 | 2.5 | 7.7 | 1.9 |
| Q3725 | 7.7 | 4.6 | 8.4 |
| Q3728 | 5.1 | GND | 5.8 |
| Q3729 | 4.6 | GND | 5.3 |
| Q3731 | 2.5 | 7.7 | 1.8 |
| Q3732 | 7.7 | 5.1 | 8.5 |
| Q3733 | 0.7 | 0 | GND |
| Q3734 | 0 | 0 | GND |

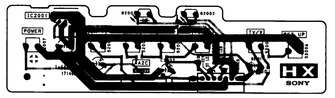
All Voltage are in V

**PX BOARD**

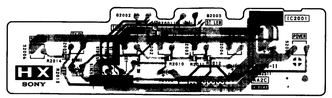
| | CHODE | * |
|---|---|---|
| D3302 | C-2 | ⑥ |
| D3303 | C-2 | ⑥ |
| D3313 | B-2 | ⑥ |
| D3314 | B-2 | ⑥ |
| | IC | |
| IC3301 | C-3 | |
| IC3302 | C-2 | |
| IC3303 | B-4 | |
| IC3304 | B-4 | |
| IC3306 | A,3,G-3 | |
| IC3307 | B-1 | |
| IC3308 | A-3 | |
| IC3309 | B-1 | |
| | TRANSISTOR | * |
| Q3301 | D-3 | ① |
| Q3302 | D-3 | ① |
| Q3303 | D-3 | ① |
| Q3305 | C-2 | ① |
| Q3306 | E-2 | ① |
| Q3307 | C-1 | ① |
| Q3308 | C-1 | ① |
| Q3309 | E-1 | ① |
| Q3310 | D-1 | ① |
| Q3311 | C-3 | ① |
| Q3318 | B-3 | ① |
| Q3319 | B-2 | ① |
| Q3320 | B-3 | ① |
| Q3325 | F-3 | ① |
| Q3326 | F-3 | ① |
| Q3327 | F-3 | ① |
| Q3330 | A-2 | ① |
| Q3332 | C-1 | ① |
| Q3339 | C-1 | ① |
| Q3342 | C-1 | ① |
| Q3343 | B-2 | ① |
| Q3344 | E-3 | ① |
| Q3345 | E-3 | ① |
| Q3346 | E-2 | ① |
| Q3347 | F-3 | ① |

## HX [ REMOTE SENSOR, LED, KEY ] (KV-SXBR88 ONLY)

– HX BOARD –



< Component Side >



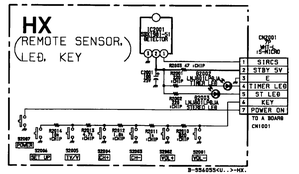
< Conductor Side >

NOTE:
- ■■ : Pattern from the side which enables seeing
- ■■ : Pattern of the rear side.

**HX BOARD IC VOLTAGE LIST**

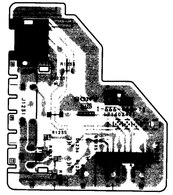
| | | |
|---|---|---|
| IC2001 | 1 | 5.2 |
| | 2 | 5.2 |
| | 3 | GND |

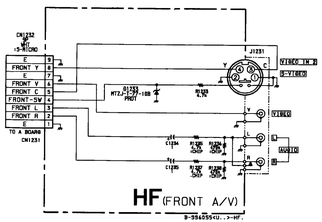
All Voltage are in V
Pin numbers which are not
described are not used.




## HF [ FRONT A/V ]

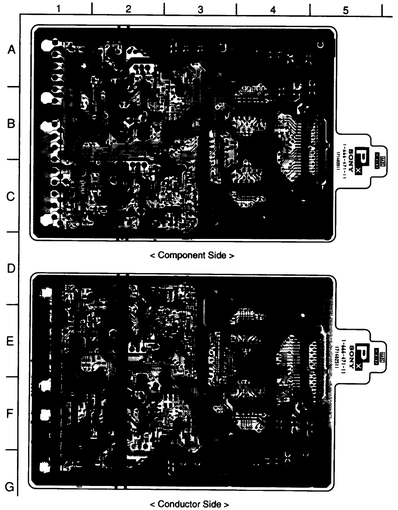
– HF BOARD –






## PX [ MULTI PIP ]

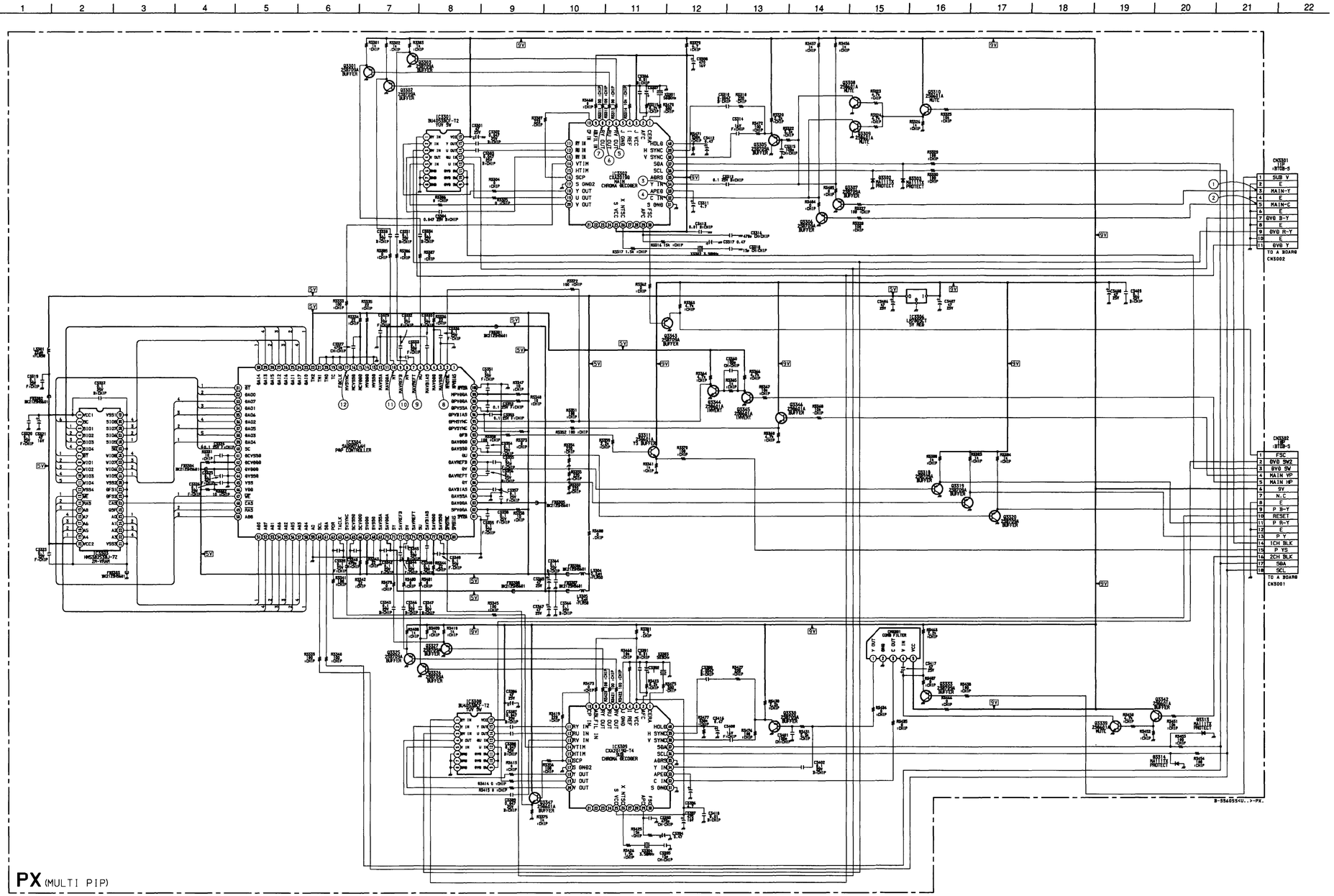
– PX BOARD –



< Component Side >

< Conductor Side >

NOTE:
- ■■ : Pattern from the side which enables seeing
- ■■ : Pattern of the rear side.




## PX BOARD IC VOLTAGE LIST

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IC3301 | 1 | 0.2 | | 13 | 3.3 | | 36 | 1.0 | | 98 | 5.3 |
| | 2 | 0 | | 14 | 2.0 | | 37 | 1.0 | | 99 | 5.3 |
| | 3 | 3.4 | | 15 | 1.4 | | 38 | 1.0 | | 100 | GND |
| | 4 | 2.9 | | 16 | 1.3 | | 39 | 1.0 | IC3306 | 1 | 9.0 |
| | 5 | 2.9 | | 17 | 1.4 | | 40 | 0 | | 0 | 5.3 |
| | 6 | GND | | 18 | 1.3 | | 41 | GND | | G | GND |
| | 7 | GND | | 19 | 1.3 | | 42 | 5.1 | IC3308 | 1 | 0 |
| | 8 | GND | | 20 | 5.3 | | 43 | 5.3 | | 2 | 2.9 |
| | 9 | 0 | | 21 | GND | | 44 | GND | | 3 | 3.4 |
| | 10 | 0 | | 22 | 1.3 | | 45 | GND | | 4 | 2.9 |
| | 11 | 0 | | 23 | 1.3 | | 46 | 5.3 | | 5 | 2.9 |
| | 12 | 0 | | 24 | 1.2 | | 47 | 3.3 | | 6 | GND |
| | 13 | 3.5 | | 25 | 1.2 | | 48 | 3.0 | | 7 | GND |
| | 14 | 2.9 | | 27 | 3.0 | | 49 | 2.0 | | 8 | GND |
| | 15 | 3.3 | | 28 | GND | | 50 | 1.4 | | 9 | 0.5 |
| | 16 | 9.0 | | 29 | GND | | 51 | 1.3 | | 10 | 0.5 |
| IC3302 | 1 | 2.3 | | 30 | GND | | 52 | 1.3 | | 11 | 0.5 |
| | 2 | 4.1 | | 31 | 1.0 | | 53 | 1.3 | | 12 | 2.9 |
| | 3 | 8.6 | | 32 | 1.0 | | 54 | 1.3 | | 13 | 3.5 |
| | 4 | 1.8 | | 33 | 0.8 | | 55 | 1.3 | | 14 | 2.9 |
| | 5 | GND | | 34 | 0.9 | | 56 | 1.3 | | 15 | 2.9 |
| | 6 | 2.9 | | 35 | GND | | 57 | 1.3 | | 16 | 9.0 |
| | 7 | 2.9 | | 36 | 0.3 | | 58 | 1.3 | IC3309 | 1 | 2.3 |
| | 8 | 3.3 | | 37 | 0.2 | | 59 | GND | | 2 | 4.1 |
| | 9 | 8.6 | | 38 | 0.3 | | 60 | 4.7 | | 3 | 8.6 |
| | 10 | 0.8 | | 39 | 0.2 | | 61 | 4.7 | | 4 | 1.8 |
| | 11 | 4.5 | | 40 | GND | | 62 | 5.3 | | 5 | GND |
| | 12 | 4.5 | IC3304 | 1 | 1.7 | | 63 | GND | | 6 | 2.9 |
| | 13 | 4.5 | | 2 | 1.0 | | 64 | 0.3 | | 7 | 2.9 |
| | 14 | 0.3 | | 3 | GND | | 65 | GND | | 8 | 2.9 |
| | 15 | 0.8 | | 4 | 5.1 | | 66 | 5.0 | | 9 | 8.7 |
| | 16 | 0.8 | | 5 | 2.5 | | 67 | 4.9 | | 10 | 0.8 |
| | 17 | GND | | 6 | 1.4 | | 68 | GND | | 11 | 2.9 |
| | 18 | 3.3 | | 7 | 2.2 | | 69 | GND | | 12 | 4.3 |
| | 19 | 2.9 | | 8 | 1.4 | | 70 | 5.3 | | 13 | 4.3 |
| | 20 | 2.9 | | 9 | 0.5 | | 71 | 0.5 | | 14 | 0.3 |
| | 25 | 8.6 | | 10 | 0.9 | | 72 | 0.5 | | 15 | 0.8 |
| | 26 | 2.4 | | 11 | 5.3 | | 73 | 1.4 | | 16 | 0.8 |
| | 29 | 5.2 | | 12 | GND | | 74 | 2.3 | | 17 | GND |
| | 30 | 1.5 | | 13 | GND | | 75 | 1.4 | | 18 | 2.8 |
| | 31 | GND | | 14 | 4.9 | | 76 | 2.5 | | 19 | 2.9 |
| | 32 | 5.8 | | 15 | 5.0 | | 77 | 5.1 | | 20 | 2.9 |
| | 33 | 4.0 | | 16 | GND | | 78 | GND | | 25 | 8.7 |
| | 34 | 4.4 | | 17 | 0.3 | | 79 | 0.5 | | 26 | 2.3 |
| | 35 | 8.6 | | 18 | GND | | 80 | 1.7 | | 29 | 5.2 |
| | 36 | 4.7 | | 19 | GND | | 81 | GND | | 31 | GND |
| | 37 | 4.7 | | 20 | GND | | 82 | 5.3 | | 32 | 4.7 |
| | 38 | 3.8 | | 21 | GND | | 83 | 5.3 | | 33 | 3.8 |
| | 39 | 3.2 | | 22 | 5.3 | | 84 | GND | | 34 | 3.9 |
| | 40 | 2.7 | | 23 | 0.4 | | 85 | 1.1 | | 35 | GND |
| IC3303 | 1 | 5.3 | | 24 | 0.3 | | 86 | 0.5 | | 36 | 4.7 |
| | 2 | 0 | | 25 | 0.3 | | 87 | 2.4 | | 37 | 4.7 |
| | 3 | 0.4 | | 26 | 0.3 | | 88 | 1.3 | | 38 | 3.9 |
| | 4 | 0.3 | | 27 | 0.3 | | 89 | 0.5 | | 39 | 3.1 |
| | 5 | 0.3 | | 28 | 0.3 | | 90 | 1.3 | | 40 | 0.8 |
| | 6 | 0.3 | | 29 | 0.3 | | 91 | GND | CM3301 | 1 | 4.7 |
| | 7 | 5.3 | | 30 | 0.3 | | 92 | 5.3 | | 2 | GND |
| | 8 | 0.9 | | 31 | 5.3 | | 93 | 0 | | 3 | 4.7 |
| | 9 | 0.5 | | 32 | 0.9 | | 94 | 0.5 | | 4 | 4.7 |
| | 10 | 1.0 | | 33 | 0.9 | | 95 | 1.0 | | 5 | 9.0 |
| | 11 | 1.0 | | 34 | 0.5 | | 96 | 1.7 | | | |
| | 12 | GND | | 35 | 0.8 | | 97 | GND | All Voltage are in V | | |

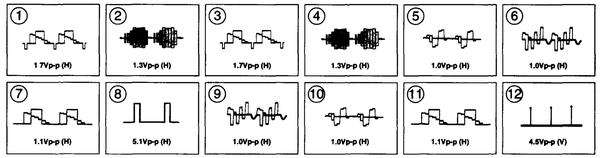
Pin numbers which are not described are not used

## PX BOARD TRANSISTOR VOLTAGE LIST

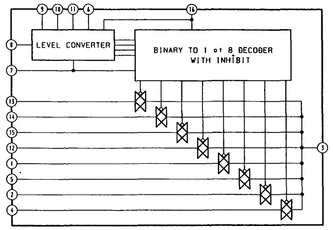
| | B | C | E |
|---|---|---|---|
| Q3301 | 2.9 | GND | 3.6 |
| Q3302 | 3.3 | GND | 3.9 |
| Q3303 | 2.9 | GND | 3.6 |
| Q3305 | 5.8 | GND | 6.4 |
| Q3306 | 5.1 | GND | 5.8 |
| Q3307 | 5.1 | GND | 5.8 |
| Q3308 | 0 | 5.8 | GND |
| Q3309 | 0 | 5.7 | GND |
| Q3310 | 0 | 9.0 | 0 |
| Q3311 | 0 | 9.0 | 0 |
| Q3318 | 1.3 | GND | 2.0 |
| Q3319 | 0.5 | GND | 1.2 |
| Q3320 | 1.3 | GND | 2.0 |
| Q3325 | 2.9 | GND | 3.6 |
| Q3326 | 2.8 | GND | 3.5 |
| Q3327 | 2.9 | GND | 3.5 |
| Q3330 | 4.8 | GND | 5.4 |
| Q3333 | 5.1 | GND | 5.7 |
| Q3339 | 0 | 5.7 | GND |
| Q3342 | 0 | 9.0 | 0 |
| Q3343 | 1.5 | GND | 2.2 |
| Q3344 | 0.7 | 1.0 | GND |
| Q3345 | -0.4 | 1.3 | GND |
| Q3346 | 0.7 | 9.0 | 0.5 |
| Q3347 | 0.8 | 9.0 | 0.6 |

All Voltage are in V

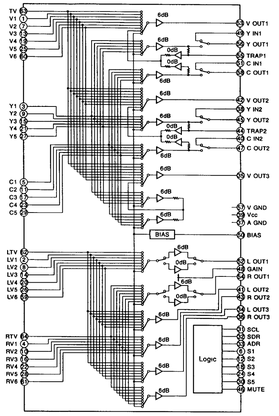
## • PX BOARD WAVEFORMS



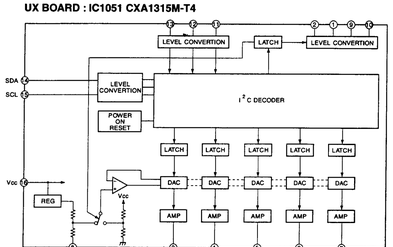

## PX BOARD : IC3301 BU4053BCF-T2



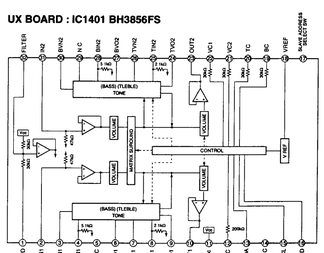
## UX BOARD : IC261 CXA1845Q



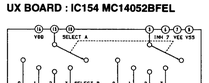

## UX BOARD : IC1051 CXA1315M-T4



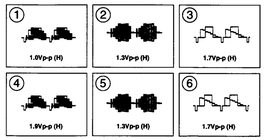

## UX BOARD : IC1401 BH3856FS




## UX BOARD : IC154 MC14052BFEL




## • UX BOARD WAVEFORMS




## UX BOARD IC VOLTAGE LIST

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| IC151 | 1 | 4.4 | | 12 | 4.5 | | 39 | 8.9 |
| | 2 | 4.5 | | 13 | 4.5 | | 42 | 4.4 |
| | 3 | 4.5 | | 14 | 4.5 | | 46 | GND |
| | 4 | 8.9 | IC156 | 1 | 0 | | 48 | GND |
| | 5 | 4.4 | | 2 | 7.3 | | 49 | 4.5 |
| | 6 | 4.5 | | 3 | 7 | | 50 | 4.5 |
| | 7 | 4.4 | | 4 | 8.9 | | 51 | 4.5 |
| | 8 | 4.4 | | 5 | 2.8 | | 52 | 4.6 |
| | 9 | 4.5 | | 6 | 0 | | 53 | 4.4 |
| | 10 | 4.4 | | 7 | 7.6 | | 54 | 4.6 |
| | 11 | GND | | 8 | 7.8 | | 55 | 4.4 |
| | 12 | 4.5 | | 9 | 1.7 | | 56 | 4.5 |
| | 13 | 4.5 | | 10 | 5.9 | | 57 | GND |
| | 14 | 4.5 | | 11 | GND | | 58 | 4.5 |
| IC152 | 1 | 4.4 | | 12 | 2.9 | | 59 | 4.5 |
| | 2 | 4.5 | | 13 | 5.9 | | 60 | 4.5 |
| | 3 | 4.5 | | 14 | 0 | | 61 | 4.5 |
| | 4 | 8.9 | IC157 | 1 | 4.4 | | 62 | 4.5 |
| | 5 | 4.5 | | 2 | 4.4 | | 63 | 4.5 |
| | 6 | 4.5 | | 3 | 4.4 | | 64 | 4.6 |
| | 7 | 4.5 | | 4 | 4.4 | IC1051 | 1 | 0.2 |
| | 8 | 4.5 | | 5 | 4.4 | | 2 | 0.2 |
| | 9 | 4.5 | | 6 | GND | | 3 | 0.4 |
| | 10 | 4.5 | | 7 | GND | | 8 | GND |
| | 11 | GND | | 8 | GND | | 9 | 0.2 |
| | 12 | 4.5 | | 9 | 7.8 | | 11 | GND |
| | 13 | 4.5 | | 10 | 0 | | 12 | 8.8 |
| | 14 | 4.5 | | 11 | 4.5 | | 13 | GND |
| IC153 | 1 | 0 | | 12 | 4.5 | | 14 | 4.7 |
| | 2 | 4.4 | | 13 | 4.5 | | 15 | 4.7 |
| | 3 | 4.4 | | 14 | 4.5 | | 16 | 8.9 |
| | 4 | 8.9 | | 15 | 4.5 | IC1401 | 1 | 4.4 |
| | 5 | 0 | | 16 | 8.9 | | 2 | 4.4 |
| | 6 | 4.5 | IC161 | 1 | 4.5 | | 3 | 4.4 |
| | 7 | 4.5 | | 2 | 4.5 | | 4 | 4.4 |
| | 8 | 4.5 | | 3 | 4.5 | | 6 | 4.4 |
| | 9 | 4.5 | | 4 | 4.5 | | 7 | 4.4 |
| | 10 | 4.5 | | 5 | 4.5 | | 8 | 4.4 |
| | 11 | GND | | 6 | 4.2 | | 9 | 4.4 |
| | 12 | 4.5 | | 7 | 4.5 | | 10 | 4.4 |
| | 13 | 4.5 | | 8 | 4.5 | | 11 | 8.9 |
| | 14 | 4.5 | | 9 | 4.5 | | 12 | 4 |
| IC154 | 1 | 4.4 | | 10 | 4.5 | | 13 | 4.7 |
| | 2 | 4.4 | | 11 | 4.5 | | 15 | 4.8 |
| | 3 | 4.4 | | 12 | 0 | | 16 | GND |
| | 4 | 4.4 | | 14 | 4.5 | | 17 | 4 |
| | 5 | 4.4 | | 15 | 4.5 | | 18 | 4 |
| | 6 | GND | | 16 | 4.5 | | 19 | 2 |
| | 7 | GND | | 17 | 4.5 | | 20 | 2 |
| | 8 | GND | | 18 | 0 | | 21 | 2.2 |
| | 9 | 0.2 | | 19 | 4.5 | | 22 | 2.2 |
| | 10 | 0.2 | | 20 | 4.5 | | 23 | 4.4 |
| | 11 | 4.5 | | 21 | 4.5 | | 24 | 4.4 |
| | 12 | 4.5 | | 22 | 4.5 | | 25 | 4.4 |
| | 13 | 4.5 | | 23 | 4.5 | | 26 | 4.4 |
| | 14 | 4.5 | | 24 | 4.5 | | 27 | 4.4 |
| | 15 | 4.5 | | 25 | 4.5 | | 28 | 4.4 |
| | 16 | 8.9 | | 26 | 4.5 | | 30 | 3.5 |
| IC155 | 1 | 4.4 | | 27 | 4.5 | | 31 | 4.4 |
| | 2 | 4.4 | | 28 | 4.5 | | 32 | 5.2 |
| | 3 | 4.4 | | 29 | 4.5 | IC1402 | 1 | 4.3 |
| | 4 | 8.9 | | 30 | 0 | | 2 | 4.4 |
| | 5 | 4.4 | | 31 | 4.8 | | 3 | 4.4 |
| | 6 | 7.3 | | 32 | 4.7 | | 4 | GND |
| | 7 | 0.9 | | 33 | GND | | 5 | 4.4 |
| | 8 | 0 | | 34 | 4.5 | | 6 | 4.5 |
| | 9 | 8.9 | | 35 | 4.4 | | 7 | 4.4 |
| | 10 | 4.5 | | 36 | 4.6 | | 8 | 8.9 |
| | 11 | GND | | 37 | OUT | All Voltage are in V | | |

Pin numbers which are not described are not used.

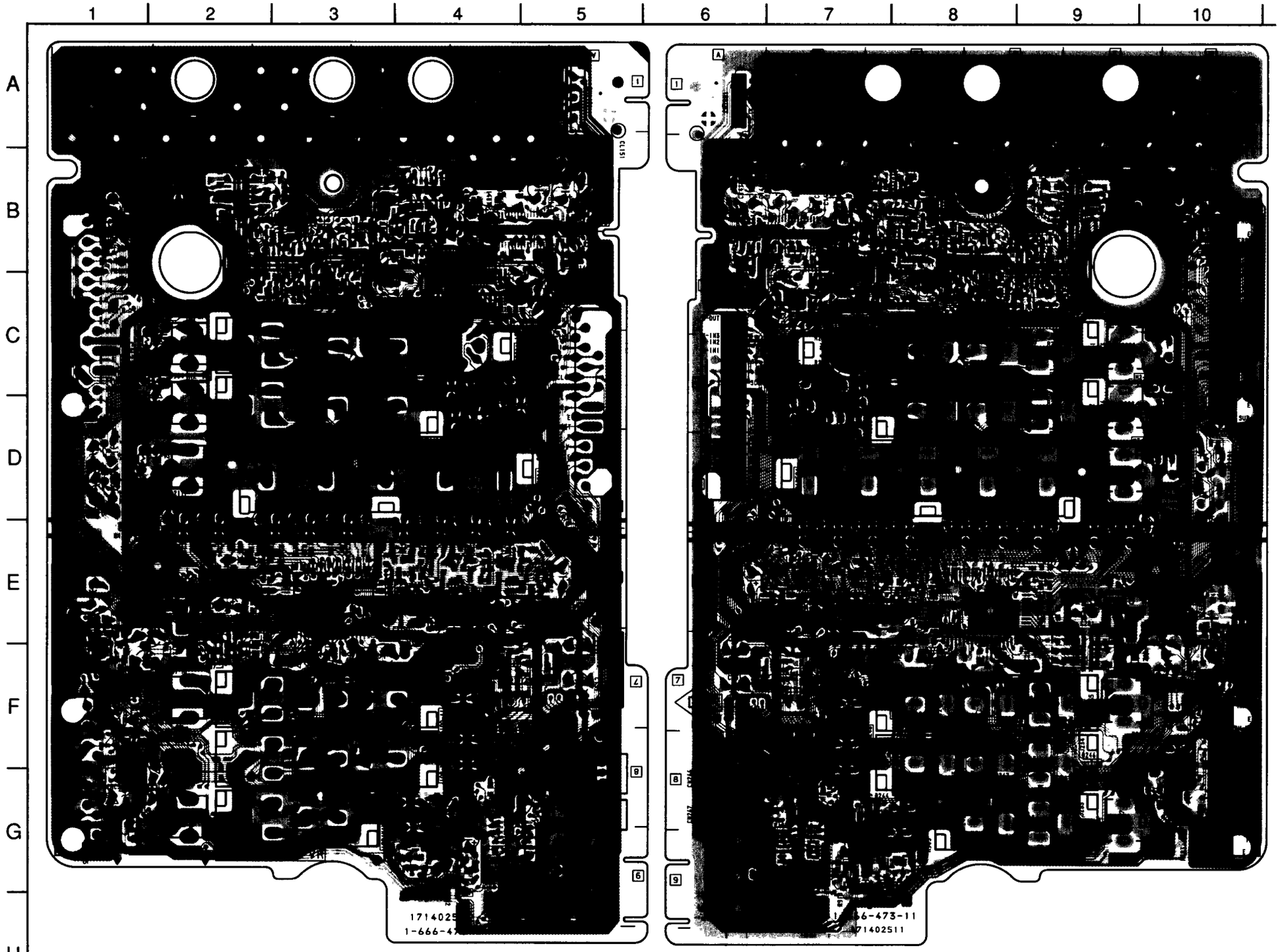
## UX BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E |
|---|---|---|---|
| Q202 | 2.8 | 7.8 | 2.2 |
| Q203 | 2.7 | 7.8 | 2.2 |
| Q205 | 7.8 | 4.1 | 8.4 |
| Q206 | 7.8 | 4.0 | 8.4 |
| Q208 | 14.1 | 8.9 | 3.5 |
| Q209 | 4.0 | 8.9 | 3.5 |
| Q210 | 2.9 | 7.8 | 2.2 |
| Q211 | 7.8 | 4.2 | 8.5 |
| Q212 | 4.2 | 8.9 | 3.5 |
| Q231 | -0.8 | 5.1 | GND |
| Q233 | -1.2 | 0 | GND |
| Q234 | -1.2 | 0 | GND |
| Q235 | 0 | 0 | GND |
| Q236 | 0 | 0 | GND |
| Q237 | 4.4 | GND | 5.1 |
| Q238 | 4.5 | GND | 5.2 |
| Q239 | 4.6 | GND | 5.1 |
| Q240 | -0.3 | 5.1 | GND |
| Q241 | -0.3 | 5.1 | GND |
| Q242 | -0.3 | 5.1 | GND |
| Q243 | 4.4 | GND | 5.1 |
| Q244 | 4.4 | GND | 5.1 |
| Q245 | 4.4 | GND | 5.1 |
| Q246 | 0 | 5.1 | GND |
| Q263 | 4.4 | GND | 5.1 |
| Q264 | 4.5 | GND | 5.1 |
| Q265 | 4.8 | 8.9 | 4.2 |
| Q266 | 4.4 | GND | 5.0 |
| Q267 | 0.3 | GND | 1.0 |
| Q268 | 2.2 | GND | 2.9 |
| Q1051 | 8.8 | -8.7 | 8.6 |

All Voltage are in V

# UX [ AV SW, AUDIO CONTROL, SRS ]

**–UX BOARD –**




< Component Side >

< Conductor Side >

## UX BOARD

| DIODE | | * |
|---|---|---|
| D151 | B-7 | ③ |
| D152 | B-7 | ③ |
| D154 | B-3 | ③ |
| D201 | E-7 | – |
| D202 | E-7 | – |
| D203 | E-7 | – |
| D204 | E-2,E-9 | – |
| D205 | E-2,E-10 | – |
| D231 | C-7 | – |
| D232 | D-4,D-7 | – |
| D233 | D-4,D-7 | – |
| D234 | C-4,C-7 | – |
| D235 | E-3,E-8 | – |
| D236 | E-3,E-8 | – |
| D237 | D-4,D-7 | – |
| D238 | E-3,E-9 | – |
| D239 | E-2,E-9 | – |
| D245 | F-7 | ③ |
| D246 | F-9 | ③ |
| D247 | E-1 | ③ |
| D248 | G-9 | ③ |
| D249 | E-1 | ③ |
| D250 | F-10 | ③ |
| D261 | F-3,F-8 | – |
| D902 | G-2 | – |
| D910 | C-2,C-10 | – |
| D911 | D-2 | – |
| D912 | D-2,D-10 | – |
| D1051 | G-7 | ③ |
| D1052 | G-6 | ③ |
| D2201 | D-1,D-10 | – |
| D2202 | D-1,D-10 | – |
| D2203 | D-1,D-10 | – |

| IC | |
|---|---|
| IC151 | B-3 |
| IC152 | B-2 |
| IC153 | B-3 |
| IC154 | C-4 |
| IC155 | B-4 |
| IC156 | B-4 |
| IC157 | C-4 |
| IC261 | E-3 |
| IC1051 | G-4 |
| IC1401 | B-5 |
| IC1402 | B-5 |

| TRANSISTOR | | * |
|---|---|---|
| Q202 | E-7 | ① |
| Q203 | E-8 | ① |
| Q205 | E-7 | ① |
| Q206 | E-8 | ① |
| Q208 | E-7 | ① |
| Q209 | E-7 | ① |
| Q210 | E-1 | ② |
| Q211 | D-2 | ② |
| Q212 | D-1 | ② |
| Q231 | F-7 | ① |
| Q233 | F-8 | ① |
| Q234 | F-9 | ① |
| Q235 | G-8 | ① |
| Q236 | G-9 | ① |
| Q237 | F-5 | ② |
| Q238 | F-5 | ② |
| Q239 | F-5 | ② |
| Q240 | E-10 | ① |
| Q241 | E-10 | ① |
| Q242 | F-10 | ① |
| Q243 | F-9 | ① |
| Q244 | F-9 | ① |
| Q245 | F-9 | ① |
| Q246 | F-7 | ① |
| Q262 | E-4 | ② |
| Q263 | F-6 | ① |
| Q264 | E-4 | ② |
| Q265 | E-2 | ② |
| Q266 | F-8 | ① |
| Q267 | F-1 | ② |
| Q268 | G-5 | ② |
| Q1051 | G-6 | ① |

NOTE:

- Pattern from the side which enables seeing
- : Pattern of the rear side.

## C BOARD IC VOLTAGE LIST

| | | |
|---|---|---|
| IC1761 | 1 | 3 6 |
| | 2 | 9 1 |
| | 3 | 6 6 |
| | 4 | GND |
| | 5 | 6 6 |
| | 6 | 217 0 |
| | 7 | 150 0 |
| | 8 | 152 0 |
| | 9 | 149 0 |
| IC1762 | 1 | 3 6 |
| | 2 | 9 10 |
| | 3 | 3 6 |
| | 4 | GND |
| | 5 | 5 9 |
| | 6 | 217 0 |
| | 7 | 156 0 |
| | 8 | 158 0 |
| | 9 | 155 0 |
| IC1763 | 1 | 3 6 |
| | 2 | 9 1 |
| | 3 | 3 5 |
| | 4 | GND |
| | 5 | 3 8 |
| | 6 | 217 |
| | 7 | 152 |
| | 8 | 154 |
| | 9 | 151 |

All Voltage are in V
Pin numbers which are not not described are not used.

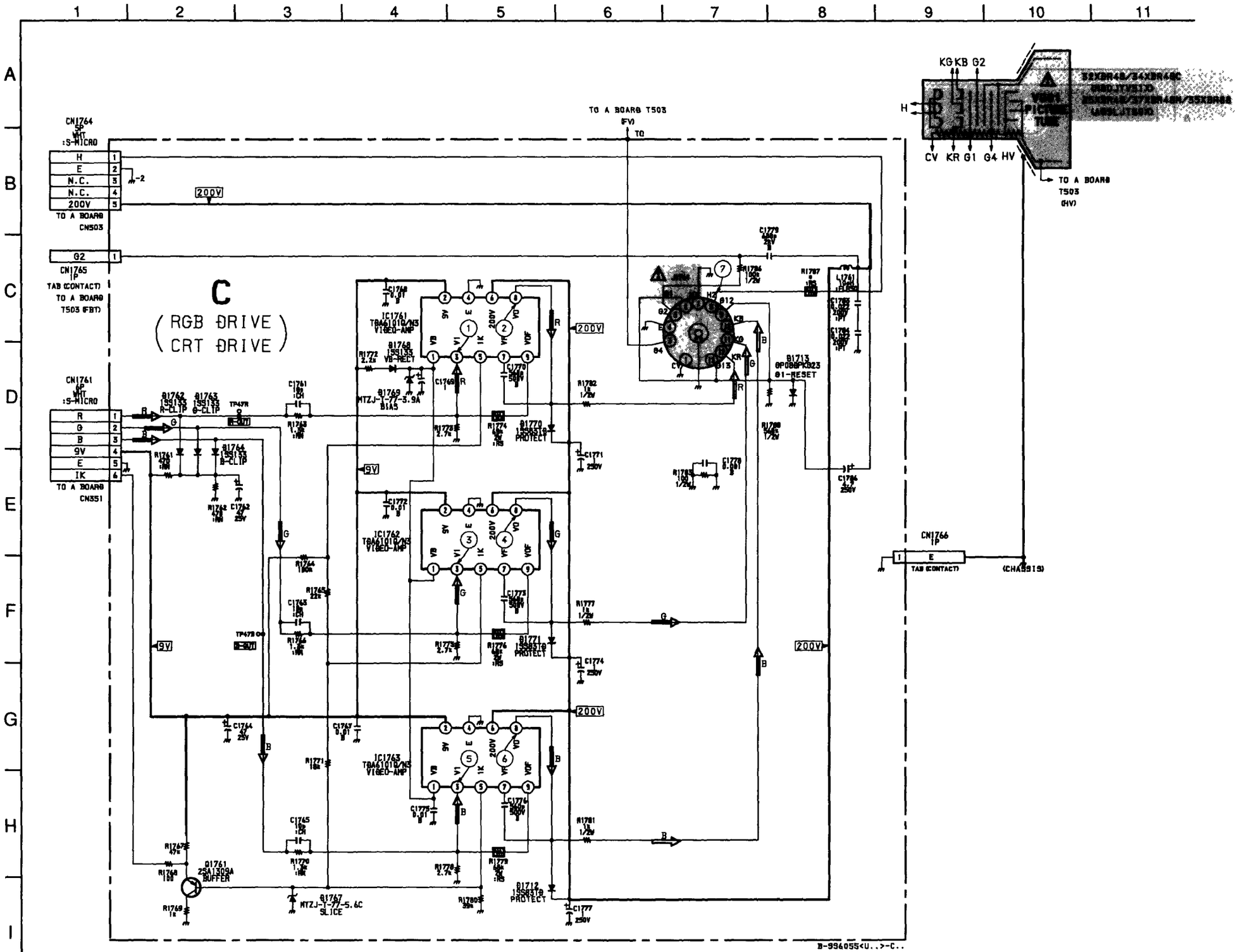
## C BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E |
|---|---|---|---|
| Q761 | 3 9 | 0 2 | 3 4 |

All Voltage are in V

## C BOARD ＊MARK LIST

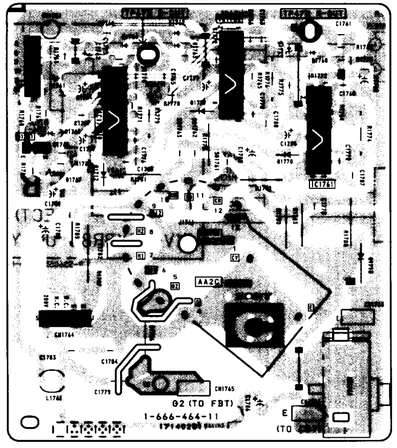
| | KX-35XBR48/35XBR88/37XBR48M | KV-32XBR48/34XBR48C |
|---|---|---|
| R1787 | 2 7 2W RS | 0 47 2W RS |



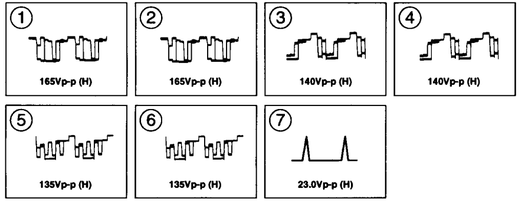

Schematic diagrams
C board ➡

## C [ RGB DRIVE, CRT DRIVE ]

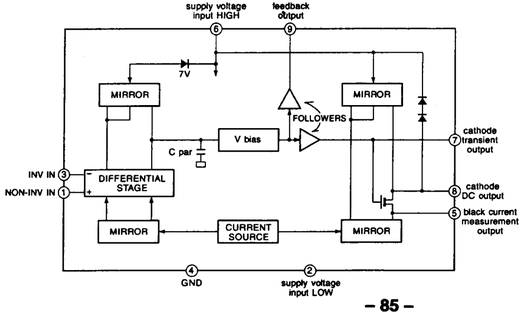
– C BOARD –



• C BOARD WAVEFORMS



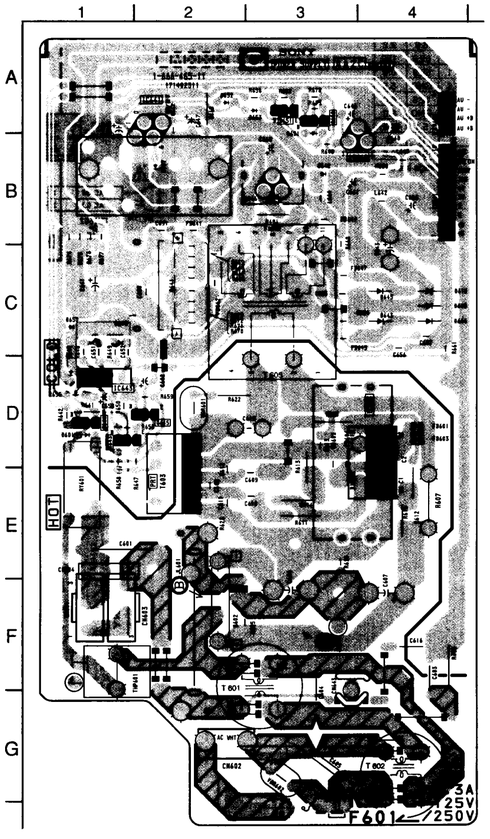

C BOARD : IC1761, 1762, 1763 TDA6101Q/N3





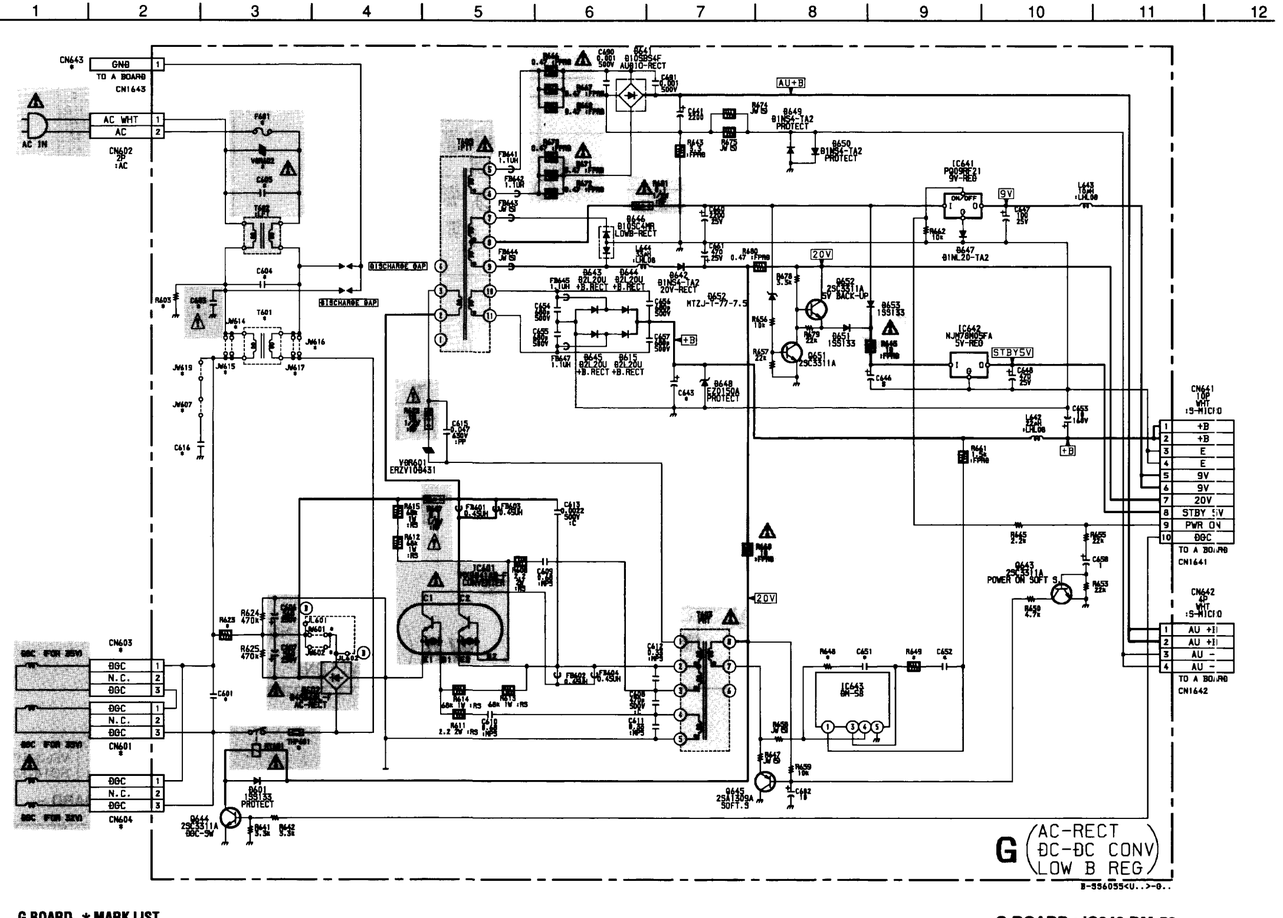

## G [ AC RECT, DC-DC CONV, LOW B REG ]

– G BOARD –




**G BOARD**

| DIODE | | * |
|---|---|---|
| D601 | D-1 | – |
| D602 | F-2 | – |
| D615 | C-4 | – |
| D641 | C-2 | – |
| D642 | B-3 | – |
| D643 | C-4 | – |
| D644 | C-4 | – |
| D645 | C-4 | – |
| D646 | B-3 | – |
| D647 | B-2 | – |
| D648 | C-4 | – |
| D649 | D-1 | – |
| D650 | C-1 | – |
| D651 | A-3 | – |
| D652 | A-2 | – |
| D653 | A-3 | – |
| **IC** | | |
| IC601 | D-4 | |
| IC641 | A-2 | |
| IC642 | B-3 | |
| IC643 | D-1 | |
| **TRANSISTOR** | | * |
| Q643 | D-1 | – |
| Q644 | D-1 | – |
| Q645 | D-2 | – |
| Q651 | A-3 | – |
| Q652 | A-3 | – |




**G BOARD * MARK LIST**

| | KV-35XBR48/35XBR88/37XBR48M | KV-32XBR48 | KV-34XBR48C |
|---|---|---|---|
| C601 | 0.22 250V | – | – |
| C605 | 0.47 125V | 0.47 125V | 0.47 300V |
| C643 | 220 160V | 220 160V | 33 160V : HR |
| C651 | 0.0022 : PT | 0.0022 : PT | 0.01 : PT |
| C652 | 0.0022 200V : PT | 0.0022 200V : PT | 0.001 200V : PT |
| CN601 | 3P WHT : MINI | – | – |
| CN603 | 3P WHT : MINI | – | – |
| CN604 | | 1-508-765-21 | 1-508-765-21 |
| F601 | 6.3A 125V | 6.3A 125V | 6.3A |
| JW601 | 5MM | 5MM | – |
| JW602 | 5MM | 5MM | – |
| R603 | 2.2M 1/2W 10% : RC | 2.2M 1/2W 10% : RC | 8.2M 1W |
| R623 | 0.82 20W : RB | 0.82 20W : RB | 3.3 20W : RB |
| R648 | 220K | 220K | 330K |
| R649 | 4.7K : FPRD | 4.7K : FPRD | 22K : FPRD |
| THP601 | 1-809-539-11 | 1-809-539-11 | 1-809-827-11 |
| VDR602 | ERZV10D271 | ERZV10D471 | ERZV10D271 |

– : Not mounted

**G BOARD IC VOLTAGE LIST**

| | | | | | |
|---|---|---|---|---|---|
| IC601 | B1 | -235.0 | IC642 | I | 9.6 |
| | E1 | GND | | O | 5.3 |
| | C1 | -23.4 | | G | GND |
| | B2 | -76.7 | IC643 | 1 | 138.0 |
| | E2 | -74.7 | | 3 | 2.7 |
| | C2 | -77.1 | | 4 | 16.1 |
| IC641 | I | 11.2 | | 5 | GND |
| | O | 9.9 | | | |
| | G | GND | | | |

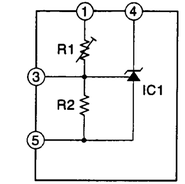
All Voltage are in V.
Pin numbers which are not described are not used.

**G BOARD TRANSISTOR VOLTAGE LIST**

| | B | C | E |
|---|---|---|---|
| Q643 | 0 | 18.1 | GND |
| Q644 | 0.2 | 18.1 | GND |
| Q645 | 18.1 | GND | 16.1 |
| Q651 | 0.8 | 0 | GND |
| Q652 | 0 | 18.0 | 0 |

All Voltage are in V.

**G BOARD : IC643 DM-58**

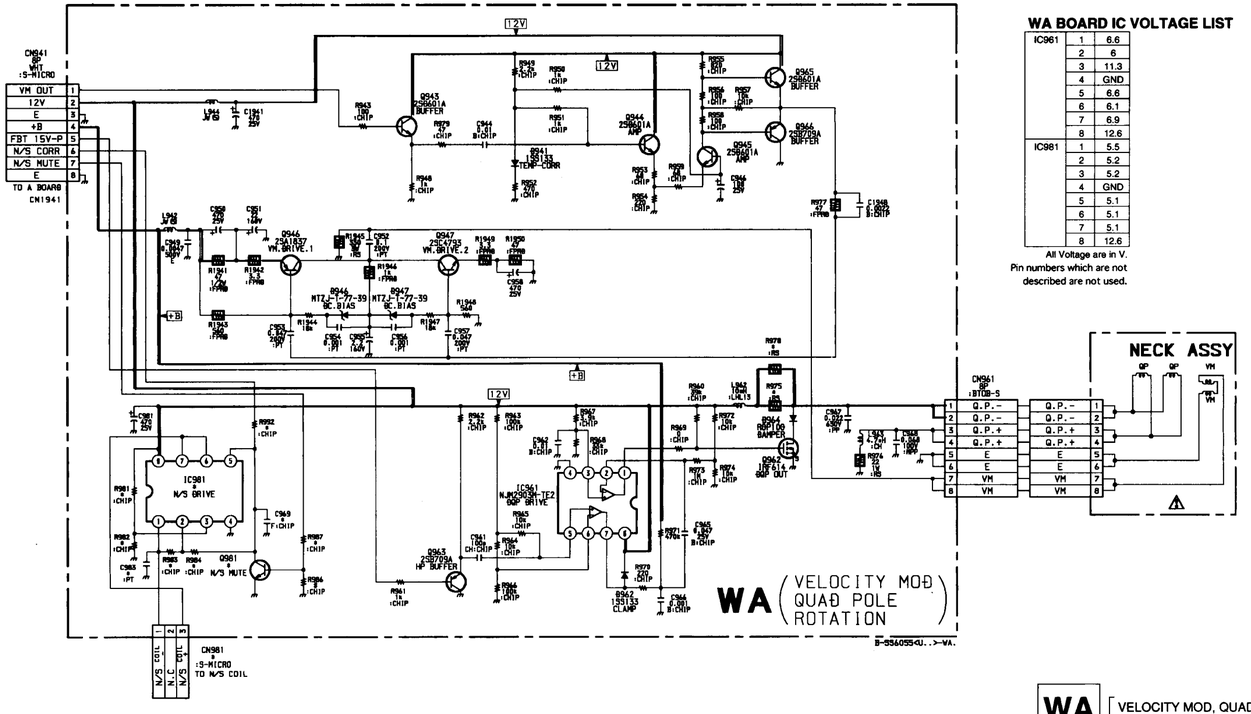



Schematic diagrams
← G board





Schematic diagrams
WA FA FB board →







**WA BOARD IC VOLTAGE LIST**

| | | |
|---|---|---|
| IC961 | 1 | 6.6 |
| | 2 | 6 |
| | 3 | 11.3 |
| | 4 | GND |
| | 5 | 6.6 |
| | 6 | 6.1 |
| | 7 | 6.9 |
| | 8 | 12.6 |
| IC981 | 1 | 5.5 |
| | 2 | 5.2 |
| | 3 | 5.2 |
| | 4 | GND |
| | 5 | 5.1 |
| | 6 | 5.1 |
| | 7 | 5.1 |
| | 8 | 12.6 |

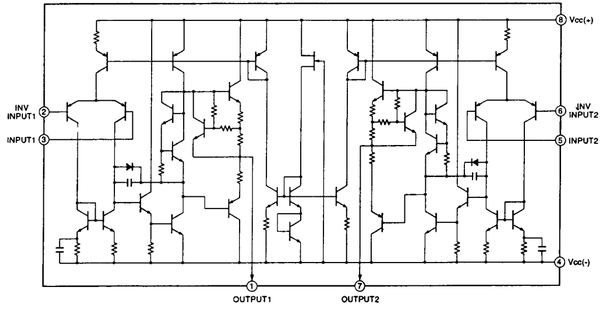
All Voltage are in V.
Pin numbers which are not described are not used.

**WA BOARD TRANSISTOR VOLTAGE LIST**

| | B | C | E |
|---|---|---|---|
| Q943 | 3.2 | 12.6 | 2.5 |
| Q944 | 2.8 | 12.6 | 2.2 |
| Q945 | 2.8 | 8.6 | 2.2 |
| Q946 | 138 | 69.9 | 139 |
| Q947 | 1.1 | 69.9 | 0.6 |
| Q963 | 4.8 | GND | 5.5 |
| Q965 | 9.4 | 12.6 | 9.0 |
| Q966 | 8.6 | GND | 9.0 |
| Q981 | 0 | 5.1 | GND |
| | S | D | G |
| Q962 | GND | 8.6 | 6.6 |

All Voltage are in V.

**WA BOARD : IC981 M5216P**



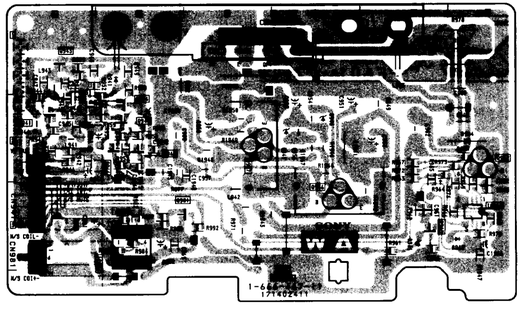

**WA BOARD ＊MARK LIST**

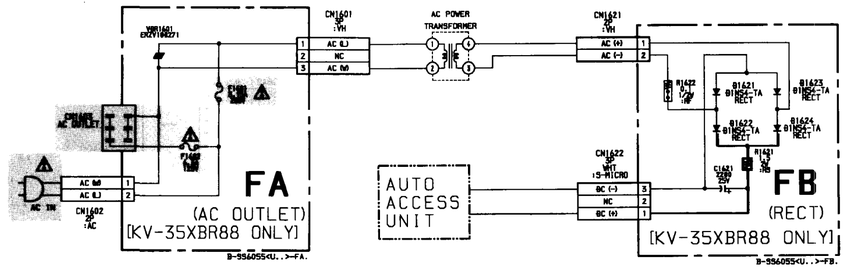
| | KV-35XBR48/35XBR88/37XBR48M | KV-32XBR48/34XBR48C |
|---|---|---|
| C969 | 0.047 F : CHIP | – |
| C983 | 0.0022 : PT | – |
| CN981 | 3P WHT S-MICRO | – |
| IC981 | M5216P | – |
| Q981 | 2SD601A | – |
| R975 | 68 2W : RS | 100 2W : RS |
| R978 | 68 2W : RS | 100 2W : RS |
| R981 | 33K : CHIP | – |
| R982 | 22K : CHIP | – |
| R983 | 15K : CHIP | – |
| R984 | 6.8K : CHIP | – |
| R987 | 1K : CHIP | – |
| R992 | – | 10K : CHIP |

– : Not mounted

**WA** [ VELOCITY MOD, QUAD POLE, ROTATION ]

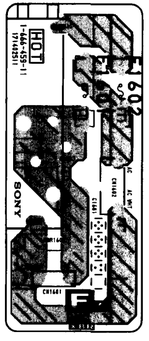
**– WA BOARD –**



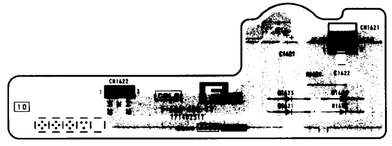

**FA** [ AC OUTLET ]

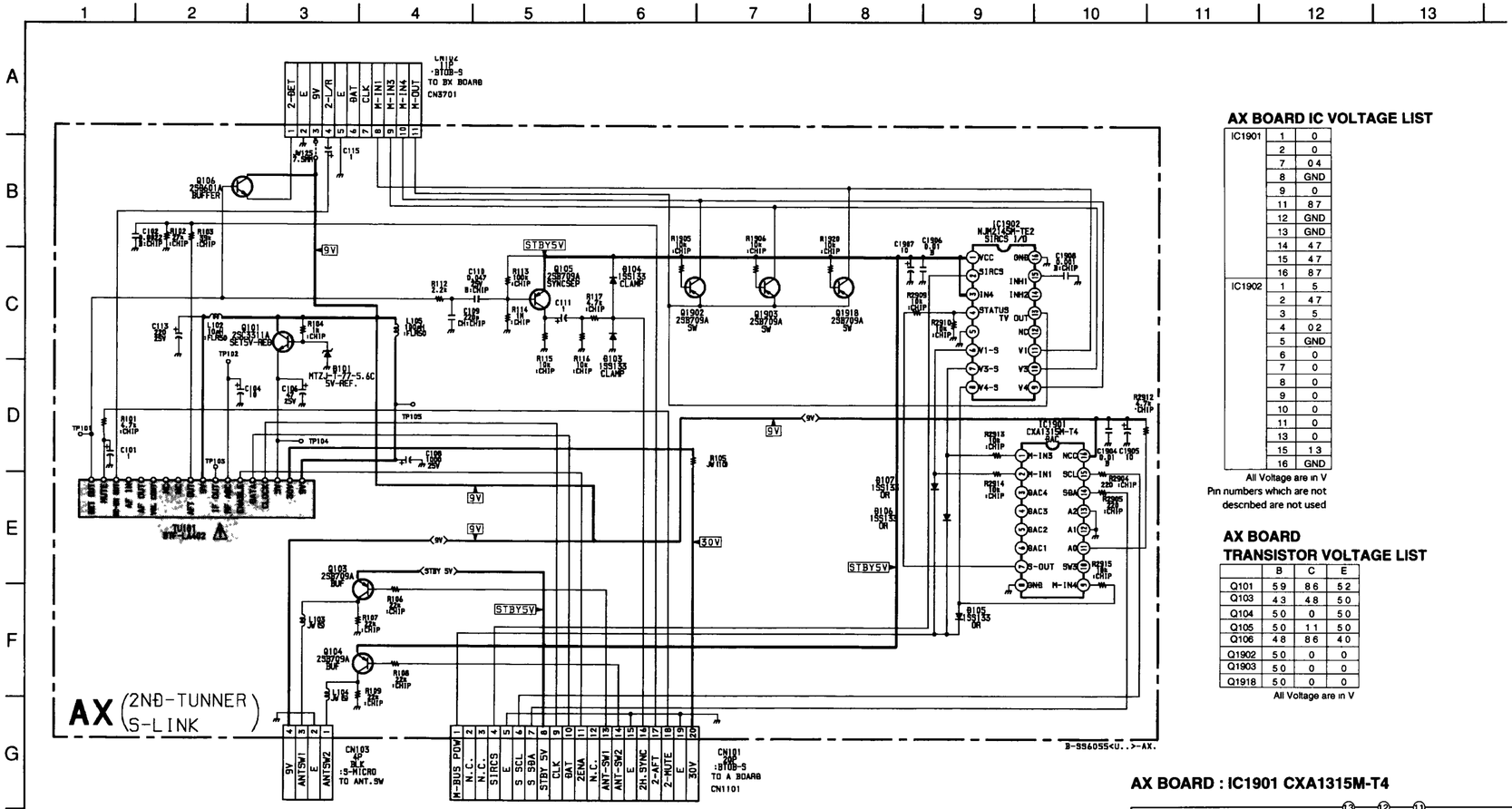
**– FA BOARD –**




**FB** [ RECT ] (KV-35XBR88 ONLY)

**– FB BOARD –**






**AX BOARD IC VOLTAGE LIST**

| | | |
|---|---|---|
| IC1901 | 1 | 0 |
| | 2 | 0 |
| | 7 | 0 4 |
| | 8 | GND |
| | 9 | 0 |
| | 11 | 8 7 |
| | 12 | GND |
| | 13 | GND |
| | 14 | 4 7 |
| | 15 | 4 7 |
| | 16 | 8 7 |
| IC1902 | 1 | 5 |
| | 2 | 4 7 |
| | 3 | 5 |
| | 4 | 0 2 |
| | 5 | GND |
| | 6 | 0 |
| | 7 | 0 |
| | 8 | 0 |
| | 9 | 0 |
| | 10 | 0 |
| | 11 | 0 |
| | 13 | 0 |
| | 15 | 1 3 |
| | 16 | GND |

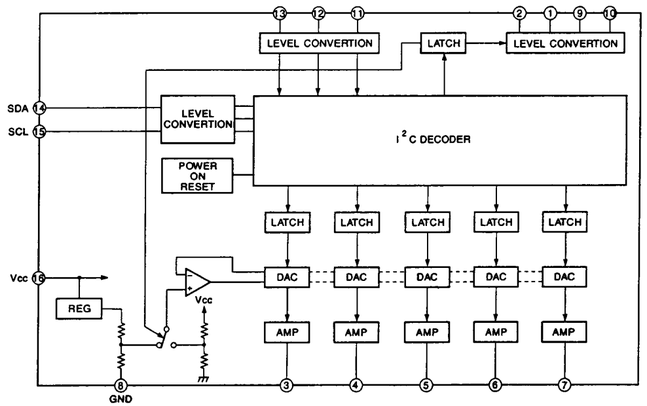
All Voltage are in V
Pin numbers which are not descnbed are not used

**AX BOARD TRANSISTOR VOLTAGE LIST**

| | B | C | E |
|---|---|---|---|
| Q101 | 5 9 | 8 6 | 5 2 |
| Q103 | 4 3 | 4 8 | 5 0 |
| Q104 | 5 0 | 0 | 5 0 |
| Q105 | 5 0 | 1 1 | 5 0 |
| Q106 | 4 8 | 8 6 | 4 0 |
| Q1902 | 5 0 | 0 | 0 |
| Q1903 | 5 0 | 0 | 0 |
| Q1918 | 5 0 | 0 | 0 |

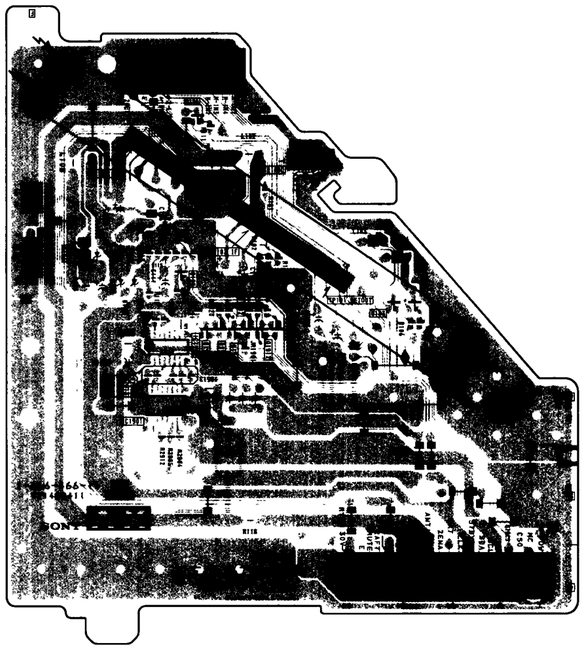
All Voltage are in V

**AX BOARD : IC1901 CXA1315M-T4**




**AX** [ 2ND TUNER, S-LINK ]

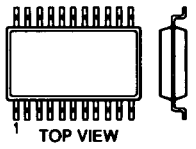
**– AX BOARD –**



**Schematic diagrams**
← **AX** board

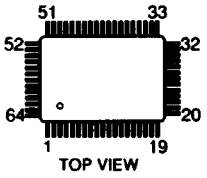
## 5-4. SEMICONDUCTORS

BU4053BCF-T2
CXA1315M
MC14052BF
NJM2145M-TE2

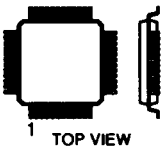



16 pin SOP

CXA1845Q




CXA2019Q

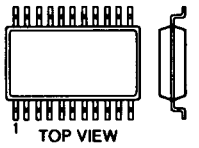



40 pin

CXA2025AS

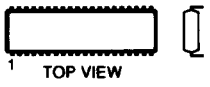



CXA2039M-T6



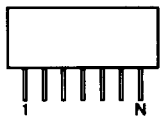

24 pin SOP

CXP85856A-001S




66 pin DIP

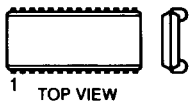
DM-58




MARKING SIDE VIEW

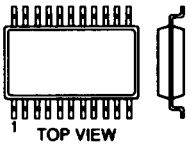
- pin 1 ~ N
- Mt (one side, both side)

HM538253BJ-7Z



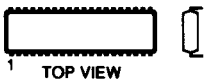

40 pin SOJ

MN47V76ST1
MN47V77ST1



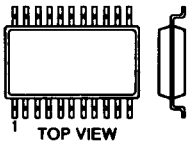

28 pin SOP

NJM2902M



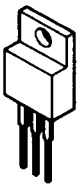

14 pin DIP

NJM2903M
NJM2904M
ST24C02FM6TR
µPC4558G2
X24C04SB

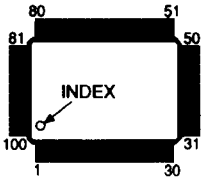



8 pin SOP

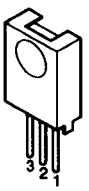
NJM78M05FA
PQ09RF21
TA7805S



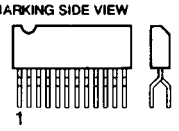
SAB9076AH
µPD6488GF-33A



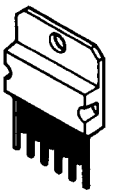

SBX1981-51




TDA6101Q/N3



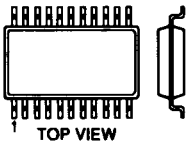

TDA7262



TDA8172




µPC1862GS-E2

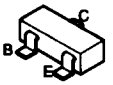



36 pin

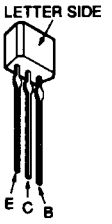
IRF614




2SA1037K-T146-R
2SA1162-G
2SA1330-06
2SC1623-L5L6
2SD601A-Q




2SA1175-HFE
2SA933AS-QRT
2SC2785-HFE



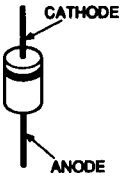

2SA1837
2SC4159-E
2SC4793
2SD2012



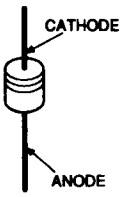

2SC3209LK



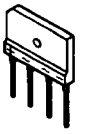

D1NL20
D2L20U
EL1Z
EGP30D
ERD29-08J
EZ0150AV1
GP08D
MTZJ-T-9110
MTZJ-33A
1SS83




D1NS4
MTZJ-7.5B
MTZJ-T-77-13A
RD10ESB2
RD33ESB1
RD3.9ES-B1
RD5.6ESB2
RD5.6ESB3
1SS119-25
1SS133T-77



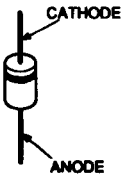

D10SBS4F
D6SB60L



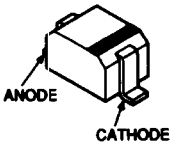
D10SC4MR




EGP20G
ERC06-15S




MA111
RD3.3SB
1SS355



# SECTION 6

# EXPLODED VIEWS

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

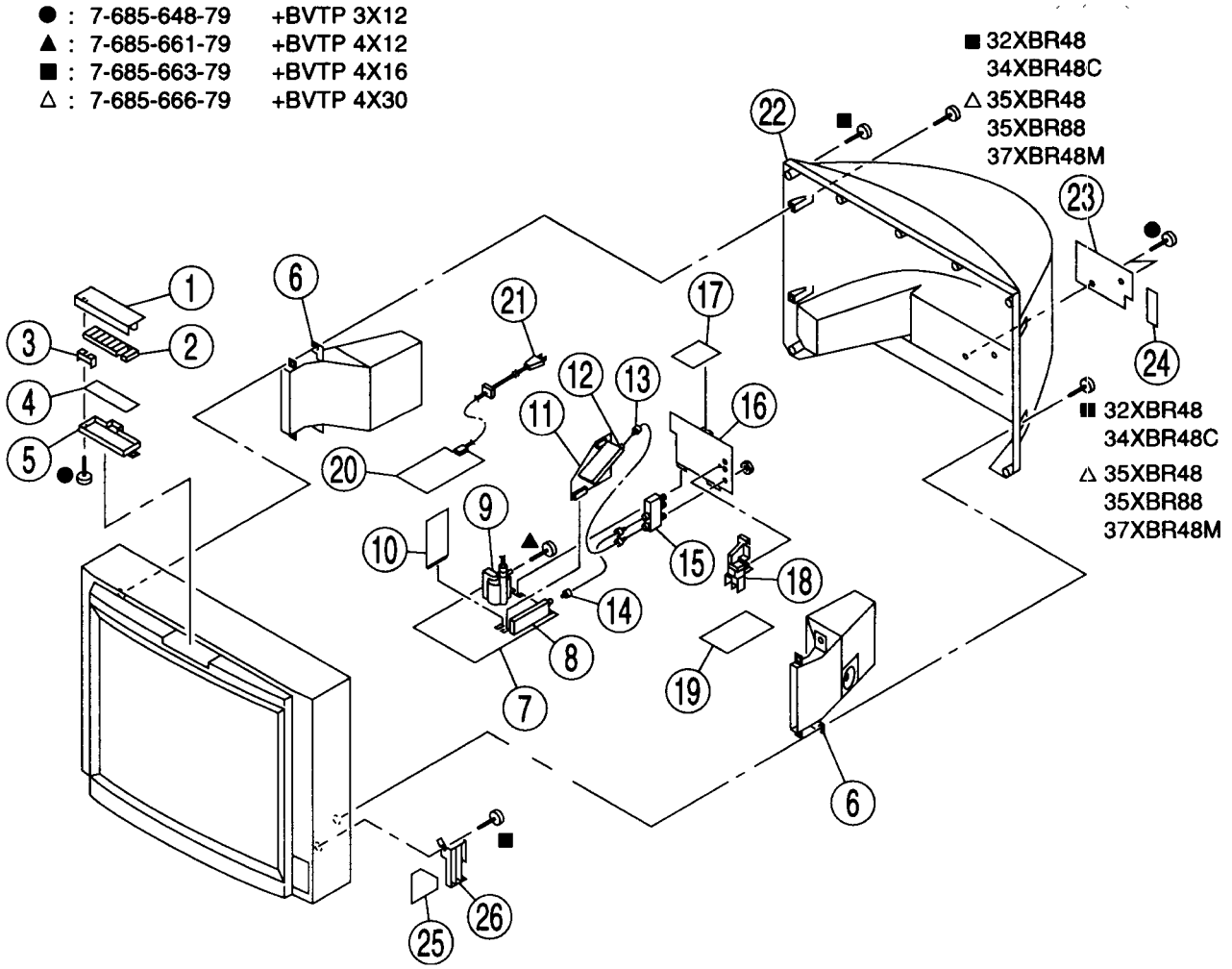
Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite
Ne les remplacer que par une piece portant le numero specifie

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.

## 6-1. CHASSIS

● : 7-685-648-79 +BVTP 3X12
▲ : 7-685-661-79 +BVTP 4X12
■ : 7-685-663-79 +BVTP 4X16
△ : 7-685-666-79 +BVTP 4X30

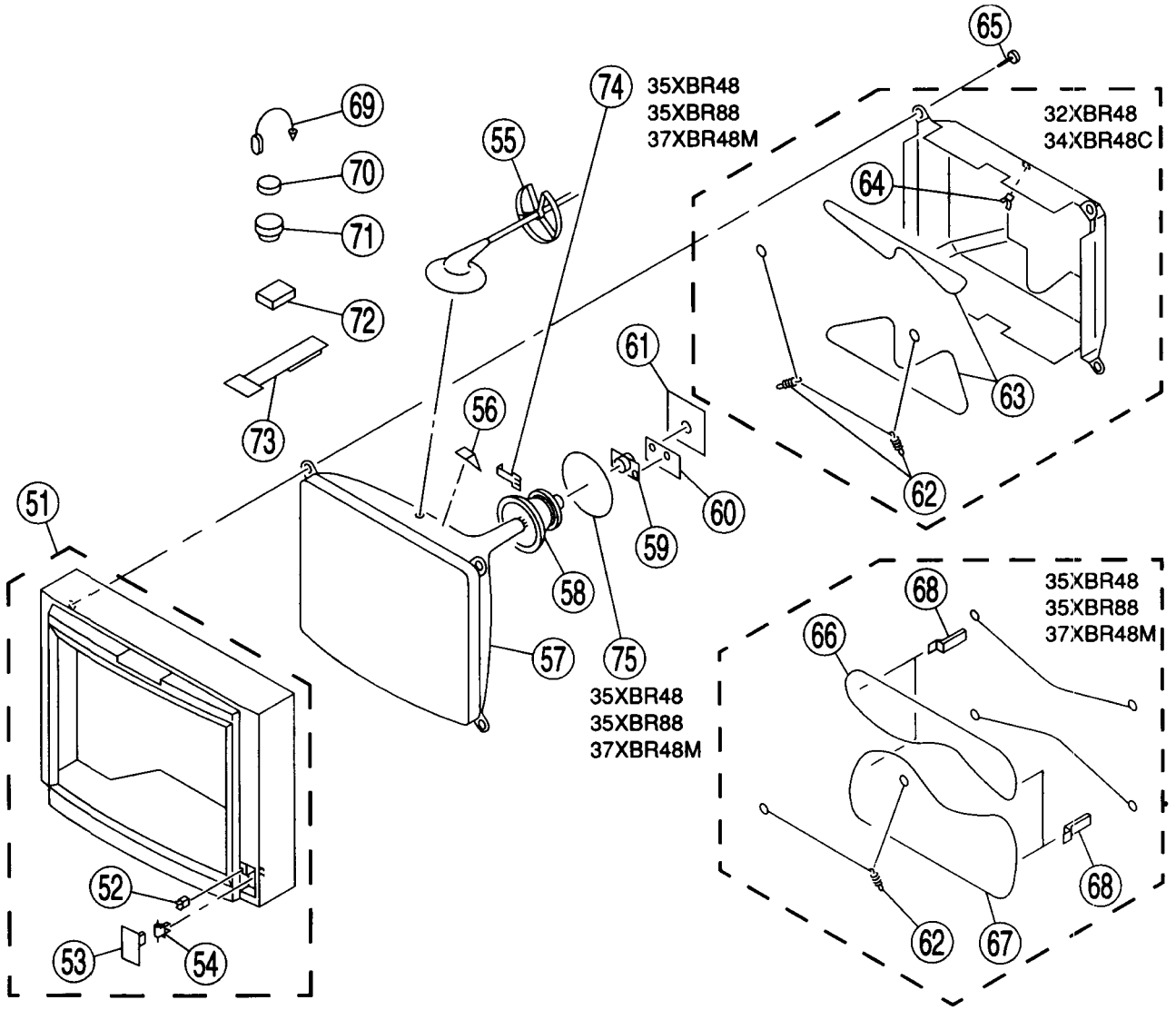



| REF NO | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| 1 | 4-059-505-01 | PANEL, CONTROL | |
| 2 | 4-059-506-01 | BUTTON, MULTI | |
| 3 | * 4-059-512-01 | GUIDE, LED | |
| 4 | * A-1372-350-A | HX BOARD, COMPLETE | |
| 5 | * 4-059-504-01 | BRACKET, HX | |
| 6 | 1-505-684-11 | SPEAKER UNIT, BOX TYPE (KV-35XBR48/35XBR88/37XBR48M) | |
| | 1-505-721-11 | BOX TYPE, SPEAKER UNIT (KV-32XBR48/34XBR48C) | |
| 7 | * A-1298-140-A | A BOARD, COMPLETE (KV-35XBR48/35XBR88/37XBR48M) | |
| | * A-1298-141-A | A BOARD, COMPLETE (KV-32XBR48/34XBR48C) | |
| 8 | ⚠ 8-598-340-20 | TUNER, FSS BTF-WA404 | |
| 9 | ⚠ 1-453-244-11 | TRANSFORMER ASSY, FLYBACK (NX-2612//X4C) (KV-32XBR48/34XBR48C) | |
| | ⚠ X-4034-797-1 | TRANSFORMER ASSY, FLYBACK (NX-3005//J1C) (KV-35XBR48/35XBR88/37XBR48M) | |
| 10 | * A-1195-121-A | PX BOARD, COMPLETE | |
| 11 | * A-1298-139-A | AX BOARD, COMPLETE | |
| 12 | ⚠ 8-598-339-20 | TUNER, FSS BTF-LA402 | |
| 13 | * 1-557-056-31 | CABLE, P-P | |
| 14 | * 1-556-945-21 | CABLE, P-P | |
| 15 | 8-598-414-00 | ANTENNA SWITCH AS-2F | |
| 16 | * A-1394-860-A | UX BOARD, COMPLETE | |
| 17 | * A-1135-902-A | BX BOARD, COMPLETE | |
| 18 | * 4-052-905-01 | V5/6 BRACKET | |
| 19 | * A-1380-540-A | K BOARD, COMPLETE | |
| 20 | * A-1316-323-A | G BOARD, COMPLETE (KV-35XBR48/35XBR88/37XBR48M) | |
| | * A-1316-324-A | G BOARD, COMPLETE (KV-32XBR48) | |
| | * A-1316-331-A | G BOARD, COMPLETE (KV-34XBR48C) | |
| 21 | ⚠ 1-751-059-11 | CORD, POWER (WITH CONNECTOR) 10A/125V (except KV-34XBR48C) | |
| | ⚠ 1-769-796-41 | COARD, POWER (WITH CONNECTOR) (KV-34XBR48C) | |
| 22 | 4-059-495-01 | COVER, REAR (KV-32XBR48/34XBR48C) | |
| | 4-059-503-01 | COVER, REAR (KV-35XBR48/35XBR88/37XBR48M) | |
| 23 | 4-059-499-01 | LABEL, TERMINAL | |
| 24 | 4-059-500-01 | LABEL, ANTENNA | |
| 25 | * A-1372-351-A | HF BOARD, COMPLETE | |
| 26 | * 4-059-501-01 | BRACKET, HF (KV-35XBR48/35XBR88/37XBR48M) | |
| | * 4-059-920-01 | BRACKET, HF (KV-32XBR48/34XBR48C) | |

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

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite
Ne les remplacer que par une piece portant le numero specifie

## 6-2. PICTURE TUBE




| REF NO | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| 51 | X-4034-634-1 | BEZNET ASSY (KV-32XBR48/34XBR48C) | 52-54 |
| | X-4034-635-1 | BEZNET ASSY (KV-35XBR48/35XBR88/37XBR48M) | 52-54 |
| 52 | 4-392-036-01 | CATCHER, PUSH | |
| 53 | 4-059-497-01 | DOOR, CONTROL | |
| 54 | 4-045-250-31 | DAMPER | |
| 55 | 3-704-372-31 | HOLDER, HV CABLE | |
| 56 | 4-053-005-01 | SPACER, DY (KV-32XBR48/34XBR48C) | |
| | 4-053-093-01 | SPACER DY (KV-35XBR48/35XBR88/37XBR48M) | |
| 57 | ⚠ 8-733-745-05 | PICTURE TUBE 34FXD2(SDP) (XBR) (M80JYV51X) (KV-32XBR48) | |
| | ⚠ 8-733-760-05 | PICTURE TUBE 37GX (A89LJT80X) (KV-35XBR48/35XBR88/37XBR48M) | |
| | ⚠ 8-735-746-05 | PICTURE TUBE 34FXD2 (SDP) (FOR XBR/10UT) (M80JYV51X) (KV-34XBR48C) | |
| 58 | ⚠ 8-451-480-11 | DEFLECTION YOKE Y37GXA-X (KV-35XBR48/35XBR88/37XBR48M) | |
| | ⚠ 8-451-482-21 | DEFLECTION YOKE Y34FXA2-X (KV-32XBR48/34XBR48C) | |
| 59 | ⚠ 8-453-007-21 | NA324-M2 | |
| 60 | * A-1372-348-A | WA BOARD, COMPLETE (KV-35XBR48/35XBR88/37XBR48M) | |
| | * A-1372-352-A | WA BOARD, COMPLETE (KV-32XBR48/34XBR48C) | |

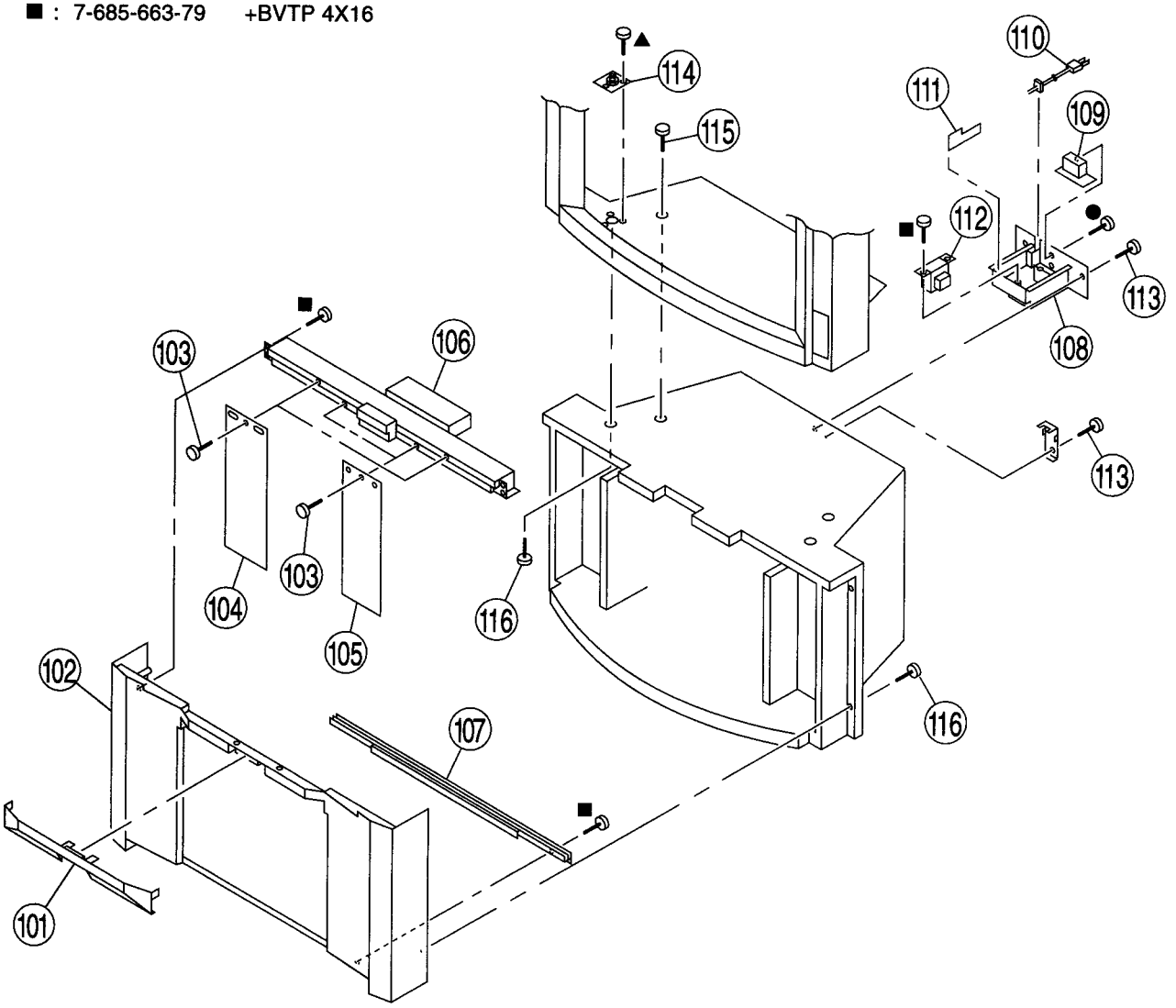
| REF. NO | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| 61 | * A-1331-692-A | C BOARD, COMPLETE (KV-35XBR48/35XBR88/37XBR48M) | |
| | * A-1331-694-A | C BOARD, COMPLETE (KV-32XBR48/34XBR48C) | |
| 62 | 4-036-329-01 | SPRING (B), TENSION | |
| 63 | ⚠ 1-402-952-12 | COIL, DEMAGNETIZATION (KV-32XBR48) | |
| | ⚠ 1-411-474-11 | COIL, DEMAGNETIZATION (KV-34XBR48C) | |
| 64 | * 4-371-629-01 | STOPPER, WIRE (KV-32XBR48/34XBR48C) | |
| 65 | 4-041-268-01 | SCREW (7), TAPPING (KV-32XBR48/34XBR48C) | |
| | 4-046-765-01 | SCREW, TAPPING (KV-35XBR48/35XBR88/37XBR48M) | |
| 66 | ⚠ 1-411-881-12 | COIL, DEMAGNETIC (KV-35XBR48/35XBR88/37XBR48M) | |
| 67 | ⚠ 1-411-882-12 | COIL, DEMAGNETIC (KV-35XBR48/35XBR88/37XBR48M) | |
| 68 | * 4-052-900-01 | HOLDER, DGC (KV-35XBR48/35XBR88/37XBR48M) | |
| 69 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 70 | 1-452-032-00 | MAGNET, DISK , 10mmø | |
| 71 | 1-452-094-00 | MAGNET, ROTATABLE DISK , 15mmø | |
| 72 | 1-452-885-11 | MAGNET, LANDING (KV-32XBR48/34XBR48C) | |
| 73 | 4-051-737-21 | PIECE A(100), CONV CORRECT | |
| 74 | 4-034-272-51 | REVIISED BOARD, TLV (KV-35XBR48/35XBR88/37XBR48M) | |
| 75 | 1-452-724-11 | COIL, NA ROTATION (KV-35XBR48/35XBR88/37XBR48M) | |

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

Les composants identifies par une trame et une marque ⚠ sont critiques pour la secunte
Ne les remplacer que par une piece portant le numero specifie

## 6-3. CABINET BASE (KV-35XBR88)

● : 7-685-648-79 +BVTP 3X12
▲ : 7-685-661-79 +BVTP 4X12
■ : 7-685-663-79 +BVTP 4X16




| REF. NO | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| 101 | 4-059-614-01 | CONTROL PANEL, STAND | |
| 102 | 4-059-613-01 | PANEL, FRONT | |
| 103 | 4-060-204-01 | SCREW, HANGER | |
| 104 | 4-060-203-01 | PLATE, DOOR (OUT) | |
| 105 | 4-060-202-01 | PLATE, DOOR (IN) | |
| 106 | 1-475-319-11 | DOOR UNIT, AUTO | |
| 107 | 4-060-197-01 | RAIL, GUIDE | |
| 108 | 4-059-615-01 | CASE, AC OUTLET | |
| 109 | * A-1241-293-A | FA BOARD, COMPLETE | |

| REF NO | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| 110 | ⚠ 1-751-059-11 | CORD, POWER (WITH CONNECTOR) | 10A/125V |
| 111 | * A-1241-294-A | FB BOARD, COMPLETE | |
| 112 | 1-431-520-11 | TRANSFORMER, POWER | |
| 113 | 4-041-164-11 | SCREW (4X20), TAPPING | |
| 114 | 4-060-201-01 | NUT, CONSOLE CLAMP | |
| 115 | 4-046-765-01 | SCREW , TAPPING | |
| 116 | 4-052-748-11 | BOLT, +HX HEAD WITH WASHER | |

# SECTION 7
# ELECTRICAL PARTS LIST

**BX**

NOTE:

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

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

- 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.
- 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.

RESISTORS
- All resistors are in ohms
- F : nonflammable

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

- CAPACITORS
  PF : μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | * A-1135-902-A | BX BOARD, COMPLETE ********** | | | |
| | | <CAPACITOR> | | | |
| C3701 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3703 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C3704 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3706 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3707 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3708 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3709 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3710 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3711 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3712 | 1-126-961-11 | ELECT | 2 2MF | 20% | 50V |
| C3713 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3722 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C3723 | 1-163-131-00 | CERAMIC CHIP | 390PF | 5% | 50V |
| C3724 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C3725 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3727 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3728 | 1-163-037-11 | CERAMIC CHIP | 0 022MF | 10% | 50V |
| C3729 | 1-126-963-11 | ELECT | 4 7MF | 20% | 50V |
| C3730 | 1-163-239-11 | CERAMIC CHIP | 33PF | 5% | 50V |
| C3731 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C3732 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C3733 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3734 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3735 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3736 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3737 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3739 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C3741 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C3742 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3743 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C3744 | 1-163-011-11 | CERAMIC CHIP | 0 0015MF | 10% | 50V |
| C3745 | 1-126-963-11 | ELECT | 4 7MF | 20% | 50V |
| C3746 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C3747 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C3755 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3756 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3758 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C3759 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3763 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C3764 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C3766 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3768 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3770 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3771 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3772 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3773 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3774 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3775 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3776 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V |
| C3777 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3778 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3779 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3780 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3781 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3782 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3784 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3785 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3786 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3787 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3788 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3789 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3790 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3791 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3792 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3827 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3828 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3829 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3830 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3831 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3832 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3833 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C3834 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3835 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C3836 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| | | <CONNECTOR> | | | |
| CN3701 | 1-573-978-21 | CONNECTOR, BOARD TO BOARD 11P | | | |
| CN3702 | 1-573-297-21 | CONNECTOR, BOARD TO BOARD 18P | | | |
| | | <DIODE> | | | |
| D3704 | 8-719-404-49 | DIODE MA111 | | | |
| D3705 | 8-719-404-49 | DIODE MA111 | | | |
| D3706 | 8-719-404-49 | DIODE MA111 | | | |
| D3707 | 8-719-404-49 | DIODE MA111 | | | |
| D3708 | 8-719-404-49 | DIODE MA111 | | | |
| | | <FERRITE BEAD> | | | |
| FB3701 | 1-412-911-11 | INDUCTOR, FERRITE BEAD | | | |
| FB3702 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| FB3703 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| FB3706 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| FB3707 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| FB3708 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| | | <FILTER> | | | |
| FL3702 | 1-239-847-11 | FILTER, LOW PASS | | | |
| FL3704 | 1-239-847-11 | FILTER, LOW PASS | | | |
| FL3705 | 1-239-847-11 | FILTER, LOW PASS | | | |
| FL3706 | 1-236-101-11 | ENCAPSULATED COMPONENT | | | |
| FL3707 | 1-236-101-11 | ENCAPSULATED COMPONENT | | | |

BX

| REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|---|---|---|---|---|
| | | <IC> | | |
| IC3702 | 8-759-701-56 | IC NJM78M05FA | | |
| IC3703 | 8-759-445-59 | IC BA033T | | |
| IC3705 | 8-759-296-53 | IC uPC1862GS-E2 | | |
| IC3707 | 8-759-444-12 | IC uPD6488GF-3BA | | |
| IC3708 | 8-759-429-95 | IC MN47V76ST1 | | |
| IC3709 | 8-759-422-80 | IC MN47V77ST1 | | |
| | | <CHIP CONDUCTOR> | | |
| JR3710 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| JR3712 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| JR3714 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| | | <COIL> | | |
| L3701 | 1-410-470-11 | INDUCTOR 10UH | | |
| L3702 | 1-410-470-11 | INDUCTOR 10UH | | |
| L3706 | 1-410-470-11 | INDUCTOR 10UH | | |
| L3708 | 1-410-470-11 | INDUCTOR 10UH | | |
| L3709 | 1-410-466-41 | INDUCTOR 4 7UH | | |
| L3714 | 1-410-470-11 | INDUCTOR 10UH | | |
| | | <TRANSISTOR> | | |
| Q3701 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3702 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3703 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | |
| Q3707 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | |
| Q3708 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3709 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3719 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | |
| Q3724 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | |
| Q3725 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3728 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3729 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3731 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | |
| Q3732 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | |
| Q3733 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | |
| Q3734 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | |
| | | <RESISTOR> | | |
| R3701 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R3702 | 1-216-091-00 | METAL GLAZE 56K | 5% | 1/10W |
| R3703 | 1-216-057-00 | METAL GLAZE 2 2K | 5% | 1/10W |
| R3704 | 1-216-057-00 | METAL GLAZE 2.2K | 5% | 1/10W |
| R3705 | 1-216-057-00 | METAL GLAZE 2 2K | 5% | 1/10W |
| R3706 | 1-208-750-11 | METAL GLAZE 47 | 0 50% | 1/10W |
| R3707 | 1-208-762-11 | METAL GLAZE 150 | 0.50% | 1/10W |
| R3708 | 1-216-043-91 | METAL GLAZE 560 | 5% | 1/10W |
| R3709 | 1-216-075-00 | METAL GLAZE 12K | 5% | 1/10W |
| R3710 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R3711 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R3717 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R3719 | 1-208-770-11 | METAL GLAZE 330 | 0 50% | 1/10W |
| R3722 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R3746 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R3747 | 1-216-121-91 | METAL GLAZE 1M | 5% | 1/10W |
| R3748 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R3749 | 1-208-775-11 | METAL GLAZE 510 | 0.50% | 1/10W |
| R3750 | 1-208-758-11 | METAL GLAZE 100 | 0 50% | 1/10W |
| R3751 | 1-216-009-00 | METAL GLAZE 22 | 5% | 1/10W |
| R3752 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R3753 | 1-216-057-00 | METAL GLAZE 2.2K | 5% | 1/10W |
| R3754 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R3755 | 1-216-033-00 | METAL GLAZE 220 | 5% | 1/10W |
| R3757 | 1-216-033-00 | METAL GLAZE 220 | 5% | 1/10W |

| REF NO | PART NO | DESCRIPTION | | REMARK |
|---|---|---|---|---|
| R3759 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R3760 | 1-216-053-00 | METAL GLAZE 1.5K | 5% | 1/10W |
| R3761 | 1-216-057-00 | METAL GLAZE 2 2K | 5% | 1/10W |
| R3762 | 1-216-035-00 | METAL GLAZE 270 | 5% | 1/10W |
| R3763 | 1-216-059-00 | METAL GLAZE 2 7K | 5% | 1/10W |
| R3764 | 1-216-071-00 | METAL GLAZE 8 2K | 5% | 1/10W |
| R3771 | 1-216-029-00 | METAL GLAZE 150 | 5% | 1/10W |
| R3772 | 1-208-784-11 | METAL GLAZE 1 2K | 0.50% | 1/10W |
| R3773 | 1-208-806-11 | METAL GLAZE 10K | 0.50% | 1/10W |
| R3774 | 1-208-814-11 | METAL GLAZE 22K | 0.50% | 1/10W |
| R3775 | 1-216-029-00 | METAL GLAZE 150 | 5% | 1/10W |
| R3776 | 1-208-788-11 | METAL GLAZE 1 8K | 0 50% | 1/10W |
| R3777 | 1-208-814-11 | METAL GLAZE 22K | 0.50% | 1/10W |
| R3778 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R3782 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3783 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R3784 | 1-216-001-00 | METAL GLAZE 10 | 5% | 1/10W |
| R3788 | 1-216-043-91 | METAL GLAZE 560 | 5% | 1/10W |
| R3789 | 1-216-071-00 | METAL GLAZE 8 2K | 5% | 1/10W |
| R3790 | 1-216-091-00 | METAL GLAZE 56K | 5% | 1/10W |
| R3791 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R3792 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R3793 | 1-208-774-11 | METAL GLAZE 470 | 0 50% | 1/10W |
| R3794 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R3795 | 1-208-782-11 | METAL GLAZE 1K | 0.50% | 1/10W |
| R3806 | 1-216-001-00 | METAL GLAZE 10 | 5% | 1/10W |
| R3810 | 1-216-043-91 | METAL GLAZE 560 | 5% | 1/10W |
| R3811 | 1-216-071-00 | METAL GLAZE 8 2K | 5% | 1/10W |
| R3812 | 1-216-091-00 | METAL GLAZE 56K | 5% | 1/10W |
| R3813 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R3814 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R3815 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R3816 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R3817 | 1-216-051-00 | METAL GLAZE 1 2K | 5% | 1/10W |
| R3858 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R3859 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R3880 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R3881 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R3884 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R3885 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R3886 | 1-216-105-91 | METAL GLAZE 220K | 5% | 1/10W |
| R3887 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R3888 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R3889 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R3890 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R3891 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R3892 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3893 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3894 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3895 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3896 | 1-216-017-91 | METAL GLAZE 47 | 5% | 1/10W |
| R3898 | 1-216-017-91 | METAL GLAZE 47 | 5% | 1/10W |
| R3900 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3901 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3902 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3903 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R3904 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| | | <CRYSTAL> | | |
| X3701 | 1-527-722-00 | VIBRATOR, CRYSTAL | | |
| X3702 | 1-579-583-11 | VIBRATOR, CERAMIC | | |

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# PX

| REF. NO | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | * A-1195-121-A | PX BOARD, COMPLETE ********** | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | |
| | | <CAPACITOR> | | | |
| C3301 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3302 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C3303 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C3304 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C3306 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3307 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C3308 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C3310 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C3311 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| C3312 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3314 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C3315 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3316 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C3317 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C3318 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C3319 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3320 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3321 | 1-107-909-11 | ELECT | 47MF | 20% | 16V |
| C3322 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3323 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3324 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3325 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3326 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3327 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C3329 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3330 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3331 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3332 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3333 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3334 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C3335 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3336 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3339 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3340 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C3342 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3343 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3344 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3345 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3346 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C3347 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3348 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3349 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3351 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3352 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3353 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3354 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3355 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3356 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3357 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3358 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C3359 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C3360 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3364 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3365 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3366 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C3367 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3386 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3387 | 1-163-809-11 | CERAMIC CHIP | 0 047MF | 10% | 25V |
| C3388 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C3389 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C3391 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3392 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C3393 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C3394 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C3395 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C3396 | 1-126-963-11 | ELECT | 4 7MF | 20% | 50V |
| C3397 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C3399 | 1-163-017-00 | CERAMIC CHIP | 0 0047MF | 10% | 50V |
| C3400 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C3401 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C3402 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3406 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3407 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3408 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3409 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C3412 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C3413 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C3416 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C3417 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C3418 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| | | <FILTER BLOCK> | | | |
| CM3301 | 1-473-983-11 | FILTER BLOCK, COMB | | | |
| | | <CONNECTOR> | | | |
| CN3301 | 1-764-812-11 | CONNECTOR, BOARD TO BOARD 11P | | | |
| CN3302 | * 1-764-815-11 | CONNECTOR, BOARD TO BOARD 18P | | | |
| | | <DIODE> | | | |
| D3302 | 8-719-404-49 | DIODE MA111 | | | |
| D3303 | 8-719-404-49 | DIODE MA111 | | | |
| D3313 | 8-719-404-49 | DIODE MA111 | | | |
| D3314 | 8-719-404-49 | DIODE MA111 | | | |
| | | <FERRITE BEAD> | | | |
| FB3301 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| FB3302 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| FB3303 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| FB3304 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| FB3305 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| FB3306 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| FB3307 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| FB3308 | 1-414-233-21 | INDUCTOR, FERRITE BEAD | | | |
| | | <IC> | | | |
| IC3301 | 8-759-932-69 | IC BU4053BCF-T2 | | | |
| IC3302 | 8-752-078-83 | IC CXA2019Q | | | |
| IC3303 | 8-759-351-59 | IC TC528257J-80(EL) | | | |
| IC3304 | 8-759-477-28 | IC SAB9076AH | | | |
| IC3306 | 8-759-231-53 | IC TA7805S | | | |
| IC3308 | 8-759-932-69 | IC BU4053BCF-T2 | | | |
| IC3309 | 8-752-078-83 | IC CXA2019Q | | | |
| | | <COIL> | | | |
| L3301 | 1-408-413-00 | INDUCTOR 22UH | | | |
| L3304 | 1-410-462-11 | INDUCTOR 2.2UH | | | |
| L3305 | 1-410-462-11 | INDUCTOR 2 2UH | | | |
| | | <TRANSISTOR> | | | |
| Q3301 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q3302 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q3303 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q3305 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q3306 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |

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| REF. NO. | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| Q3307 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3308 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3309 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3310 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3311 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3318 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3319 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3320 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3325 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3326 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3327 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3330 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3333 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3339 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3342 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3343 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q3344 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3345 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3346 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q3347 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| | | <RESISTOR> | |
| R3301 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3302 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3303 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3304 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3305 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3306 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3307 | 1-216-033-00 | METAL GLAZE 220 5% | 1/10W |
| R3311 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3312 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3313 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3314 | 1-216-073-00 | METAL GLAZE 10K 5% | 1/10W |
| R3315 | 1-216-071-00 | METAL GLAZE 8 2K 5% | 1/10W |
| R3316 | 1-216-077-00 | METAL GLAZE 15K 5% | 1/10W |
| R3317 | 1-216-053-00 | METAL GLAZE 1 5K 5% | 1/10W |
| R3318 | 1-216-033-00 | METAL GLAZE 220 5% | 1/10W |
| R3320 | 1-216-057-00 | METAL GLAZE 2 2K 5% | 1/10W |
| R3322 | 1-216-061-00 | METAL GLAZE 3 3K 5% | 1/10W |
| R3323 | 1-216-065-00 | METAL GLAZE 4 7K 5% | 1/10W |
| R3324 | 1-216-065-00 | METAL GLAZE 4 7K 5% | 1/10W |
| R3325 | 1-216-073-00 | METAL GLAZE 10K 5% | 1/10W |
| R3326 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3327 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3328 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3329 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3330 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3331 | 1-216-001-00 | METAL GLAZE 10 5% | 1/10W |
| R3332 | 1-216-001-00 | METAL GLAZE 10 5% | 1/10W |
| R3333 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3334 | 1-216-009-00 | METAL GLAZE 22 5% | 1/10W |
| R3335 | 1-216-009-00 | METAL GLAZE 22 5% | 1/10W |
| R3336 | 1-216-009-00 | METAL GLAZE 22 5% | 1/10W |
| R3339 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3340 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3341 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3342 | 1-216-009-00 | METAL GLAZE 22 5% | 1/10W |
| R3343 | 1-216-009-00 | METAL GLAZE 22 5% | 1/10W |
| R3344 | 1-216-009-00 | METAL GLAZE 22 5% | 1/10W |
| R3345 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3347 | 1-216-001-00 | METAL GLAZE 10 5% | 1/10W |
| R3348 | 1-216-001-00 | METAL GLAZE 10 5% | 1/10W |
| R3350 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3351 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3352 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3353 | 1-216-001-00 | METAL GLAZE 10 5% | 1/10W |
| R3354 | 1-216-033-00 | METAL GLAZE 220 5% | 1/10W |
| R3355 | 1-216-033-00 | METAL GLAZE 220 5% | 1/10W |

| REF. NO. | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| R3356 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3357 | 1-216-033-00 | METAL GLAZE 220 5% | 1/10W |
| R3358 | 1-216-001-00 | METAL GLAZE 10 5% | 1/10W |
| R3359 | 1-216-057-00 | METAL GLAZE 2 2K 5% | 1/10W |
| R3361 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3362 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3363 | 1-216-065-00 | METAL GLAZE 4 7K 5% | 1/10W |
| R3364 | 1-216-065-00 | METAL GLAZE 4 7K 5% | 1/10W |
| R3365 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3366 | 1-216-065-00 | METAL GLAZE 4 7K 5% | 1/10W |
| R3367 | 1-216-073-00 | METAL GLAZE 10K 5% | 1/10W |
| R3368 | 1-216-073-00 | METAL GLAZE 10K 5% | 1/10W |
| R3369 | 1-216-065-00 | METAL GLAZE 4 7K 5% | 1/10W |
| R3370 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3372 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3375 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3379 | 1-216-308-00 | METAL GLAZE 4 7 5% | 1/10W |
| R3380 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3381 | 1-216-308-00 | METAL GLAZE 4 7 5% | 1/10W |
| R3383 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3384 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3385 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3386 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3387 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3408 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3409 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3410 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3413 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3414 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3415 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3419 | 1-216-033-00 | METAL GLAZE 220 5% | 1/10W |
| R3420 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3421 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3422 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3423 | 1-216-071-00 | METAL GLAZE 8 2K 5% | 1/10W |
| R3425 | 1-216-077-00 | METAL GLAZE 15K 5% | 1/10W |
| R3426 | 1-216-053-00 | METAL GLAZE 1 5K 5% | 1/10W |
| R3427 | 1-216-033-00 | METAL GLAZE 220 5% | 1/10W |
| R3430 | 1-216-057-00 | METAL GLAZE 2 2K 5% | 1/10W |
| R3431 | 1-216-061-00 | METAL GLAZE 3 3K 5% | 1/10W |
| R3434 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3435 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3438 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3450 | 1-216-065-00 | METAL GLAZE 4 7K 5% | 1/10W |
| R3451 | 1-216-073-00 | METAL GLAZE 10K 5% | 1/10W |
| R3452 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3453 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3454 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3456 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3457 | 1-216-049-91 | METAL GLAZE 1K 5% | 1/10W |
| R3460 | 1-216-073-00 | METAL GLAZE 10K 5% | 1/10W |
| R3463 | 1-216-057-00 | METAL GLAZE 2 2K 5% | 1/10W |
| R3466 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3468 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3470 | 1-216-037-00 | METAL GLAZE 330 5% | 1/10W |
| R3471 | 1-216-109-00 | METAL GLAZE 330K 5% | 1/10W |
| R3472 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3473 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3475 | 1-216-037-00 | METAL GLAZE 330 5% | 1/10W |
| R3476 | 1-216-025-91 | METAL GLAZE 100 5% | 1/10W |
| R3477 | 1-216-109-00 | METAL GLAZE 330K 5% | 1/10W |
| R3479 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3480 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3481 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3484 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3485 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3487 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R3488 | 1-216-295-91 | CONDUCTOR, CHIP | |

# PX AX A

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

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

| REF. NO | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | | <CRYSTAL> | | | |
| X3301 | 1-579-583-11 | VIBRATOR, CERAMIC | | | |
| X3302 | 1-567-505-11 | OSCILLATOR, CRYSTAL | | | |
| X3303 | 1-579-583-11 | VIBRATOR, CERAMIC | | | |
| X3304 | 1-567-505-11 | OSCILLATOR, CRYSTAL | | | |
| ********** | | | | | |
| | * A-1298-139-A | AX BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | <CAPACITOR> | | | |
| C101 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C102 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V |
| C104 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C106 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C108 | 1-126-942-61 | ELECT | 1000MF | 20% | 25V |
| C109 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C110 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C111 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C113 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C115 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1904 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C1905 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1906 | 1-102-129-00 | CERAMIC | 0 01MF | 10% | 50V |
| C1907 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1908 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| | | <CONNECTOR> | | | |
| CN101 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P | | | |
| CN102 | 1-573-979-21 | CONNECTOR, BOARD TO BOARD 11P | | | |
| CN103 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | |
| | | <DIODE> | | | |
| D101 | 8-719-109-90 | DIODE RD5.6ESB3 | | | |
| D103 | 8-719-911-19 | DIODE 1SS119-25 | | | |
| D104 | 8-719-911-19 | DIODE 1SS119-25 | | | |
| D105 | 8-719-911-19 | DIODE 1SS119-25 | | | |
| D106 | 8-719-911-19 | DIODE 1SS119-25 | | | |
| D107 | 8-719-911-19 | DIODE 1SS119-25 | | | |
| | | <IC> | | | |
| IC1901 | 8-752-058-68 | IC CXA1315M | | | |
| IC1902 | 8-759-470-63 | IC NJM2145M-TE2 | | | |
| | | <CHIP CONDUCTOR> | | | |
| JR1901 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| | | <COIL> | | | |
| L102 | 1-410-470-11 | INDUCTOR 10UH | | | |
| L105 | 1-410-482-31 | INDUCTOR 100UH | | | |
| | | <TRANSISTOR> | | | |
| Q101 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | |
| Q103 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q104 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q105 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q106 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | | |
| Q1902 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q1903 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q1918 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |

| REF NO | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | | <RESISTOR> | | | |
| R101 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R102 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R103 | 1-216-689-11 | METAL GLAZE | 39K | 5% | 1/10W |
| R104 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R106 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R107 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R108 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R109 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R112 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R113 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R114 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R115 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R116 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R117 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R1905 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1906 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1920 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R2904 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R2905 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R2909 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R2910 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R2912 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R2913 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R2914 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R2915 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| | | <TUNER> | | | |
| TU101 | ⚠ 8-598-339-20 | TUNER, FSS BTF-LA402 | | | |
| ********** | | | | | |
| | * A-1298-140-A | A BOARD, COMPLE | | | |
| | | ********** | | | |
| | | (KV-35XBR48/35XBR88/37XBR48M) | | | |
| | * A-1298-141-A | A BOARD, COMPLE | | | |
| | | ********** | | | |
| | | (KV-32XBR48/34XBR48C) | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | |
| | | <CAPACITOR> | | | |
| C001 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C003 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C005 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C009 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C010 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C012 | 1-163-010-11 | CERAMIC CHIP | 0.0012MF | 10% | 50V |
| C013 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C014 | 1-163-017-00 | CERAMIC CHIP | 0 0047MF | 10% | 50V |
| C023 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| C028 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0 5PF | 50V |
| C029 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V |
| C030 | 1-163-009-11 | CERAMIC CHIP | 0 001MF | 10% | 50V |
| C035 | 1-163-237-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C036 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C037 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C038 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C039 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C040 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C051 | 1-164-161-11 | CERAMIC CHIP | 0 0022MF | 10% | 50V |
| C053 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C056 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C061 | 1-163-037-11 | CERAMIC CHIP | 0 022MF | 10% | 50V |
| C062 | 1-163-037-11 | CERAMIC CHIP | 0.022MF | 10% | 50V |
| C063 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |

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

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite
Ne les remplacer que par une piece portant le numero specifie

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| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C071 | 1-164-096-11 | CERAMIC | 0.01MF | | 50V |
| C072 | 1-164-161-11 | CERAMIC CHIP | 0 0022MF | 10% | 50V |
| C075 | 1-107-823-11 | CERAMIC CHIP | 0.47MF | 10% | 16V |
| C351 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C352 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C353 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C354 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C355 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C356 | 1-126-963-11 | ELECT | 4 7MF | 20% | 50V |
| C357 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C358 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C359 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C360 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C361 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C362 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C363 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C364 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C365 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C366 | 1-137-399-11 | FILM | 0 1MF | 5% | 50V |
| C367 | 1-137-399-11 | FILM | 0 1MF | 5% | 50V |
| C368 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V |
| C369 | 1-163-243-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C370 | 1-163-809-11 | CERAMIC CHIP | 0 047MF | 10% | 25V |
| C371 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| C372 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C373 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C374 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C375 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C376 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C377 | 1-137-399-11 | FILM | 0 1MF | 5% | 50V |
| C378 | 1-136-244-11 | FILM | 0 1MF | 5% | 50V |
| C379 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C380 | 1-126-942-61 | ELECT | 1000MF | 20% | 25V |
| C381 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C382 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C383 | 1-137-399-11 | FILM | 0 1MF | 5% | 50V |
| C384 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C385 | 1-164-182-11 | CERAMIC CHIP | 0 0033MF | 10% | 50V |
| C386 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C387 | 1-126-961-11 | ELECT | 2 2MF | 20% | 50V |
| C388 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C390 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C391 | 1-163-017-00 | CERAMIC CHIP | 0 0047MF | 10% | 50V |
| C392 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C393 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C394 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C395 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C397 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C398 | 1-126-961-11 | ELECT | 2 2MF | 20% | 50V |
| C399 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C501 | 1-102-110-00 | CERAMIC | 220PF | 10% | 50V |
| C502 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C503 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C504 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C505 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V |
| C506 | 1-106-383-00 | MYLAR | 0 047MF | 10% | 200V |
| C507 | ⚠1-162-116-51 | CERAMIC | 680PF | 10% | 2KV |
| C508 | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C509 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C510 | 1-137-150-11 | MYLAR | 0 01MF | 10% | 100V |
| C511 | ⚠1-117-652-21 | FILM | 22000PF | 3% | 1.2KV |
| C513 | ⚠1-136-334-51 | FILM | 0.033MF | 5% | 630V |
| | | | (KV-35XBR48/35XBR88/37XBR48M) | | |
| C513 | ⚠1-130-895-51 | FILM | 0.056MF | 5% | 400V |
| | | | (KV-32XBR48/34XBR48C) | | |
| C514 | ⚠1-117-891-21 | FILM | 0.62MF | 5% | 200V |
| | | | (KV-32XBR48/34XBR48C) | | |
| C514 | ⚠1-117-670-21 | FILM | 0.82MF | 5% | 200V |
| | | | (KV-35XBR48/35XBR88/37XBR48M) | | |

| REF NO | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| C515 | 1-106-343-00 | MYLAR | 0 001MF | 10% | 100V |
| C516 | 1-136-113-00 | CAPACITOR | 0 | 0 | 0 |
| C517 | 1-107-649-11 | ELECT | 2 2MF | 20% | 250V |
| C518 | 1-106-395-00 | MYLAR | 0 15MF | 10% | 200V |
| C519 | 1-162-815-11 | CERAMIC | 47PF | 5% | 500V |
| C520 | 1-164-646-11 | CERAMIC | 2200PF | 10% | 500V |
| C521 | 1-164-182-11 | CERAMIC CHIP | 0 0033MF | 10% | 50V |
| C522 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C525 | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| C526 | 1-107-662-11 | ELECT | 22MF | 20% | 250V |
| C527 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C528 | 1-164-161-11 | CERAMIC CHIP | 0 0022MF | 10% | 50V |
| C529 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C530 | 1-137-366-11 | FILM | 0 0022MF | 5% | 50V |
| C531 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C532 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C535 | 1-163-037-11 | CERAMIC CHIP | 0 022MF | 10% | 50V |
| C537 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C539 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C540 | 1-104-710-11 | ELECT | 22MF | 0 | 160V |
| C541 | 1-128-560-11 | ELECT | 22MF | 20% | 100V |
| C542 | 1-106-383-00 | MYLAR | 0 047MF | 10% | 200V |
| C545 | 1-106-387-00 | MYLAR | 0 068MF | 10% | 200V |
| C546 | 1-106-343-00 | MYLAR | 0 001MF | 10% | 100V |
| C547 | 1-106-343-00 | MYLAR | 0 001MF | 10% | 100V |
| C548 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C549 | 1-106-375-12 | MYLAR | 0 022MF | | 200V |
| C561 | 1-126-967-11 | ELECT | 47MF | 20% | 50V |
| C563 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C564 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C565 | 1-126-969-11 | ELECT | 220MF | 20% | 50V |
| C566 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C568 | 1-136-169-00 | FILM | 0 22MF | 5% | 50V |
| C571 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C1002 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1003 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1004 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1101 | 1-126-943-11 | ELECT | 2200MF | 20% | 25V |
| C1103 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C1104 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1105 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1106 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1107 | 1-163-037-11 | CERAMIC CHIP | 0 022MF | 10% | 50V |
| C1108 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C1109 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1110 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0 5PF | 50V |
| C1111 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0 5PF | 50V |
| C1112 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0 5PF | 50V |
| C1117 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1118 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1351 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C1353 | 1-163-037-11 | CERAMIC CHIP | 0 022MF | 10% | 50V |
| C1355 | 1-163-009-11 | CERAMIC CHIP | 0 001MF | 10% | 50V |
| C1356 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1357 | 1-107-823-11 | CERAMIC CHIP | 0 47MF | 10% | 16V |
| C1358 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1359 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C1360 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C1361 | 1-163-241-11 | CERAMIC CHIP | 39PF | 5% | 50V |
| C1362 | 1-163-017-00 | CERAMIC CHIP | 0 0047MF | 10% | 50V |
| C1363 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C1367 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1368 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1369 | 1-164-004-11 | CERAMIC CHIP | 0 1MF | 10% | 25V |
| C1370 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1371 | 1-163-017-00 | CERAMIC CHIP | 0 0047MF | 10% | 50V |
| C1372 | 1-163-017-00 | CERAMIC CHIP | 0 0047MF | 10% | 50V |
| C1373 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |

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Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

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

| REF NO | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| C1501 | 1-117-660-21 | FILM 0 12MF 5% 200V | (KV-32XBR48/34XBR48C) |
| C1691 | 1-104-665-11 | ELECT 100MF 20% 25V | |
| C1692 | 1-104-665-11 | ELECT 100MF 20% 25V | |
| | | <CONNECTOR> | |
| CN270 | 1-573-298-11 | CONNECTOR, BOARD TO BOARD 20P | |
| CN271 | *1-691-915-11 | CONNECTOR, BOARD TO BOARD 15P | |
| CN351 | *1-564-509-11 | PLUG, CONNECTOR 6P | |
| CN461 | *1-564-508-11 | PLUG, CONNECTOR 5P | |
| CN501 | *1-580-798-11 | CONNECTOR PIN (DY) 6P | |
| CN503 | *1-564-508-11 | PLUG, CONNECTOR 5P | |
| CN1001 | *1-564-510-11 | PLUG, CONNECTOR 7P | |
| CN1101 | 1-573-298-11 | CONNECTOR, BOARD TO BOARD 20P | |
| CN1103 | 1-573-979-21 | CONNECTOR, BOARD TO BOARD 11P | |
| CN1231 | *1-564-512-11 | PLUG, CONNECTOR 9P | |
| CN1641 | 1-564-513-11 | PLUG, CONNECTOR 10P | |
| CN1642 | *1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN1643 | *1-508-784-00 | PIN, CONNECTOR (5mm PITCH) 1P | |
| CN1941 | *1-564-511-11 | PLUG, CONNECTOR 8P | |
| CN3001 | 1-573-297-21 | CONNECTOR, BOARD TO BOARD 18P | |
| CN3002 | 1-573-978-21 | CONNECTOR, BOARD TO BOARD 11P | |
| | | <DIODE> | |
| D001 | 8-719-911-19 | DIODE 1SS119-25 | |
| D002 | 8-719-109-90 | DIODE RD5.6ESB3 | |
| D003 | 8-719-911-19 | DIODE 1SS119-25 | |
| D004 | 8-719-110-17 | DIODE RD10ESB2 | |
| D011 | 8-719-109-72 | DIODE RD3 9ESB2 | |
| D012 | 8-719-911-19 | DIODE 1SS119-25 | |
| D013 | 8-719-911-19 | DIODE 1SS119-25 | |
| D014 | 8-719-911-19 | DIODE 1SS119-25 | |
| D015 | 8-719-911-19 | DIODE 1SS119-25 | |
| D353 | 8-719-911-19 | DIODE 1SS119-25 | |
| D356 | 8-719-911-19 | DIODE 1SS119-25 | |
| D360 | 8-719-110-17 | DIODE RD10ESB2 | |
| D362 | 8-719-911-19 | DIODE 1SS119-25 | |
| D363 | 8-719-404-49 | DIODE MA111 | |
| D368 | 8-719-911-19 | DIODE 1SS119-25 | |
| D501 | 8-719-109-90 | DIODE RD5 6ESB3 | |
| D502 | 8-719-945-80 | DIODE ERC06-15S | |
| D503 | 8-719-945-80 | DIODE ERC06-15S | |
| D504 | 8-719-900-26 | DIODE ERD29-08J | |
| D505 | 8-719-908-03 | DIODE GP08D | |
| D506 | 8-719-908-03 | DIODE GP08D | |
| D507 | 8-719-911-19 | DIODE 1SS119-25 | |
| D515 | 8-719-302-43 | DIODE EL1Z | |
| D516 | 8-719-911-19 | DIODE 1SS119-25 | |
| D518 | 8-719-911-19 | DIODE 1SS119-25 | |
| D519 | ⚠8-719-302-44 | DIODE EL1Z-V1 | |
| D520 | 8-719-911-19 | DIODE 1SS119-25 | |
| D521 | 8-719-921-63 | DIODE MTZJ-7 5B | |
| D522 | 8-719-911-19 | DIODE 1SS119-25 | |
| D530 | 8-719-979-85 | DIODE EGP20G | |
| D531 | 8-719-979-85 | DIODE EGP20G | |
| D534 | 8-719-302-43 | DIODE EL1Z | |
| D536 | 8-719-109-90 | DIODE RD5.6ESB3 | |
| D561 | 8-719-908-03 | DIODE GP08D | |
| D562 | 8-719-911-19 | DIODE 1SS119-25 | |
| D1001 | 8-719-404-49 | DIODE MA111 | |
| D1002 | 8-719-404-49 | DIODE MA111 | |
| D1003 | 8-719-110-17 | DIODE RD10ESB2 | |
| D1004 | 8-719-110-17 | DIODE RD10ESB2 | |
| D1102 | 8-719-110-76 | DIODE RD33ESB1 | |
| D1103 | 8-719-109-90 | DIODE RD5.6ESB3 | |
| D1301 | 8-719-404-49 | DIODE MA111 | |
| D1302 | 8-719-911-19 | DIODE 1SS119-25 | |
| D1304 | 8-719-911-19 | DIODE 1SS119-25 | |
| D1305 | 8-719-911-19 | DIODE 1SS119-25 | |
| D1306 | 8-719-404-49 | DIODE MA111 | |
| D1641 | 8-719-979-50 | DIODE EGP30D | |
| D1642 | 8-719-979-50 | DIODE EGP30D | |
| D1691 | 8-719-923-83 | DIODE MTZJ-T-77-13A | |
| | | <DELAY LINE> | |
| DL351 | 1-416-231-11 | DELAY LINE | |
| | | <FERRITE BEAD> | |
| FB501 | 1-410-397-21 | FERRITE BEAD INDUCTOR 1 1UH | |
| FB502 | 1-410-397-21 | FERRITE BEAD INDUCTOR 1.1UH | |
| FB503 | 1-410-397-21 | FERRITE BEAD INDUCTOR 1.1UH | |
| | | <IC> | |
| IC001 | 8-752-886-53 | IC CXP85856A-001S | |
| IC002 | 8-759-518-23 | IC X24C04S8 | |
| IC351 | 8-752-076-76 | IC CXA2025AS | |
| IC352 | 8-752-080-75 | IC CXA2039M-T6 | |
| IC353 | 8-759-462-91 | IC TA1226N | |
| IC501 | 8-759-700-07 | IC NJM2903M | |
| IC561 | 8-759-980-58 | IC TDA8172 | |
| IC1001 | 8-752-058-68 | IC CXA1315M | |
| | | <CHIP CONDUCTOR> | |
| JR001 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR052 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR053 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR054 | 1-216-295-91 | CONDUCTOR, CHIP | |
| JR4120 | 1-216-295-91 | CONDUCTOR, CHIP | |
| | | <COIL> | |
| L001 | 1-410-482-31 | INDUCTOR 100UH | |
| L002 | 1-410-482-31 | INDUCTOR 100UH | |
| L003 | 1-410-470-11 | INDUCTOR 10UH | |
| L004 | 1-410-470-11 | INDUCTOR 10UH | |
| L351 | 1-410-476-11 | INDUCTOR 33UH | |
| L352 | 1-410-482-31 | INDUCTOR 100UH | |
| L501 | ⚠1-409-861-11 | COIL, HORIZONTAL LINEARITY | |
| L502 | 1-412-552-11 | INDUCTOR 2 2mH | |
| L503 | 1-406-677-11 | COIL, CHOKE 10mH | |
| L511 | 1-406-607-41 | COIL, CHOKE 15mH | |
| L517 | 1-412-552-11 | INDUCTOR 2.2mH | |
| L541 | 1-406-677-11 | COIL, CHOKE 10mH | |
| L1101 | 1-410-482-31 | INDUCTOR 100UH | |
| L1102 | 1-410-470-11 | INDUCTOR 10UH | |
| L1351 | 1-410-470-11 | INDUCTOR 10UH | |
| | | <TRANSISTOR> | |
| Q001 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q002 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q003 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q004 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q005 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q010 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q011 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q012 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q013 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q014 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q015 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q016 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q017 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q304 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |

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

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

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| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| Q305 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q306 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q351 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q354 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q356 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q357 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q358 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q359 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q360 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q361 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q362 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q363 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q364 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q365 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q366 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q367 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q368 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q369 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q370 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q501 | 8-729-140-50 | TRANSISTOR 2SC3209LK | |
| Q502 | ⚠ 8-729-035-75 | TRANSISTOR 2SC5148(LBSONY) | |
| Q503 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q504 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q511 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q512 | 8-729-809-29 | TRANSISTOR 2SC4159-E | |
| Q530 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q531 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q561 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q562 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q563 | 8-729-105-08 | TRANSISTOR 2SA1330-O6 | |
| Q1001 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q1102 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| Q1103 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q1351 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q1352 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q1353 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q1354 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q1691 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q1692 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q1693 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |

<RESISTOR>

| | | | | | |
|---|---|---|---|---|---|
| R001 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R002 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R003 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R004 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R006 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R007 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R008 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R009 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R010 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R011 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R012 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R013 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R014 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R015 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R016 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R019 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R020 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R022 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R023 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R025 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R026 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W |
| R028 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R029 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R030 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R031 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |

| REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R032 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R034 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R035 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R036 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R037 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R038 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R039 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R040 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R041 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R042 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R043 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R044 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R045 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R046 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R047 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R048 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R049 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R050 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R051 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R052 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R053 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R054 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R055 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R056 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R057 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R058 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R064 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R065 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R066 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R067 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R068 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R069 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R070 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R071 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R072 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R073 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R074 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R075 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R076 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R077 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R078 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R079 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R080 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R081 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R082 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R083 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R084 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R087 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R090 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R092 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R097 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R099 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R131 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R132 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R133 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R135 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R136 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R137 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R319 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R320 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R321 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R328 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R333 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R336 | 1-249-387-11 | CARBON | 3.3 | 5% | 1/4W F |
| R337 | 1-216-347-11 | METAL OXIDE | 0.68 | 5% | 1W F |
| R348 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| R349 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R350 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R352 | 1-208-803-11 | METAL GLAZE | 7.5K | 0.50% | 1/10W |

RM-Y144 RM-Y144 RM-Y144 RM-Y144 RM-Y144

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• 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.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

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

| REF. NO. | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R353 | 1-208-788-11 | METAL GLAZE | 1.8K | 0 50% | 1/10W |
| R354 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R355 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R356 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R358 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R359 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R360 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R361 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R362 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R363 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R364 | 1-216-101-00 | METAL GLAZE | 150K | 5% | 1/10W |
| R365 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R366 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R367 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R368 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R369 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R370 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R371 | 1-216-053-00 | METAL GLAZE | 1 5K | 5% | 1/10W |
| R372 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R373 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R374 | 1-216-121-91 | METAL GLAZE | 1M | 5% | 1/10W (KV-32XBR48/34XBR48C) |
| R374 | 1-216-129-00 | METAL GLAZE | 2 2M | 5% | 1/10W (KV-35XBR48/35XBR88/37XBR48M) |
| R375 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R376 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R378 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R379 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R380 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R381 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R382 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R383 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R384 | 1-216-109-00 | METAL GLAZE | 330K | 5% | 1/10W |
| R385 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R386 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R387 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R388 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R389 | 1-216-067-00 | METAL GLAZE | 5.6K | 5% | 1/10W |
| R390 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R391 | 1-208-810-11 | METAL GLAZE | 15K | 0.50% | 1/10W |
| R392 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R393 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R394 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R395 | 1-216-061-00 | METAL GLAZE | 3 3K | 5% | 1/10W |
| R396 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R397 | 1-247-843-11 | CARBON | 3 3K | 5% | 1/4W |
| R398 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R501 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R502 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R503 | 1-249-425-11 | CARBON | 4 7K | 5% | 1/4W F |
| R504 | ⚠ 1-215-917-51 | METAL OXIDE | 1K | 5% | 3W F |
| R505 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R506 | 1-215-861-00 | METAL OXIDE | 47 | 5% | 1W F |
| R507 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W |
| R508 | 1-249-425-11 | CARBON | 4 7K | 5% | 1/4W |
| R509 | 1-260-324-11 | CARBON | 470 | 5% | 1/2W |
| R510 | ⚠ 1-215-861-51 | METAL OXIDE | 47 | 5% | 1W F |
| R511 | ⚠ 1-215-885-51 | METAL OXIDE | 68 | 5% | 2W F (KV-32XBR48/34XBR48C) |
| R511 | ⚠ 1-215-886-51 | METAL OXIDE | 100 | 5% | 2W F (KV-35XBR48/35XBR88/37XBR48M) |
| R512 | ⚠ 1-215-886-51 | METAL OXIDE | 100 | 5% | 2W F |
| R514 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R515 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R516 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R517 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R518 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R519 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R521 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |

| REF. NO | PART NO. | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R523 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R524 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R525 | 1-216-071-00 | METAL GLAZE | 8.2K | 5% | 1/10W |
| R526 | 1-215-880-00 | METAL OXIDE | 10 | 5% | 2W F (KV-35XBR48/35XBR88/37XBR48M) |
| R527 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R528 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R529 | 1-208-812-11 | METAL GLAZE | 18K | 0 50% | 1/10W (KV-35XBR48/35XBR88/37XBR48M) |
| R529 | 1-208-814-11 | METAL GLAZE | 22K | 0 50% | 1/10W (KV-32XBR48/34XBR48C) |
| ⊠R530 | ⚠ | METAL GLAZE | | | 1/10W |
| ⊠R531 | ⚠ | METAL GLAZE | | | 1/10W (KV-32XBR48/34XBR48C) |
| R531 | 1-208-838-11 | METAL GLAZE | 220K | 0.50% | 1/10W (KV-35XBR48/35XBR88/37XBR48M) |
| R532 | 1-208-760-11 | METAL GLAZE | 120 | 0.50% | 1/10W |
| R533 | ⚠ 1-215-878-51 | METAL OXIDE | 33K | 5% | 1W F (KV-35XBR48/35XBR88/37XBR48M) |
| R533 | ⚠ 1-215-879-51 | METAL OXIDE | 47K | 5% | 1W F (KV-32XBR48/34XBR48C) |
| R534 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R535 | 1-216-101-00 | METAL GLAZE | 150K | 5% | 1/10W (KV-32XBR48/34XBR48C) |
| R535 | 1-216-103-00 | METAL GLAZE | 180K | 5% | 1/10W (KV-35XBR48/35XBR88/37XBR48M) |
| R536 | ⚠ 1-260-288-71 | CARBON | 0.47 | 5% | 1/2W |
| R537 | ⚠ 1-260-288-71 | CARBON | 0.47 | 5% | 1/2W |
| R538 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R539 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R540 | 1-216-069-00 | METAL GLAZE | 6.8K | 5% | 1/10W |
| R541 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R542 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R543 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R544 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R545 | 1-249-387-11 | CARBON | 3 3 | 5% | 1/4W F |
| R546 | 1-215-452-00 | METAL | 20K | 1% | 1/4W (KV-35XBR48/35XBR88/37XBR48M) |
| R546 | 1-215-453-00 | METAL | 22K | 1% | 1/4W (KV-32XBR48/34XBR48C) |
| R547 | 1-215-457-00 | METAL | 33K | 1% | 1/4W |
| R549 | 1-215-437-00 | METAL | 4 7K | 1% | 1/4W |
| R550 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R551 | ⚠ 1-215-873-51 | METAL OXIDE | 4.7K | 5% | 1W F |
| R553 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R561 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R563 | ⚠ 1-216-349-51 | METAL OXIDE | 1 | 5% | 1W F |
| R564 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R565 | ⚠ 1-215-889-51 | METAL OXIDE | 330 | 5% | 2W F |
| R566 | 1-216-069-00 | METAL GLAZE | 6 8K | 5% | 1/10W |
| R567 | ⚠ 1-249-385-91 | CARBON | 2.2 | 5% | 1/4W F |
| R568 | 1-216-069-00 | METAL GLAZE | 6 8K | 5% | 1/10W |
| R569 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R570 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R571 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R572 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R573 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R574 | ⚠ 1-216-365-51 | METAL OXIDE | 0.47 | 5% | 2W F |
| R575 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R576 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R577 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R578 | 1-208-784-11 | METAL GLAZE | 1 2K | 0 50% | 1/10W |
| R579 | 1-208-842-11 | METAL GLAZE | 330K | 0 50% | 1/10W |
| R580 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R1001 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R1002 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R1003 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1004 | 1-216-067-00 | METAL GLAZE | 5 6K | 5% | 1/10W |
| R1005 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1006 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |

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

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite
Ne les remplacer que par une piece portant le numero specifie

A

| REF. NO. | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R1007 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R1008 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R1009 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1010 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1011 | 1-249-387-11 | CARBON | 3 3 | 5% | 1/4W F |
| R1012 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1101 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1102 | 1-215-900-11 | METAL OXIDE | 22K | 5% | 2W F |
| R1103 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1104 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R1105 | 1-216-689-11 | METAL GLAZE | 39K | 5% | 1/10W |
| R1106 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1107 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R1108 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1109 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R1110 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R1111 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R1113 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R1114 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R1115 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R1117 | 1-249-425-11 | CARBON | 4 7K | 5% | 1/4W |
| R1118 | 1-249-425-11 | CARBON | 4 7K | 5% | 1/4W |
| R1120 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R1121 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R1122 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R1123 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R1125 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R1126 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R1127 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R1128 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R1130 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R1301 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W |
| R1302 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W |
| R1303 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1304 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1305 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R1306 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R1307 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1308 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1309 | 1-216-051-00 | METAL GLAZE | 1 2K | 5% | 1/10W |
| R1310 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1311 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1312 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R1313 | 1-208-780-11 | METAL GLAZE | 820 | 0 50% | 1/10W |
| R1314 | 1-208-782-11 | METAL GLAZE | 1K | 0 50% | 1/10W |
| R1315 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1316 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R1317 | 1-216-105-91 | METAL GLAZE | 220K | 5% | 1/10W |
| R1318 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R1319 | 1-260-290-71 | CARBON | 0 68 | 5% | 1/2W |
| R1322 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1323 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R1326 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R1329 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R1330 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R1333 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R1337 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1351 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R1352 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R1353 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R1354 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R1355 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1356 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1357 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1358 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1359 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1360 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1361 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1362 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R1363 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R1364 | 1-216-097-91 | METAL GLAZE | 100K | 5% | 1/10W |
| R1365 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R1366 | 1-216-107-00 | METAL GLAZE | 270K | 5% | 1/10W |
| R1369 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W |
| R1371 | 1-216-295-91 | CONDUCTOR, CHIP | | | |
| R1373 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1374 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R1385 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1386 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1387 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R1388 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1389 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1390 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R1391 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R1392 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R1393 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1394 | 1-208-785-11 | METAL GLAZE | 1 3K | 0 50% | 1/10W |
| R1395 | 1-208-782-11 | METAL GLAZE | 1K | 0 50% | 1/10W |
| R1396 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1397 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R1398 | 1-216-057-00 | METAL GLAZE | 2 2K | 5% | 1/10W |
| R1399 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R1691 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R1692 | 1-216-397-11 | METAL OXIDE | 4 7 | 5% | 3W F |
| R1693 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1694 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1695 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1696 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |

<SWITCH>

| | | |
|---|---|---|
| S501 | 1-572-707-11 | SWITCH, LEVER |

<TRANSFORMER>

| | | |
|---|---|---|
| T501 | 1-437-210-11 | TRANSFORMER, HORIZONTAL DRIVE |
| T502 | ⚠ 1-429-408-11 | TRANSFORMER, FERRITE (PMT) (KV-35XBR48/35XBR88/37XBR48M) |
| T502 | ⚠ 1-424-545-22 | TRANSFORMER, FERRITE (PMT) (KV-32XBR48/34XBR48C) |
| T503 | ⚠ 1-453-244-11 | TRANSFORMER ASSY, FLYBACK (NX-2612//X4C) (KV-32XBR48/34XBR48C) |
| T503 | ⚠ X-4034-797-1 | TRANSFORMER ASSY, FLYBACK (NX-3005//J1C) (KV-35XBR48/35XBR88/37XBR48M) |
| T504 | 1-413-059-00 | TRANSFORMER, FERRITE (DFT) |

<TUNER>

| | | |
|---|---|---|
| TU102 | ⚠ 8-598-340-20 | TUNER, FSS BTF-WA404 |

<CRYSTAL>

| | | |
|---|---|---|
| X001 | 1-578-774-11 | VIBRATOR, CRYSTAL |
| X353 | 1-567-505-11 | OSCILLATOR, CRYSTAL |
| X354 | 1-579-583-11 | VIBRATOR, CERAMIC |

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Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

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

# G

| REF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | * A-1316-323-A | G BOARD, COMPLE ********** (KV-35XBR48/35XBR88/37XBR48M) | | | | |
| | * A-1316-324-A | G BOARD, COMPLE (KV-32XBR48) ********** | | | | |
| | * A-1316-331-A | G BOARD, COMPLE (KV-34XBR48C) ********** | | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | | |
| | | <CAPACITOR> | | | | |
| C601 | 1-130-711-00 | FILM | 0.22MF | 20% | 250V (KV-35XBR48/35XBR88/37XBR48M) | |
| C602 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | |
| C603 | ⚠1-113-907-51 | CERAMIC | 0.0022MF | 20% | 250V | |
| C605 | ⚠1-136-311-51 | FILM | 0.47MF | 20% | 125V | |
| C606 | ⚠1-117-894-11 | ELECT | 560MF | 20% | 250V | |
| C607 | ⚠1-117-894-11 | ELECT | 560MF | 20% | 250V | |
| C608 | 1-165-127-11 | CERAMIC | 470PF | 10% | 500V | |
| C609 | 1-136-175-00 | FILM | 0.68MF | 5% | 50V | |
| C610 | 1-136-175-00 | FILM | 0.68MF | 5% | 50V | |
| C611 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V | |
| C612 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V | |
| C613 | 1-164-646-11 | CERAMIC | 2200PF | 10% | 500V | |
| C615 | 1-129-722-00 | FILM | 0.047MF | 5% | 630V | |
| C641 | 1-128-550-11 | ELECT | 2200MF | 20% | 50V | |
| C643 | 1-107-641-11 | ELECT | 220MF | 20% | 160V (except KV-34XBR48C) | |
| C643 | 1-123-024-21 | ELECT | 33MF | | 160V (KV-34XBR48C) | |
| C647 | 1-104-665-11 | ELECT | 100MF | 20% | 25V | |
| C648 | 1-126-941-11 | ELECT | 470MF | 20% | 25V | |
| C651 | 1-137-366-11 | FILM | 0.0022MF | 5% | 50V (except KV-34XBR48C) | |
| C651 | 1-137-370-11 | FILM | 0.01MF | 5% | 50V (KV-34XBR48C) | |
| C652 | 1-106-343-00 | MYLAR | 0.001MF | 10% | 200V (KV-34XBR48C) | |
| C652 | 1-106-351-00 | MYLAR | 0.0022MF | | 200V (except KV-34XBR48C) | |
| C653 | 1-107-636-11 | ELECT | 10MF | 20% | 160V | |
| C654 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V | |
| C655 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V | |
| C656 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V | |
| C657 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V | |
| C658 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C660 | 1-126-943-11 | ELECT | 2200MF | 20% | 25V | |
| C661 | 1-126-941-11 | ELECT | 470MF | 20% | 25V | |
| C690 | 1-164-645-11 | CERAMIC | 1000PF | 10% | 500V | |
| C691 | 1-164-645-11 | CERAMIC | 1000PF | 10% | 500V | |
| | | <CONNECTOR> | | | | |
| CN601 | * 1-573-963-11 | PIN, CONNECTOR (PC BOARD) 3P (KV-35XBR48/35XBR88/37XBR48M) | | | | |
| CN602 | * 1-580-844-11 | PIN, CONNECTOR (POWER) | | | | |
| CN603 | * 1-573-963-11 | PIN, CONNECTOR (PC BOARD) 3P (KV-35XBR48/35XBR88/37XBR48M) | | | | |
| CN604 | * 1-508-765-00 | PIN, CONNECTOR (5mm PITCH) 3P (KV-32XBR48)(KV-34XBR48C) | | | | |
| CN641 | 1-564-513-11 | PLUG, CONNECTOR 10P | | | | |
| CN642 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | | | |
| CN643 | * 1-508-784-00 | PIN, CONNECTOR (5mm PITCH) 1P | | | | |
| | | <DIODE> | | | | |
| D601 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D602 | ⚠8-719-510-63 | DIODE D4SB60L | | | | |
| D615 | 8-719-028-45 | DIODE D2L20U | | | | |
| D641 | 8-719-052-92 | DIODE D10SBS4F | | | | |
| D642 | 8-719-510-02 | DIODE D1NS4 | | | | |
| D643 | 8-719-028-45 | DIODE D2L20U | | | | |
| D644 | 8-719-028-45 | DIODE D2L20U | | | | |
| D645 | 8-719-028-45 | DIODE D2L20U | | | | |
| D646 | 8-719-510-13 | DIODE D10SC4MR | | | | |
| D647 | 8-719-510-26 | DIODE D1NL20-TA2 | | | | |
| D648 | 8-719-057-52 | DIODE EZ0150AV1 | | | | |
| D649 | 8-719-510-02 | DIODE D1NS4 | | | | |
| D650 | 8-719-510-02 | DIODE D1NS4 | | | | |
| D651 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| D652 | 8-719-921-63 | DIODE MTZJ-7 5B | | | | |
| D653 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | <FUSE> | | | | |
| F601 | ⚠1-532-506-51 | FUSE (6.3A/250V) (KV-34XBR48C) | | | | |
| | 1-533-223-11 | HOLDER, FUSE , F601 | | | | |
| F601 | ⚠1-576-193-11 | FUSE (6.3A/125V) (except KV-34XBR48C) | | | | |
| | 1-533-223-11 | HOLDER, FUSE , F601 | | | | |
| | | <FERRITE BEAD> | | | | |
| FB601 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | | | |
| FB602 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | | | |
| FB603 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | | | |
| FB604 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | | | |
| FB641 | 1-410-397-21 | FERRITE BEAD INDUCTOR 1.1UH | | | | |
| FB642 | 1-410-397-21 | FERRITE BEAD INDUCTOR 1.1UH | | | | |
| FB645 | 1-410-397-21 | FERRITE BEAD INDUCTOR 1.1UH | | | | |
| FB647 | 1-410-397-21 | FERRITE BEAD INDUCTOR 1.1UH | | | | |
| | | <IC> | | | | |
| IC601 | ⚠8-729-041-12 | TRANSISTOR MX0841AB-F | | | | |
| IC641 | 8-759-198-03 | IC PQ09RF21 | | | | |
| IC642 | 8-759-701-56 | IC NJM78M05FA | | | | |
| IC643 | 8-749-012-13 | IC DM-58 | | | | |
| | | <COIL> | | | | |
| L642 | 1-412-529-11 | INDUCTOR 22UH | | | | |
| L643 | 1-412-525-31 | INDUCTOR 10UH | | | | |
| L644 | 1-412-531-31 | INDUCTOR 33UH | | | | |
| | | <TRANSISTOR> | | | | |
| Q643 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q644 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q645 | 8-729-026-41 | TRANSISTOR 2SA933AS-QRT | | | | |
| Q651 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| Q652 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | |
| | | <RESISTOR> | | | | |
| R603 | ⚠1-219-512-91 | RESISTOR(SURGE RESISTANT) 2.2M (except KV-34XBR48C) | | | | |
| R603 | ⚠1-247-289-11 | CARBON | 8.2M | 5% | 1W (34XBR48C) | |
| R607 | ⚠1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | F |
| R608 | 1-216-373-11 | METAL OXIDE | 2.2 | 5% | 2W | F |
| R611 | 1-216-373-11 | METAL OXIDE | 2.2 | 5% | 2W | F |
| R612 | 1-220-388-51 | METAL OXIDE | 68K | 5% | 1W | F |
| R613 | 1-220-388-51 | METAL OXIDE | 68K | 5% | 1W | F |
| R614 | 1-220-388-51 | METAL OXIDE | 68K | 5% | 1W | F |
| R615 | 1-220-388-51 | METAL OXIDE | 68K | 5% | 1W | F |
| R622 | ⚠1-212-958-61 | FUSIBLE | 10 | 5% | 1/2W | F |
| R623 | 1-202-981-11 | WIREWOUND | 0.82 | 5% | 20W (except KV-34XBR48C) | |
| R623 | 1-220-921-21 | WIREWOUND | 3.3 | 5% | 20W (KV-34XBR48C) | |
| R624 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | |

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

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

G C

| REF. NO. | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| R625 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W |
| R641 | 1-247-843-11 | CARBON | 3 3K | 5% | 1/4W |
| R642 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R643 | 1-249-387-11 | CARBON | 3 3 | 5% | 1/4W F |
| R645 | ⚠ 1-249-393-91 | CARBON | 10 | 5% | 1/4W F |
| R648 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W (except KV-34XBR48C) |
| R648 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W (KV-34XBR48C) |
| R649 | 1-249-425-11 | CARBON | 4 7K | 5% | 1/4W F (except KV-34XBR48C) |
| R649 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W F (KV-34XBR48C) |
| R650 | 1-249-425-11 | CARBON | 4 7K | 5% | 1/4W |
| R653 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R655 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R656 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R657 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R659 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R660 | ⚠ 1-249-393-91 | CARBON | 10 | 5% | 1/4W F |
| R661 | 1-249-419-11 | CARBON | 1 5K | 5% | 1/4W F |
| R662 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R665 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R666 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R667 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R668 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R670 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R671 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R672 | ⚠ 1-249-377-91 | CARBON | 0.47 | 5% | 1/4W F |
| R678 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R679 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R680 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R681 | ⚠ 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W F |

<RELAY>

| | | | |
|---|---|---|---|
| RY601 | ⚠ 1-755-146-11 | RELAY | |

<TRANSFORMER>

| | | |
|---|---|---|
| T602 | ⚠ 1-426-717-11 | TRANSFORMER, LINE FILTER (LFT) |
| T603 | ⚠ 1-429-992-11 | TRANSFORMER, CONVERTER (PRT) |
| T605 | ⚠ 1-431-467-11 | TRANSFORMER, CONVERTER (PIT) |

<THERMISTOR>

| | | |
|---|---|---|
| THP601 | ⚠ 1-809-539-11 | THERMISTOR, POSITIVE (except KV-34XBR48C) |
| THP601 | ⚠ 1-809-827-11 | THERMISTOR, POSITIVE (KV-34XBR48C) |

<VARISTOR>

| | | |
|---|---|---|
| VDR601 | 1-801-070-41 | VARISTOR ERZV10D431 |
| VDR602 | ⚠ 1-801-074-41 | VARISTOR ERZV10D271 (except KV-34XBR48C) |
| VDR602 | ⚠ 1-809-267-41 | VARISTOR ERZV10D471 (KV-34XBR48C) |

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| | | |
|---|---|---|
| * A-1331-692-A | C BOARD, COMPLETE | (KV-35XBR48/35XBR88/37XBR48M) |
| | ********** | |
| * A-1331-694-A | C BOARD, COMPLETE | (KV- 32XBR48/34XBR48C) |
| | ********** | |

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C1761 | 1-102-508-91 | CERAMIC | 10PF | 0.5PF | 50V |
| C1762 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1763 | 1-102-508-91 | CERAMIC | 10PF | 0 5PF | 50V |
| C1764 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1765 | 1-102-508-91 | CERAMIC | 10PF | 0.5PF | 50V |
| C1767 | 1-102-129-00 | CERAMIC | 0 01MF | 10% | 50V |
| C1768 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V |
| C1769 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C1770 | 1-102-157-00 | CERAMIC | 560PF | 10% | 500V |
| C1771 | 1-126-772-11 | ELECT | 1MF | 20% | 250V |
| C1772 | 1-102-129-00 | CERAMIC | 0 01MF | 10% | 50V |
| C1773 | 1-102-157-00 | CERAMIC | 560PF | 10% | 500V |
| C1774 | 1-126-772-11 | ELECT | 1MF | 20% | 250V |
| C1775 | 1-102-129-00 | CERAMIC | 0 01MF | 10% | 50V |
| C1776 | 1-102-157-00 | CERAMIC | 560PF | 10% | 500V |
| C1777 | 1-126-772-11 | ELECT | 1MF | 20% | 250V |
| C1778 | 1-102-074-00 | CERAMIC | 0 001MF | 10% | 50V |
| C1779 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV |
| C1783 | 1-106-375-12 | MYLAR | 0 022MF | | 200V |
| C1784 | 1-106-375-12 | MYLAR | 0 022MF | | 200V |
| C1786 | 1-107-651-11 | ELECT | 4.7MF | 20% | 250V |

<CONNECTOR>

| | | | |
|---|---|---|---|
| CN1761 | * 1-564-509-11 | PLUG, CONNECTOR 6P | |
| CN1764 | * 1-564-508-11 | PLUG, CONNECTOR 5P | |
| CN1765 | 1-695-915-11 | TAB (CONTACT) | |
| CN1766 | 1-695-915-11 | TAB (CONTACT) | |

<DIODE>

| | | |
|---|---|---|
| D1712 | 8-719-901-83 | DIODE 1SS83 |
| D1713 | 8-719-908-03 | DIODE GP08D |
| D1762 | 8-719-911-19 | DIODE 1SS119-25 |
| D1763 | 8-719-911-19 | DIODE 1SS119-25 |
| D1764 | 8-719-911-19 | DIODE 1SS119-25 |
| D1767 | 8-719-109-90 | DIODE RD5 6ESB3 |
| D1768 | 8-719-911-19 | DIODE 1SS119-25 |
| D1769 | 8-719-109-71 | DIODE RD3 9ESB1 |
| D1770 | 8-719-901-83 | DIODE 1SS83 |
| D1771 | 8-719-901-83 | DIODE 1SS83 |

<IC>

| | | |
|---|---|---|
| IC1761 | 8-759-346-42 | IC TDA6101Q/N3 |
| IC1762 | 8-759-346-42 | IC TDA6101Q/N3 |
| IC1763 | 8-759-346-42 | IC TDA6101Q/N3 |

<JACK>

| | | |
|---|---|---|
| J1761 | ⚠ 1-251-388-11 | SOCKET, PICTURE TUBE |

<COIL>

| | | |
|---|---|---|
| L1761 | 1-410-470-11 | INDUCTOR 10UH |

<TRANSISTOR>

| | | |
|---|---|---|
| Q1761 | 8-729-026-41 | TRANSISTOR 2SA933AS-QRT |

<RESISTOR>

| | | | | | |
|---|---|---|---|---|---|
| R1761 | 1-215-413-00 | METAL | 470 | 1% | 1/4W |
| R1762 | 1-215-413-00 | METAL | 470 | 1% | 1/4W |
| R1763 | 1-215-424-00 | METAL | 1 3K | 1% | 1/4W |
| R1764 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R1765 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R1766 | 1-215-424-00 | METAL | 1 3K | 1% | 1/4W |
| R1767 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R1768 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R1769 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R1770 | 1-215-424-00 | METAL | 1 3K | 1% | 1/4W |

# C HX HF WA

| REF NO | PART NO | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| R1771 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | |
| R1772 | 1-249-421-11 | CARBON | 2 2K | 5% | 1/4W | |
| R1773 | 1-249-422-11 | CARBON | 2 7K | 5% | 1/4W | |
| R1774 | 1-215-903-11 | METAL OXIDE | 68K | 5% | 2W | F |
| R1775 | 1-249-422-11 | CARBON | 2 7K | 5% | 1/4W | |
| R1776 | 1-215-903-11 | METAL OXIDE | 68K | 5% | 2W | F |
| R1777 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W | |
| R1778 | 1-249-422-11 | CARBON | 2 7K | 5% | 1/4W | |
| R1779 | 1-215-903-11 | METAL OXIDE | 68K | 5% | 2W | F |
| R1780 | 1-249-436-11 | CARBON | 39K | 5% | 1/4W | |
| R1781 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W | |
| R1782 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W | |
| R1783 | 1-260-087-11 | CARBON | 100 | 5% | 1/2W | |
| R1786 | 1-260-123-11 | CARBON | 100K | 5% | 1/2W | |
| R1787 | 1-216-365-00 | METAL OXIDE | 0 47 | 5% | 2W | F |
| | | | | | | (KV-35XBR48/35XBR88/37XBR48M) |
| R1787 | 1-216-374-00 | METAL OXIDE | 2 7 | 5% | 2W | F |
| | | | | | | (KV-32XBR48/34XBR48C) |
| R1788 | 1-260-132-11 | CARBON | 560K | 5% | 1/2W | |

**********

* A-1372-350-A HX BOARD, COMPLETE
**********

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C2001 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |

<CONNECTOR>

| | | | | | |
|---|---|---|---|---|---|
| CN2001 | * 1-564-522-11 | PLUG, CONNECTOR 7P | | | |

<DIODE>

| | | | | | |
|---|---|---|---|---|---|
| D2002 | 8-719-057-09 | DIODE LNJ801LPDJA | | | |
| D2003 | 8-719-057-09 | DIODE LNJ801LPDJA | | | |

<IC>

| | | | | | |
|---|---|---|---|---|---|
| IC2001 | 8-742-014-10 | HYB IC SBX1981-51 | | | |

<RESISTOR>

| | | | | | |
|---|---|---|---|---|---|
| R2001 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R2002 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R2003 | 1-216-017-91 | METAL GLAZE | 47 | 5% | 1/10W |
| R2010 | 1-216-047-91 | METAL GLAZE | 820 | 5% | 1/10W |
| R2011 | 1-216-049-91 | METAL GLAZE | 1K | 5% | 1/10W |
| R2012 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W |
| R2013 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R2014 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |

<SWITCH>

| | | |
|---|---|---|
| S2001 | 1-572-198-11 | SWITCH, KEYBOARD |
| S2002 | 1-572-198-11 | SWITCH, KEYBOARD |
| S2003 | 1-572-198-11 | SWITCH, KEYBOARD |
| S2004 | 1-572-198-11 | SWITCH, KEYBOARD |
| S2005 | 1-572-198-11 | SWITCH, KEYBOARD |
| S2006 | 1-572-198-11 | SWITCH, KEYBOARD |
| S2007 | 1-572-198-11 | SWITCH, KEYBOARD |

**********

| REF NO | PART NO | DESCRIPTION | | | | REMARK |
|---|---|---|---|---|---|---|
| | * A-1372-351-A | HF BOARD, COMPLETE | | | | |
| | | ********** | | | | |
| | | <CAPACITOR> | | | | |
| C1234 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| C1235 | 1-126-960-11 | ELECT | 1MF | 20% | 50V | |
| | | <CONNECTOR> | | | | |
| CN1232 | * 1-564-512-11 | PLUG, CONNECTOR 9P | | | | |
| | | <DIODE> | | | | |
| D1233 | 8-719-110-17 | DIODE RD10ESB2 | | | | |
| | | <JACK> | | | | |
| J1231 | 1-565-929-11 | TERMINAL BLOCK, S 3P | | | | |
| | | <RESISTOR> | | | | |
| R1233 | 1-249-425-11 | CARBON | 4 7K | 5% | 1/4W | |
| R1235 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W | |
| R1236 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W | |
| R1237 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W | |
| R1238 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W | |

**********

* A-1372-348-A WA BOARD, COMPLETE
**********
(KV-35XBR48/35XBR88/37XBR48M)

* A-1372-352-A WA BOARD, COMPLETE
**********
(KV-32XBR48/34XBR48C)

4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

| | | | | | |
|---|---|---|---|---|---|
| C944 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| C946 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C949 | 1-161-830-00 | CERAMIC | 0 0047MF | | 500V |
| C950 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C951 | 1-107-637-11 | ELECT | 22MF | 20% | 160V |
| C952 | 1-104-999-11 | MYLAR | 0 1MF | 10% | 200V |
| C953 | 1-106-383-00 | MYLAR | 0 047MF | 10% | 200V |
| C954 | 1-137-364-11 | FILM | 0 001MF | 5% | 50V |
| C955 | 1-107-667-11 | ELECT | 2 2MF | 20% | 160V |
| C956 | 1-137-364-11 | FILM | 0 001MF | 5% | 50V |
| C957 | 1-106-383-00 | MYLAR | 0 047MF | 10% | 200V |
| C958 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C961 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C962 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C965 | 1-163-809-11 | CERAMIC CHIP | 0 047MF | 10% | 25V |
| C966 | 1-163-009-11 | CERAMIC CHIP | 0 001MF | 10% | 50V |
| C967 | 1-129-718-00 | FILM | 0 022MF | 5% | 630V |
| C968 | 1-137-579-11 | FILM | 0 068MF | 5% | 100V |
| C969 | 1-163-035-00 | CERAMIC CHIP | 0 047MF | | 50V |
| | | | | | (KV-35XBR48/35XBR88/37XBR48M) |
| C981 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C983 | 1-137-366-11 | FILM | 0 0022MF | 5% | 50V |
| | | | | | (KV-35XBR48/35XBR88/37XBR48M) |
| C1941 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C1948 | 1-164-161-11 | CERAMIC CHIP | 0 0022MF | 10% | 50V |

WA K

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| | | <CONNECTOR> | |
| CN941 | * 1-564-511-11 | PLUG, CONNECTOR 8P | |
| CN961 | * 1-770-723-11 | CONNECTOR, BOARD TO BOARD 8P | |
| CN981 | * 1-564-506-11 | PLUG, CONNECTOR 3P (KV-35XBR48/35XBR88/37XBR48M) | |
| | | <DIODE> | |
| D941 | 8-719-911-19 | DIODE 1SS119-25 | |
| D946 | 8-719-110-88 | DIODE RD39ESB2 | |
| D947 | 8-719-110-88 | DIODE RD39ESB2 | |
| D962 | 8-719-911-19 | DIODE 1SS119-25 | |
| D964 | 8-719-302-43 | DIODE EL1Z | |
| | | <IC> | |
| IC961 | 8-759-700-07 | IC NJM2903M | |
| IC981 | 8-759-603-37 | IC M5216P (KV-35XBR48/35XBR88/37XBR48M) | |
| | | <COIL> | |
| L962 | 1-406-989-21 | COIL, CHOKE 10mH | |
| L963 | 1-406-675-11 | COIL, CHOKE 4.7mH | |
| | | <TRANSISTOR> | |
| Q943 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q944 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q945 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q946 | 8-729-017-05 | TRANSISTOR 2SA1837 | |
| Q947 | 8-729-017-06 | TRANSISTOR 2SC4793 | |
| Q962 | 8-729-931-45 | TRANSISTOR IRF614 | |
| Q963 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q965 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q966 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q981 | 8-729-422-27 | TRANSISTOR 2SD601A-Q (KV-35XBR48/35XBR88/37XBR48M) | |
| | | <RESISTOR> | |
| R943 | 1-216-025-91 | METAL GLAZE 100 5% 1/10W | |
| R948 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R949 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W | |
| R950 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R951 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R952 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W | |
| R953 | 1-216-021-00 | METAL GLAZE 68 5% 1/10W | |
| R954 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R955 | 1-216-047-91 | METAL GLAZE 820 5% 1/10W | |
| R956 | 1-216-025-91 | METAL GLAZE 100 5% 1/10W | |
| R957 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R958 | 1-216-025-91 | METAL GLAZE 100 5% 1/10W | |
| R959 | 1-216-021-00 | METAL GLAZE 68 5% 1/10W | |
| R960 | 1-216-689-11 | METAL GLAZE 39K 5% 1/10W | |
| R961 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R962 | 1-216-057-00 | METAL GLAZE 2 2K 5% 1/10W | |
| R963 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R964 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R965 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R966 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R967 | 1-216-063-91 | METAL GLAZE 3.9K 5% 1/10W | |
| R968 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W | |
| R969 | 1-216-295-91 | CONDUCTOR, CHIP | |
| R970 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W | |
| R971 | 1-247-895-91 | CARBON 470K 5% 1/4W | |
| R972 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R973 | 1-216-121-91 | METAL GLAZE 1M 5% 1/10W | |
| R974 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R975 | 1-215-885-00 | METAL OXIDE 68 5% 2W F (KV-35XBR48/35XBR88/37XBR48M) | |

| REF. NO | PART NO. | DESCRIPTION | REMARK |
|---|---|---|---|
| R975 | 1-215-886-11 | METAL OXIDE 100 5% 2W F (KV-32XBR48/34XBR48C) | |
| R976 | 1-215-859-00 | METAL OXIDE 22 5% 1W F | |
| R977 | 1-249-401-11 | CARBON 47 5% 1/4W F | |
| R978 | 1-215-885-00 | METAL OXIDE 68 5% 2W F (KV-35XBR48/35XBR88/37XBR48M) | |
| R978 | 1-215-886-11 | METAL OXIDE 100 5% 2W F (KV-32XBR48/34XBR48C) | |
| R979 | 1-216-017-91 | METAL GLAZE 47 5% 1/10W | |
| R981 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W (KV-35XBR48/35XBR88/37XBR48M) | |
| R982 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W (KV-35XBR48/35XBR88/37XBR48M) | |
| R983 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W (KV-35XBR48/35XBR88/37XBR48M) | |
| R984 | 1-216-069-00 | METAL GLAZE 6 8K 5% 1/10W (KV-35XBR48/35XBR88/37XBR48M) | |
| R987 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W (KV-35XBR48/35XBR88/37XBR48M) | |
| R992 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W (KV-35XBR48/35XBR88/37XBR48M) | |
| R1941 | 1-260-312-11 | CARBON 47 5% 1/2W | |
| R1942 | 1-249-387-11 | CARBON 3 3 5% 1/4W F | |
| R1943 | 1-249-414-11 | CARBON 560 5% 1/4W F | |
| R1944 | 1-249-432-11 | CARBON 18K 5% 1/4W | |
| R1945 | 1-215-914-11 | METAL OXIDE 330 5% 3W F | |
| R1946 | 1-249-417-11 | CARBON 1K 5% 1/4W F | |
| R1947 | 1-249-432-11 | CARBON 18K 5% 1/4W | |
| R1948 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| R1949 | 1-249-387-11 | CARBON 3 3 5% 1/4W F | |
| R1950 | 1-249-401-11 | CARBON 47 5% 1/4W F | |

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* A-1380-540-A K BOARD, COMPLETE
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4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

| | | | | |
|---|---|---|---|---|
| C1461 | 1-126-960-11 | ELECT 1MF | 20% | 50V |
| C1462 | 1-126-960-11 | ELECT 1MF | 20% | 50V |
| C1463 | 1-126-961-11 | ELECT 2.2MF | 20% | 50V |
| C1464 | 1-104-666-11 | ELECT 220MF | 20% | 25V |
| C1465 | 1-126-960-11 | ELECT 1MF | 20% | 50V |
| C1467 | 1-104-664-11 | ELECT 47MF | 20% | 25V |
| C1468 | 1-126-960-11 | ELECT 1MF | 20% | 50V |
| C1470 | 1-104-666-11 | ELECT 220MF | 20% | 25V |
| C1471 | 1-136-169-00 | FILM 0 22MF | 5% | 50V |
| C1472 | 1-136-173-00 | FILM 0 47MF | 5% | 50V |
| C1473 | 1-128-550-11 | ELECT 2200MF | 20% | 50V |
| C1474 | 1-136-169-00 | FILM 0 22MF | 5% | 50V |
| C1475 | 1-128-550-11 | ELECT 2200MF | 20% | 50V |
| C1476 | 1-128-550-11 | ELECT 2200MF | 20% | 50V |

<CONNECTOR>

| | | |
|---|---|---|
| CN1461 | * 1-564-508-11 | PLUG, CONNECTOR 5P |
| CN1462 | * 1-564-507-11 | PLUG, CONNECTOR 4P |
| CN1463 | * 1-564-508-11 | PLUG, CONNECTOR 5P |

<DIODE>

| | | |
|---|---|---|
| D1461 | 8-719-911-19 | DIODE 1SS119-25 |
| D1462 | 8-719-979-50 | DIODE EGP30D |

<IC>

| | | |
|---|---|---|
| IC1461 | 8-759-089-13 | IC TDA7262 |

# K UX

Les composants identifies par une trame et une marque ⚠ sont critiques pour la secunte Ne les remplacer que par une piece portant le numero specifie.

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

| REF. NO. | PART NO | DESCRIPTION | | | REMARK |
|---|---|---|---|---|---|
| | | <IC LINK> | | | |
| PS1461 ⚠ | 1-532-984-91 | LINK, IC (2A/90V) | | | |
| | | <TRANSISTOR> | | | |
| Q1461 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | | |
| Q1462 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | | | |
| Q1463 | 8-729-900-53 | TRANSISTOR DTC114EK | | | |
| Q1464 | 8-729-900-53 | TRANSISTOR DTC114EK | | | |
| | | <RESISTOR> | | | |
| R1461 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R1462 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1464 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R1465 | 1-216-065-00 | METAL GLAZE | 4 7K | 5% | 1/10W |
| R1466 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R1467 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1469 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W F |
| R1470 | 1-249-385-11 | CARBON | 2 2 | 5% | 1/4W F |
| R1471 | 1-216-089-91 | METAL GLAZE | 47K | 5% | 1/10W |
| R1472 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R1473 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R1474 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R1475 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R1476 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W |
| R1477 | 1-249-419-11 | CARBON | 1 5K | 5% | 1/4W F |
| R1478 | 1-247-791-91 | CARBON | 22 | 5% | 1/4W |
| R1479 | 1-249-419-11 | CARBON | 1 5K | 5% | 1/4W F |
| R1480 | 1-249-421-11 | CARBON | 2 2K | 5% | 1/4W |
| R1481 | 1-249-421-11 | CARBON | 2 2K | 5% | 1/4W |
| R1482 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R1483 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |

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* A-1394-860-A UX BOARD, COMPLETE
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| | | | | | |
|---|---|---|---|---|---|
| | | <CAPACITOR> | | | |
| C151 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C152 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C153 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V |
| C154 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V |
| C156 | 1-163-809-11 | CERAMIC CHIP | 0 047MF | 10% | 25V |
| C158 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C159 | 1-163-017-00 | CERAMIC CHIP | 0 0047MF | 10% | 50V |
| C160 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C161 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C162 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C164 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C166 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C167 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C168 | 1-104-666-11 | ELECT | 220MF | 20% | 25V |
| C173 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C174 | 1-164-005-11 | CERAMIC CHIP | 0 47MF | | 25V |
| C201 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C202 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C203 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C204 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C205 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C231 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C232 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C233 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C234 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C235 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C236 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C237 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C238 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| C241 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C242 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C243 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C244 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C245 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| C247 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C248 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C249 | 1-126-959-11 | ELECT | 0 47MF | 20% | 50V |
| C272 | 1-163-231-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C273 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C277 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C278 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C279 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| C281 | 1-128-551-11 | ELECT | 22MF | 20% | 25V |
| C283 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C284 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C1051 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1053 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1151 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C1152 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C1153 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V |
| C1155 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C1156 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C1157 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1158 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C1159 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C1402 | 1-126-964-11 | ELECT | 10MF | 20% | 50V |
| C1404 | 1-163-038-91 | CERAMIC CHIP | 0 1MF | | 25V |
| C1405 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C1406 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C1407 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| C1408 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V |
| C1409 | 1-164-161-11 | CERAMIC CHIP | 0 0022MF | 10% | 50V |
| C1410 | 1-164-161-11 | CERAMIC CHIP | 0 0022MF | 10% | 50V |
| C1411 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V |
| C1414 | 1-164-222-11 | CERAMIC CHIP | 0 22MF | | 25V |
| C1415 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C1416 | 1-104-665-11 | ELECT | 100MF | 20% | 25V |
| C1420 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C1421 | 1-126-961-11 | ELECT | 2 2MF | 20% | 50V |
| C1422 | 1-126-961-11 | ELECT | 2 2MF | 20% | 50V |
| C2201 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2202 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C2203 | 1-164-232-11 | CERAMIC CHIP | 0 01MF | 10% | 50V |
| | | <CONNECTOR> | | | |
| CN261 | 1-573-300-21 | CONNECTOR, BOARD TO BOARD 18P | | | |
| CN262 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P | | | |
| CN264 | * 1-691-914-11 | CONNECTOR, BOARD TO BOARD 15P | | | |
| CN1401 | * 1-564-508-11 | PLUG, CONNECTOR 5P | | | |
| | | <DIODE> | | | |
| D151 | 8-719-404-49 | DIODE MA111 | | | |
| D152 | 8-719-404-49 | DIODE MA111 | | | |
| D154 | 8-719-404-49 | DIODE MA111 | | | |
| D201 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D202 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D203 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D204 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D205 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D231 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D232 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D233 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |
| D234 | 8-719-032-47 | DIODE MTZJ-T-9110 | | | |

| REF NO | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| D235 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D236 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D237 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D238 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D239 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D245 | 8-719-157-94 | DIODE RD3 3SB | |
| D246 | 8-719-157-94 | DIODE RD3 3SB | |
| D247 | 8-719-157-94 | DIODE RD3 3SB | |
| D248 | 8-719-157-94 | DIODE RD3 3SB | |
| D249 | 8-719-157-94 | DIODE RD3 3SB | |
| D250 | 8-719-157-94 | DIODE RD3 3SB | |
| D261 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D902 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D910 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D911 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D912 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D1051 | 8-719-404-49 | DIODE MA111 | |
| D1052 | 8-719-404-49 | DIODE MA111 | |
| D2201 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D2202 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| D2203 | 8-719-032-47 | DIODE MTZJ-T-9110 | |
| | | <IC> | |
| IC151 | 8-759-700-44 | IC NJM2902M | |
| IC152 | 8-759-700-44 | IC NJM2902M | |
| IC153 | 8-759-700-44 | IC NJM2902M | |
| IC154 | 8-759-009-06 | IC MC14052BF | |
| IC155 | 8-759-700-44 | IC NJM2902M | |
| IC156 | 8-759-700-44 | IC NJM2902M | |
| IC157 | 8-759-009-06 | IC MC14052BF | |
| IC261 | 8-752-066-69 | IC CXA1845Q | |
| IC1051 | 8-752-058-68 | IC CXA1315M | |
| IC1401 | 8-759-369-39 | IC BH3856FS-E2 | |
| IC1402 | 8-759-100-96 | IC uPC4558G2 | |
| | | <JACK> | |
| J231 | 1-750-515-11 | TERMINAL BLOCK, S 3P | |
| J232 | 1-750-517-11 | JACK BLOCK, PIN 3P | |
| J233 | 1-750-516-11 | JACK BLOCK, PIN 2P | |
| J234 | 1-750-517-11 | JACK BLOCK, PIN 3P | |
| J235 | 1-750-517-11 | JACK BLOCK, PIN 3P | |
| J236 | 1-774-358-11 | JACK BLOCK, PIN | |
| J902 | 1-764-143-11 | JACK 3P | |
| J903 | 1-764-143-11 | JACK 3P | |
| J904 | 1-764-143-11 | JACK 3P | |
| J905 | 1-764-143-11 | JACK 3P | |
| | | <COIL> | |
| L261 | 1-410-482-31 | INDUCTOR 100UH | |
| | | <TRANSISTOR> | |
| Q202 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q203 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q205 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q206 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q208 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q209 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q210 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q211 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q212 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q231 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q233 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q234 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q235 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q236 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q237 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q238 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q239 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q240 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q241 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q242 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q243 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q244 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q245 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q246 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q262 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q263 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q264 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q265 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q266 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q267 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q268 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| Q1051 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| | | <RESISTOR> | |
| R151 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W | |
| R152 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R153 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R154 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W | |
| R155 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R156 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R157 | 1-216-079-00 | METAL GLAZE 18K 5% 1/10W | |
| R158 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R159 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R160 | 1-216-079-00 | METAL GLAZE 18K 5% 1/10W | |
| R161 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R162 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R163 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R164 | 1-216-065-00 | METAL GLAZE 4 7K 5% 1/10W | |
| R165 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W | |
| R167 | 1-216-091-00 | METAL GLAZE 56K 5% 1/10W | |
| R168 | 1-216-075-00 | METAL GLAZE 12K 5% 1/10W | |
| R169 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R170 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R171 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R172 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R173 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R174 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R175 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R176 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R178 | 1-216-091-00 | METAL GLAZE 56K 5% 1/10W | |
| R179 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R180 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R181 | 1-216-049-91 | METAL GLAZE 1K 5% 1/10W | |
| R183 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R184 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R185 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R186 | 1-216-089-91 | METAL GLAZE 47K 5% 1/10W | |
| R187 | 1-216-099-00 | METAL GLAZE 120K 5% 1/10W | |
| R188 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R189 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R190 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R191 | 1-216-089-91 | METAL GLAZE 47K 5% 1/10W | |
| R192 | 1-216-063-91 | METAL GLAZE 3 9K 5% 1/10W | |
| R193 | 1-216-099-00 | METAL GLAZE 120K 5% 1/10W | |
| R194 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R195 | 1-216-075-00 | METAL GLAZE 12K 5% 1/10W | |
| R196 | 1-216-089-91 | METAL GLAZE 47K 5% 1/10W | |
| R197 | 1-216-097-91 | METAL GLAZE 100K 5% 1/10W | |
| R198 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |
| R199 | 1-216-089-91 | METAL GLAZE 47K 5% 1/10W | |
| R200 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W | |

# UX

| REF. NO. | PART NO | DESCRIPTION | | REMARK |
|---|---|---|---|---|
| R201 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R202 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R203 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R204 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R205 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R206 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R207 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R208 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R211 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R212 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R213 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R214 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R218 | 1-208-774-11 | METAL GLAZE 470 | 0 50% | 1/10W |
| R219 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R220 | 1-208-776-11 | METAL GLAZE 560 | 0.50% | 1/10W |
| R221 | 1-208-774-11 | METAL GLAZE 470 | 0.50% | 1/10W |
| R222 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R223 | 1-208-776-11 | METAL GLAZE 560 | 0.50% | 1/10W |
| R225 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R226 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R228 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R229 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R230 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R231 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R232 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R233 | 1-216-065-00 | METAL GLAZE 4.7K | 5% | 1/10W |
| R234 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R235 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R236 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R237 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R238 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R239 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R240 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R241 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R242 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R243 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R244 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R245 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R246 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R247 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R248 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R249 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R250 | 1-216-065-00 | METAL GLAZE 4.7K | 5% | 1/10W |
| R251 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R252 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R254 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R256 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R257 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R258 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R259 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R260 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R261 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R262 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R263 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R264 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R265 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R266 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R267 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R268 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R269 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R270 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R271 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R272 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R273 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R274 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R275 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R276 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R278 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |

| REF NO | PART NO | DESCRIPTION | | REMARK |
|---|---|---|---|---|
| R279 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R280 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R281 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R282 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R283 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R284 | 1-216-033-00 | METAL GLAZE 220 | 5% | 1/10W |
| R285 | 1-216-033-00 | METAL GLAZE 220 | 5% | 1/10W |
| R286 | 1-216-067-00 | METAL GLAZE 5.6K | 5% | 1/10W |
| R287 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R288 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R289 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R290 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R291 | 1-216-067-00 | METAL GLAZE 5 6K | 5% | 1/10W |
| R292 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R293 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R294 | 1-216-077-00 | METAL GLAZE 15K | 5% | 1/10W |
| R295 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R296 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R297 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R298 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R300 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R902 | 1-249-405-11 | CARBON 100 | 5% | 1/4W F |
| R919 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R921 | 1-249-405-11 | CARBON 100 | 5% | 1/4W F |
| R923 | 1-249-405-11 | CARBON 100 | 5% | 1/4W F |
| R925 | 1-249-405-11 | CARBON 100 | 5% | 1/4W F |
| R926 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1051 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1052 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1053 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1054 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1055 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1056 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1057 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1058 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1059 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1060 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1062 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1063 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1064 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1065 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1151 | 1-216-053-00 | METAL GLAZE 1 5K | 5% | 1/10W |
| R1152 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1153 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R1154 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1156 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1157 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1158 | 1-216-065-00 | METAL GLAZE 4.7K | 5% | 1/10W |
| R1159 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1160 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1161 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1162 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1163 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1164 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1165 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1166 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1167 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1168 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1169 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1170 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1171 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1172 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R1173 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1174 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1175 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1176 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1177 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1178 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1179 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |

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

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite
Ne les remplacer que par une piece portant le numero specifie

UX FA

| REF. NO. | PART NO | DESCRIPTION | | REMARK |
|---|---|---|---|---|
| R1180 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1181 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1182 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1183 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R1184 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1185 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1186 | 1-216-065-00 | METAL GLAZE 4.7K | 5% | 1/10W |
| R1187 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1188 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1189 | 1-216-057-00 | METAL GLAZE 2.2K | 5% | 1/10W |
| R1190 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1191 | 1-216-017-91 | METAL GLAZE 47 | 5% | 1/10W |
| R1192 | 1-216-017-91 | METAL GLAZE 47 | 5% | 1/10W |
| R1193 | 1-216-099-00 | METAL GLAZE 120K | 5% | 1/10W |
| R1194 | 1-208-291-11 | METAL GLAZE 4 7M | 5% | 1/10W |
| R1195 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R1196 | 1-208-291-11 | METAL GLAZE 4.7M | 5% | 1/10W |
| R1197 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1198 | 1-216-063-91 | METAL GLAZE 3 9K | 5% | 1/10W |
| R1199 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R1200 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R1201 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R1202 | 1-216-053-00 | METAL GLAZE 1 5K | 5% | 1/10W |
| R1203 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R1204 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1205 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1207 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1208 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1209 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1211 | 1-216-089-91 | METAL GLAZE 47K | 5% | 1/10W |
| R1212 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1213 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1214 | 1-208-774-11 | METAL GLAZE 470 | 0 50% | 1/10W |
| R1215 | 1-208-776-11 | METAL GLAZE 560 | 0.50% | 1/10W |
| R1216 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1217 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1242 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1243 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1244 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1245 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1246 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R1247 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R1248 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R1249 | 1-216-113-00 | METAL GLAZE 470K | 5% | 1/10W |
| R1250 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1251 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1252 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1254 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1255 | 1-216-065-00 | METAL GLAZE 4.7K | 5% | 1/10W |
| R1256 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1257 | 1-216-065-00 | METAL GLAZE 4 7K | 5% | 1/10W |
| R1258 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1259 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1260 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1261 | 1-208-774-11 | METAL GLAZE 470 | 0 50% | 1/10W |
| R1262 | 1-208-776-11 | METAL GLAZE 560 | 0.50% | 1/10W |
| R1263 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1264 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1265 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1266 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R1267 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1268 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1269 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R1270 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1271 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1272 | 1-208-774-11 | METAL GLAZE 470 | 0 50% | 1/10W |
| R1273 | 1-208-777-11 | METAL GLAZE 620 | 0.50% | 1/10W |
| R1274 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1275 | 1-216-097-91 | METAL GLAZE 100K | 5% | 1/10W |
| R1276 | 1-216-041-00 | METAL GLAZE 470 | 5% | 1/10W |
| R1277 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1278 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1279 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1280 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1281 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1282 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1283 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1284 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1286 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1287 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1288 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1289 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1290 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1291 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1292 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1293 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1294 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1295 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1296 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1297 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1298 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1299 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1300 | 1-216-049-91 | METAL GLAZE 1K | 5% | 1/10W |
| R1401 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1406 | 1-216-295-91 | CONDUCTOR, CHIP | | |
| R1407 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1408 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1409 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1411 | 1-216-073-00 | METAL GLAZE 10K | 5% | 1/10W |
| R1412 | 1-216-093-00 | METAL GLAZE 68K | 5% | 1/10W |
| R1414 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1415 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1418 | 1-216-093-00 | METAL GLAZE 68K | 5% | 1/10W |
| R1419 | 1-216-081-00 | METAL GLAZE 22K | 5% | 1/10W |
| R1421 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1424 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R1425 | 1-216-025-91 | METAL GLAZE 100 | 5% | 1/10W |
| R2201 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R2202 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |
| R2203 | 1-216-022-00 | METAL GLAZE 75 | 5% | 1/10W |

**********

* A-1241-293-A FA BOARD, COMPLETE (KV-35XBR88)
**********

<CONNECTOR>

CN1601 1-691-960-11 PIN, CONNECTOR (PC BOARD) 3P
CN1602 * 1-580-843-11 PIN, CONNECTOR (POWER)
CN1603 ⚠ 1-540-062-11 OUTLET, AC (POLAR)

<FUSE>

F1601 ⚠ 1-576-107-12 FUSE
1-533-223-11 HOLDER, FUSE , F1601
F1602 ⚠ 1-576-193-11 FUSE
1-533-223-11 HOLDER, FUSE , F1602

<VARISTOR>

VDR1601 1-801-074-41 VARISTOR ERZV10D271

**********

FB

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie

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

| REF. NO. | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| | * A-1241-294-A | FB BOARD, COMPLETE (KV-35XBR88) ********** | |
| | | <CAPACITOR> | |
| C1621 | 1-126-943-11 | ELECT 2200MF 20% 25V | |
| | | <CONNECTOR> | |
| CN1621 | 1-764-101-11 | PIN, CONNECTOR (PC BOARD) 2P | |
| CN1622 | * 1-564-506-11 | PLUG, CONNECTOR 3P | |
| | | <DIODE> | |
| D1621 | 8-719-510-02 | DIODE D1NS4-TA | |
| D1622 | 8-719-510-02 | DIODE D1NS4-TA | |
| D1623 | 8-719-510-02 | DIODE D1NS4-TA | |
| D1624 | 8-719-510-02 | DIODE D1NS4-TA | |
| | | <RESISTOR> | |
| R1621 | 1-216-371-00 | METAL OXIDE 1 5 5% 2W F | |
| R1622 | 1-202-933-61 | FUSIBLE 0 1 10% 1/2W F | |
| | | ********** | |
| | | MISCELLANEOUS ********** | |
| | ⚠ 1-402-952-12 | COIL, DEMAGNETIZATION (KV-32XBR48) | |
| | ⚠ 1-411-474-11 | COIL, DEMAGNETIZATION (KV-34XBR48C) | |
| | ⚠ 1-411-881-12 | COIL, DEMAGNETIC (KV-35XBR48/35XBR88/37XBR48M) | |
| | ⚠ 1-411-882-12 | COIL, DEMAGNETIC (KV-35XBR48/35XBR88/37XBR48M) | |
| | 1-431-520-11 | TRANSFORMER, POWER (KV-35XBR88) | |
| | 1-452-885-11 | MAGNET, LANDING (KV-32XBR48/34XBR48C) | |
| | 1-475-319-11 | DOOR UNIT, AUTO (KV-35XBR88) | |
| | 1-505-684-11 | SPEAKER UNIT, BOX TYPE (KV-35XBR48/35XBR88/37XBR48M) | |
| | 1-505-721-11 | BOX TYPE, SPEAKER UNIT (KV-32XBR48/34XBR48C) | |
| | * 1-556-945-21 | CABLE, P-P | |
| | * 1-557-056-31 | CABLE, P-P | |
| | ⚠ 1-751-059-11 | CORD, POWER (WITH CONNECTOR) 10A/125V (except KV-34XBR48C) | |
| | ⚠ 1-769-796-41 | CORD, POWER (WITH CONNECTOR) (KV-34XBR48C) | |
| | 1-900-800-81 | WIRE ASSY, G2 LEAD | |
| | 1-900-800-82 | WIRE ASSY, FOCUS | |
| | ⚠ 8-451-480-11 | DEFLECTION YOKE Y37GXA-X (KV-35XBR48/35XBR88/37XBR48M) | |
| | ⚠ 8-451-482-21 | DEFLECTION YOKE Y34FXA2-X (KV-32XBR48/34XBR48C) | |
| | ⚠ 8-453-007-21 | NA324-M2 | |
| | 8-598-414-00 | ANTENNA SWITCH AS-2F | |
| | ⚠ 8-733-745-05 | PICTURE TUBE 34FXD2(SDP) (XBR) (M80JYV51X) (KV-32XBR48) | |
| | ⚠ 8-733-746-05 | PICTURE TUBE 34FXD2 (SDP) (FOR XBR/10UT) (M80JYV51X) (KV-34XBR48C) | |
| | ⚠ 8-733-760-05 | PICTURE TUBE 37GX (A89LJT80X) (KV-35XBR48/35XBR88/37XBR48M) | |
| | | ********** | |

| REF. NO. | PART NO | DESCRIPTION | REMARK |
|---|---|---|---|
| | | ACCESSORIES AND PACKING MATERIALS ********** | |
| | 3-860-371-21 | MANUAL, INSTRUCTION (except KV-34XBR48C) | |
| | 3-860-371-31 | MANUAL, INSTRUCTION (KV-32XBR48(CND)/35XBR48(CND)) | |
| | 3-860-371-41 | MANUAL, INSTRUCTION (except KV-32XBR48(CND)/35XBR48(CND)) | |
| | * 4-041-423-01 | SHEET, PROTECTION (KV-35XBR88) | |
| | * 4-041-425-01 | BAG, PROTECTION (KV-35XBR88) | |
| | * 4-049-758-11 | BAG, PROTECTION (KV-32XBR48/34XBR48C) | |
| | * 4-053-658-01 | BAG, PROTECTION (KV-35XBR48/37XBR48M) | |
| | * 4-058-409-01 | CUSHION (UPPER) (ASSY) (KV-35XBR48/37XBR48M) | |
| | * 4-058-410-01 | CUSHION (LOWER) (ASSY) (KV-35XBR48/37XBR48M) | |
| | * 4-058-415-01 | INDIVIDUAL CARTON (KV-35XBR48/37XBR48M) | |
| | * 4-058-482-01 | INDIVIDUAL CARTON (KV-32XBR48/34XBR48C) | |
| | * 4-058-483-01 | CUSHION (UPPER)(ASSY) (KV-32XBR48/34XBR48C) | |
| | * 4-058-484-01 | CUSHION (LOWER)(ASSY) (KV-32XBR48/34XBR48C) | |
| | * 4-059-759-01 | CUSHION (UPPER)(ASSY) (KV-35XBR88) | |
| | * 4-059-760-01 | CUSHION (LOWER)(ASSY)(KV-35XBR88) | |
| | * 4-059-765-01 | INDIVIDUAL CARTON (KV-35XBR88) | |
| | * 4-059-766-01 | TRAY (KV-35XBR88) | |
| | * 4-059-767-01 | BOARD, BOTTOM (KV-35XBR88) | |
| | * 4-059-768-01 | BOARD, TOP (KV-35XBR88) | |
| | * 4-059-769-01 | CUSHION (FRONT) (KV-35XBR88) | |
| | * 4-059-770-01 | SHEET, CORRUGATED FIBER BOARD (KV-35XBR88) | |
| | 4-060-839-01 | CARD, CUSTOMER INQUIRY (KV-32XBR48(US)/35XBR48(US)) | |
| | | REMOTE COMMANDER ********** | |
| | 1-475-306-11 | REMOTE COMMANDER (RM-Y144) | |
| | 3-709-129-01 | POCKET, COVER (FOR RM-Y144) | |

**Sony Corporation**
**Display Company**
**Quality Assurance Department**
**Service Promotion Section**

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