Self Diagnosis Supported model

SERVICE MANUAL

AA-2U CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44B-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A

KV-36FV26

RM-Y170

TRINITRON® COLOR TV

SONY®

SPECIFICATIONS

		KV-36FS12 KV-36FS16	KV-36FV16 KV-36FV26
Power requirements		120V, 60Hz	120V, 60Hz
Number of inputs/outputs			
	Video [1]	3	3
	S Video [2]	1	2
	Y,P_B, P_R [3]	1	1
	Audio [4]	4	4
	Audio Out [5]	1	1
	Monitor Out	--	1
	S-Link	--	3
	Control-S (IN/OUT)	--	1
Speaker output(W)		5W x 2	15W x 2
Power Consumption(W)			
	In use(Max)	190W	200W
	In standby	2W	2W
Dimensions(W/H/D)			
	(mm)	910 x 791 x 650	975 x 757 x 633
Mass			
	(kg)	100 kg	107 kg
	(lbs)	220 lbs.	236 lbs.

[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] Y: 1.0 Vp-p, 75 ohms, sync negative; PB: 0.7 Vp-p, 75 ohms;
PR: Vp-p, 75 ohms
[4] 500 mVrms (100% modulation), Impedance: 47 kilohms
[5] More than 408 mVrms at the maximum volume setting (variable)
More than 408 mVrms (fix); Impedance (output): 2 kilohms

Television system
American TV standard, NTSC

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

Picture tube
Trinitron® tube

Visible screen size
36-inch picture measured diagonally

Actual screen size
38-inch measured diagonally

Antenna
75 ohm external terminal for VHF/UHF

Supplied Accessories
RM-Y168 (KV-36FS12 ONLY)
RM-Y169 (KV-36FS16 ONLY)
RM-Y170 (KV-36FV26 ONLY)
RM-Y171 (KV-36FV16 ONLY)
Batteries size AA (R6) (2)
Wireless Stereo Headphones MDR-1F0230 (KV-36FV26 ONLY)
Battery for Headphones size AA (R6) (1) (KV-36FV26 only)

Optional Assessories
AV Cable: VMC-810/820/830 HG
Audio Cable: RKC-515HG
S-LINK Cable: RK-G69HG (KV-36FV16/36FV26 ONLY)
Component Video Cable: VMC-10/30 HG
TV Stand: SU-36FD3

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 pending.

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

BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

TABLE OF CONTENTS

WARNINGS AND CAUTIONS

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 RESQUE 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 A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNEIMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONTIONNEMENT SUSPECTE.

SELF-DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

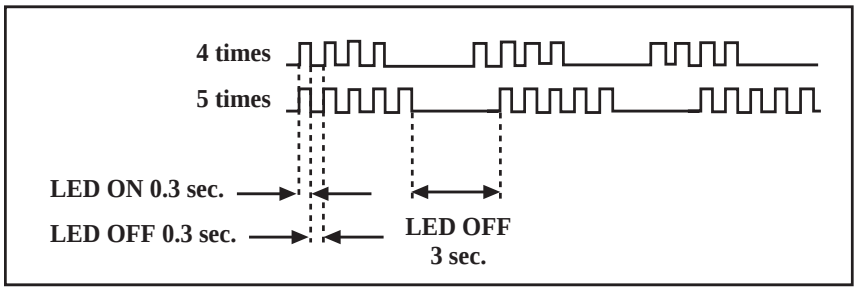
When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.
Results for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

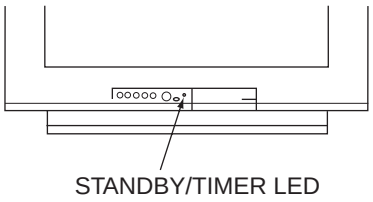
Diagnostic Item Description	No. of Times STANDBY/TIMER LED Flashes	Self-diagnostic Display/ Diagnostic Result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	N/A	• Power cord is not plugged in. • Fuse is burned out. (F601) (A Board)	• Power does not come on. • No power is supplied to the TV. • AC power supply is faulty.
+B overcurrent (OCP)*	N/A	N/A	• H.OUT (Q502) is shorted. (A Board) • IC1701 is shorted. (C Board)	• Power does not come on. • Load on power line is shorted.
+B overvoltage (OVP)*	N/A	N/A	• IC643 or T603 is open. (G Board)	• Power does not come on.
VSTOP*	4 times	4:0 or 4:1	• +13V is not supplied. (A Board) • IC502 is faulty. (A Board)	• Has entered standby state after horizontal raster. • Vertical deflection pulse is stopped. • Power line is shorted or power supply is stopped.
IK	5 times	5:0 or 5:1	• Video OUT (IC502) is faulty. (A Board) • IC1301 is faulty. (MB Board) • Screen (G2) is improperly adjusted.**	• No raster is generated. • CRT cathode current detection reference pulse output is small.

* If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously.
The symptom that is diagnosed first by the microcontroller is displayed on the screen.

** Refer to Screen (G2) Adjustments in Section 3-4 of this manual.

Display of Standby/Timer LED Flash Count





Diagnostic Item	Flash Count*
V-Stop	4 times
IK	5 times

*One flash count is not used for self-diagnostic.

Stopping the Standby/Timer LED Flash

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

Self-Diagnostic Screen Display

For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes out” that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To Bring Up Screen Test

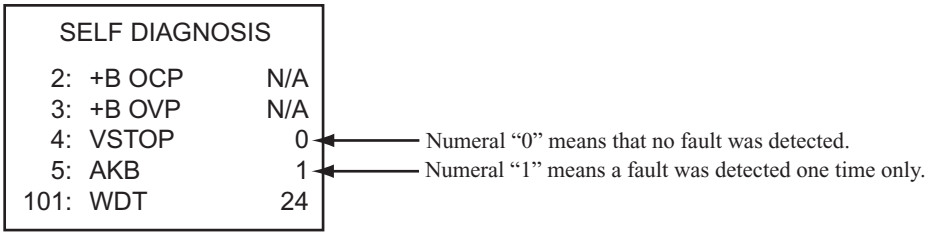
In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:

Display ➡ Channel 5 ➡ Sound volume − ➡ Power ON

⇧

Note that this differs from entering the service mode (sound volume +).

Self-Diagnostic Screen Display



Handling of Self-Diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".
Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

Clearing the Result Display

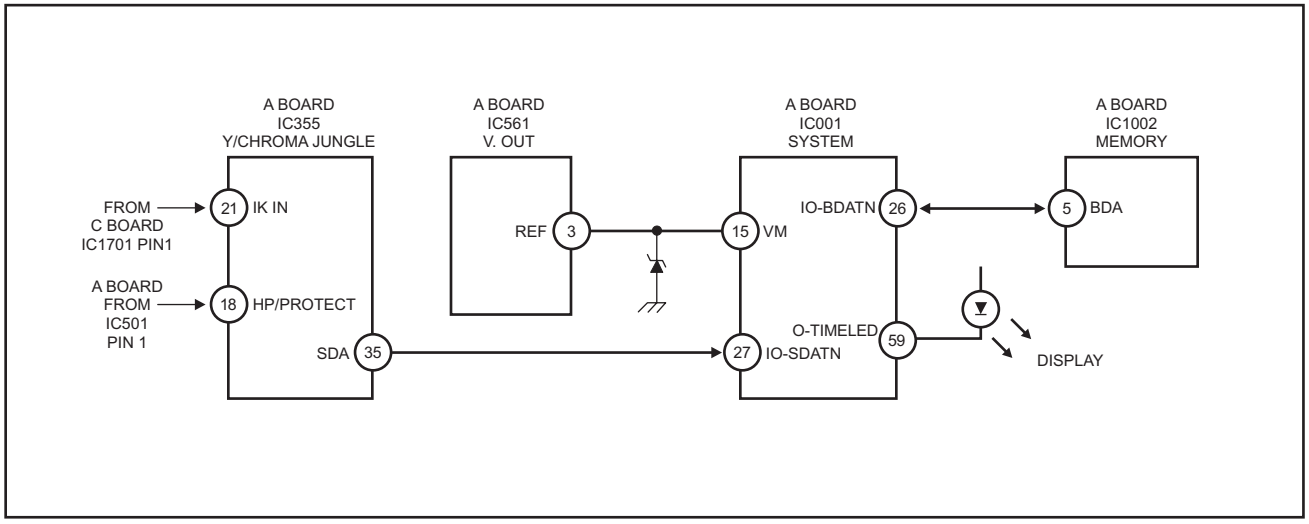
To clear the result display to "0", press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below:

Channel [8] ➡ [ENTER]

Quitting the Self-Diagnostic Screen

To quit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

Self-Diagnostic Circuit



+B overcurrent (OCP) — Occurs when an overcurrent on the +B (135V) line is detected by pin 18 of IC355 (A Board). If the voltage of pin 18 of IC355 (A Board) is less than 1V when V.SYNC is more than seven verticals in a period, the unit will automatically turn off.

+B overvoltage (OVP) — Occurs when the feedback circuit from +B opens IC643 or T603 or any other associated feedback components.

V-Stop — Occurs when an absence of the vertical deflection pulse is detected by pin 15 of IC355 (A Board). Power supply will shut down when waveform interval exceeds 2 seconds.

IK (AKB) — If the RGB levels* do not balance within 2 seconds after the power is turned on, this error will be detected by IC355 (A Board). TV will stay on, but there will be no picture.

*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

NOTE:

Watch Dog Timer — Indicates how many times the Watch Dog Timer functions have been activiated. Whenever micro is reset by the Watch Dog Timer, this number is incremented. Maximum number is 255.

SAFETY CHECK-OUT

After correcting the original service problem, perform 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 touching 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, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend 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 B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, 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 0.5 mA (500 microamperes). 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 instructions.
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 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson’s 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a 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- to 100-watt 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 on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

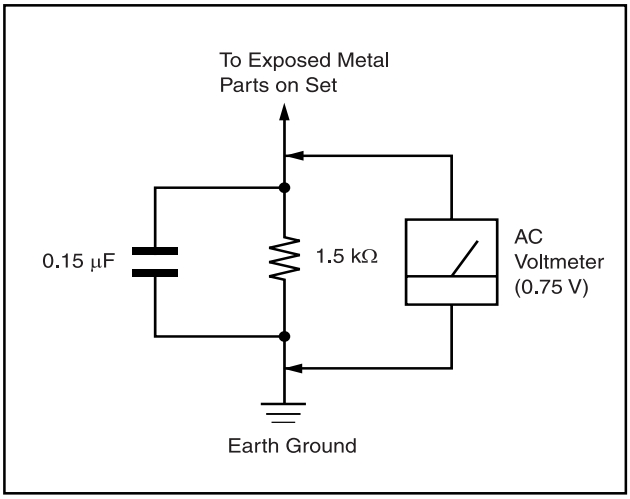


Figure A. Using an AC voltmeter to check AC leakage.

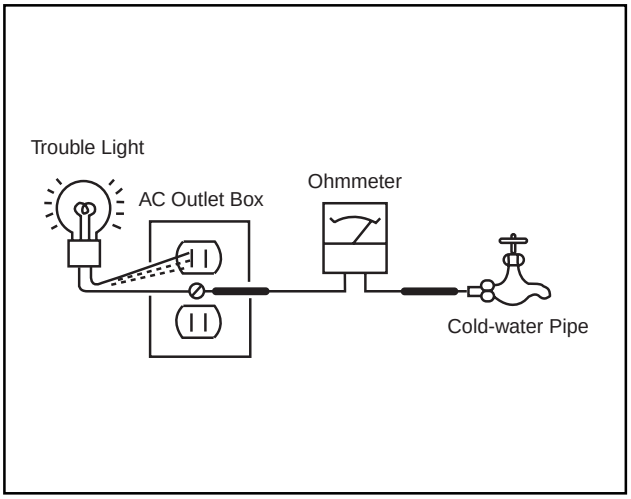


Figure B. Checking for earth ground.

SECTION 1 GENERAL

The instructions mentioned here are partial abstracts from the Operating Instruction Manual.
The page numbers shown reflect those of the Operating Instruction Manual.

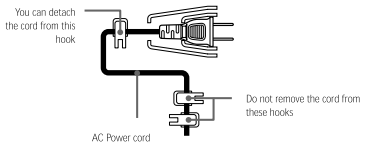
Installing the TV

Overview

This chapter includes illustrated instructions for setting up your TV:

Note About the AC Power Cord

The AC power cord is attached to the rear of the TV with hooks. Use caution when removing the AC plug from its holder. Gently slide the cord in the upward direction, without removing the cord from the two lower hooks.

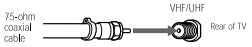


Connecting a Cable or Antenna

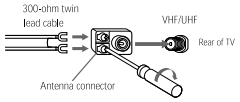
Connecting Directly to Cable or an Antenna

The connection you choose depends on the cable found in your home. Newer homes are equipped with standard coaxial cable (see); older homes probably have 300-ohm twin lead cable (see); still other homes may contain both (see).

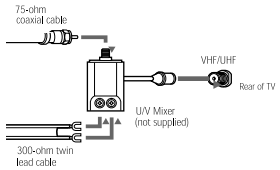
VHF Only or VHF/UHF or Cable



VHF Only or UHF Only or VHF/UHF



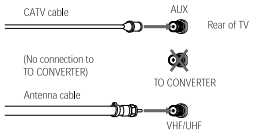
VHF and UHF



Cable and Antenna

If your cable provider does not feature local channels, you may find this set up convenient.

This connection applies to all models except KV-36FS12.



Select CABLE or antenna (ANT) mode by pressing ANT on the remote control.

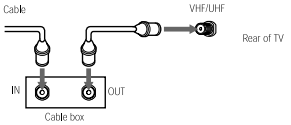
In order to receive channels with an antenna, you need to turn your Cable to OFF and perform the Auto Program function (see page 29).

Cable Box Connections

Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

Cable Box

1. Connect the coaxial connector from your cable service to the cable box's IN jack.
2. Using a coaxial cable, connect the cable box's OUT jack to the TV's VHF/UHF jack.

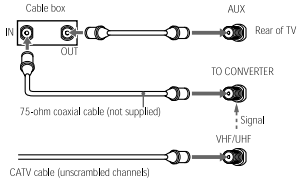


If you will be controlling all channel selection through your cable box, you should consider using the Channel Fix feature (see page 29).

Cable Box and Cable

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on the remote control.

This connection applies to all models except KV-36FS12.



Your Sony remote control can be programmed to operate your cable box (see "Programming the Remote Control" on page 42).

When using Favorite Channel or PIP, you cannot view the AUX input in the window picture.

■ Pressing ANT switches between these inputs.

If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the Channel Fix feature (see page 29).

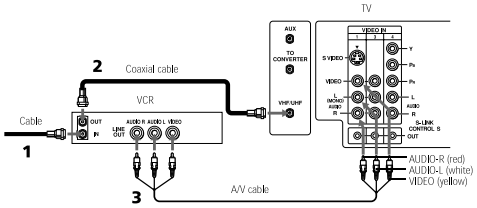
Connecting a VCR and Cable

1 Connect the cable TV cable to the VCR's IN jack.

2 Using a coaxial cable, connect the VCR's OUT jack to the TV's VHF/UHF jack.

3 Using an A/V cable, connect the VCR's A/V OUT jacks to the TV's A/V IN jacks.

If your VCR has an S VIDEO jack: For best picture quality, use an S VIDEO connection instead of the yellow video cable on your combined A/V cable. Using an S VIDEO cable, connect the VCR's S VIDEO OUT jack to the TV's S VIDEO IN jack. S VIDEO does not provide audio, so audio cables must still be connected to provide sound.



Connecting a VCR and Cable Box

This connection applies to all models except KV-36FS12.

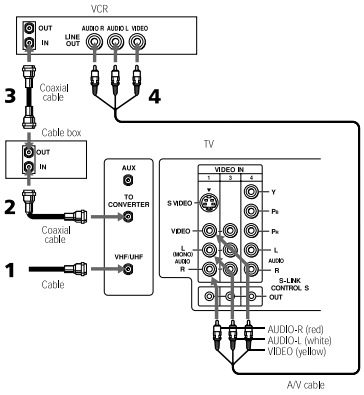
1 Connect your incoming cable connection to the TV's VHF/UHF jack.

2 Using a coaxial cable, connect the cable box's IN jack to the TV's TO CONVERTER jack.

3 Using a coaxial cable, connect the cable box's OUT jack to the VCR's VHF/UHF IN jack.

4 Using an A/V cable, connect the VCR's A/V OUT jacks to the TV's A/V IN jacks.

If your VCR has an S VIDEO jack: For best picture quality, use an S VIDEO connection instead of the yellow video cable on your combined A/V cable. Using an S VIDEO cable, connect the VCR's S VIDEO OUT jack to the TV's S VIDEO IN jack. S VIDEO does not provide audio, so audio cables must still be connected to provide sound.



Connecting Two VCRs for Tape Editing

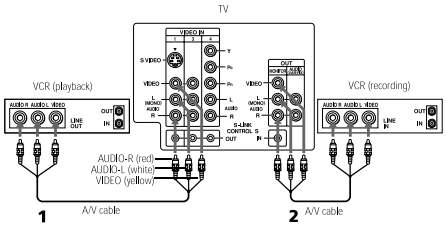
This connection applies to all models except KV-36FS12 and 36FS16.

If you connect two VCRs, you can use the TV's MONITOR OUT feature to perform tape-to-tape editing. In the connection shown below, the TV functions as a monitor and sends the program being played by the playback VCR to the recording VCR.

1 Connect the VCR intended for playback using the connection instructions on page 10 of this manual.

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

You cannot record signals from equipment connected to the Y, PB, PR input.



To perform tape editing, set the TV to the video input intended for playback by pressing the TV/VIDEO button on the remote control.

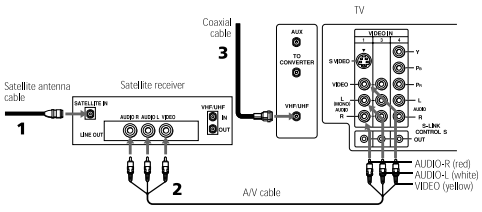
Connecting a Satellite Receiver

1 Connect the satellite antenna cable to the satellite receiver's SATELLITE IN jack.

2 Using an A/V cable, connect the satellite receiver's A/V OUT jacks to the TV's A/V IN jacks.

3 Connect a coaxial cable from your cable or antenna to TV's VHF/UHF jack.

If your satellite receiver has an S VIDEO jack: For best picture quality, use an S VIDEO connection instead of the yellow video cable on your combined A/V cable. Using an S VIDEO cable, connect the satellite receiver's VIDEO OUT jack to the TV's S VIDEO IN jack. S VIDEO does not provide audio, so audio cables must still be connected to provide sound.



Connecting a Satellite Receiver with a VCR

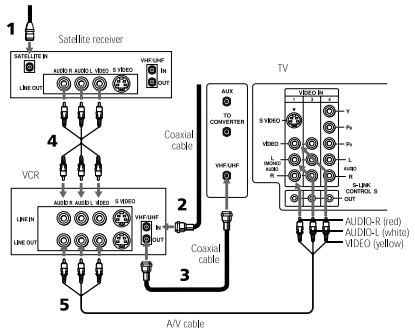
1 Connect the satellite antenna cable to the satellite receiver's SATELLITE IN jack.

2 Connect the CATV cable to the VCR's VHF/UHF IN jack.

3 Using a coaxial cable, connect the VCR's OUT jack to the TV's VHF/UHF jack.

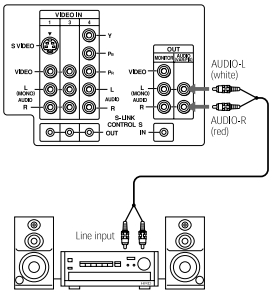
4 Using an A/V cable, connect the satellite receiver's A/V OUT jacks to the VCR's A/V IN jacks.

5 Using an A/V cable, connect the VCR's A/V OUT jacks to the TV's A/V IN jacks.



Connecting an Audio Receiver

1 Using audio cables, connect the TV's AUDIO OUT jacks to the audio receiver's audio LINE IN jacks.



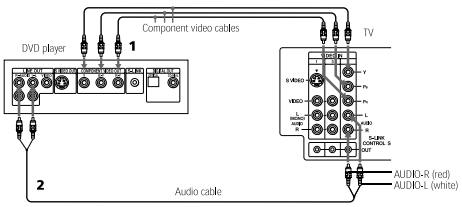
Connecting a DVD Player with Component Video Connectors

1 Using three separate component video cables, connect the DVD player's Y, P_B, and P_R jacks to the Y, P_B, and P_R jacks on the TV.

The Y, P_B, and P_R jacks on your DVD player are sometimes labeled Y, C_B, and C_R, or Y, B-Y, and R-Y. If so, connect the cables to like colors.

The Y, P_B, and P_R jacks do not provide audio, so audio cables must be connected to provide sound.

2 Using an audio cable, connect the DVD player's audio OUT jacks to the TV's audio IN jacks.

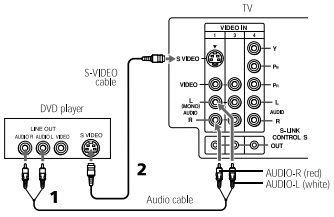


Connecting a DVD Player with A/V Connectors

If your DVD player has video component output connectors: for best picture quality use the connection described on page 15.

1 Using audio cables, connect the DVD player's audio OUT jacks to the TV's audio IN jacks.

2 Using an S-VIDEO cable, connect the DVD player's S-VIDEO jack to the TV's S-VIDEO jack.

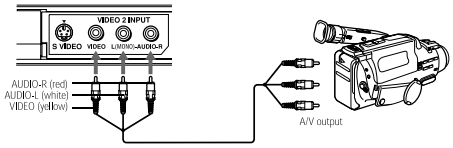


Connecting a Camcorder

1 Using A/V cables, connect the camcorder's A/V OUT jacks to the TV's A/V IN jacks.

If you have a mono camcorder, connect its left audio output to the TV's AUDIO L jack.

For easy connection of the camcorder, the TV has front A/V inputs (shown below). However, if you prefer, you can also connect the camcorder to the TV's rear A/V IN jacks.

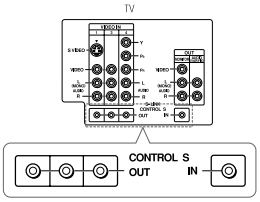


Using the CONTROL S Feature

This CONTROL S feature applies to all models except KV-36FS12 and 36FS16.

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

To control your other Sony equipment with your TV's remote control, use a CONTROL S cable (not supplied) to connect the equipment's CONTROL S IN jack to the TV's CONTROL S OUT jack.



Setting Up the TV Automatically

After you finish connecting your TV, you need to run Auto Setup to set up your channels.

The Auto Setup feature does not apply for installations that use a cable box for all channel selection.

Using Auto Setup

1 Press POWER to turn on the TV.

The first time you turn on the TV, the Auto Setup screen appears.

2 Press CH+ to run Auto Setup or press CH– to exit.

You can run Auto Program again by selecting it in the Channel menu, as described on page 29.

To reset your TV to factory settings, 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.

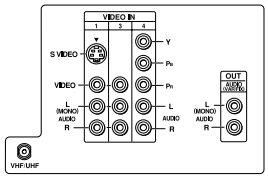
TV Controls and Connectors

Front Panel Menu Controls

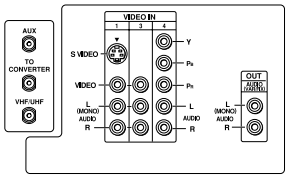
The front panel menu controls allow access to the on-screen menus without the use of a remote control. Pressing the MENU button brings up the on-screen menus. The arrow buttons ( ) move the on-screen cursor in the menus and the (+) button selects the menu item.

TV Rear Panel

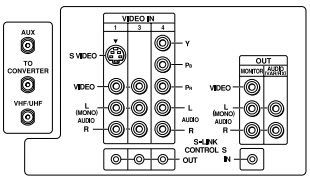
Model KV-36FS12



Model KV-36FS16



Models KV-32FV16, 32FV26, 36FV16 and 36FV26



Back Panel Descriptions

Connection	*Description*
AUX (except KV-36FS12)	Allows you to view local (terrestrial) and cable channels if your cable provider does not feature local channels. You can switch between local and cable channels easily by pressing ANT on the remote control.
TO CONVERTER (except KV-36FS12)	Lets you set up your TV to switch between scrambled channels (through a cable box), and normal cable channels (CATV).
VHF/UHF	Connects to your VHF/UHF antenna or cable.
S VIDEO	Connects to the S VIDEO OUT jack of your VCR or other S VIDEO equipped video component.
MONITOR OUT (except models KV-36FS12 and 36FS16)	Lets you record the program you're watching to a VCR. When two VCRs are connected, (see page 11), you can use your TV as a monitor for tape to tape editing.
AUDIO (L/R)/VIDEO	Connects to the audio and video OUT jacks on your VCR or other video component. A third video input (VIDEO 2) is located on the front panel of the TV.
AUDIO OUT (VAR/FIX) L (MONO)/R	Connects to the right and left audio inputs of your audio or video component.
S-LINK CONTROL-S IN/OUT (except models KV-36FS12 and 36FS16)	Allows the TV to receive (IN) and send (OUT) remote control signals to other Sony infrared-controlled audio or video components.
Y, PB, PR, L, R	Connects to your DVD player's component video (Y, PB, PR) and audio (L, R) jacks.

Troubleshooting

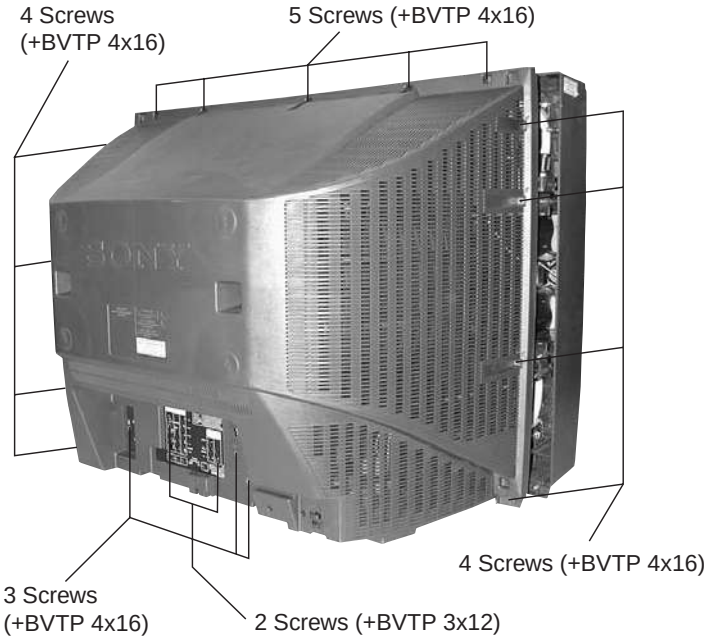
Problem	Possible Remedies
No picture (screen not lit), no sound	If your TV does not turn on, and a red light keeps flashing, your TV may need service. Call your local Sony Service Center. Make sure the power cord is plugged in. Push the power button on the front of the TV. Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching connected equipment, set to VIDEO 1, 2, 3, or 4. Try another channel. It could be station trouble.
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 orientation of the batteries.
Dark, poor or no picture (screen lit), good sound	Adjust the Picture setting in the Video menu (see page 26). Adjust the Brightness setting in the Video menu (see page 26). Check antenna/cable connections.
Good picture, no sound	Press MUTING so that "MUTING" disappears from the screen (see page 40). Make sure Speaker is set to ON in the Audio menu (see page 27).
Cannot receive upper channels (UHF) when using an antenna	Change Cable to OFF (see page 29). Use Auto Program in the Channel menu to add receivable channels that are not presently in TV memory (see page 29).
No color	Adjust the Color settings in the Video menu (see page 26).
Only snow and noise appear on the screen	Check the antenna/cable connections. Make sure the channel is broadcasting programs. Press ANT to change the input mode (see page 40).
Dotted lines or stripes	Adjust the antenna. Move the TV away from noise sources such as cars, neon signs, or hair-dryers.
TV is fixed to one channel	Use Auto Program in the Channel menu to add receivable channels that are not presently in TV memory (see page 29). Check your Channel Fix settings (see page 29).
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.
Cannot receive any channels when using cable TV	Use Auto Program in the Channel menu to add receivable channels that are not presently in TV memory (see page 29). Check your cable settings. Make sure Cable is set to ON in the Channel menu (see page 29).

Problem	Possible Remedies
Cannot gain enough volume when using a cable box	Increase the volume of the cable box using the cable box's remote control. Then press TV (FUNCTION) and adjust the TV's volume.
Cannot receive channels	Use Auto Program in the Channel menu to add receivable TV channels that are not presently in TV memory (see page 29).
Unable to select a channel	Use Auto Program in the Channel menu to add receivable TV channels that are not presently in TV memory (see page 29).
Lost password	In the password screen (see page 30), enter the following master password: 4357. The master password clears your previous password; it cannot be used to temporarily unblock channels.

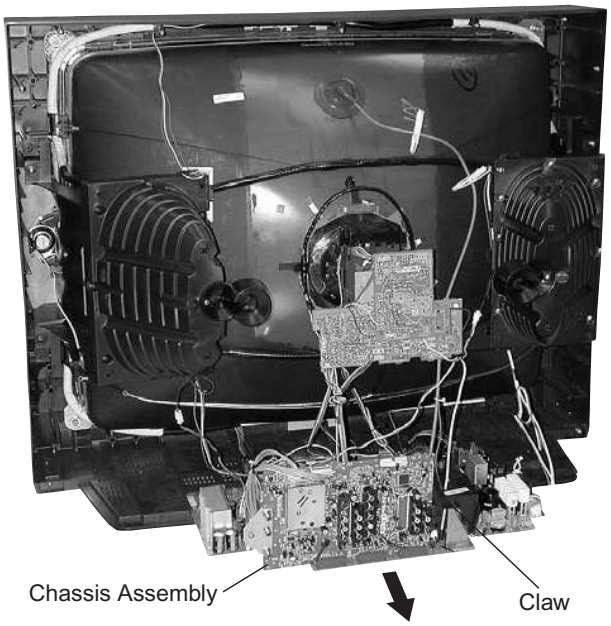
If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669) (U.S. residents only) or (416) 499-SONY (7669) (Canadian residents only).

SECTION 2
DISASSEMBLY

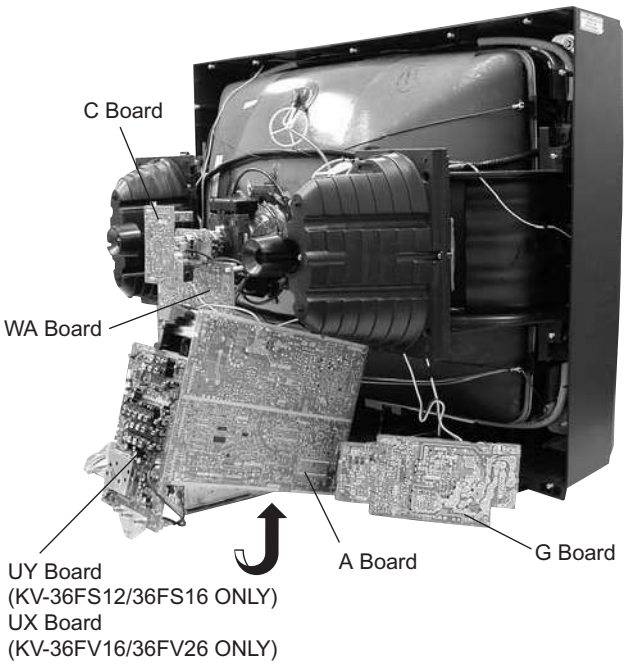
2-1. REAR COVER REMOVAL



2-2. CHASSIS ASSEMBLY REMOVAL



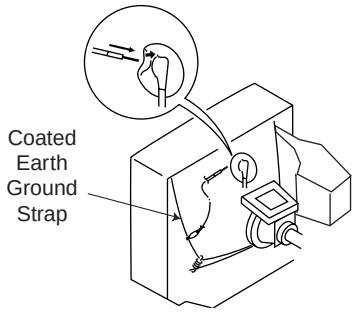
2-3. SERVICE POSITION

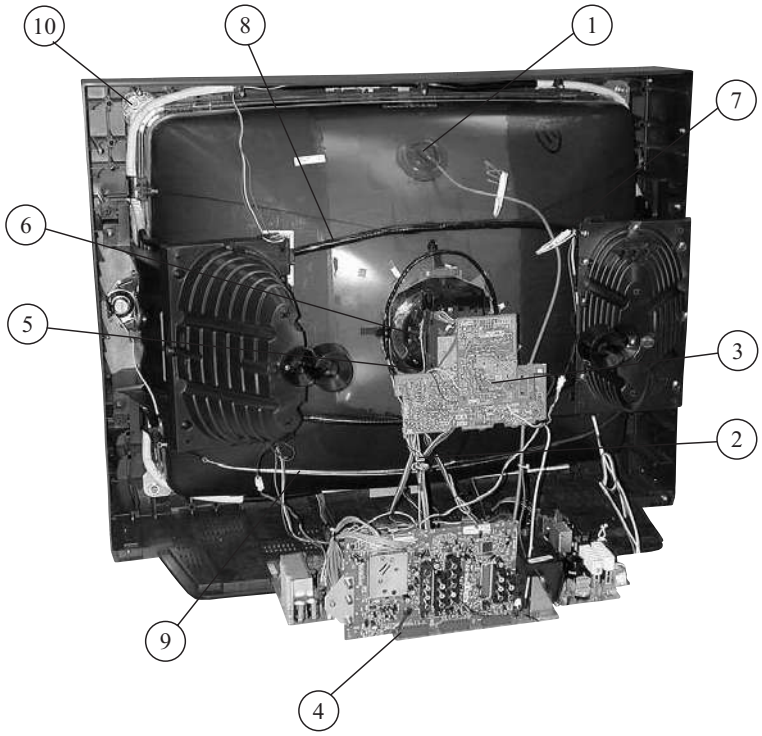


2-4. PICTURE TUBE REMOVAL

WARNING:
BEFORE REMOVING
THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT ***before*** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.





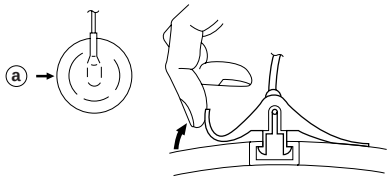
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the deflection yoke, neck assembly, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the neck assembly fixing screw and remove.
6. Loosen the deflection yoke fixing screw and remove.
7. Place the set with the CRT face down on a cushion and remove the degaussing coil holders.
8. Remove the degaussing coils.
9. Remove the CRT grounding strap and spring tension devices.
10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT [Take care not to handle the CRT by the neck].

ANODE CAP REMOVAL

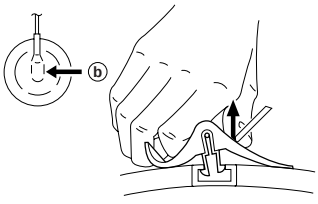
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electrical shock, discharge the CRT **before** attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield, or carbon painted on the CRT.

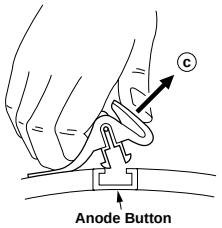
REMOVAL PROCEDURES



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



② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ⓑ.



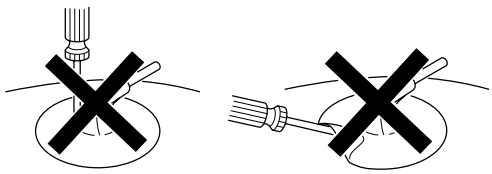
③ When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow ⓒ.

HOW TO HANDLE AN ANODE CAP

① Do not use sharp objects which may cause damage to the surface of the anode cap.

② To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.

③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



SECTION 3
SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

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

PICTURE control ..... normal

BRIGHTNESS control ..... normal

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2)/White Balance

Note: Test Equipment Required:

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital Multimeter
5. Oscilloscope
6. CRT Analyzer

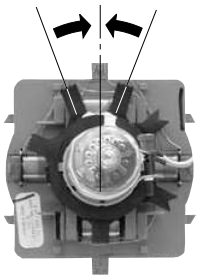
3-1. BEAM LANDING

Preparation:

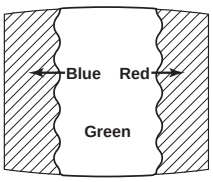
- Input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.

  NOTE: Do not use the hand degausser because it magnetizes the CRT .

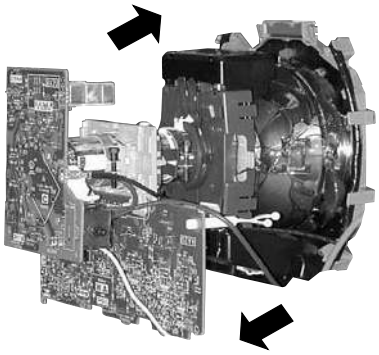
1. Input white pattern from pattern generator.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



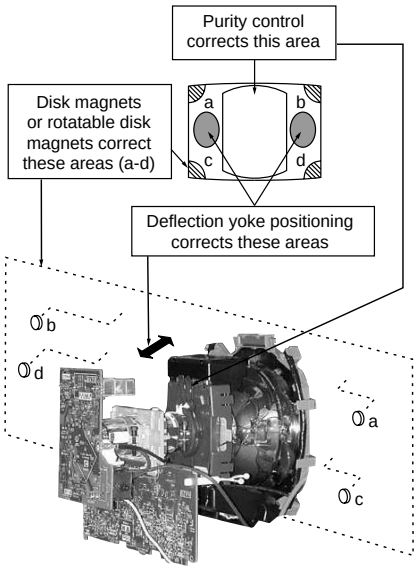
3. Input green pattern from pattern generator.
4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



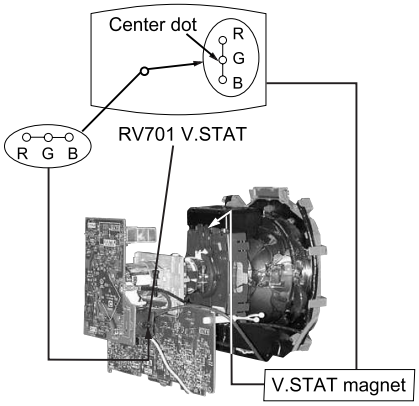
6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. When landing at the corner is not right, adjust by using the disk magnets.



3-2. CONVERGENCE

Preparation:

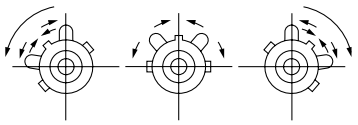
- Perform FOCUS, V. LIN and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Input dot pattern.



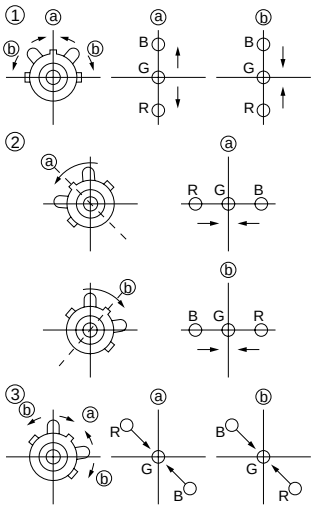
Vertical and Horizontal Static Convergence

1. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen (Vertical movement).

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



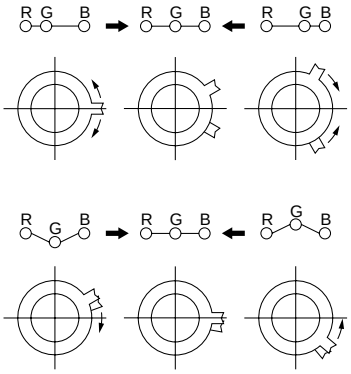
2. When the V. STAT magnet is moved in the direction of arrow a and b, red, green, and blue dots move as shown below:



Operation of BMC (Hexapole) Magnet

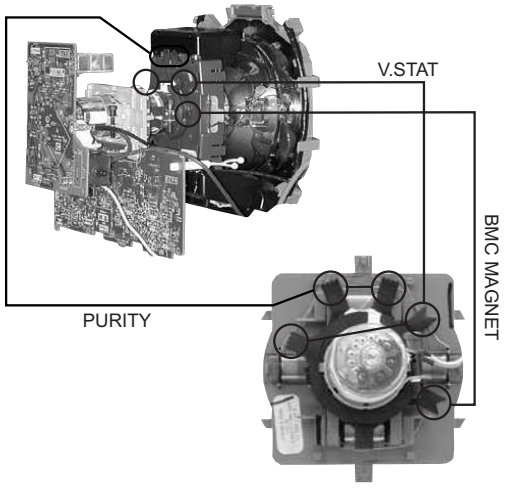
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

1 Use the V.STAT tabs to adjust the red, green, and blue dots so they line up at the center of the screen (move the dots in a horizontal direction).



Y Separation Axis Correction Magnet Adjustment

1. Input cross-hatch pattern, adjust PICTURE to minimum and BRIGHTNESS to normal.
2. Adjust the deflection yoke upright so it touches the CRT.
3. Adjust so that the Y separation axis correction magnet on the neck assembly is symmetrical from top to bottom (open state).

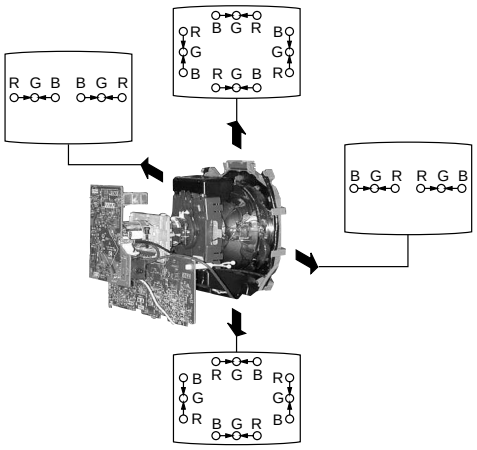


4. Return the deflection yoke to its original position.

Dynamic Convergence Adjustment

Before starting, perform Vertical and Horizontal Static Convergence Adjustment.

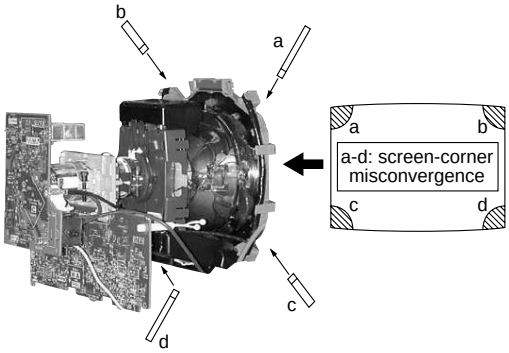
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below:



4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

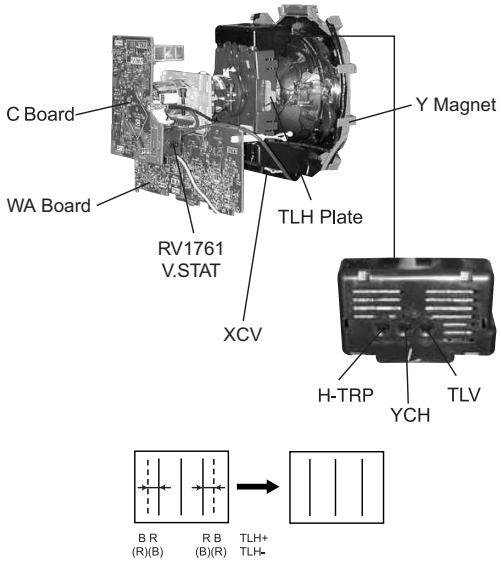
Screen-corner Convergence

1. Affix a permalloy assembly corresponding to the misconverged areas:



TLH Plate Adjustment

- Input crosshatch pattern.
- Adjust PICTURE QUALITY to standard, PICTURE and BRIGHTNESS to 50%, and OTHER to standard.
- Adjust the Horizontal Convergence of red and blue dots by tilting the TLH plate on the deflection yoke.



1. Adjust XCV core to balance X axis.
2. Adjust YCH VR to balance Y axis.
3. Adjust vertical red and blue convergence with V.TILT (TLV VR.)

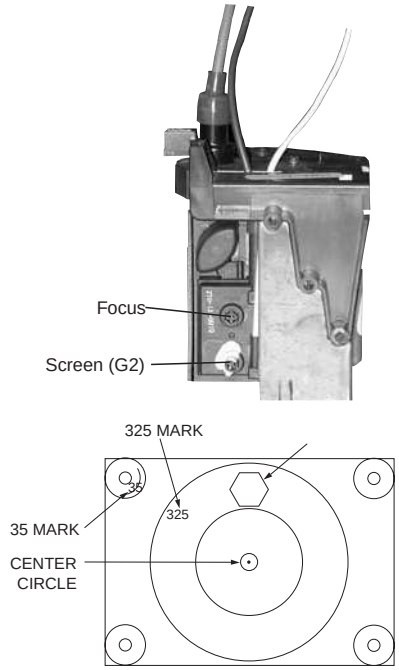
Perform adjustments while tracking items 1 and 2.

4. Adjust Y MAGNET to correct V.BOW Geometery Distortion.
5. Adjust H-TRP to correct H.Trapezoid Geometry Distortion.

After adjusting items 4 and 5, confirm overall geometry again.

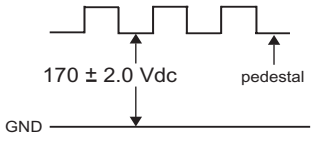
3-3. FOCUS

1. Input monoscope signal.
2. Set user controls to normal.
3. Set video mode to STANDARD.
4. Set the PICTURE to maximum.
5. Adjust at 325 Mark for best center/corner focus balance.
6. Receive an entire white signal. Make sure Magenta Ring is at an acceptable level.



3-4. SCREEN (G2)

1. Input dot pattern from the pattern generator.
2. Set the user controls to NORMAL.
3. Attach the G2-Jig to the C Board.
5. Adjust RCUT, GCUT, BCUT, and SBRT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are 170 ± 2.0Vdc.
5. Observe the screen and adjust SCREEN (G2) VR to obtain the faintly visible background of dot signal.
6. Push the TEST + JUMP (+ Channel) to cut off the signal. The screen should be bright or dark. Brightness of raster must be increased when adjusting.
7. Adjust screen VR until the screen is slightly cut off, or scarcely lights up. A signal cannot be seen when the brightness of the raster is high.
8. Push the JUMP again to release the cut off.



3-5. WHITE BALANCE ADJUSTMENTS

NO.	Disp.	Item	All Models
24	RDRV	Red Drive	*
25	GDRV	Green Drive	46
26	BDRV	Blue Drive	37
27	RCUT	Red Cut-off	14:Fix
28	GCUT	Green Cut-off	10
29	BCUT	Blue Cut-off	8
38	SBRT	Sub Bright	8

1. Set program palette to STANDARD and pust RESET.
2. Input an entire white signal.
3. Set to Service Adjustment Mode.
4. Set the PICTURE and BRIGHT to minimum.
5. Adjust with SBRT if necessary.
6. Set RCUT to "14".
7. Select GCUT and BCUT with 1 and 4 .
8. Adjust with 3 and 6 for the best white balance.
9. Set the PICTURE and BRIGHT to maximum.
10. Select GDRV and BDRV with 1 and 4 .
11. Adjust with 3 and 6 for the best white balance.
12. Write into the memory by pressing MUTING then ENTER.
13. Repeat steps 1-12 for GDR4, BDR4, GCU4 and BCU4 using Video 4 input.

* Use values from Sub Contrast Adjustments

NOTE:

White balance should be adjusted after Sub Contrast because RDRV is also used in Sub Contrast Adjustment. (See page 27).

SECTION 4
SAFETY RELATED ADJUSTMENTS

4-1. ⋈ R530, R531 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

Always perform the following adjustments when replacing the following components marked with a ◪ mark on the schematic diagram:

Part Replaced (◪)	Adjustment (⋈)
R387, R550, R529, R530, R531, R532, R533, D519, D520, D521, IC501, C531, C532, T503, IC351, IC355, Q301, R356, R359, R361, D302 ..... A Board IC643, R661 ..... G Board	HV HOLD-DOWN R530, R531

Preparation before Confirmation

1. Using a Variac, apply AC input voltage: 130+2.0/-0.0 VAC.
2. Turn the POWER switch ON.
3. Input a white signal and set the PICTURE and BRIGHT controls to maximum.
4. Confirm that the voltage of more than 23.0 VDC appears between TP85 and ground on the A Board.

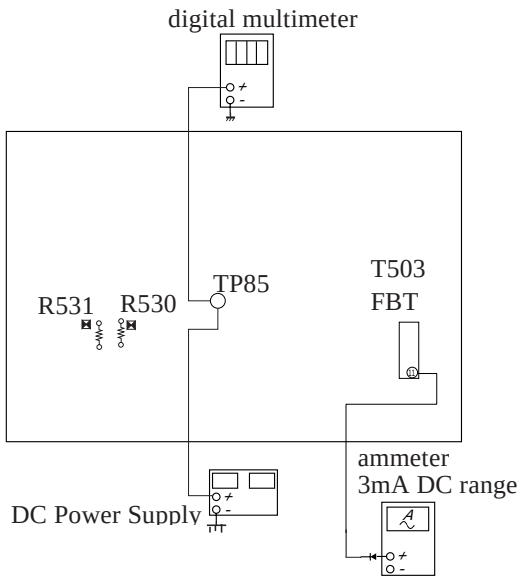
Hold-Down Operation Confirmation

1. Connect the current meter between Pin 11 of the FBT (T503) and the PWB land where Pin 11 would normally attach (See Figure 1 above).
2. Input a dot signal and set PICTURE and BRIGHTNESS to minimum: IABL = 2175 + 100/ -325 µA.
3. Confirm the voltage of A Board TP91 is 135 ± 1.5 VDC.
4. Connect the digital voltmeter and the DC power supply to TP85 and ground. (See Figure 1 above).
5. Increase the DC power voltage gradually until the picture blanks out.
6. Turn DC power source off immediately.
7. Read the digital voltmeter indication (standard = 27.24 + 0.0/ - 0.1 VDC).
8. Input a white signal and set PICTURE and BRIGHTNESS to maximum: IABL = 2175 + 100/ -325 µA.
9. Repeat steps 4 to 7.

Hold-Down Readjustment

If the setting indicated in Step 2 of Hold-Down Operation Confirmation cannot be met, readjustment should be performed by altering the resistance value of R530, R531 component marked with ⋈ .

Figure 1



4-2. B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Note: The following adjustments should always be performed when replacing the following components, which are marked with ◪ on the schematic diagram on the G Board.

G BOARD: IC643, R661

1. Using a Variac, apply AC input voltage: 130 + 2.0/-0.0 VAC
2. Input a monoscope signal.
3. Set the PICTURE control and the BRIGHT control to initial reset value.
4. Confirm the voltage of G Board CN641 between pin ① to ground is less than 136.5 VDC.
5. If step 4 is not satisfied, replace the R661and repeat the above steps.

SECTION 5
CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

Use the Remote Commander (RM-Y168, RM-Y169, RM-Y170, RM-Y171) to perform the circuit adjustments in this section.

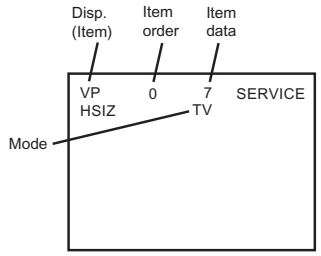
NOTE: Test Equipment Required:

- Pattern generator
- Frequency counter
- Digital multimeter
- Audio oscillator

5-1. SETTING THE SERVICE ADJUSTMENT MODE

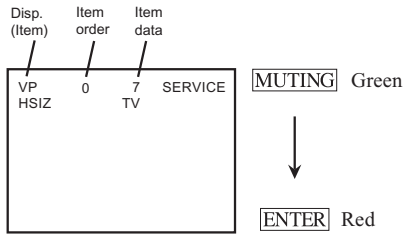
1. Standby mode (Power off).
2. Press [Display] ➡ Channel [5] ➡ Sound volume [+] ➡ Power on the Remote Commander (Press each button within a second).

Service Adjustment Mode In

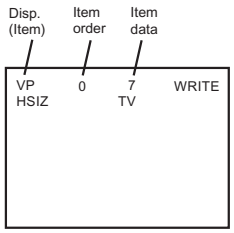


3. The CRT displays the item being adjusted.
4. Press [1] or [4] on the Remote Commander to select the item.
5. Press [3] or [6] on the Remote Commander to change the data.
6. Press [MUTING] then [ENTER] to write into memory.

Service Adjustment Mode Memory



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



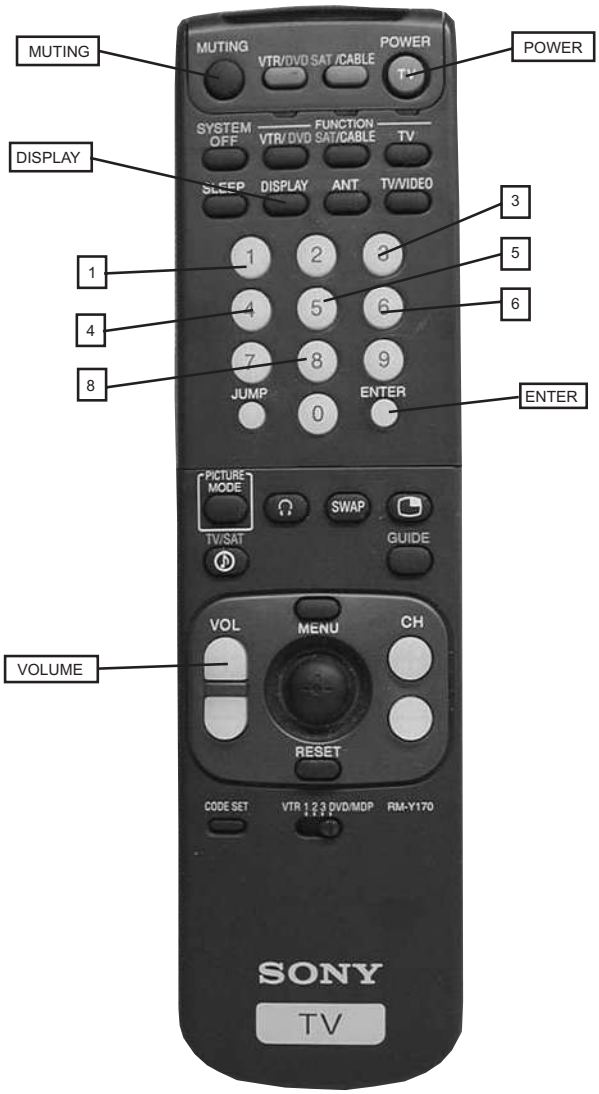
Carry out step 7 when adjusting IDs 0 to 7 and when replacing and adjusting IC002.

8. DO NOT turn off set until SERVICE appears.

5-2. MEMORY WRITE CONFIRMATION METHOD

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

5-3. ADJUST BUTTONS AND INDICATOR



RM-Y170

5-4. ADJUSTMENT ITEMS

	Register Name		Description	Data Range	Adj/Fix	Initial Data	36" Average Data			Comments
							FS	FV16	FV26	
0	HPOS	VP CXA2131AS	H-Position	0-63	*Adj*	7		9		0: 2ms delay, 63: 2ms advance
1	HSIZ		H-Size	0-63	*Adj*	10		15		EW DC bias, 0: -0.5V, 31: 0V, 63: +0.5V
2	VBOW		AFC Bow	0-15	*Adj*	6		7		0: top/bottom delay 900ns, 7: center, 15: top/bottom advance 900ns
3	VANG		AFC Angle	0-15	*Adj*	5		5		0: top delay/bottom advance 650ns, 7: center, 15: top advance/bottom delay 650ns
4	TRAP		Trapezium Adjustment	0-15	*Adj*	6		8		0: 1.5ms advance, 15: 1.5ms delay
5	PAMP		Pin Compensation	0-63	*Adj*	32		30		0: 0.15Vpp, 31: 0.7Vpp, 63: 1.3Vpp
6	UCPN		Upper Corner Pin	0-63	*Adj*	36		35		0: -0.4V, 63: +0.4V
7	LCPN		Lower Corner Pin	0-63	*Adj*	36		35		0: -0.4V, 63: +0.4V
8	VSIZ		V-Size	0-63	*Adj*	0		7		0: -15%, 31: 0%, 63: +15%
9	VPOS		V-Position	0-63	*Adj*	31		39		0: -0.1V, 31: 0V, 63: +0.1V
10	VLIN		V-Linearity	0-15	*Adj*	7		6		0: 85% top enlarged, 7: 100% top normal, 15: 115% top compressed
11	VSCO		S-Correction	0-15	*Adj*	7		9		0: 0V added to VD, 15: 100mVpp added to VD
12	VZOM		16:9 CRT Zoom Mode On/Off	0,1	FIX	0		0		0: Zoom Off, 1: Zoom On (top/bottom cut by 25% when ASPECT=31, RGB blanked in this interval)
13	EHT		Vertical Size High Voltage Correction	0-15	FIX	4		4		0: Picture adjusted 0%, 15: Picture Adjusted -5%
14	ASP		Aspect Ration Control 4:3 Mode	0-63	FIX	47		47		0: 75%(16x9 CRT Full), 31: 100%(4x3 CRT Full), 63: 110%
15	ASP1		Aspect Ration Control 16:9 Mode	0-63	FIX	47		47		0: 75%(16x9 CRT Full), 31: 100%(4x3 CRT Full), 63: 110%
16	SCRL		16:9 Vertical Scroll During Zoom	0-63	FIX	31		31		0: Scrolled toward top 32H, 63: Scrolled toward bottom 32H
17	HBSW		H Blanking Switch	0,1	FIX	1		1		0: OFF, 1: ON
18	LBLK		Left Blanking	0-15	FIX	15		15		0: +1.2ms, 7: Center, 15: -1.2ms
19	RBLK		Right Blanking	0-15	FIX	0		0		0: +1.2ms, 7: Center, 15: -1.2ms
20	HDW		H Drive Pulse Width	0,1	FIX	1		1		0: Normal Mode (25ms), 1: Narrow Pulse Width
21	EWDC		EW/DC Display 4x3 on 16x9 CRT	0,1	FIX	0		0		0: OFF, 1: ON
22	LVLN		Picture Bottom Lin Adjust	0-15	*Adj*	0		0		0: 100%, 15: 85% Picture top compressed
23	UVLN		Picture Top Lin Adjust	0-15	*Adj*	0		0		0: 100%, 15: 85% Picture bottom compressed
24	RDRV		Red Drive	0-63	*Adj*	31		54		0: 1.5Vpp, 63: 3.0Vpp Red Signal Output
25	GDRV		Green Drive	0-63	*Adj*	31		46		0: 1.5Vpp, 63: 3.0Vpp Greem Signal Output
26	BDRV		Blue Drive	0-63	*Adj*	31		37		0: 1.5Vpp, 63: 3.0Vpp Blue Signal Output
27	RCUT		Red Cutoff	0-15	FIX	7		14		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
28	GCUT		Green Cutoff	0-15	*Adj*	7		10		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
29	BCUT		Blue Cutoff	0-15	*Adj*	7		8		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
30	RDR4		Video 4 Red Drive	0-63	*Adj*	31		44		0: 1.5Vpp, 63: 3.0Vpp Red Signal Output
31	GDR4		Video 4 Green Drive	0-63	*Adj*	31		36		0: 1.5Vpp, 63: 3.0Vpp Greem Signal Output
32	BDR4		Video 4 Blue Drive	0-63	*Adj*	31		29		0: 1.5Vpp, 63: 3.0Vpp Blue Signal Output
33	RCU4		Video 4 Red Cutoff	0-15	FIX	7		14		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
34	GCU4		Video 4 Green Cutoff	0-15	*Adj*	7		14		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
35	BCU4		Video 4 Blue Cutoff	0-15	*Adj*	7		10		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
36	SBRT		Sub Brightness	0-31	*Adj*	15		8		Sub Brightness
37	RON		Red Off	0,1	FIX	1		1		0:OFF, 1:ON
38	GON		Green Off	0,1	FIX	1		1		0:OFF, 1:ON
39	BON		Blue Off	0,1	FIX	1		1		0:OFF, 1:ON
40	AXPL		Axis PAL	0,1	FIX	0		0		0: Normal Axis, 1: Forced PAL Asix
41	CBPF		Chroma BPF On/Off	0,1	FIX	1		1		0: BPF OFF, 1: BPF ON
42	COFF		Color On/Off	0,1	FIX	0		0		0: Chroma OFF, 1: Chroma ON
43	TSSP		Sub Sharpness for TV Input	0-15	Fix by model	6	5	6		0=-12dB, 7=+3.5dB, 15=+9dB
44	TSPF		Sharpness fo for TV Input	0,1	FIX	1		1		0=2.5MHZ, 1=3.0MHz
45	VSSP		Sub Sharpness for Video Input	0-15	Fix by model	7	6	7		0=-12dB, 7=+3.5dB, 15=+9dB
46	VSPF		Sharpness fo for Video Input	0,1	FIX	1		1		0=2.5MHZ, 1=3.0MHz
47	YSSP		Sub Sharpness for YUV Input	0-15	Fix by model	7	6	7		0=-12dB, 7=+3.5dB, 15=+9dB

ADJUSTMENT ITEMS (cont.)

	Register Name		Description	Data Range	Adj/Fix	Initial Data	36" Average Data			Comments
							FS	FV16	FV26	
48	YSPF	VP CXA2131AS	Sharpness fo for YUV Input	0,1	FIX	1		1		0=2.5MHZ, 1=3.0MHz
49	AXNT		Axis NTSC	0,1	FIX	0		0		0: Japan Axis, 1: US Axis
50	PREL		Pre/Overshoot Ratio	0,1	FIX	1		1		0: 1:1, 1: 2:1
51	DCT		DC Transmission Ratio	0,1	FIX	1		1		0:100%, 1:85%
52	ABLM		ABL Mode	0,1	FIX	1		1		0:Picture ABL, 1:Picture/Brightness ABL
53	FSC		FSC Output On/Off	0,1	FIX	1		1		0: FSC output OFF, 1: FSC output ON
54	HOSC		H VCO Frequency Adjustment	0-15	FIX	7		12		0: Low, 15: High (40 Hz Steps)
55	VSS		Vsync Slice Level	0,1	FIX	0		1		0: 1/3 from sync tip, 1: 1/4 from sync tip
56	HSS		Hsync Slice Level	0,1	FIX	0		1		0: 1/3 from sync tip, 1: 1/4 from sync tip
57	HMSK		Macrovision Countermeasure	0,1	FIX	1		1		0: Off, 1: ON
58	VTMS		Select Signal VTIM Pin	0-3	FIX	0		0		0: V retrace timing, 1: Hsync signal, 2: Vsync signal, 3: don't use
59	AFC		AFC	0-3	FIX	0		0		0: High Gain, 1: Medium Gain, 2: don't use, 3: Extremely low gain
60	REFP		REFP	0,1	FIX	0		0		0: R=20H/G=21H/B=22H, 1: R=23H/G=24H/B=25H
61	VBSW		VBLK Width Control	0-3	FIX	0		0		0: 9H from B, 1: 10H from B, 2: 11H from B, 3:12H from B (When JUMP SW=1)
62	BKOF		ABL Signal Detection Level	0,1	FIX	0		0		0: VTH=3V, 1: VTH=1V
63	AGN2		Aging Mode 2 - Black Output Mode	0,1	FIX	0		0		0: Black Output Mode OFF, 1: Black Output Mode ON
0	SREF	AP BH3868	Surround Effect	0-15	FIX	7		7		0: Min, 15: Max (8-15 LOOP=1)
1	BBLP		BBE Low PAss	0-15	FIX	5		5		0: 0.5dB, 15: 10dB
2	BBHP		BBE High Pass	0-15	FIX	3		3		0: 0.5dB, 15: 10dB
3	SVOL		Sub Volume	0-15	FIX	7		7		0:-0 volume steps, 15:-15 volume steps
4	SBAL		Sub Balance	0-15	FIX	7		7		0: +Right, 15:+Left
5	SBAS		Sub Bass	0-15	Fix by model	5	7	8	5	0:-7 steps, 15: +8 steps
6	STRE		Sub Treble	0-15	Fix by model	3	10	8	3	0:-7 steps, 15: +8 steps
0	SPCA	SRS TDA7464	SRS Space Attenuation	0-63	FIX	0		0		0: 0dB, 63: -31db (1dB steps)
1	CENA		SRS Center Attenuation	0-63	FIX	0		0		0: 0dB, 63: -31db (1dB steps)
2	INPA		Input Attenuation	0-127	FIX	3		3		0: 0dB, 127: -31.5dB (0.5dB steps)
0	COUT	3D COMB uPD64082	Chroma Signal Gain / BPF	0-3	FIX	3		3		Input/Output gain=1 / BPF ON
1	YAPS		Y V-Compensation/Peaking	0-3	FIX	3		3		Correctin enabled for digital/analog inputs
2	NSDS		Standard/Non-Standard Processing	0-3	FIX	0		0		Standard adaptive processing
3	MSS		Inter-frame/Inter-line Mode	0-3	FIX	0		0		Adaptive Processing
4	EXAD		External ADC Insert	0,1	FIX	0		0		Internal Y-ADC
5	PECS		Pedestal Error Correction	0-3	FIX	0		0		Standard
6	EXCS		C sync Input	0-3	FIX	1		1		Use CSI
7	CPP		Y ADC Amplitude/Clamp Method	0-3	FIX	0		0		Y-ADC & C-ADC Vtb=1.25V
8	HDP		H Phase Fine Adjustment	0-7	FIX	3		3		Phase +/- 0msec
9	CDL		C Output Delay Fine Adjustment	0-7	FIX	5		5		Y/C Delay +/- 0msec
10	DYCO		Y Moving Coring Level	0-15	FIX	2		2		0: Close to moving pictures, 15: Close to still pictures
11	DYGA		Y Moving Coring Gain	0-15	FIX	10		10		0: Close to still Pictures, 15: Close to moving Pictures
12	DCCO		C Moving Coring Level	0-15	FIX	2		2		0: Close to moving pictures, 15: Close to still pictures
13	DCGA		C Moving Coring Gain	0-15	FIX	9		9		0: Close to still Pictures, 15: Close to moving Pictures
14	YNRK		YNR Non-linear Filter Gain	0,1	FIX	1		1		x7/8 large noise reduction and large after image
15	YNRI		YNR Non-linear Filter Convergence	0,1	FIX	0		0		6LSB small noise reduction and small after image
16	YNRL		YNR Non-linear Filter Limit Level	0-3	FIX	1		1		0: YNR Off , 3: 3LSB large noise reduction
17	CNRK		CNR Non-linear Filter Gain	0,1	FIX	1		1		x7/8 large noise reduction and large after image
18	CNRI		CNR Non-linear Filter Convergence	0,1	FIX	0		0		6LSB small noise reduction and small after image
19	CNRL		CNR Non-linear Filter Limit Level	0-3	FIX	1		1		0: CNR OFF , 3: 3LSB large noise reduction
20	ID1O		ID-1 Superimpose Signal	0,1	FIX	0		0		Through, no superimposition
21	ID1W		Specifies bit A1 of Word 0	0,1	FIX	0		0		0: 4x3, 1: 16x9
22	ID1N		Spedifies bit A2 of Word 0	0,1	FIX	0		0		0: normal, 1:letterbox
23	CLK		CLK8 Pin Output	0,1	FIX	1		1		0: Output 8fsc, 1: Output OFF

	Register Name		Description	Data Range	Adj/Fix	Initial Data	36" Average Data			Comments
							FS	FV16	FV26	
24	ST0S	3D COMB uPD64082	Select ST0 Pin Output Signal	0-3	FIX	1		1		External Y-ADC clamp pulse
25	WSC		Noise Detection Coring	0-3	FIX	1		1		1LSB coring for noise detection circuit
26	VTRH		H-sync Non-Standard Detection Hysteresis	0-3	FIX	1		1		Low hysteresis (2 clock pulses)
27	VTRR		H-sync Non-Standard Detection Sensitivity	0-3	FIX	1		1		Medium sensativity (+/- 8 clock pulses)
28	LDSR		Frame Sync Non-Std Detection Sensativity	0-3	FIX	2		2		Low sensativity (1.5 clock pulses)
29	PWRE		Internal ADC Input Range	0,1	FIX	0		0		Same input range on Y-ADC and C-ADC
30	VAPG		Vertical Aperture Compensation Gain	0-7	FIX	4		4		0: Correction OFF, 7: Max Correction
31	VAPI		Vertical Aperture Comp Convergence	0-31	FIX	12		12		0: Correction OFF, 31: Max Correction
32	TEST		Test Bit	0,1	FIX	0		0		Normal Mode
33	YPFT		Y Peaking Filter Center Frequency	0-3	FIX	3		3		4.22 MHz
34	YPFG		Y Peaking Filter Gain	0-15	FIX	7		6		0: -1 gain, 15: 0.875 gain
35	V1PS		Horizontal Dot Supression Level	0-3	FIX	2		2		Medium suppression
36	VEGS		Vertical Dot Supression Level	0-3	FIX	2		2		Medium supression
37	CC3N		Line Comb C Separation Filter	0,1	FIX	0		0		Narrow bandwidth
38	C0HS		C Signal Delay Time at NR	0,1	FIX	0		0		1H Delay
39	CLPH		Y-ADC Clamp Test Bit	0,1	FIX	0		0		Normal Mode
40	SEL2		DC Detection High Freq Sensativity	0,1	FIX	0		0		Low sensativity, Close to still pictures
41	SEL1		DY detection Low Freq Sensativity	0,1	FIX	0		0		Low sensativity, Close to still pictures
42	YHCO		Y High Freq Coring	0-3	FIX	1		0		Small Amount of coring (+/- 1LSB)
43	YHCG		Y High Freq Coring Gain	0,1	FIX	0		0		Gain = 1
44	OVST		Non Standard Detection Test Bit	0,1	FIX	0		0		Normal Mode
45	CSHD		H/V counter Test Bit	0,1	FIX	0		0		Normal Mode
46	KCTT		H/V counter Test Bit	0-3	FIX	0		0		Normal Mode
47	SHT		Non Standard Detection Test Bits	0,1	FIX	0		0		Normal Mode
48	VCT		H/V counter Test Bit	0,1	FIX	0		0		Normal Mode
49	OTT		H/V counter Test Bit	0,1	FIX	0		0		Normal Mode
50	CL2D		Clock Generator Test Bit	0,1	FIX	1		1		Normal Mode
51	CGGT		Clock Generator Test Bit	0,1	FIX	0		0		Normal Mode
52	CLEB		Clock Generator Test Bit	0,1	FIX	0		0		Normal Mode
53	CGT		Clock Generator Test Bit	0,1	FIX	0		0		Normal Mode
54	HPLL		Horizontal PLL Filter	0,1	FIX	1		1		Quick convergence
55	BPLL		Burst PLL Filter	0,1	FIX	1		1		Quick convergence
56	FSCF		Burst Extraction Gain	0,1	FIX	0		0		High gain
57	PLLF		PLL Loop Gain	0,1	FIX	1		1		High gain, quick convergence
58	KILR		Killer Detection Reference	0-15	FIX	3		3		0: Detection off, 15: High detection sensativity
59	HSSL		Horizontal Sync Slice Level	0-15	FIX	12		12		0: 4LSB, 15: 19LSB
60	VSSL		Vertical Sync Slice Level	0-15	FIX	8		8		0: HSSL + 0LSB, 15: HSSL + 15LSB
61	BGPS		Burst Gate Start Position	0-15	FIX	5		5		0: Hsync center + 2ms, 15: Hsync center +5.75ms
62	BGPW		Internal Burst Gate Pulse Width	0-15	FIX	10		10		0: 0.5ms, 15: 4.25ms
63	ADCL		ADC Clock Delay	0-3	FIX	3		3		0: 0ns, 3: 20.5ns (typical)
64	ADPD		ADC Power Down	0,1	FIX	1		1		Stop ADC when not in use
65	NSDW		Non Standard Detection Test Bit	0,1	FIX	0		0		Normal Mode
66	CNRF		CNR Section Test Bit	0,1	FIX	0		0		Normal Mode
0	SHPR	PIC IMP TA1226N	Controls both DL APACON and SRT	0-127	Fix by Model	52	59	52		0: Minimum, 127: Maximum
1	BLAD		Black Area Detect	0-3	FIX	0		0		0: 10IRE, 1: 20IRE, 2: 30IRE, 3: 40IRE
2	SRTS		SRT Start Amplitude	0-3	FIX	3		3		0: 7IRE, 1: 10IRE, 2: 14IRE, 3: 28IRE
3	YNR		Controls YNR ON/OFF	0,1	FIX	1		1		YNR ON
4	GIRE		Gamma Correction Start Point	0-3	FIX	3		3		0: 70IRE, 1: 80IRE, 2: 90IRE, 3: OFF
5	DAC1		1 bit DAC Output	0,1	FIX	0		0		Open
6	DAC2		1 bit DAC Output	0,1	FIX	0		0		Open

ADJUSTMENT ITEMS (cont.)

	Register Name		Description	Data Range	Adj/Fix	Initial Data	36" Average Data			Comments
							FS	FV16	FV26	
7	GCUR	PIC IMP TA1226N	Controls Curve of Gamma Correction	0,1	FIX	0	0			0: -2.4dB, -1.6dB
8	BLKC		Black Conpensation	0,1	FIX	1	1			OFF
9	TEST		Test Bit	0-3	FIX	3	3			Pin 20 Output: 0=RS, 1=SHR, 2=RTC, 3=TEST3
10	RS		Gain of DL APACON at 8MHz Peak	0-7	FIX	0	0			0: 0dB, 7: +6dB
11	RTC		Compensation Ratio of SRT and DL APACON	0-7	FIX	4	4			0: Min, 7: Max
12	VMLO		Gain for Menu VM=LOW	0-2	FIX	1	1			0=off, 1=-6dB, 2=-3dB, 3=0dB
0	PIPH	PIP SDA9588X	PIP H-position	0-127	FIX	34	34			0:Right, 127:Left
1	PIPV		PIP V-position	0-63	FIX	22	22			0:Up, 63:Down
2	POFV		Position Ofset Vertical	0-15	FIX	4	4			Vertical PiP Offset from Center
3	POFH		Position Ofset Horizontal	0-31	FIX	17	17			Horizontal PiP Offset from Center
4	VACQ		PiP V-Acquisition Window	0-15	FIX	8	8			0: -8 lines up, 8: Center, 15: +7 pixels down
5	HACQ		PiP H-Acquisition Window	0-15	FIX	8	8			0: -16 pixels right, 8: Center, 15: +14 pixels left
6	PVID		PiP Vsync Delay	0-31	FIX	0	0			Step size 3.56ms< 1 step < 6.4ms
7	VERB		Vertical Blanking	0,1	FIX	0	0			0: DAC Blanking during line blanking interval, 1: DAC Blanking during line AND field intervals
8	PSEL		SELDOWN Bit Control	0,1	FIX	1	1			0:Open out, 1:TTL out
9	SELD		Select PYS Delay	0-15	FIX	8	8			0: -8 clock cycles, 8: NO delay, 15: +7 clock cycles
10	4SLD		Select PYS Delay YUV Input	0-15	FIX	8	8			0: -8 clock cycles, 8: NO delay, 15: +7 clock cycles
11	PCOR		Position Correction	0,1	FIX	1	1			0: OFF, 1: ON (Position correction during varying parent frequency)
12	AGCR		AGC Gain Control Reset	0,1	FIX	1	1			0: Normal, 1: Reset (transition of 0-->1 resets AGC)
13	AGCM		AGC Mode	0-3	FIX	0	3			0: Sync height & ADC Overflow, 1: sync height, 2: ADC overflow, 3: AGC Fixed
14	AGCV		ADC Value	0-15	FIX	11	12			0: Input valtage 0.5Vpp, 15: Input Voltage is 1.5Vpp
15	CLMD		Clamp Pulse Duration	0-3	FIX	3	3			0: 0.5ms, 1: 0.9ms, 2: 1.2ms, 3: 1.5ms
16	CLMS		Clamp Pulse Start	0-3	FIX	2	2			0: 1.0ms, 1: 1.5ms, 2: 2.0ms, 3: 2.5ms
17	LMOF		Luminance Offset	0-3	FIX	3	3			0: NO OFFSET, 1: +16LSB, 2: -8LSB, 3: -16LSB
18	PYDL		Y/C Delay	0-15	FIX	8	2			0: -8 pixels, 15: +7 pixels
19	FRMY		Frame Y Level	0-15	Fix by Model	6	5			Adjusts 4 MSB of Frame Y Signal
20	FRSL		Frame Type Select	0,1	FIX	1	1			0: Normal frame, 1: 3D frame
21	FRWH		Frame Width Horizontal	0-7	FIX	4	4			0: No frame, 7: 7 pixels
22	FRWV		Frame Width Vertical	0-3	FIX	1	1			0: No frame, 3: 3 lines
23	PBSW		PiP Block Selection (PIPBG vs PIPBLK)	0,1	FIX	0	1			Blocking Type: 0= PIPBG(gray), 1=PIPBLK(black)
0	CKIL	PIP-YC SDA9588X	Color Killer Threshold	0-3	FIX	0	0			0: -30dB, 1: -18dB, 2: -24dB, 3: color always off
1	COLO		Color Killer Off	0,1	FIX	0	0			0: Color killer active, 1: Color always on
2	PSHU		PiP Sub Hue	0-15	FIX	7	7			PiP sub hue
3	4PSU		PiP Sub Hue YUV Input	0-15	FIX	7	7			PiP sub hue
4	CPLL		Chroma PLL Off	0,1	FIX	0	0			0: Chroma PLL active, 1: Chroma PLL free running
5	SCAD		Sub Carrier Freq Fine Adjustment	0-31	FIX	5	6			0: -150 PPM, 7: default, 31: +310 PPM
6	PCON		PiP Contrast	0-15	FIX	0	0			0: nominal, 15: +30% increase
7	4PCN		PiP Contrast YUV Input	0-15	FIX	0	0			0: nominal, 15: +30% increase
8	PBRT		PiP Brightness	0-15	FIX	0	2			0: nominal, 15: +20% increase
9	4PBR		PiP Brightness YUV Input	0-15	FIX	0	2			0: nominal, 15: +20% increase
10	IPER		V Pedestal	0-15	FIX	0	0			0: nominal, 15: +15LSB offset
11	4IPR		V Pedestal YUV Input	0-15	FIX	4	0			0: nominal, 15: +15LSB offset
12	IPEG		Y Pedestal	0-15	FIX	0	0			0: nominal, 15: +15LSB offset
13	4IPG		Y Pedestal YUV Input	0-15	FIX	0	0			0: nominal, 15: +15LSB offset
14	IPEB		U Pedestal	0-15	FIX	1	1			0: nominal, 15: +15LSB offset
15	4IPB		U Pedestal YUV Input	0-15	FIX	1	1			0: nominal, 15: +15LSB offset
16	BLKR		Invert V Pedestal	0,1	FIX	1	0			0: Offset add during blanking, 1: Offset add during active
17	BLKB		Invert U Pedestal	0,1	FIX	0	1			0: Offset add during blanking, 1: Offset add during active
18	PVGA		Peak Level V Output	0-255	FIX	84	84			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
19	4PVG		Peak Level V Output YUV Input	0-255	FIX	69	69			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp

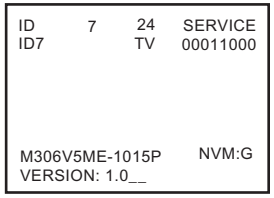
	Register Name		Description	Data Range	Adj/Fix	Initial Data	36" Average Data			Comments
							FS	FV16	FV26	
20	PUGA	PIP-YC SDA9588X	Peak Level U Output	0-255	FIX	52	52			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
21	4PUG		Peak Level U Output YUV Input	0-255	FIX	36	36			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
22	PYGA		Peak Level Y Output	0-255	Fix by Model	104	35			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
23	4PYG		Peak Level Y Output YUV Input	0-255	Fix by Model	129	37			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
24	CHRO		UV Output Polarity	0,1	FIX	0	0			0: +U/+V output, 1: -U/-V output
25	SATA		Color Saturation Adjustment	0-15	FIX	8	9			0: No color, 8: nominal saturation, 15: nominal x 1.875
26	YPKG		Y Peaking Adjustment	0-7	FIX	7	7			0: No peaking, 7: Strongest Peaking
27	4YPK		Y Peaking Adjustment YUV Input	0-7	FIX	7	7			0: No peaking, 7: Strongest Peaking
28	YCOR		Y Coring Enable	0,1	FIX	1	1			0: OFF, 1: ON
29	CLPL		Clamp Pulse Length	0-3	FIX	0	0			0=5ms, 1=3.75ms, 2=2.5ms, 3=1.25ms
0	RTCO	DAC CXA1315	Rotation Coil	0-63	FIX	31	31			Rotation coil adjustment for nominal value
1	T2CO		Sub Color TV Input	0-7	*Adj*	120	104			TV Sub Color Adjustment (CXA2039 YUV Models AT DAC)
2	V2CO		Sub Color Video Input	0-7	*Adj*	120	148			VIDEO1-3 Sub Color Adjustment (CXA2039 YUV Models at DAC)
3	4COL		Sub Color YUV Input	0-7	*Adj*	120	137			YUV Sub Color Adjustment (CXA2039 YUV Models at DAC)
4	T2HU		Sub Hue TV Input	0-7	*Adj*	15	16			TV Sub HUE Adjustment (CXA2039 YUV Models at DAC)
5	V2HU		Sub Hue Video Input	0-7	*Adj*	15	18			VIDEO1-3 Sub HUE Adjustment (CXA2039 YUV Models at DAC)
6	4SHU		Sub Hue YUV Input	0-7	*Adj*	15	16			YUV Sub HUE Adjustment (CXA2039 YUV Models at DAC)
0	XJGL	ID1 CXD2085	Decoding Result Held For VCR Scanning	0,1	FIX	0	0			Hold data during VCR variable speed playback
1	LNJ1		ID-1 Signal Location	0,1	FIX	0	0			Search for ID-1 data +/- one line in VBI
0	DUM1	CCD	CCD Dummy Register							Used to display CC data in Service Mode
1	VOSD		VChip OSD Test Register	0,1	FIX	0	0			Used to display VChip data in Service Mode
0	DISP	OP M306V5	OSD Position	0-63	*Adj*	15	16			OSD horizontal position
1	RAMW		OSD RAM Window	0,1	FIX	0	0			
2	ICMP		OSD Non-interlace Threshold	0-15	FIX	4	4			0: 0 fields, 15: 15 fields
3	IPOR		OSD Non-interlace Even/Odd Display	0-3	Fix	1	1			0=Even OSD display, 1= Odd OSD display, 2&3=N/A
4	FAWD		Factory AutoWide Mode	0,1	Fix	0	0			0= No Autowide in RF mode, 1= Autowide in RF Mode
5	TILT		Tilt Correction Spec	0,1	Fix	0	2			0= New Tilt Spec for AA2U (less VANG offset), 1= AA2W/AA2H Tilt Spec
		PROGRAM PALETTE	PROGRAM FOR EACH PALETTE MODE →				VIVID	STD	MOVIE	SPORTS
0	VPIC		Set Current Program Pallette PICTURE Reset Level	0-63	FIX by Palette	50	63	50	38	63	0=MIN, 63=MAX
1	VBRT		Set Current Program Pallette BRIGHTNESS Reset Level	0-63	FIX by Palette	31	31	31	31	31	0=MIN, 63=MAX
2	VCOL		Set Current Program Pallette COLOR Reset Level	0-63	FIX by Palette	31	38	31	31	38	0=MIN, 63=MAX
3	VSHP		Set Current Program Pallette SHARPNESS Reset Level	0-63	FIX by Palette	31	31	31	31	31	0=MIN, 63=MAX
4	VVM		Set Current Program Pallette VM Reset Level	0-3	FIX by Palette	1	2	1	0	2	0=OFF, 1=LOW, 2=HIGH, 3=N/A
5	VTRI		Set Current Program Pallette Color Temp Reset Setting	0-3	FIX by Palette	1	0	1	2	0	0=COOL, 1=NEUTRAL, 2=WARM, 3=N/A
6	VGMA		Set Current Program Pallette YC/J GAMMA	0-3	FIX by Palette	2	3	2	2	2	0=GAMMA CORRECTION OFF, 3=+12 IRE CORRECTION @ 40 IRE INPUT
7	VBLK		Set Current Program Pallette Black Stretch	0,1	FIX by Palette	1	1	1	1	1	0=BLACK STRETCH OFF, 1=BLACK STRETCH ON
8	VAPA		Set Current Program Palette APACON	0,1	FIX by Palette	1	0	1	1	1	0=APACON OFF, 1=APACON ON
9	VSRT		Set Current Program Pallette SRT	0,1	FIX by Palette	0	1	0	0	0	0=SRT OFF, 1=SRT ON
10	VNRM		Set Current Program Pallette NRMD	0,1	FIX by Palette	0	0	0	0	1	0=3D YCS, 1=2D YCS

ADJUSTMENT ITEMS (cont.)

	Register Name		Description	Data Range	Adj/Fix	Initial Data	36" Average Data			Comments
							FS	FV16	FV26	
0	RDOF	WARM COLOR TEMP OFFSET	Red Drive offset for WARM	0-63	FIX	0	0			Red Drive MOVIE=RDRV(RDR4)-RDOF
1	GDOF		Green Drive offset for WARM	0-63	FIX	4	4			Green Drive MOVIE=GDRV(GDR4)-GDOF
2	BDOF		Blue Drive offset for WARM	0-63	FIX	15	15			Blue Drive MOVIE=BDRV(BDR4)-BDOF
3	RCOF		Red Cutoff offset for WARM	0-31	FIX	0	0			Red Cutoff MOVIE=RCUT(RCU4)-RCOF
4	GCOF		Green Cutoff offset for WARM	0-31	FIX	2	2			GREEN Cutoff MOVIE=GCUT(GCU4-GCOF)
5	BCOF		Blue Cutoff offset for WARM	0-31	FIX	7	7			BLUE Cutoff MOVIE=BCUT(BCU4)-BCOF
6	DCOF		Dynamic Color setting for WARM	0,1	FIX	0	0			0=OFF, 1=ON
0	ID-0	ID MAP	ID-0 (Language/Color Systems)	0-255	Fix by model	89	*refer to NVM ID Chart*			See ID map
1	ID-1		ID-1 (Input/Output Conifguration)	0-255	Fix by model	63				See ID map
2	ID-2		ID-2 (Audio)	0-255	Fix by model	239				See ID map
3	ID-3		ID-3 (OSD/Timer/V-chip/Ch Fix)	0-255	Fix by model	99				See ID map
4	ID-4		ID-4 (CC/Spot Killer/etc)	0-255	Fix by model	139				See ID map
5	ID-5		ID-5 (V-series Features/etc)	0-255	Fix by model	181				See ID map
6	ID-6		ID-6 (PiP/Ant Sw related)	0-255	Fix by model	6				See ID map
7	ID-7		ID-7 (Special Models/etc)	0-255	Fix by model	24				See ID map

VALUE = Not Used for AA-2U
VALUE = Fixed Item For AA-2U

5-5. FEATURE ID MAP



Note: Check to be sure NVM is good (NVM: G)

Model	Destination	ID-0	ID-1	ID-2	ID-3	ID-4	ID-5	ID-6	ID-7
KV-36FS12	US	89	31	95	99	139	177	0	16
KV-36FS12	CND	89	31	95	83	139	177	0	16
KV-36FS12	HAW	89	31	95	99	139	177	0	16
KV-36FS16	US	89	31	95	99	139	177	6	16
KV-36FS16	CND	89	31	95	83	139	177	6	16
KV-36FS16	HAW	89	31	95	99	139	177	6	16
KV-36FV16	US	89	63	239	99	139	181	6	17
KV-36FV16	HAW	89	63	239	99	139	181	6	17
KV-36FV26	US	89	63	239	99	139	181	6	24
KV-36FV26	CND	89	63	239	83	139	181	6	24
KV-36FV26	HAW	89	63	239	99	139	181	6	24

5-6. PROGRAM PALETTE SETTINGS

		Vivid	Standard	Movie	Sports
Picture	**(VPIC)**	63	50	38	63
Brightnness	**(VBRT)**	31	31	31	31
Color	**(VCOL)**	38	31	31	38
Sharpness	**(VSHP)**	31	31	31	31
VM[1)]	**(VVM)**	2	1	0	2
C Temp[1)]	**(VTRI)**	2	1	0	2
Gamma	**(VGMA)**	3	2	2	2
Blk Comp	**(VBLK)**	1	1	1	1
V Apa Comp	**(VAPA)**	0	1	1	1
SRT ON/OFF	**(VSRT)**	1	0	0	0
NRMD	**(VNRM)**	0	0	0	1

[1)] Setting of 3 is invalid for these registers

To Program Program Palette RESET Levels

1. Switch to Program Palette to edit.
2. Enter Service Mode.
3. Set desired values for current Program Palette settings.
4. Write into memory by MUTING then ENTER.
5. Repeat steps 1-4 for each palette.

Example

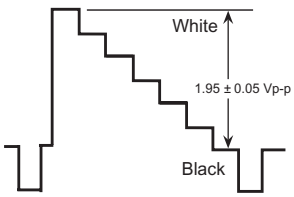
To Set RESET Level of Standard Mode to 60%

1. Switch to STANDARD Palette.
2. Enter Service Mode.
3. Change value of VPIC to 38 (38/63 = 60%)
4. Write into memory by MUTING then ENTER.
5. Enter Video Menu and press RESET .
6. Reset level of picture for STANDARD PALETTE ONLY is now 38 steps.

5-7. A BOARD ADJUSTMENTS

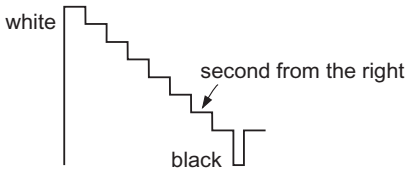
Sub Contrast Adjustment (RDRV, RDR4)

1. Input a 75% color-bar signal.
2. Set to: VIDEO mode = Standard, COLOR = Minimum, PICTURE = 100%, GON = 0 (OFF), BON = 0 (OFF)
3. Set to Service Adjustment Mode and connect an oscilloscope to pin ① of CN351 on the A Board.
4. Set RDRV with 1 and 4 .
5. Adjust with 3 and 6 for: 1.95 ± 0.05 Vp-p.
6. Write into memory by MUTING then ENTER.
7. Repeat steps 1-6 for RDR4 using Video 4 input.



Sub Bright Adjustment (SBRT)

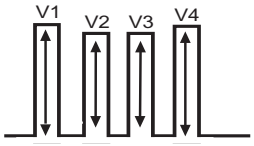
1. Set to Service Adjustment Mode.
2. Input a gray scale pattern signal.
3. Set the PICTURE to minimum, and BRIGHT to normal.
4. Select SBRT with 1 and 4 .
5. Adjust SUB BRIGHT level with 3 and 6 so that the stripe second from the right is faintly visible.
6. Write into the memory by pressing MUTING then ENTER.



Sub Hue, Sub Color Adjustment (T2HU, T2CO, V2HU, V2CO, 4SHU, 4COL)

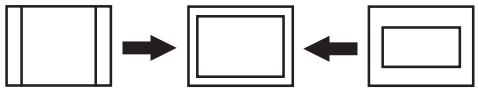
Note: T2HU and T2CO are for Tuner inputs.
V2HU and V2CO are for all other Video inputs.
4SHU and 4COL are for Video 4 input.

1. Input a 75% color-bar signal.
2. Set to Service Adjustment Mode and set: VIDEO mode = Standard, PICTURE = 100%, COLOR = 50%, HUE = 50%.
3. Connect an oscilloscope to Pin ③ of CN351 on the A Board.
4. Select T2HU and T2CO with 1 and 4 .
5. Adjust with 3 and 6 for the V1 = V4 ± 0.1Vp-p (T2CO) and V2 = V3 ± 0.1Vp-p (T2HU).
6. Write into memory by MUTING then ENTER.
7. Repeat steps 1-6 for V2HU & V2C0 and 4SHU & 4COL.



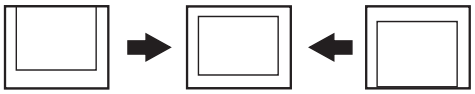
V. Size Adjustment (VSIZ)

1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VSIZ with 1 and 4 .
4. Adjust with 3 and 6 for the best vertical size.
5. Write into the memory by pressing MUTING then ENTER.



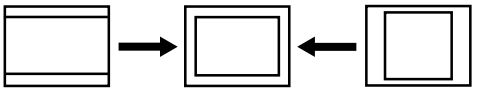
V. Position Adjustment (VPOS)

1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VPOS with 1 and 4 .
4. Adjust with 3 and 6 for the best vertical center.
5. Write into the memory by pressing MUTING then ENTER.



H. Size Adjustment (HSIZ)

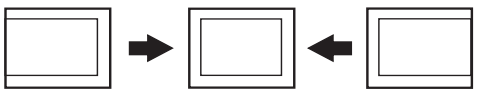
1. Input a monoscope signal.
2. Set to Service Adjustment Mode.
3. Select HSIZ with 1 and 4 .
4. Adjust with 3 and 6 for the best vertical size.
5. Write into the memory by pressing MUTING then ENTER.



H. Position Adjustment (HPOS)

HPOS Range is from 0~15.

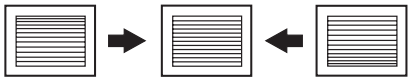
1. Input a monoscope signal.
2. Set the Service Adjustment Mode.
3. Select HPOS with 1 and 4 .
4. Adjust with 3 and 6 for the best horizontal center.
5. Write into the memory by pressing MUTING then ENTER.



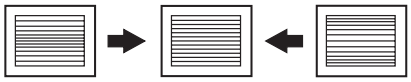
V Linearity (VLIN), V Correction (VSCO), Pin Amp (PAMP) And Pin Phase (PPHA) Adjustments

1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VLIN, VSCO, PAMP, and PPHA with 1 and 4 .
4. Adjust with 3 and 6 for the best picture.
5. Write the memory by pressing MUTING then ENTER .

V LINEARITY(VLIN)

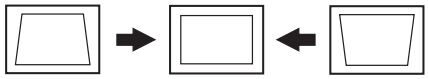


VS CORRECTION (VSCO)



PIN AMP (PAMP)

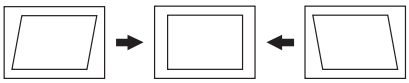
PIN PHASE (PPHA)



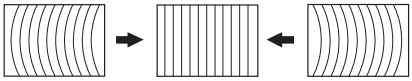
V Angle (VANG), V Bow (VBOW), Upper Pin (UPIN) And Low Pin (LPIN) Adjustments

1. Input a monoscope signal.
2. Set to Service Adjustment Mode.
3. Select VANG, VBOW, UPIN, and LPIN with 1 and 4 .
4. Adjust with 3 and 6 for the best picture.
5. Write the memory by pressing MUTING then ENTER.

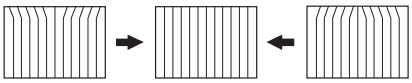
V ANGLE (VANG)



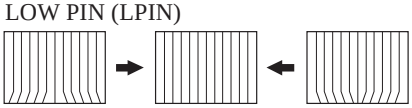
V BOW (VBOW)



UPPER PIN (UPIN)

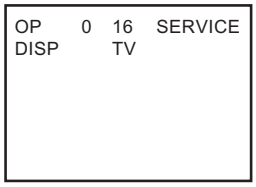


LOW PIN (LPIN)



OSD Position Adjustment (DISP)

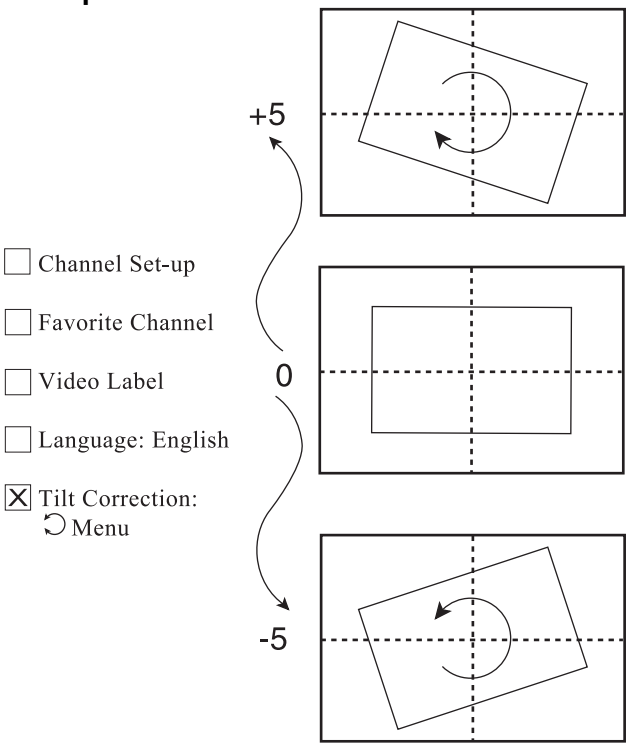
1. Input a color-bar signal.
2. Set to Service Adjustment Mode.
3. Select DISP with 1 and 4 .
4. Adjust with 3 and 6 for adjustment of characters to center.
5. Write the memory by pressing MUTING then ENTER.



Rotation Coil Adjustment

1. Input a monoscope signal.
2. Push the Menu button on the Remote.
3. Select the "Set-up" mode.
4. Select "Tilt Correction". Confirm that number (0) color changes to red.
5. Push ↑ (+) on the Remote. Confirm that the number increases up to +5 and the picture rotates clockwise.
6. Push ↓ (-) on the Remote. Confirm that the number decreases down to -5 and the picture rotates counter-clockwise.
7. Push ↑ (+) on the Remote. Return the value to 0.

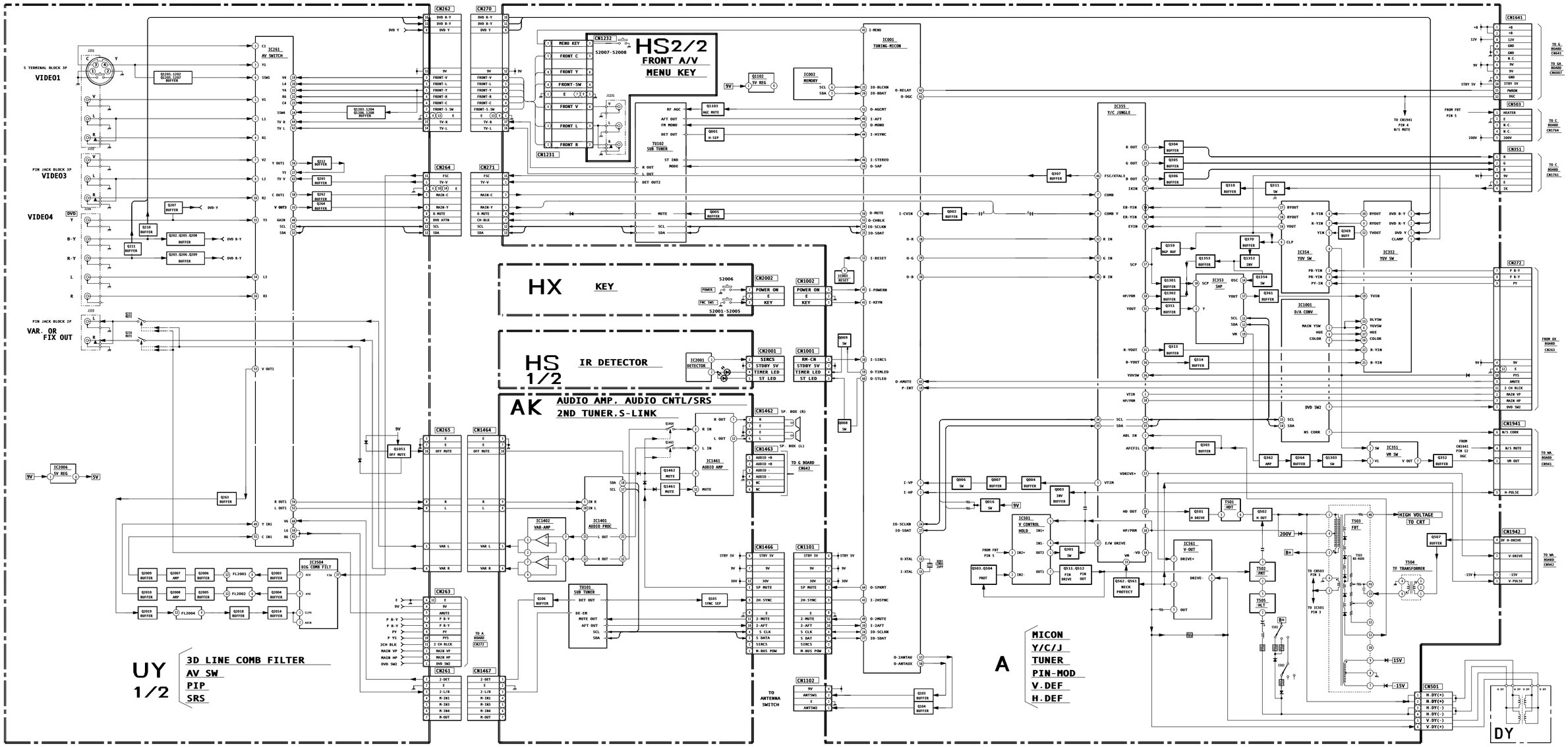
Set-Up



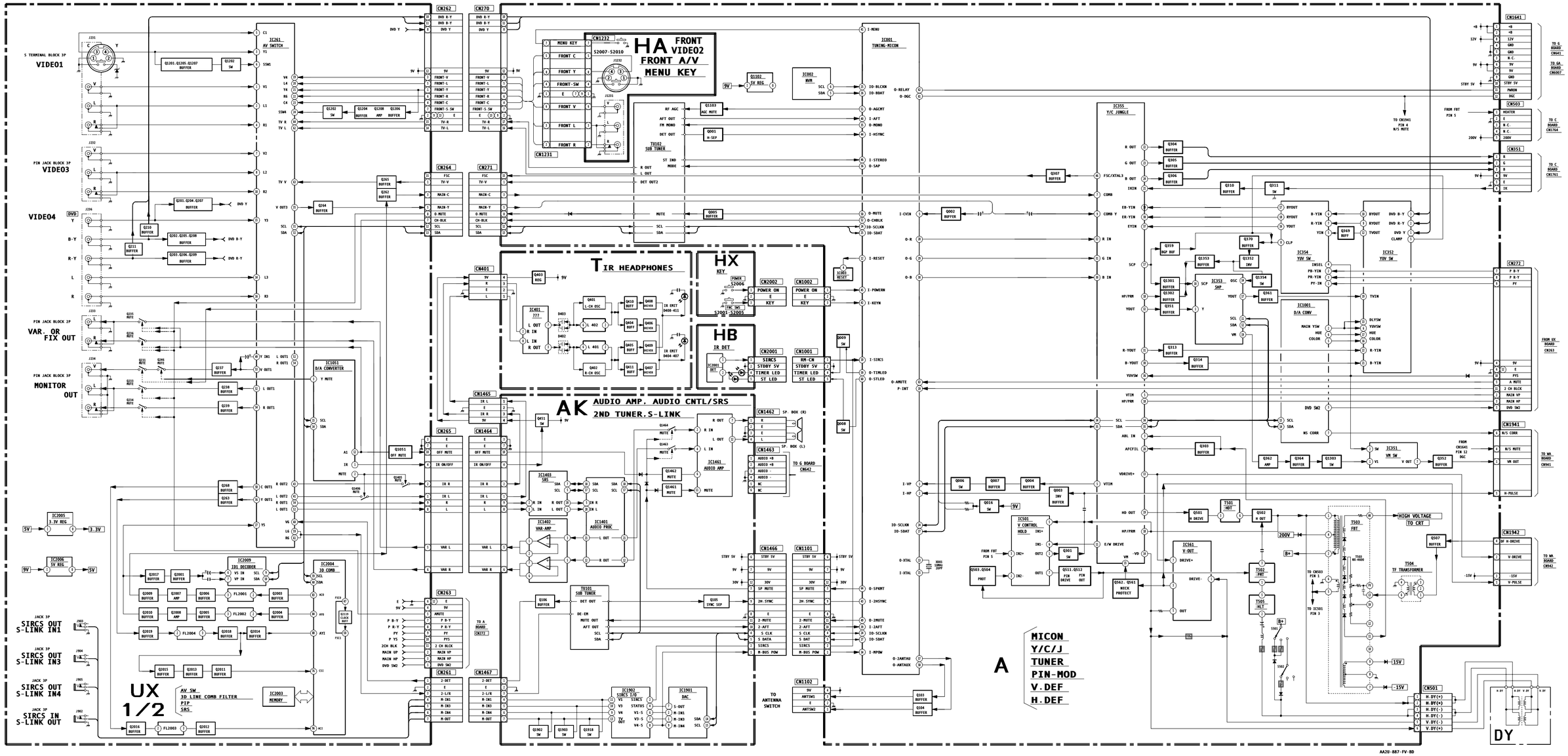
NOTES:

SECTION 6
DIAGRAMS

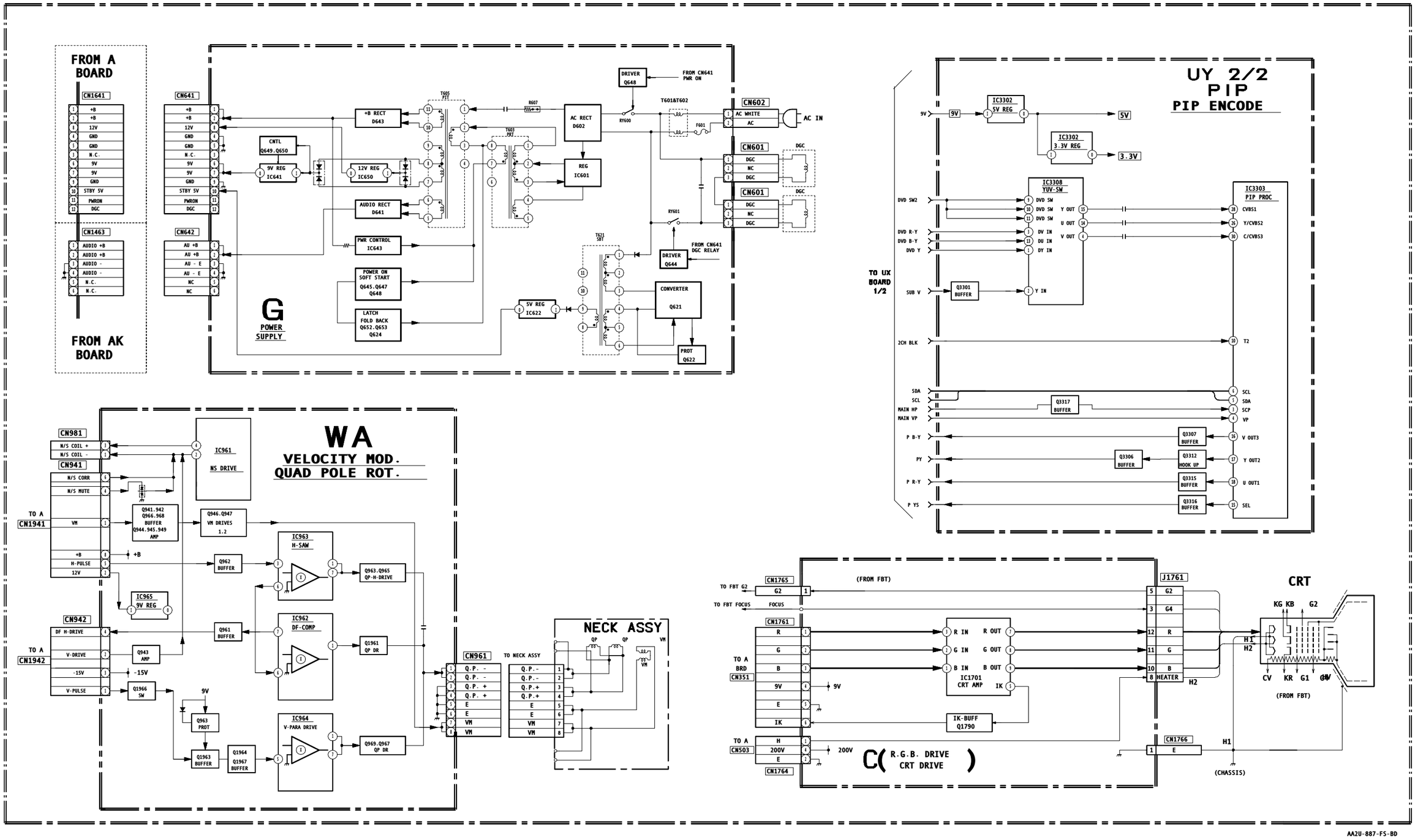
6-1. BLOCK DIAGRAM (1/4) (KV-36FS12/36FS16 ONLY)



6-2. BLOCK DIAGRAM (2/4) (KV-36FV16/36FV26 ONLY)

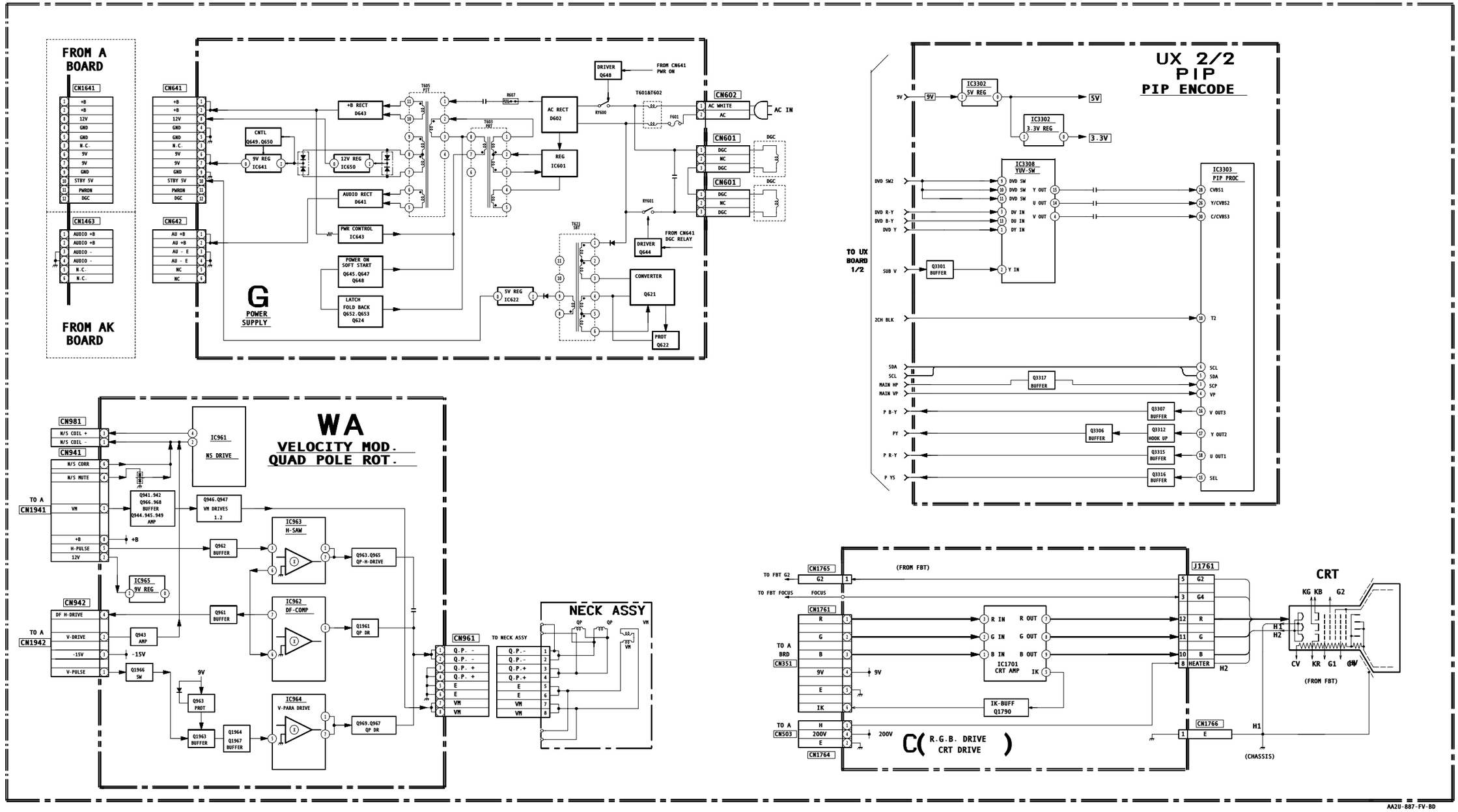


6-3. BLOCK DIAGRAM (2/2) (KV-36FS12/36FS26 ONLY) see page 31 for 1/2 of this diagram



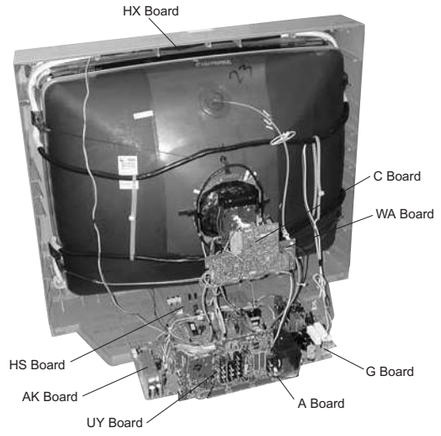
AA2U-887-FS-BD

6-4. BLOCK DIAGRAM (2/2) (KV-36FV16/36FV26 ONLY) see page 33 for 1/2 of this diagram

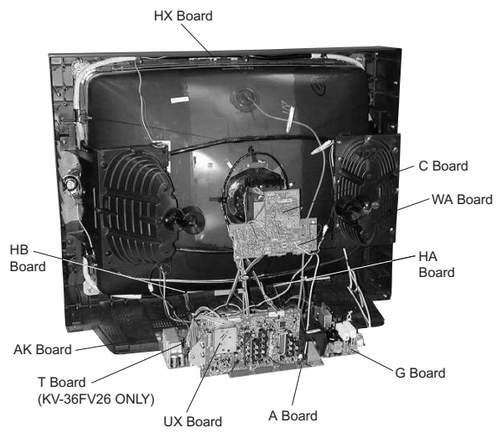


6-5. CIRCUIT BOARD LOCATIONS

KV-36FS12/36FS16 ONLY



KV-36FV16/36FV26 ONLY



6-6. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- All capacitors are in mF unless otherwise noted. pF: mmF 50 WV or less are not indicated except for electrolytic and tantalums.
- All electrolytics are 50V unless otherwise specified.
- Indication of resistance, which does not have one for rating electrical power, is as follows:
  Pitch: 5mm
  Rating electrical power 1/4W (CHIP: 1/10W)
- All resistors are in ohms.
  KW = 1000W MW = 1000KW
- : nonflammable resistor
- : fusible resistor
- : internal component
- : panel designation and adjustment for repair
- : earth-ground
- : earth-chassis
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by ⋈ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⋈ and repeat the adjustment until the specified value is achieved (refer to Safety Related Adjustments on page 19).
- When replacing parts shown in the table below, be sure to perform the related adjustments.

Part Replaced (◪)	Adjustment (⋈)
R387, R550, R529, R530, R531, R532, R533, D519, D520, D521, IC501, C531, C532, T503, IC351, IC355, Q301, R356, R359, R361, D302 ..... A Board IC643, R661 ..... G Board	HV HOLD-DOWN R530, R531

- All voltages are in Volts
- Voltage is DC with respect to ground unless otherwise noted.

- Readings are taken with a 10MW digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerance.
- Circled numbers are waveform references.
- * : cannot be measured
- ▬▬ : B + Line
- ----- : B - Line
- ⇨ : Signal path

Reference Information

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

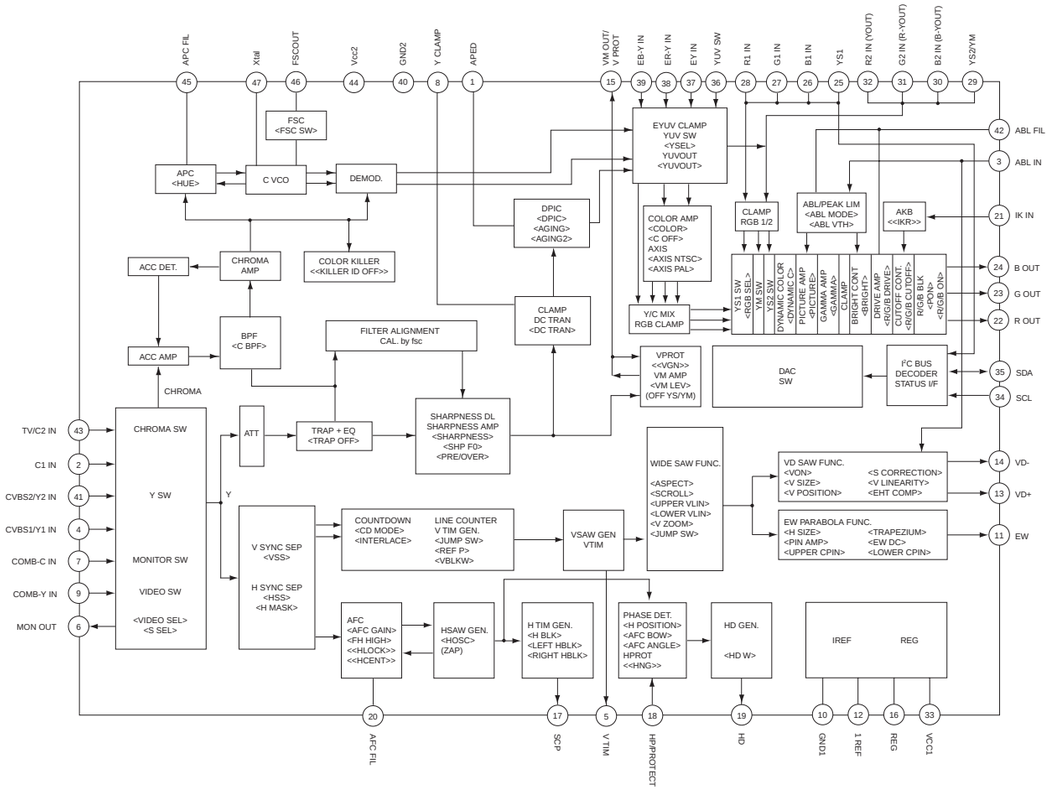
Note:

The components identified by shading and ⚠ mark are critical for safety. Replace only with the part number specified. The symbol ▭ (displayed on component side of the circuit board) indicates fast operating fuse. Replace only with fuse of the same rating as marked.

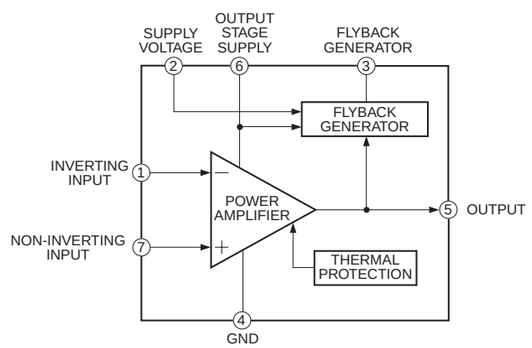
Les composants identifiés per un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié. Le symbole ▭ indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme marque.

A BOARD IC BLOCK DIAGRAMS

A BOARD: IC355 CXA2131AS

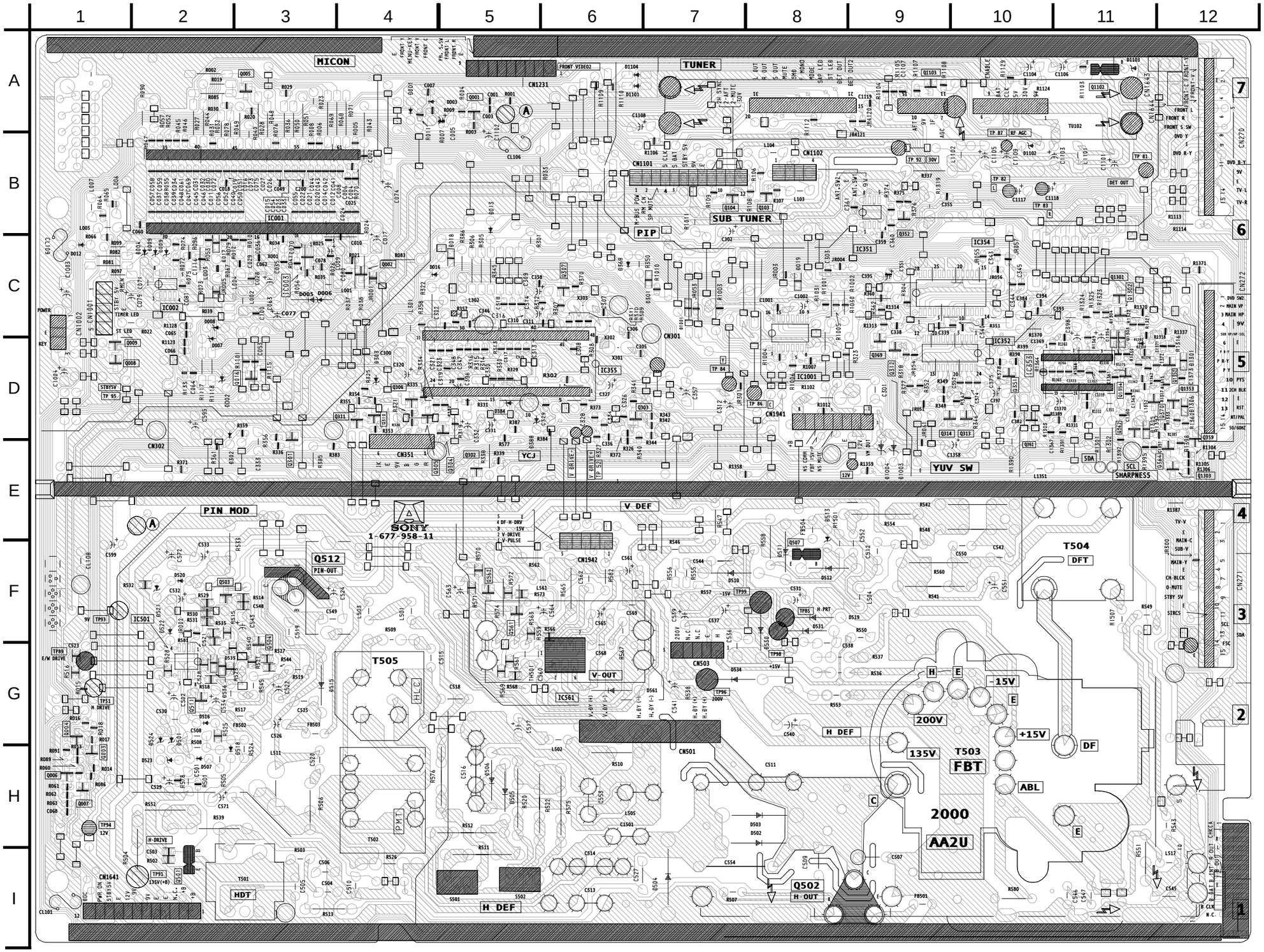


A BOARD: IC561 STV9379



A

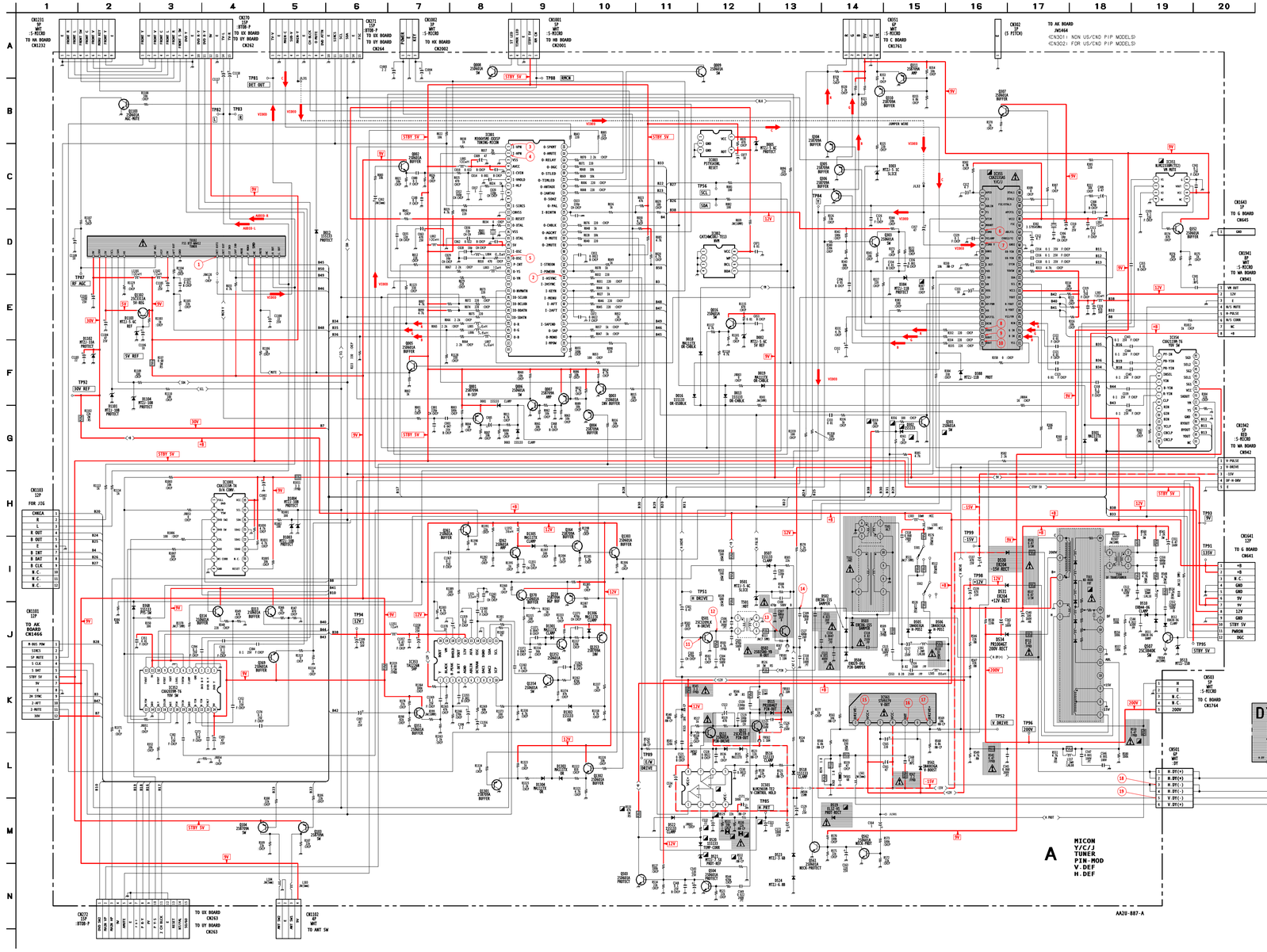
[MICON, Y/C/J, TUNER, PIN-MOD, V. DEF, H. DEF]



A BOARD LOCATOR LIST

DIODE		IC352	D-10
D001	A-4	IC353	C-10
D002	D-2	IC354	C-10
D003	A-5	IC355	D-6
D005	C-3	IC501	F-2
D012	C-1	IC561	G-6
D013	B-5	IC1001	D-8
D016	C-4	**TRANSISTOR**	
D018	C-5	Q001	A-5
D019	C-8	Q002	C-4
D301	C-7	Q003	H-1
D302	E-2	Q004	G-1
D303	D-4	Q005	A-3
D368	C-6	Q006	H-1
D384	D-5	Q007	H-1
D388	D-5	Q008	D-10
D501	H-2	Q009	D-10
D502	H-8	Q016	D-2
D503	H-8	Q103	B-8
D504	I-7	Q104	B-7
D505	H-5	Q301	E-3
D506	H-5	Q303	D-6
D507	H-2	Q304	D-4
D510	F-7	Q305	D-4
D511	E-8	Q306	D-4
D512	F-8	Q307	C-6
D513	E-8	Q310	D-4
D515	G-3	Q311	D-3
D516	G-2	Q313	D-10
D518	H-3	Q314	D-9
D519	F-8	Q351	D-10
D520	F-2	Q352	B-9
D521	F-2	Q359	D-12
D522	F-2	Q361	D-10
D523	H-2	Q362	E-11
D524	H-2	Q364	E-12
D530	G-8	Q369	D-9
D531	F-8	Q370	D-11
D534	G-7	Q501	I-2
D535	G-2	Q502	I-8
D536	G-2	Q503	F-2
D561	G-7	Q504	F-3
D1003	E-9	Q507	F-8
D1004	E-9	Q511	G-2
D1101	A-6	Q512	F-3
D1102	B-10	Q561	F-4
D1103	A-11	Q562	F-4
D1104	A-6	Q1102	A-11
D1301	D-12	Q1103	A-9
D1302	C-11	Q1301	C-11
D1303	C-11	Q1302	C-11
D1304	C-11	Q1303	E-12
D1305	D-11	Q1352	D-11
D1306	D-12	Q1353	D-12
IC		Q1354	D-11
IC001	B-2	**CRYSTAL**	
IC002	C-2	X001	C-3
IC003	C-3	X302	D-6
IC351	C-9		

A BOARD SCHEMATIC DIAGRAM



A BOARD IC VOLTAGE LIST

IC001			IC002									IC561	
pin	volt	32	0.0	pin	volt	6	N/C	12	4.7	23	9.0	26	4.7	pin	volt
1	1.9	33	0.0	1	GND	7	GND	14	11.4	25	N/C	28	4.7	1	1.4
2	4.0	35	0.0	2	GND	8	N/C	15	5.6	26	N/C	29	N/C	2	14.0
3	0.0	36	0.0	3	GND	9	3.9	16	11.7	27	N/C	30	4.3	3	-11.9
4	5.0	37	5.4	4	GND	10	3.9	17	7.6	28	N/C	31	4.3	4	-13.8
5	2.7	38	0.0	5	4.7	11	9.0	18	1.3	IC355		32	3.7	5	0.4
6	0.2	39	4.0	6	4.7	12	3.1	19	3.6	pin	volt	33	9.1	6	14.4
7	1.8	40	2.9	7	0.0	13	0.1	20	2.0	1	3.5	34	4.7	7	1.4
8	0.5	41	4.9	8	5.0	14	GND	IC354		2	N/C	35	4.7	IC1001	
9	0.5	42	5.0	IC003		15	2.4	pin	volt	3	1.5	36	7.3	pin	volt
10	4.8	43	0.0	pin	volt	16	4.4	1	4.0	4	N/C	37	4.8	1	N/C
11	0.0	44	0.0	1	N/C	17	4.7	2	4.0	5	5.0	38	5.5	2	0.1
12	5.0	45	4.0	2	GND	18	GND	3	4.0	6	N/C	39	5.5	3	0.3
13	2.2	46	4.0	3	GND	19	6.0	4	0.0	7	4.5	40	GND	4	N/C
14	0.0	47	0.0	4	5.0	20	GND	5	4.0	8	4.8	41	N/C	5	4.4
15	1.2	48	0.0	5	5.0	21	5.8	6	4.0	9	5.3	42	7.3	6	4.7
16	4.8	49	0.0	IC351		22	5.8	7	4.0	10	GND	43	N/C	7	4.7
17	2.7	50	0.0	pin	volt	23	5.8	8	2.2	11	3.4	44	9.3	8	GND
18	2.7	51	0.0	1	5.8	24	9.0	9	N/C	12	2.4	45	5.5	9	9.3
19	3.3	52	0.0	2	0.3	IC353		10	N/C	13	3.5	46	5.1	10	N/C
20	0.0	53	0.0	3	5.3	pin	volt	11	N/C	14	3.5	47	1.9	11	9.3
21	0.0	54	5.0	4	GND	1	4.5	12	N/C	15	5.8	48	N/C	12	9.3
22	0.0	55	0.0	5	N/C	2	3.7	13	N/C	16	7.6	IC501		13	GND
23	4.8	56	0.0	6	9.4	3	4.9	14	N/C	17	1.2	pin	volt	14	4.7
24	4.7	57	4.8	7	5.0	4	4.5	15	N/C	18	3.5	1	-3.5	15	4.7
25	4.7	58	0.0	8	GND	5	GND	16	3.9	19	1.9	2	8.2	16	9.3
26	4.7	59	0.0	IC352		6	N/C	17	3.9	20	2.5	3	8.0	All voltages are in V	
27	4.7	60	0.0	pin	volt	7	4.5	18	3.9	21	2.0	4	-13.8		
28	0.0	61	0.0	1	5.8	8	N/C	19	GND	22	1.3	5	2.3		
29	0.0	62	4.7	2	5.8	9	N/C	20	0.0	23	1.2	6	2.9		
30	0.0	63	0.0	3	5.8	10	1.3	21	0.0	24	1.2	7	13.6		
31	0.0	64	0.0	4	GND	11	4.7	22	N/C	25	0.0	8	14.0		

TU102	
pin	volt
1	8.7
2	30.3
3	5.0
4	4.7
5	4.7
6	0.0
7	7.4
8	2.1
9	8.8
10	4.8
11	GND
12	5.9
13	5.5
14	5.0
15	6.1
16	0.0
17	0.0
18	5.0
19	0.0
20	N/C
21	4.5
22	4.5

All voltages are in V

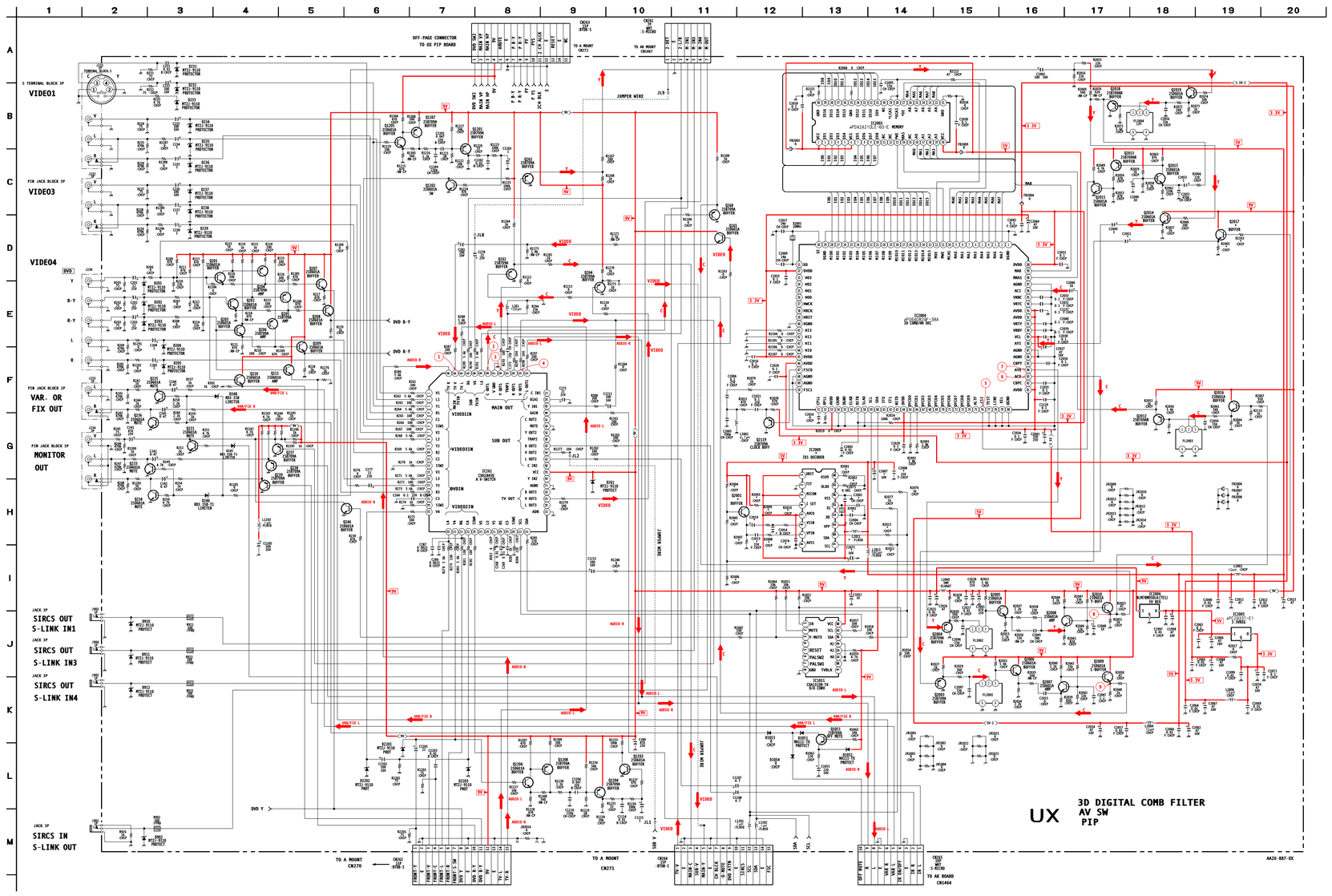
A BOARD TRANSISTOR VOLTAGE LIST

Q001		Q007		Q301		Q310		Q359		Q501		Q512		Q1302	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	5.0	B	5.0	B	-0.7	B	3.7	B	1.6	B	-0.8	B	-14.1	B	0.2
C	0.7	C	0.0	C	3.5	C	2.0	C	GND	C	107.4	C	27.4	C	11.7
E	5.0	E	5.0	E	GND	E	4.3	E	2.3	E	GND	E	-13.9	E	0.7
Q002		**Q008**		**Q303**		**Q311**		**Q361**		**Q502**		**Q561**		**Q1303**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	4.7	B	0.0	B	4.3	B	3.7	B	7.6	B	-0.2	B	0.0	B	4.9
C	9.3	C	0.0	C	10.5	C	GND	C	11.7	C	135.0	C	5.8	C	11.7
E	4.1	E	GND	E	3.7	E	4.3	E	6.9	E	GND	E	GND	E	4.3
Q003		**Q009**		**Q304**		**Q313**		**Q362**		**Q503**		**Q562**		**Q1352**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	-0.4	B	0.0	B	1.3	B	4.3	B	5.7	B	0.0	B	-0.2	B	-2.2
C	4.0	C	3.6	C	GND	C	9.0	C	11.7	C	8.2	C	0.0	C	10.6
E	GND	E	GND	E	1.9	E	3.7	E	6.3	E	GND	E	GND	E	GND
Q004		**Q016**		**Q305**		**Q314**		**Q364**		**Q504**		**Q1102**		**Q1353**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	5.0	B	5.8	B	1.2	B	4.3	B	10.1	B	-1.1	B	5.8	B	11.9
C	GND	C	9.4	C	GND	C	9.0	C	4.9	C	0.0	C	8.9	C	0.5
E	5.0	E	5.1	E	1.9	E	3.7	E	10.7	E	GND	E	5.1	E	11.7
Q005		**Q103**		**Q306**		**Q351**		**Q369**		**Q507**		**Q1103**		**Q1354**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	0.0	B	4.3	B	1.1	B	6.6	B	3.1	B	0.3	B	0.0	B	-0.1
C	5.0	C	4.9	C	GND	C	9.0	C	9.0	C	0.3	C	5.0	C	0.0
E	0.0	E	5.0	E	1.8	E	5.9	E	2.5	E	GND	E	GND	E	GND
Q006		**Q104**		**Q307**		**Q352**		**Q370**		**Q511**		**Q1301**		All voltages are in V	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt		
B	0.0	B	5.0	B	5.1	B	5.0	B	2.3	B	-13.6	B	1.2		
C	5.0	C	0	C	9.4	C	9.4	C	11.8	C	-11.1	C	GND		
E	GND	E	5.0	E	4.4	E	4.3	E	1.8	E	-13.9	E	1.9		

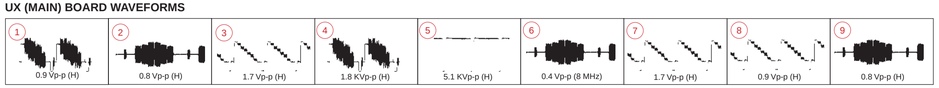
A BOARD WAVEFORMS

1	2	3	4	5	6	7
1.9 Vp-p (H)	4.9 Vp-p (H)	5.6 Vp-p (H)	5.2 KVp-p (H)	3.9 Vp-p (8 MHz)	0.9 Vp-p (H)	1.7 Vp-p (H)
8	9	10	11	12	13	14
3.6 Vp-p (H)	2.9 Vp-p (H)	2.8 Vp-p (H)	2.6 Vp-p (H)	192.0 Vp-p (H)	51.6 Vp-p (H)	1.08 Vp-p (H)
15	16	17	18	19		
8.7 Vp-p (V)	53.7 Vp-p (V)	5.7 Vp-p (V)	178.7 Vp-p (H)	52.2 Vp-p (V)		

UX (MAIN) BOARD SCHEMATIC DIAGRAM (KV-36FV16/36FV26 ONLY)



UX (MAIN) BOARD WAVEFORMS



UX (MAIN) BOARD IC VOLTAGE LIST

IC261		29	4.5	59	4.5	5	1.6	35	GND	23	1.5	53	3.3	83	1.7	IC2009	
pin	volt	30	0.0	60	N/C	6	5.0	36	1.7	24	1.5	54	GND	84	1.7	pin	volt
1	4.5	31	4.7	61	4.5	7	1.4	37	1.7	25	1.5	55	GND	85	1.0	1	4.8
2	4.5	32	4.7	62	4.5	8	1.6	38	1.7	26	1.7	56	N/C	86	GND	2	GND
3	4.5	33	GND	63	4.5	9	1.7	39	1.7	27	1.7	57	4.0	87	GND	3	4.8
4	4.5	34	4.6	64	4.5	10	1.0	40	GND	28	1.7	58	GND	88	2.2	4	1.4
5	4.5	35	4.2	IC1051		11	N/C	IC2004		29	GND	59	4.7	89	0.0	5	4.8
6	4.5	36	4.6	pin	volt	12	N/C	pin	volt	30	1.5	60	4.7	90	N/C	6	1.8
7	4.5	37	GND	1	8.9	13	2.9	1	GND	31	1.5	61	0.1	91	N/C	7	1.6
8	4.5	38	N/C	2	8.9	14	0.5	2	1.5	32	3.3	62	N/C	92	3.3	8	GND
9	N/C	39	8.9	3	0.4	15	N/C	3	1.5	33	N/C	63	N/C	93	3.3	9	4.7
10	4.5	40	N/C	4	N/C	16	1.5	4	1.5	34	N/C	64	3.3	94	3.3	10	4.7
11	N/C	41	4.6	5	6.1	17	1.5	5	1.5	35	N/C	65	0.0	95	3.3	11	4.8
12	0.0	42	4.4	6	N/C	18	1.5	6	1.5	36	N/C	66	0.0	96	0.0	12	2.5
13	N/C	43	4.4	7	N/C	19	1.5	7	1.5	37	N/C	67	1.9	97	0.0	13	2.4
14	4.5	44	N/C	8	GND	20	5.0	8	1.5	38	N/C	68	1.9	98	0.5	14	GND
15	4.5	45	N/C	9	6.0	21	GND	9	1.5	39	N/C	69	1.9	99	1.7	15	0
16	4.5	46	GND	10	N/C	22	1.7	10	1.0	40	GND	70	1.8	100	3.3	16	4.8
17	4.5	47	N/C	11	GND	23	1.5	11	2.8	41	0.0	71	1.6	IC2005			
18	0.0	48	GND	12	8.9	24	1.6	12	2.5	42	0.0	72	2.0	pin	volt		
19	4.5	49	4.5	13	GND	25	1.6	13	1.3	43	0.0	73	1.7	IN	5.0		
20	4.5	50	4.5	14	4.7	26	1.6	14	1.4	44	0.0	74	1.5	OUT	3.3		
21	4.5	51	N/C	15	4.7	27	2.5	15	1.8	45	3.3	75	1.7	GND	GND		
22	4.5	52	4.6	16	8.9	28	1.0	16	1.6	46	3.3	76	4.4	IC2006			
23	4.5	53	4.4	IC2003		29	1.0	17	1.6	47	1.9	77	GND	pin	volt		
24	4.5	54	4.6	pin	volt	30	N/C	18	1.7	48	GND	78	GND	IN	8.9		
25	N/C	55	4.4	1	5.0	31	1.4	19	1.7	49	GND	79	GND	OUT	5.0		
26	N/C	56	4.4	2	1.7	32	1.5	20	1.7	50	1.5	80	GND	GND	GND		
27	4.5	57	GND	3	1.7	33	1.9	21	1.0	51	N/C	81	3.3				
28	4.5	58	4.4	4	1.7	34	1.6	22	1.6	52	N/C	82	1.0				

All voltages are in V

UX (MAIN) BOARD TRANSISTOR VOLTAGE LIST

Q201		Q208		Q235		Q263		Q1203		Q2003		Q2010		Q2017	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	2.6	B	3.9	B	0.1	B	4.5	B	0.0	B	1.7	B	5.2	B	4.6
C	2.6	C	8.9	C	0	C	GND	C	4.4	C	GND	C	8.3	C	8.3
E	8.8	E	3.2	E	GND	E	5.1	E	GND	E	2.4	E	4.3	E	3.9
Q202		**Q209**		**Q236**		**Q264**		**Q1204**		**Q2004**		**Q2011**		**Q2018**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	2.6	B	3.9	B	0.1	B	4.2	B	8.4	B	1.7	B	0.1	B	1.2
C	7.9	C	8.9	C	0	C	GND	C	0.0	C	GND	C	4.4	C	GND
E	2.0	E	3.2	E	GND	E	4.8	E	8.9	E	2.3	E	GND	E	1.9
Q203		**Q210**		**Q237**		**Q265**		**Q1205**		**Q2005**		**Q2012**		**Q2019**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	2.6	B	2.6	B	4.4	B	4.7	B	4.4	B	2.8	B	1.8	B	1.9
C	7.9	C	8.9	C	GND	C	8.9	C	8.9	C	8.3	C	GND	C	0.0
E	2.0	E	2.0	E	5.1	E	4.1	E	3.9	E	2.2	E	2.5	E	2.3
Q204		**Q211**		**Q238**		**Q268**		**Q1206**		**Q2006**		**Q2013**		**Q2119**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	8.8	B	2.6	B	4.6	B	4.5	B	4.4	B	7.0	B	4.9	B	1.9
C	8.8	C	8.9	C	GND	C	GND	C	8.9	C	8.9	C	0.5	C	GND
E	2.6	E	2.0	E	5.2	E	5.1	E	3.8	E	6.4	E	5.0	E	2.3
Q205		**Q231**		**Q239**		**Q1051**		**Q1207**		**Q2007**		**Q2014**			
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt		
B	7.9	B	0	B	4.6	B	8.9	B	8.9	B	2.2	B	5.2		
C	3.9	C	5.1	C	GND	C	-0.1	C	3.8	C	4.4	C	8.3		
E	8.5	E	GND	E	5.2	E	8.8	E	9.0	E	1.6	E	4.6		
Q206		**Q233**		**Q246**		**Q1201**		**Q1208**		**Q2008**		**Q2015**			
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt		
B	7.9	B	0.2	B	0.4	B	8.4	B	8.9	B	2.1	B	3.4		
C	3.9	C	0	C	5.1	C	0	C	3.8	C	5.2	C	4.9		
E	8.6	E	GND	E	GND	E	8.9	E	9.0	E	1.5	E	3.6		
Q207		**Q234**		**Q262**		**Q1202**		**Q2001**		**Q2009**		**Q2016**			
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt		
B	2.6	B	0.2	B	3.8	B	0.0	B	3.3	B	4.4	B	2.6		
C	1.9	C	0	C	GND	C	4.4	C	4.9	C	8.9	C	8.3		
E	8.9	E	GND	E	4.5	E	GND	E	2.7	E	3.8	E	2.0		

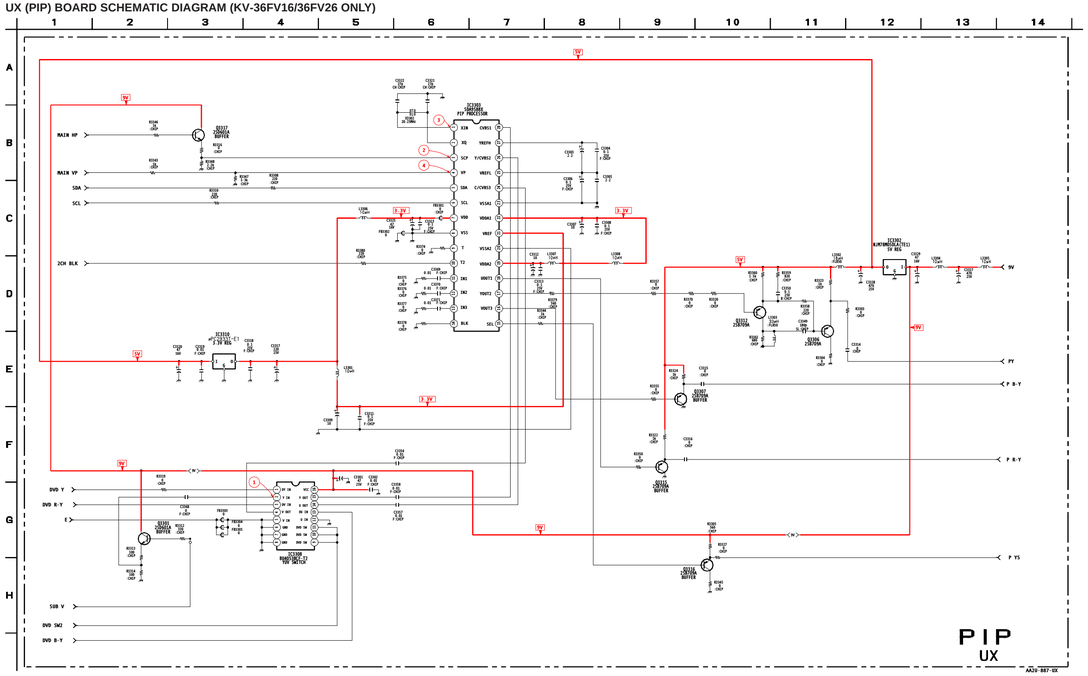
All voltages are in V

UX (MAIN) BOARD MARK (*) LIST

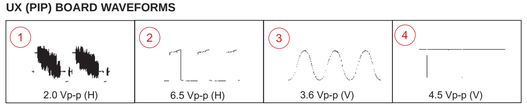
REF. NO.	LOCATION	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FV16	KV-36FV26
C2001	H-13	#	22PF	R2002	H-13	#	10K
C2004	H-13	#	22PF	R2003	H-12	#	33K
C2007	G-14	#	1000µF 10V	R2004	H-11	#	2.2K
C2008	G-14	#	0.1µF 25V	R2005	H-11	#	0
C2013	H-12	#	0.1µF 25V	R2006	I-11	#	4.7K
C2014	H-12	#	0.001µF	R2007	H-12	#	470
C2019	H-12	#	1µF	R2008	H-12	#	100
C2051	D-17	#	10µF	R2009	H-12	#	100
C2072	I-13	#	100µF 16V	R2010	H-12	#	10
C2074	H-12	#	0.001µF	R2022	I-14	#	1K
IC2009	H-13	#	CXD2085M-T4	R2023	H-14	#	1K
L2001	G-12	#	560µH	R2065	D-19	#	1K
Q2001	H-12	#	2SD601A-QRS-TX	R2103	D-19	#	47
Q2017	D-19	#	2SD601A-QRS-TX	X2002	H-13	#	1-767-367-21
R2001	G-13	#	10K				

#: Not Mounted

UX (PIP) BOARD SCHEMATIC DIAGRAM (KV-36FV16/36FV26 ONLY)



UX (PIP) BOARD WAVEFORMS



UX (PIP) BOARD IC VOLTAGE LIST

IC3302		18	0.5	12	2.7
pin	volt	19	3.3	13	3.2
IN	8.7	20	GND	14	2.7
OUT	5.1	21	3.3	15	2.7
GND	GND	22	3.3	16	8.5
IC3303		23	GND	**IC3310**	
pin	volt	24	2.7	pin	volt
1	3.6	25	1.5	IN	5.0
2	3.6	26	2.7	OUT	3.3
3	6.5	27	1.5	GND	GND
4	4.5	28	2.7		
5	4.7	**IC3308**			
6	4.7	pin	volt		
7	3.3	1	3.5		
8	0.1	2	2.7		
9	1.2	3	3.2		
10	3.3	4	2.7		
11	1.2	5	2.7		
12	1.2	6	GND		
13	1.2	7	GND		
14	1.2	8	GND		
15	0.0	9	0.3		
16	0.1	10	0.3		
17	0.0	11	0.3		

All voltages are in V

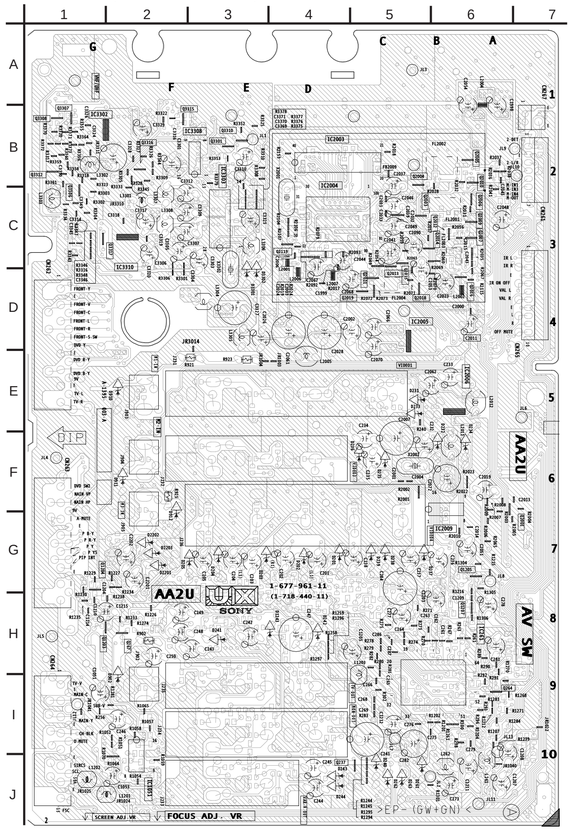
UX (PIP) BOARD TRANSISTOR VOLTAGE LIST

Q3301		Q3307		Q3315		Q3317	
pin	volt	pin	volt	pin	volt	pin	volt
B	5.2	B	0.1	B	0.5	B	0.2
C	8.6	C	GND	C	1.2	C	0.7
E	4.5	E	0.7	E	GND	E	8.7
Q3306		**Q3312**		**Q3316**			
pin	volt	pin	volt	pin	volt		
B	0.6	B	0	B	0		
C	0	C	0	C	0.8		
E	1.2	E	0.6	E	0		

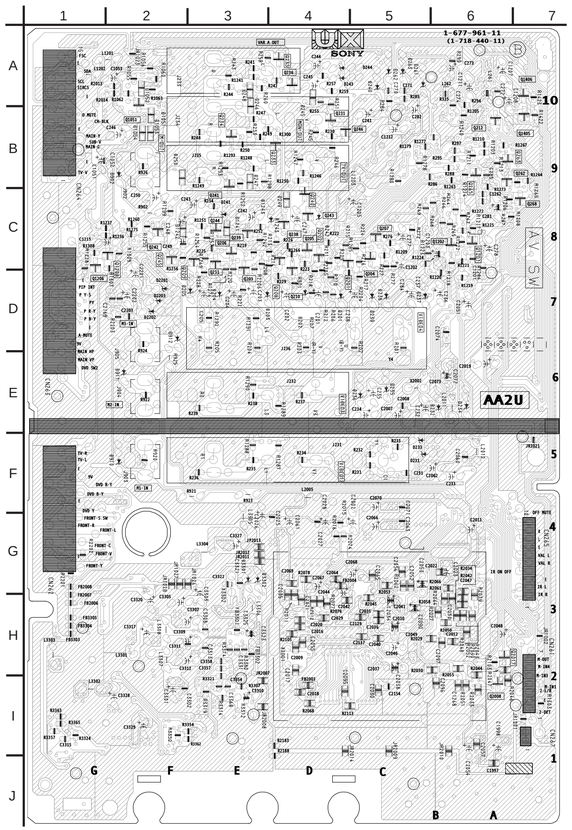
All voltages are in V

UX [3D DIGITAL COMB FILTER, AV SW, PIP]

COMPONENT SIDE (KV-36FV16/36FV26 ONLY)



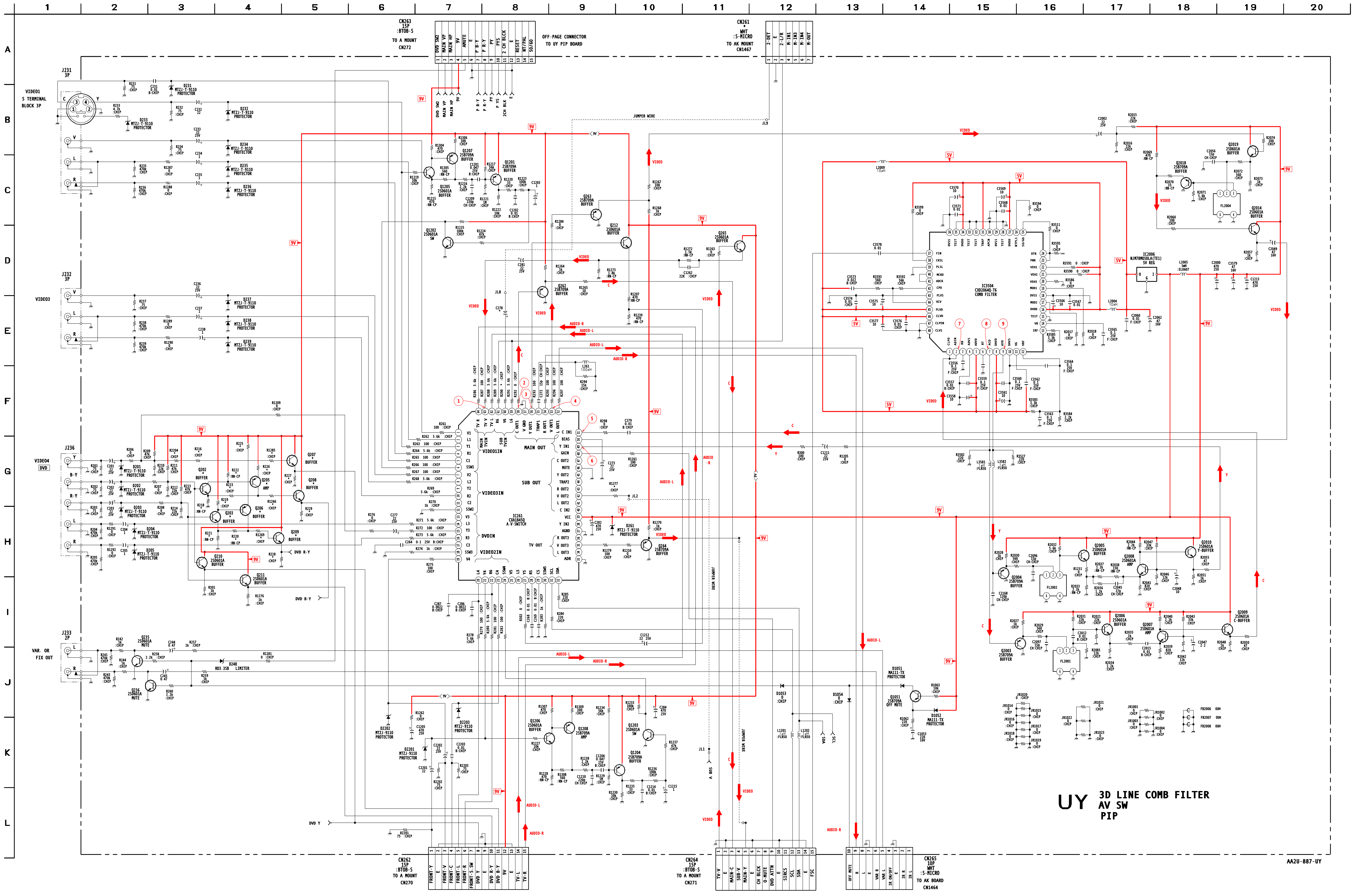
CONDUCTOR SIDE (KV-36FV16/36FV26 ONLY)



UX BOARD LOCATOR LIST

DIODE			D245	--	B-5		IC		Q202	--	C-4	Q237	J-4	--	Q1206	--	D-1	Q2014	C-5	--
	COMP	COND	D246	--	B-3	IC261	H-6	--	Q203	--	D-3	Q238	--	C-4	Q1207	H-6	--	Q2015	D-5	--
D201	G-4	--	D248	--	A-3	IC1051	J-3	--	Q204	--	D-5	Q239	--	C-3	Q1208	--	C-2	Q2016	D-6	--
D202	G-4	--	D261	--	A-5	IC2003	B-4	--	Q205	--	C-4	Q246	--	B-4	Q2001	G-7	--	Q2017	--	H-6
D203	G-3	--	D902	I-2	--	IC2004	C-4	--	Q206	--	C-3	Q262	--	B-7	Q2003	C-5	--	Q2018	D-5	--
D204	G-3	--	D910	E-2	--	IC2005	D-5	--	Q207	--	C-5	Q263	--	B-6	Q2004	B-5	--	Q2019	D-4	--
D205	--	D-3	D911	--	E-2	IC2006	E-6	--	Q208	--	D-3	Q264	I-6	--	Q2005	B-6	--	Q2119	C-4	--
D231	E-5	--	D912	G-2	--	IC2009	F-5	--	Q209	--	C-2	Q265	--	B-6	Q2006	C-6	--	Q3301	B-3	--
D232	E-6	--	D1051	--	B-2	IC3302	B-1	--	Q210	--	D-4	Q268	--	C-7	Q2007	C-6	--	Q3306	B-1	--
D233	E-5	--	D1052	--	A-2	IC3303	B-3	--	Q211	--	C-4	Q1051	--	B-2	Q2008	--	I-6	Q3307	B-1	--
D234	E-6	--	D1053	--	B-2	IC3308	B-2	--	Q231	--	B-4	Q1201	--	C-6	Q2009	C-6	--	Q3312	B-1	--
D235	F-5	--	D1054	--	B-2	IC3310	B-3	--	Q233	--	B-4	Q1202	--	C-5	Q2010	B-6	--	Q3315	B-2	--
D236	E-5	--	D2201	--	D-2	**TRANSISTOR**			Q234	--	B-3	Q1203	H-2	--	Q2011	D-5	--	Q3316	B-2	--
D237	G-5	--	D2202	--	D-2		COMP	COND	Q235	--	A-4	Q1204	G-2	--	Q2012	C-5	--	Q3317	C-2	--
D238	G-5	--	D2203	--	D-2	Q201	D-4	--	Q236	--	A-4	Q1205	G-6	--	Q2013	C-5	--			
D239	G-5	--																		

UY (MAIN) BOARD SCHEMATIC DIAGRAM (KV-36FS12/36FS16 ONLY)



UX PIP Board UY Main Board

UY (MAIN) BOARD TRANSISTOR VOLTAGE LIST

Q202		Q209		Q262		Q1202		Q1208		Q2008	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	2.7	B	4	B	4.6	B	0	B	8.9	B	2.3
C	8.1	C	9.1	C	GND	C	4.4	C	3.8	C	4.6
E	2.1	E	3.4	E	5.2	E	GND	E	9.0	E	1.6
Q203		**Q210**		**Q263**		**Q1203**		**Q2003**		**Q2009**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	2.7	B	2.7	B	4.6	B	0	B	1.1	B	4.4
C	8.1	C	9.1	C	GND	C	4.4	C	GND	C	9.1
E	2.1	E	2.1	E	5.2	E	GND	E	1.8	E	3.7
Q205		**Q211**		**Q264**		**Q1204**		**Q2004**		**Q2010**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	8.1	B	2.7	B	4.4	B	8.6	B	1.1	B	4.6
C	4.1	C	9.1	C	GND	C	0	C	GND	C	9.1
E	8.7	E	2.1	E	5.0	E	9.1	E	1.8	E	3.9
Q206		**Q212**		**Q265**		**Q1205**		**Q2005**		**Q2014**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	8.1	B	4.6	B	4.5	B	4.6	B	4.5	B	5.1
C	4.1	C	9.1	C	9.1	C	9.1	C	9.1	C	9.1
E	8.7	E	3.9	E	3.8	E	4.0	E	3.8	E	4.4
Q207		**Q235**		**Q1051**		**Q1206**		**Q2006**		**Q2018**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	2.6	B	-0.1	B	9.1	B	4.6	B	4.5	B	4.1
C	1.9	C	0	C	-1.4	C	9.1	C	9.1	C	GND
E	8.9	E	GND	E	9.0	E	4.0	E	3.9	E	4.8
Q208		**Q236**		**Q1201**		**Q1207**		**Q2007**		**Q2019**	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	4	B	-0.1	B	8.6	B	8.9	B	2.3	B	5.2
C	9.1	C	0	C	0	C	3.8	C	4.4	C	9.1
E	3.4	E	GND	E	9.1	E	9.0	E	1.7	E	4.5

All Voltages are in V

UY (MAIN) BOARD MARK (*) LIST

REF. NO.	LOCATION	KV-36FS12	KV-36FS16
CN261	A-11	#	7P
Q202	G-3	#	2SD601A-QRS-TX
Q203	H-4	#	2SD601A-QRS-TX
Q205	G-4	#	2SB709A-QRS-TX
Q206	H-4	#	2SB709A-QRS-TX
Q207	G-5	#	2SD601A-QRS-TX
Q208	G-5	#	2SD601A-QRS-TX
Q209	H-5	#	2SD601A-QRS-TX
R216	G-3	#	100
R218	G-3	#	470
R219	G-4	#	1K
R220	H-4	#	100
R221	H-4	#	470
R222	G-4	#	1K
R223	G-4	#	100
R225	G-4	#	100
R226	G-4	#	100
R227	G-5	#	470
R228	H-5	#	1K
R229	H-5	#	1K
R290	F-8	#	100
R1266	G-4	#	470
R1269	H-4	#	470
R1277	G-9	#	100
R1285	G-4	#	470
R2204	G-3	#	0

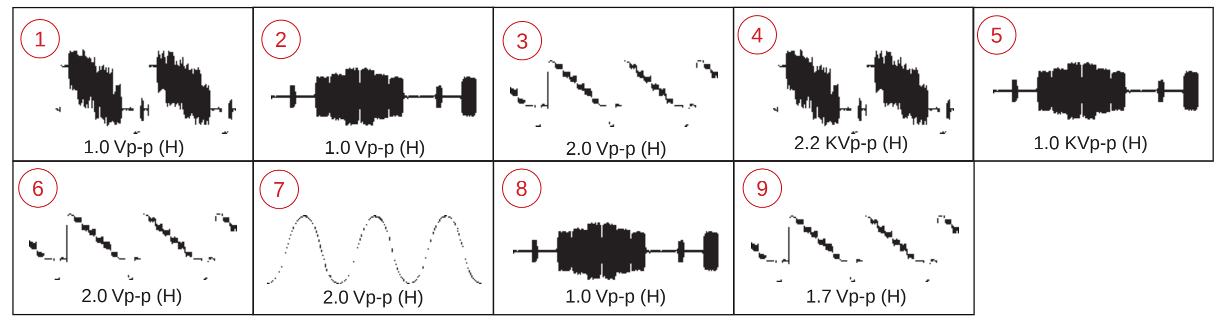
#: Not Mounted

UY (MAIN) BOARD IC VOLTAGE LIST

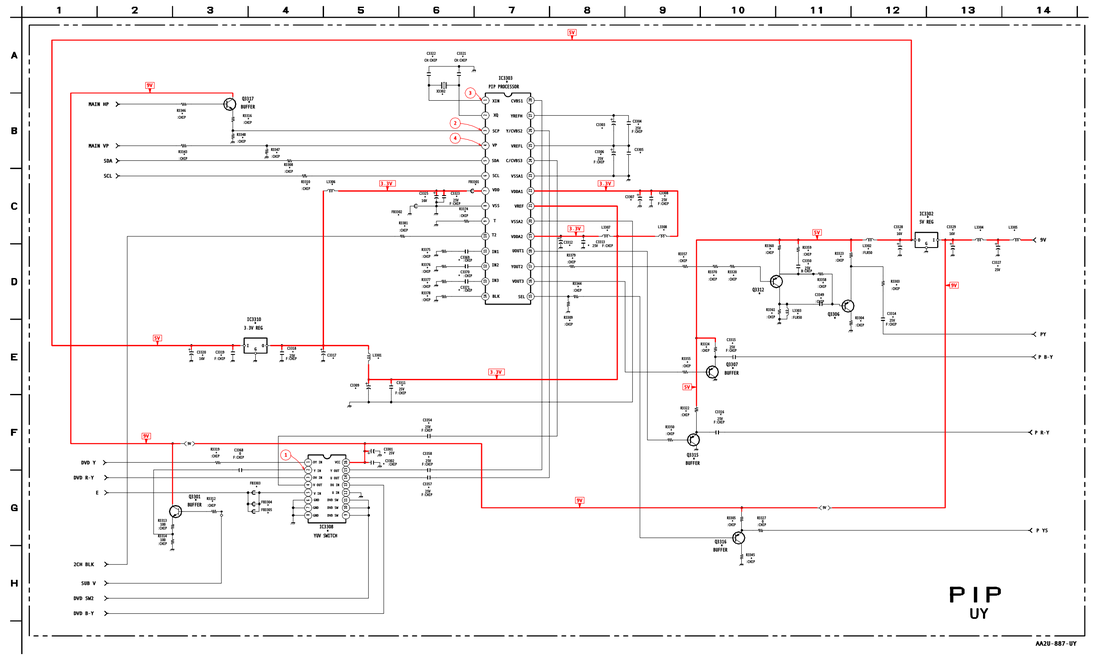
IC261		26	NC	53	4.4	9	1.0	36	GND
pin	volt	27	4.5	54	4.6	10	0	37	2.3
1	4.5	28	4.5	55	4.4	11	2.7	38	4.8
2	4.5	29	4.5	56	4.4	12	2.0	39	GND
3	4.5	30	0	57	GND	13	2.0	40	2.2
4	4.5	31	4.7	58	4.4	14	1.0	41	2.2
5	4.5	32	4.7	59	4.5	15	GND	42	3.3
6	4.5	33	GND	60	4.5	16	4.8	43	0
7	4.5	34	NC	61	4.5	17	0.3	44	3.3
8	4.5	35	4.2	62	4.5	18	GND	45	4.8
9	NC	36	NC	63	4.5	19	0.3	46	4.8
10	4.5	37	GND	64	4.5	20	0	47	GND
11	NC	38	NC	**IC2006**		21	4.8	48	GND
12	0	39	9	pin	volt	22	4.8		
13	4.5	40	NC	IN	9.0	23	0		
14	4.5	41	NC	OUT	4.9	24	0		
15	4.5	42	4.4	GND	GND	25	0		
16	4.5	43	NC	**IC3504**		26	0		
17	4.5	44	NC	pin	volt	27	4.8		
18	0	45	NC	1	1.4	28	GND		
19	4.5	46	GND	2	1.4	29	GND		
20	4.5	47	NC	3	0.5	30	GND		
21	4.5	48	GND	4	0	31	GND		
22	4.5	49	4.5	5	4.8	32	GND		
23	4.5	50	4.5	6	2.6	33	GND		
24	NC	51	4.5	7	1.0	34	4.8		
25	NC	52	4.6	8	4.8	35	GND		

All voltages are in V

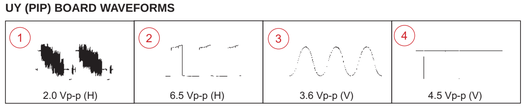
UY (MAIN) BOARD WAVEFORMS



UY PIP BOARD SCHEMATIC DIAGRAM (KV-36FS12/36FS16 ONLY)



UY (PIP) BOARD WAVEFORMS



UY (PIP) BOARD IC VOLTAGE LIST

IC3302		11	1.2	28	2.7	15	2.7
pin	volt	12	1.2	IC3308		16	8.5
IN	8.7	13	1.2	pin	volt	IC3310	
OUT	5.1	14	1.2	1	3.5	pin	volt
GND	GND	15	0.0	2	2.7	IN	5.0
IC3303		16	0.1	3	3.2	OUT	3.3
pin	volt	17	0.0	4	2.7	GND	GND
1	3.6	18	0.5	5	2.7		
2	3.6	19	3.3	6	GND		
3	6.5	20	GND	7	GND		
4	4.5	21	3.3	8	GND		
5	4.7	22	3.3	9	0.3		
6	4.7	23	GND	10	0.3		
7	3.3	24	2.7	11	0.3		
8	0.1	25	1.5	12	2.7		
9	1.2	26	2.7	13	3.2		
10	3.3	27	1.5	14	2.7		

All voltages are in V

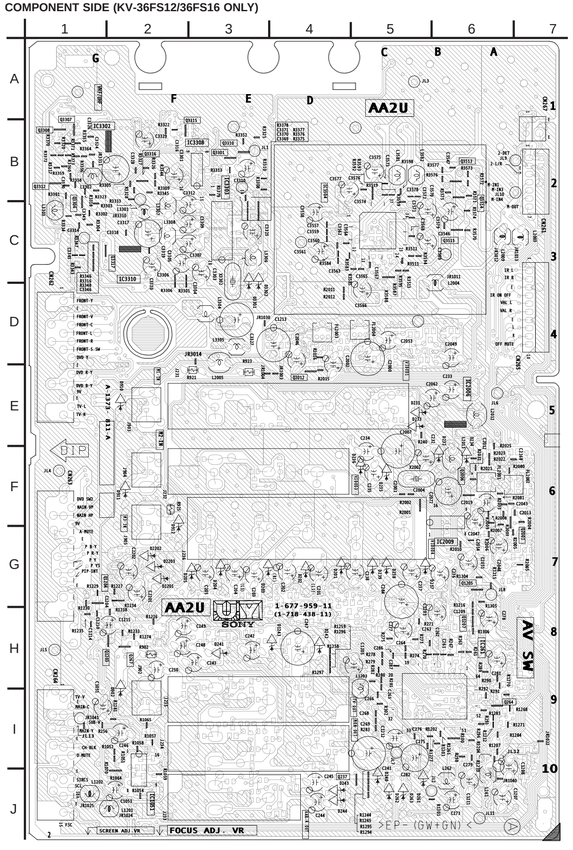
UY (PIP) BOARD TRANSISTOR VOLTAGE LIST

Q3301		Q3306		Q3307		Q3312		Q3315		Q3316		Q3317	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	5.2	B	0.6	B	0.1	B	0.0	B	0.5	B	0.0	B	0.2
C	8.6	C	0.0	C	GND	C	0.0	C	1.2	C	0.8	C	0.7
E	4.5	E	1.2	E	0.7	E	0.6	E	GND	E	0.0	E	8.7

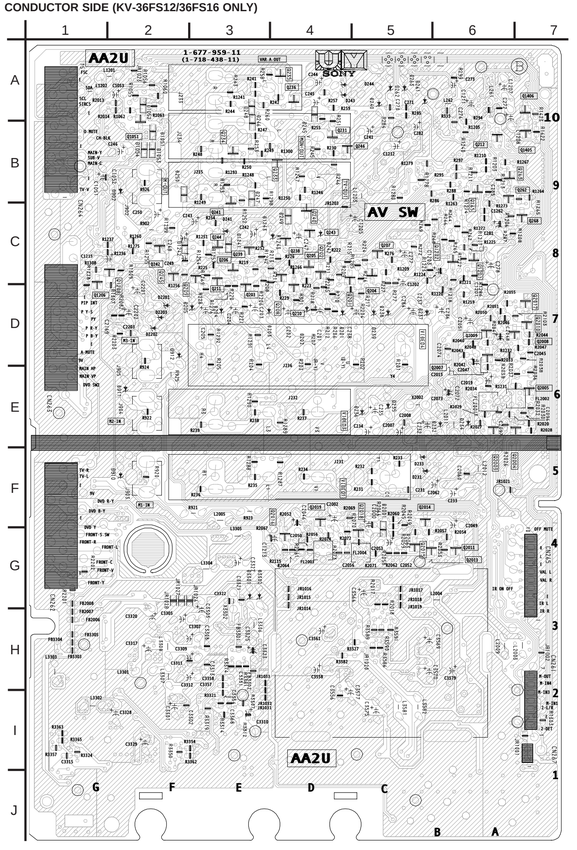
UY

[3D DIGITAL, COMB FILTER, AV SW, AUDIO CONTROL, SRS, PIP ENCODE, CHROMA DECODE]

COMPONENT SIDE (KV-36FS12/36FS16 ONLY)



CONDUCTOR SIDE (KV-36FS12/36FS16 ONLY)



UY (PIP) BOARD MARK (*) LIST

REF. NO.	LOCATION	KV-36FS12	KV-36FS16	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	REF. NO.	LOCATION	KV-36FS12	KV-36FS16
C3301	F-5	#	47µF 25V	C3319	E-3	#	.01µF	C3371	D-6	#	.01µF
C3302	F-5	#	.01µF	C3320	E-3	#	47µF	FB3301	C-7	#	0
C3303	B-8	#	2.2µF	C3321	A-6	#	27PF	FB3302	C-6	#	0µH
C3304	B-9	#	.1µF 25V	C3322	A-6	#	27PF	FB3303	G-4	#	0µH
C3305	B-9	#	2.2µF	C3323	C-6	#	.1µF 25V	FB3304	G-4	#	0µH
C3306	B-8	#	.1µF 25V	C3325	C-6	#	47µF 16V	FB3305	G-4	#	0µH
C3307	C-9	#	10µF	C3327	D-13	#	470µF 25V	IC3302	C-13	#	NJM78M05DLA (TE1)
C3308	C-9	#	.1µF 25V	C3328	C-12	#	470µF 10V	IC3303	A-7	#	SDA9588X
C3309	E-5	#	10µF	C3329	C-13	#	47µF 16V	IC3308	F-5	#	BU4053BCF-T2
C3311	E-5	#	.1µF 25V	C3349	D-11	#	180PF	IC3310	E-4	#	UPC2933T-E1
C3312	D-8	#	10µF	C3350	D-11	#	.1µF 25V	L3301	D-5	#	10µH
C3313	D-8	#	.1µF 25V	C3354	F-6	#	.01µF	L3302	D-12	#	18µH
C3314	B-8	#	0	C3357	G-6	#	.01µF	L3303	D-11	#	33µH
C3315	E-10	#	0	C3358	G-6	#	.01µF	L3304	C-13	#	10µH
C3316	F-10	#	0	C3368	F-3	#	0	L3305	C-13	#	10µH
C3317	E-5	#	220µF 25V	C3369	D-6	#	.01µF	L3306	C-5	#	10µH
C3318	E-4	#	.1µF 25V	C3370	D-6	#	.01µF	L3307	C-8	#	10µH

REF. NO.	LOCATION	KV-36FS12	KV-36FS16
L3308	C-8	#	10µH
Q3301	G-3	#	2SD601A-QRS-TX
Q3306	D-12	#	2SB709A-QRS-TX
Q3307	E-10	#	2SB709A-QRS-TX
Q3312	F-9	#	2SB709A-QRS-TX
Q3315	F-9	#	2SB709A-QRS-TX
Q3316	H-10	#	2SB709A-QRS-TX
Q3317	B-3	#	2SD601A-QRS-TX
R3303	D-12	#	0
R3304	D-12	#	0
R3305	G-10	#	560
R3308	B-4	#	220
R3309	D-8	#	470
R3310	C-4	#	220
R3312	G-3	#	330
R3313	G-2	#	470
R3314	G-2	#	470

REF. NO.	LOCATION	KV-36FS12	KV-36FS16
R3316	B-3	#	0
R3319	F-3	#	0
R3320	D-10	#	0
R3322	F-9	#	1K
R3323	D-11	#	1K
R3324	E-10	#	1K
R3343	B-3	#	1K
R3344	D-8	#	1K
R3345	H-10	#	0
R3346	B-3	#	1K
R3347	B-4	#	3.3K
R3348	B-3	#	2.2K
R3350	F-9	#	0
R3355	E-9	#	0
R3357	D-9	#	0
R3358	D-11	#	220
R3359	D-11	#	820

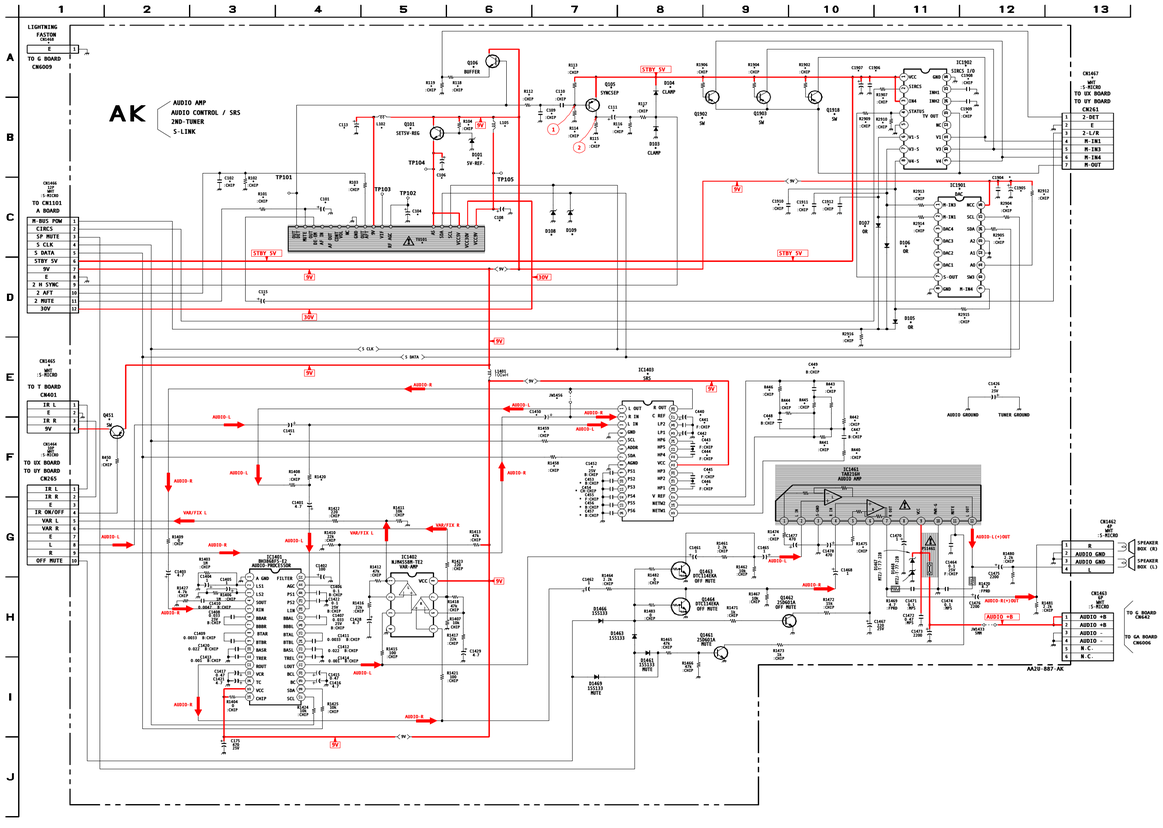
REF. NO.	LOCATION	KV-36FS12	KV-36FS16
R3360	D-11	#	1.5K
R3361	D-10	#	680
R3363	D-9	#	560
R3370	D-10	#	0
R3374	C-6	#	0
R3375	D-6	#	0
R3376	D-6	#	0
R3377	D-6	#	0
R3378	D-6	#	0
R3379	D-8	#	560
R3381	C-6	#	220
X3302	A-6	#	1-781-929-21

#: Not Mounted

UY BOARD LOCATOR LIST

DIODE					COMP	COND			COMP	COND			COMP	COND			COMP	COND
	COMP	COND	D248	--	A-3	IC3308	B-2	--	Q236	--	A-4	Q2004	B-5	--	Q3316	B-2	--
D201	G-4	--	D261	--	A-3	IC3310	B-3	--	Q262	--	B-7	Q2005	B-6	--	Q3317	C-2	--
D202	G-4	--	D1051	--	B-2	IC3504	B-4	--	Q263	--	B-6	Q2006	C-6	--			
D203	G-3	--	D1052	--	A-2	TRANSISTOR			Q264	I-6		Q2007	C-6	--			
D204	G-3	--	D1053	--	B-2	Q202	--	C-4	Q265	--	B-6	Q2008	--	I-6			
D205	--	D-3	D1054	--	B-2	Q203	--	D-3	Q1051	--	B-2	Q2009	C-6	--			
D231	E-5	--	D2201	--	D-2	Q205	--	C-4	Q1201	--	C-6	Q2010	B-6	--			
D232	E-6	--	D2202	--	D-2	Q206	--	C-3	Q1202	--	C-5	Q2014	C-5	--			
D233	E-5	--	D2203	--	D-2	Q207	--	C-5	Q1203	H-2	--	Q2018	D-5	--			
D234	E-6	--	IC			Q208	--	D-3	Q1204	G-2	--	Q2019	D-4	--			
D235	F-5	--		COMP	COND	Q209	--	C-2	Q1205	G-6	--	Q3301	B-3	--			
D236	E-5	--	IC261	H-6	--	Q210	--	D-4	Q1206	--	D-1	Q3306	--	B-1			
D237	G-5	--	IC2006	E-6	--	Q211	--	C-4	Q1207	H-6	--	Q3307	B-1	--			
D238	G-5	--	IC3302	B-1	--	Q212	--	C-2	Q1208	--	C-2	Q3312	B-1	--			
D239	G-5	--	IC3303	B-3	--	Q235	--	A-4	Q2003	C-5	--	Q3315	B-2	--			

AK BOARD SCHEMATIC DIAGRAM

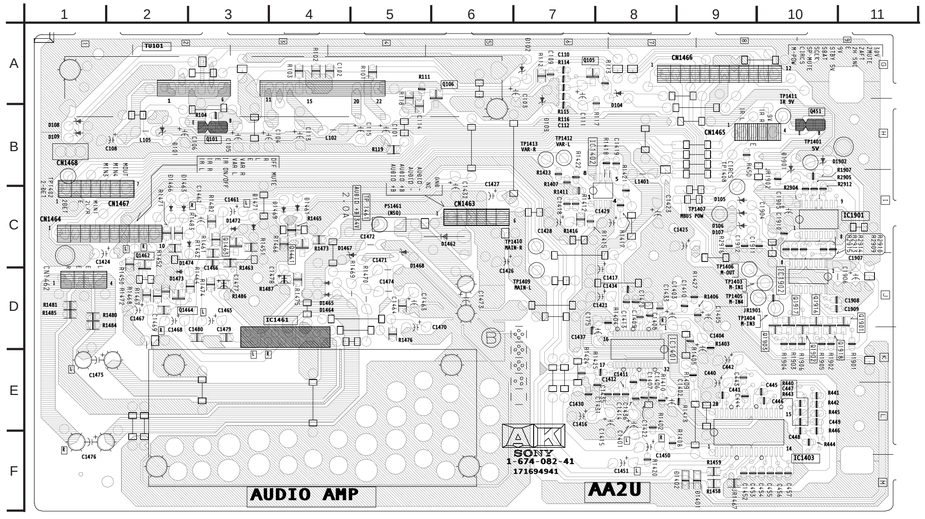


AK BOARD LOCATOR LIST

DIODE		IC1402	B-6
D101	A-2	IC1403	E-8
D103	A-6	IC1461	D-3
D104	A-6	IC1901	B-8
D105	B-8	IC1902	C-8
D106	B-8	**TRANSISTOR**	
D107	C-8	Q101	A-2
D108	A-1	Q105	A-6
D109	B-1	Q106	A-4
D1461	B-3	Q1461	C-3
D1463	B-2	Q1462	C-2
D1466	B-2	Q1463	C-2
D1467	C-4	Q1464	C-2
D1468	C-4	Q1902	D-8
D1469	C-4	Q1903	D-9
IC		Q1918	D-9
IC1401	D-6		

AK

[AUDIO AMP, AUDIO CONTROL/SRS, 2ND-TUNER, S-LINK]



AK BOARD IC VOLTAGE LIST

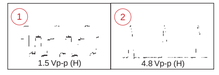
IC1401		12	4.5	25	4.5	4	GND	7	4.7	20	4.5	3	NC	2	0.4	15	4.7	10	0.7
pin	volt	13	1.0	26	4.5	5	4.5	8	GND	21	9.1	4	0	3	NC	16	9.3	11	0.7
1	GND	14	1.9	27	4.5	6	4.5	9	4.5	22	4.5	5	1.5	4	NC	**IC1902**		12	NC
2	0.7	15	9.1	28	4.5	7	4.5	10	4.5	23	4.5	6	11.6	5	NC	pin	volt	13	0
3	1.2	16	9.1	29	4.5	8	9.1	11	4.5	24	4.5	7	16.0	6	NC	1	5.0	14	0.4
4	4.5	17	4.7	30	4.5	**IC1403**		12	4.5	25	4.5	8	5.1	7	0.4	2	3.9	15	0.4
5	4.5	18	4.7	31	2.9	pin	volt	13	4.5	26	4.5	9	34.5	8	GND	3	5.0	16	GND
6	4.5	19	1.9	32	4.5	1	3.9	14	4.5	27	4.5	10	0	9	0	4	0.1		
7	4.5	20	1.0	**IC1402**		2	4.5	15	4.5	28	3.9	11	4.2	10	NC	5	GND		
8	4.5	21	4.5	pin	volt	3	4.5	16	4.5	**IC1461**		12	15.7	11	9.3	6	0		
9	4.5	22	4.5	1	4.5	4	GND	17	4.5	pin	volt	**IC1901**		12	0	7	0		
10	4.5	23	4.5	2	4.5	5	4.7	18	4.5	1	1.5	pin	volt	13	0	8	0		
11	0	24	4.5	3	4.5	6	NC	19	4.5	2	0	1	0	14	4.7	9	0.7		

All voltages are in V

TU101		12	N/C
pin	volt	13	N/C
1	9.3	14	N/C
2	30.2	15	N/C
3	5.1	16	3.1
4	4.7	17	0
5	0	18	4
6	5		
7	7.9		
8	0		
9	9.4		
10	7.9		
11	GND		

All voltages are in V

AK BOARD WAVEFORMS



AK BOARD MARK (*) LIST

REF. NO.	LOCATION	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26	REF. NO.	LOCATION	KV-36FS12	KV-36FS16	KV-36FV16	KV-36FV26
C101	D-4	#	1µF	1µF	1µF	C454	F-7	#	#	470PF	470PF	D103	C-8	#	1SS133T-77	1SS133T-77	1SS133T-77	R102	C-3	#	33K	33K	33K	R1458	F-7	#	#	220	220
C102	C-3	#	0.0022µF	0.0022µF	0.0022µF	C455	F-7	#	#	0.1µF 25V	0.1µF 25V	D104	B-8	#	1SS133T-77	1SS133T-77	1SS133T-77	R103	C-5	#	22K	22K	22K	R1459	F-7	#	#	220	220
C104	D-5	#	10µF	10µF	10µF	C456	G-7	#	#	0.015µF	0.015µF	D105	E-11	#	#	1SS133T-77	1SS133T-77	R104	C-6	#	1K	1K	1K	R1474	G-9	680	680	100	100
C106	C-6	#	47µF 25V	47µF 25V	47µF 25V	C457	G-7	#	#	0.0022µF	0.0022µF	D106	D-11	#	#	1SS133T-77	1SS133T-77	R112	B-7	#	2.2K	2.2K	2.2K	R1475	G-10	680	680	100	100
C108	D-6	#	1000µF 25V	1000µF 25V	1000µF 25V	C1426	E-12	#	470µF 25V	470µF 25V	470µF 25V	D107	D-11	#	#	1SS133T-77	1SS133T-77	R113	B-7	#	100K	100K	100K	R1902	B-10	#	#	10K	10K
C109	B-7	#	220PF	220PF	220PF	C1450	E-7	#	#	4.7µF	4.7µF	D108	D-7	#	MTZJ-T-77-10B	MTZJ-T-77-10B	MTZJ-T-77-10B	R114	B-7	#	1M	1M	1M	R1904	B-9	#	#	10K	10K
C110	B-7	#	0.047µF 25V	0.047µF 25V	0.047µF 25V	C1451	F-4	#	#	4.7µF	4.7µF	D109	D-7	#	MTZJ-T-77-10B	MTZJ-T-77-10B	MTZJ-T-77-10B	R115	C-7	#	10K	10K	10K	R1906	B-9	#	#	10K	10K
C111	C-7	#	1µF	1µF	1µF	C1452	F-7	#	#	0.027µF 25V	0.027µF 25V	IC1403	E-8	#	#	TDA7467D013TR	TDA7467D013TR	R116	C-8	#	10K	10K	10K	R1907	B-11	#	#	220	220
C113	C-5	#	220µF 25V	220µF 25V	220µF 25V	C1904	C-12	#	#	0.01µF	0.01µF	IC1901	D-12	#	#	CXA1315M-T4	CXA1315M-T4	R117	C-8	#	4.7K	4.7K	4.7K	R2904	D-12	#	#	220	220
C115	A-5	#	1µF	1µF	1µF	C1905	C-12	#	#	10µF	10µF	IC1902	B-11	#	#	NJM2145M-TE2	NJM2145M-TE2	R118	A-7	#	470	470	470	R2905	D-12	#	#	220	220
C440	E-8	#	#	22µF	22µF	C1906	B-11	#	#	0.01µF	0.01µF	JW1456	E-7	15MM	15MM	#	#	R119	A-7	#	560	560	560	R2909	C-11	#	#	10K	10K
C441	F-8	#	#	0.1µF 25V	0.1µF 25V	C1907	B-10	#	#	10µF	10µF	L102	C-5	#	10µH	10µH	10µH	R440	F-10	#	#	1K	1K	R2910	C-11	#	#	10K	10K
C442	F-8	#	#	1µF	1µF	C1908	B-12	#	#	0.001µF	0.001µF	L105	C-6	#	100µH	100µH	100µH	R441	F-10	#	#	130K	130K	R2912	C-12	#	#	4.7K	4.7K
C443	F-8	#	#	0.1µF 25V	0.1µF 25V	C1909	B-12	#	#	0.001µF	0.001µF	Q101	C-6	#	2SC3311A-QRSTA	2SC3311A-QRSTA	2SC3311A-QRSTA	R442	E-10	#	#	43K	43K	R2913	C-11	#	#	10K	10K
C444	F-8	#	#	1µF 16V	1µF 16V	C1910	D-10	#	#	0.001µF	0.001µF	Q105	B-7	#	2SB709A-QRS-TX	2SB709A-QRS-TX	2SB709A-QRS-TX	R443	E-10	#	#	1.5K	1.5K	R2914	D-11	#	#	10K	10K
C445	F-8	#	#	0.1µF 25V	0.1µF 25V	C1911	D-10	#	#	0.001µF	0.001µF	Q106	B-6	#	2SD601A-QRS-TX	#	2SD601A-QRS-TX	R444	E-10	#	#	47K	47K	R2915	E-12	#	#	10K	10K
C446	F-8	#	#	1µF 16V	1µF 16V	C1912	D-10	#	#	0.001µF	0.001µF	Q451	F-2	#	#	#	2SB734-T-34	R445	E-10	#	#	33K	33K	R2916	E-10	#	#	10K	10K
C447	F-10	#	#	0.47µF 16V	0.47µF 16V	CN1465	F-1	#	#	#	4P	Q1902	B-9	#	#	2SB709A-QRS-TX	2SB709A-QRS-TX	R446	E-9	#	#	3.9K	3.9K	TU101	D-5	#	8-598-501-20	8-598-501-20	8-598-501-20
C448	E-9	#	#	0.0047µF	0.0047µF	CN1467	C-13	#	7P	7P	7P	Q1903	B-9	#	#	2SB709A-QRS-TX	2SB709A-QRS-TX	R450	F-2	#	#	#	10K						
C449	E-10	#	#	0.47µF 16V	0.47µF 16V	CN1468	B-13	#	1P	1P	1P	Q1918	B-10	#	#	2SB709A-QRS-TX	2SB709A-QRS-TX	R1408	F-3	#	#	0	0						
C453	F-7	#	#	0.0047µF	0.0047µF	D101	C-6	#	MTZJ-T-77-5.6C	MTZJ-T-77-5.6C	MTZJ-T-77-5.6C	R101	D-4	#	4.7K	4.7K	4.7K	R1420	F-4	0	0	#	#						

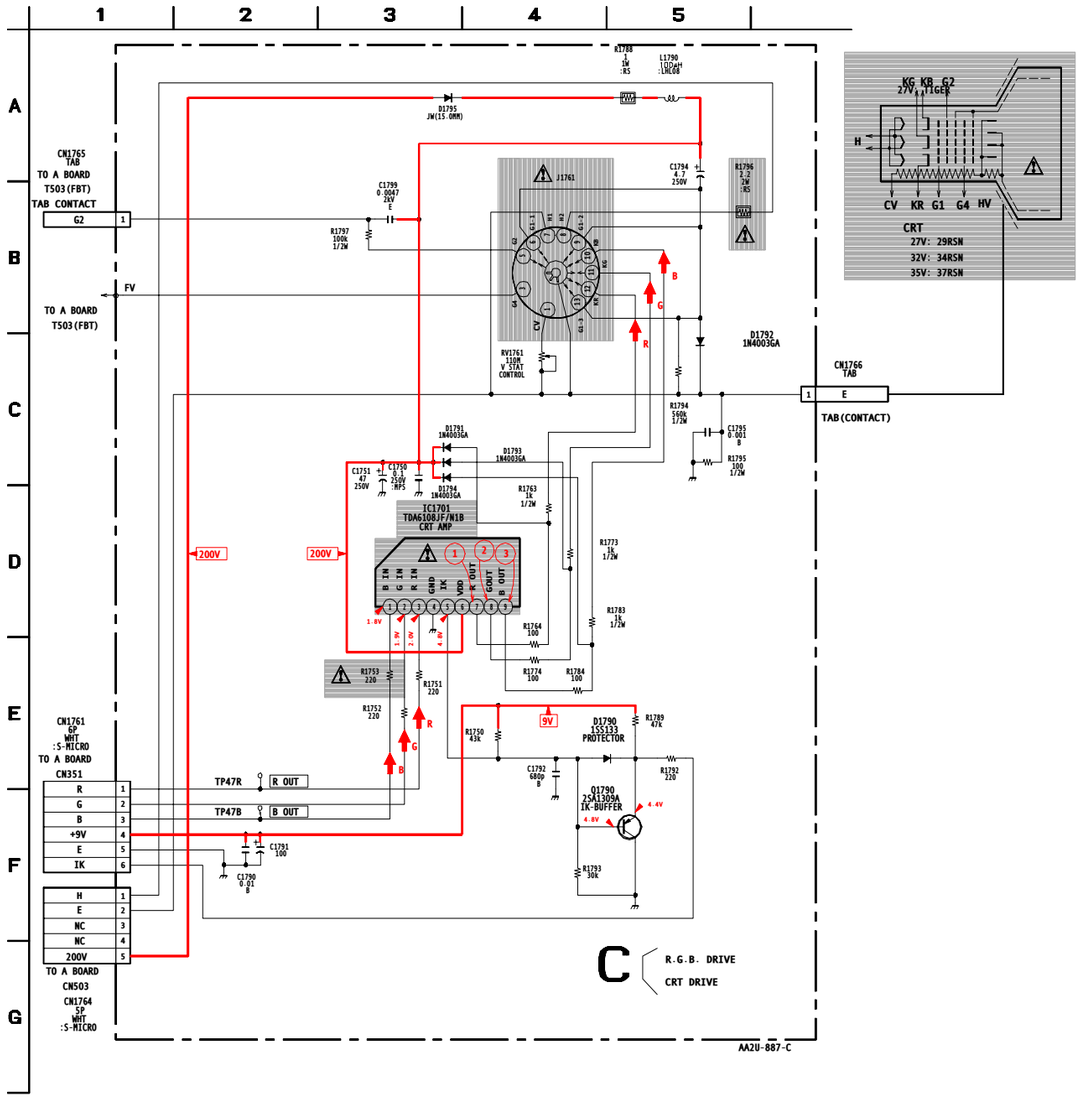
#: Not Mounted

AK BOARD TRANSISTOR VOLTAGE LIST

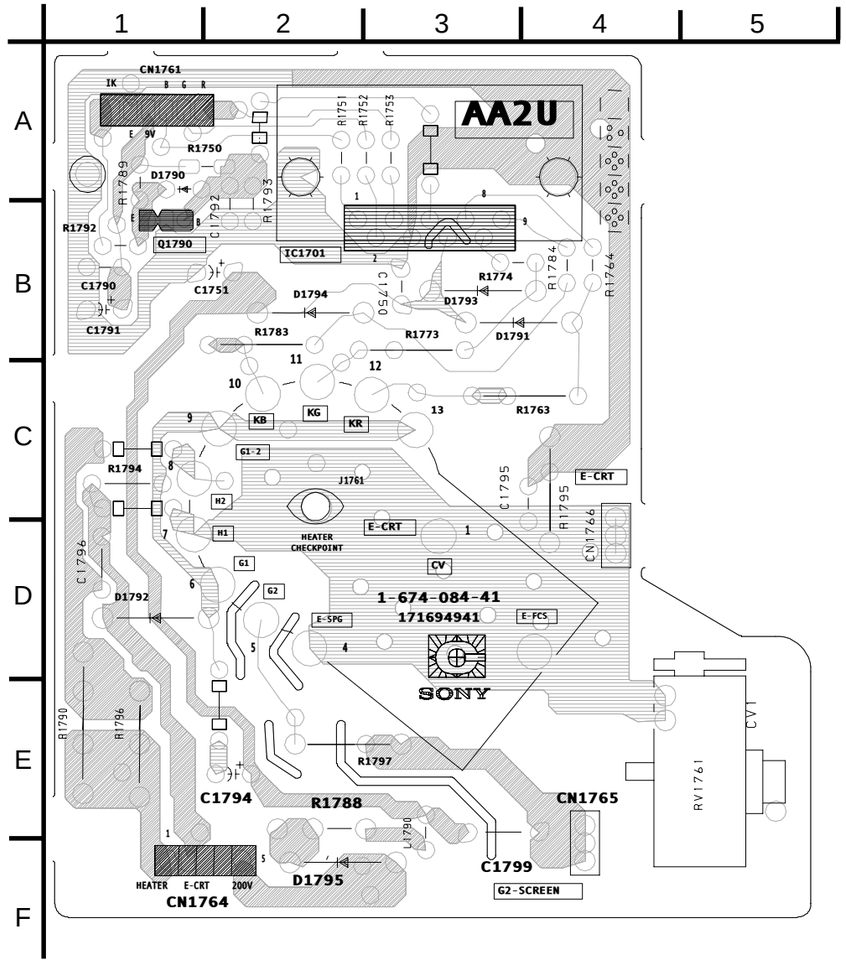
Q101		Q451		Q1463		Q1903	
pin	volt	pin	volt	pin	volt	pin	volt
B	5.7	B	8.9	B	0.0	B	5.0
C	9.3	C	0.4	C	0.0	C	0.7
E	5.1	E	9.3	E	GND	E	0.0
Q105		**Q1461**		**Q1464**		**Q1918**	
pin	volt	pin	volt	pin	volt	pin	volt
B	5.1	B	0.0	B	0.0	B	5.0
C	1.1	C	1.2	C	0.0	C	0.7
E	5.0	E	GND	E	GND	E	0.0
Q106		**Q1462**		**Q1902**			
pin	volt	pin	volt	pin	volt		
B	5.6	B	0.0	B	5.0		
C	9.3	C	11.6	C	0.7		
E	4.9	E	GND	E	0.0		

All voltages are in V

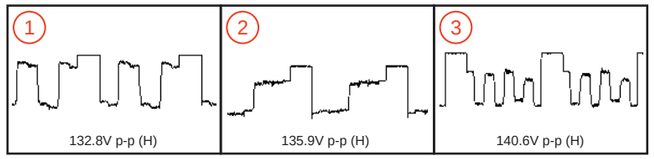
C BOARD SCHEMATIC DIAGRAM



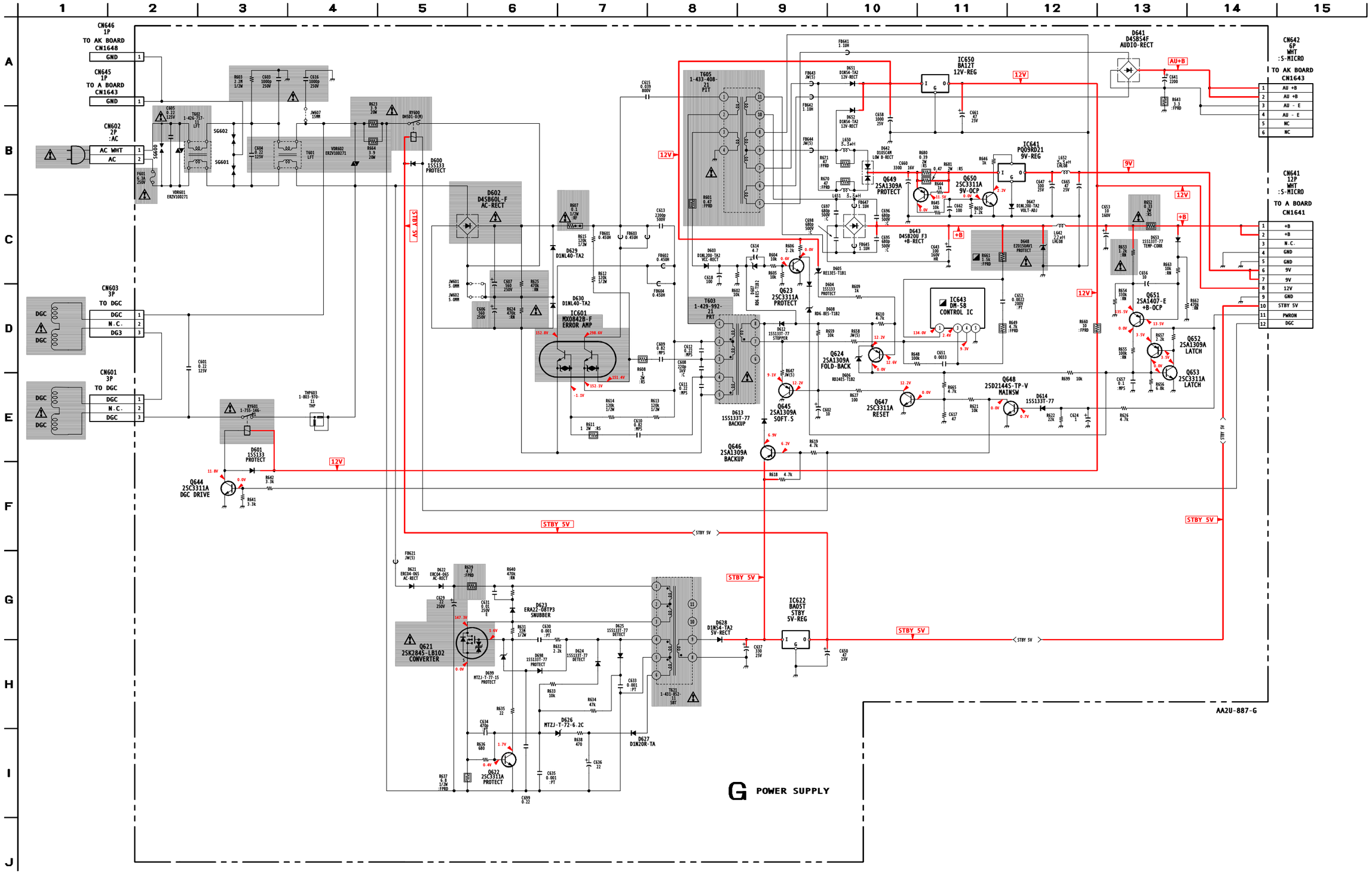
C [R.G.B. DRIVE, CRT DRIVE]



C BOARD WAVEFORMS

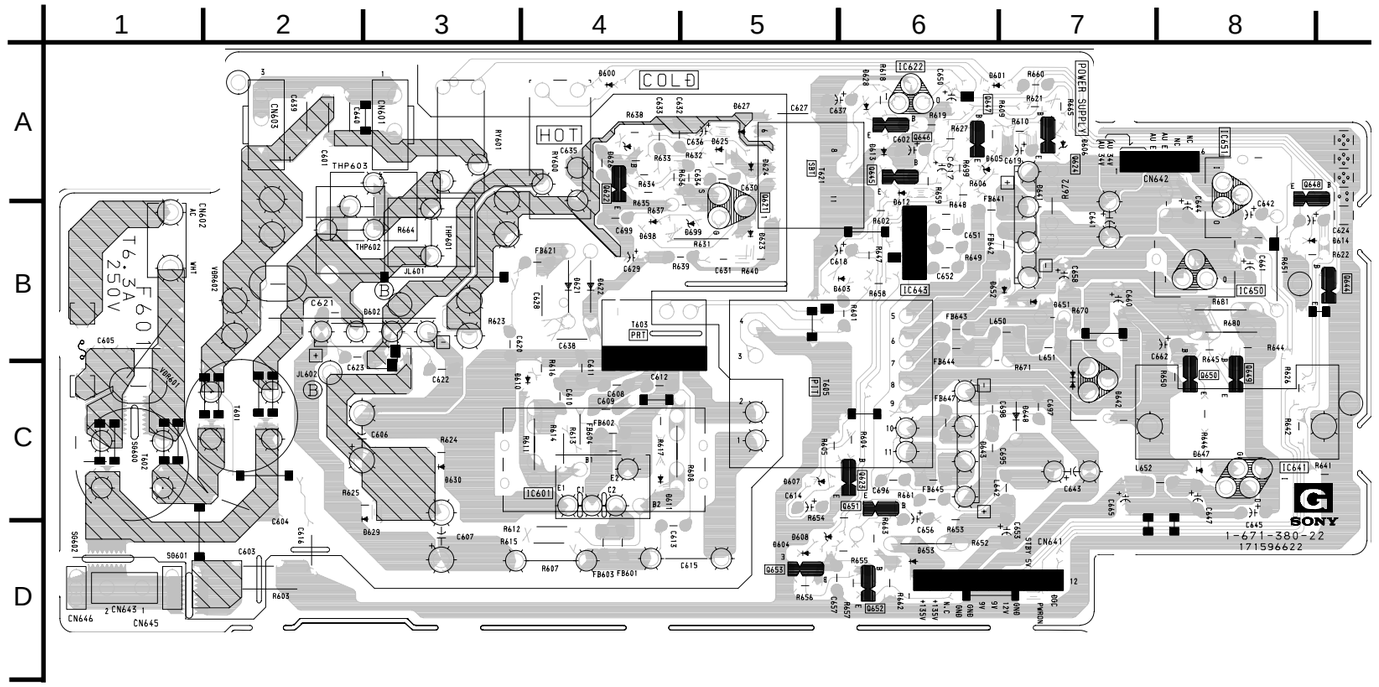


G BOARD SCHEMATIC DIAGRAM



← C Board G Board →

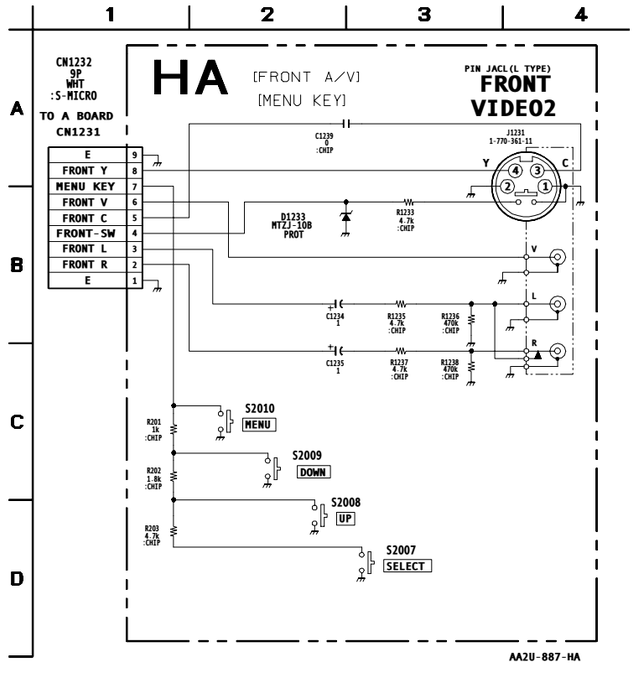
G [POWER SUPPLY]



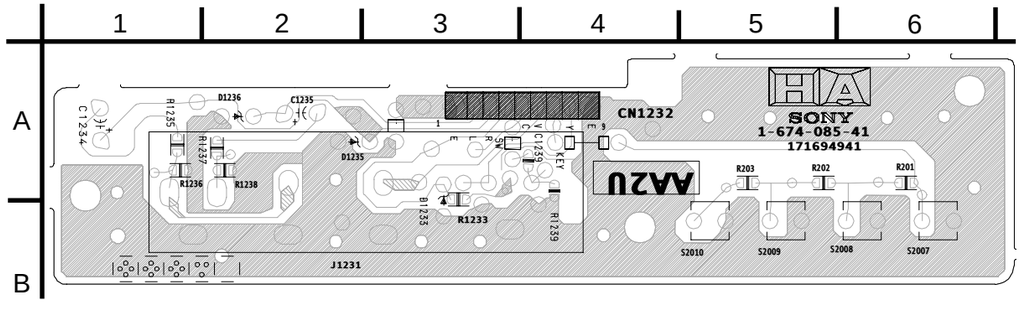
G BOARD LOCATOR LIST

DIODE		D648	C-7
D600	A-4	D651	B-7
D601	A-6	D652	B-7
D602	B-2	D653	D-6
D603	B-5	D698	B-4
D604	D-5	D699	B-5
D605	A-6	IC	
D606	A-7	IC601	C-3
D607	C-5	IC622	A-6
D608	D-5	IC641	C-8
D612	A-6	IC643	B-6
D613	A-6	IC650	B-8
D614	B-8	TRANSISTOR	
D621	B-4	Q621	A-5
D622	B-4	Q622	A-4
D623	B-5	Q623	C-6
D624	A-5	Q624	A-7
D625	A-5	Q644	B-8
D626	A-4	Q645	A-6
D627	A-5	Q646	A-6
D628	A-6	Q647	A-6
D629	C-2	Q648	A-8
D630	C-3	Q649	B-8
D641	B-7	Q650	B-8
D642	C-7	Q651	C-6
D643	C-6	Q652	D-6
D647	C-8	Q653	D-5

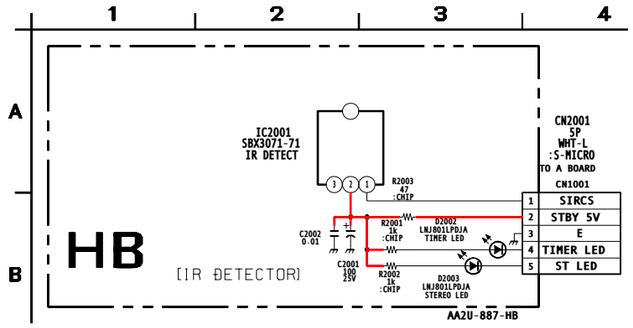
HA BOARD SCHEMATIC DIAGRAM (KV-36FV16/36FV26 ONLY)



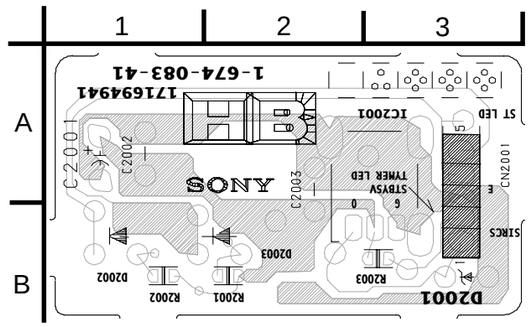
HA [FRONT A/V, MENU KEY] (KV-36FV16/36FV26 ONLY)



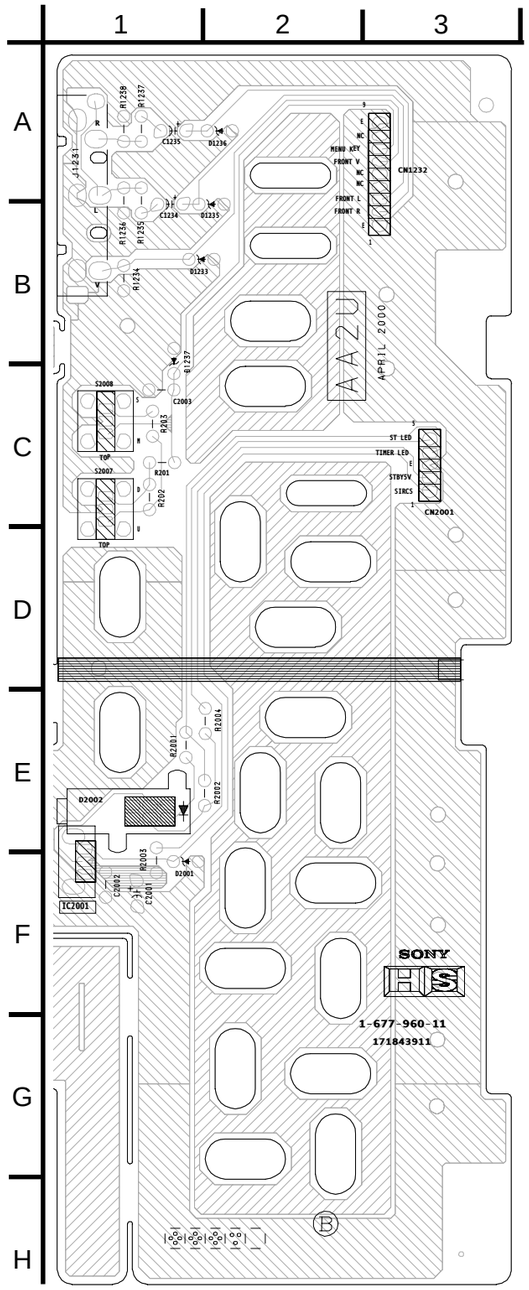
HB BOARD SCHEMATIC DIAGRAM (KV-36FV16/36FV26 ONLY)



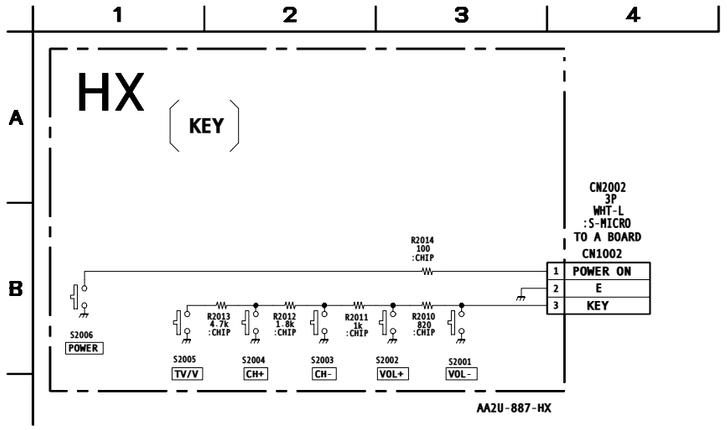
HB [IR DETECTOR] (KV-36FV16/36FV26 ONLY)



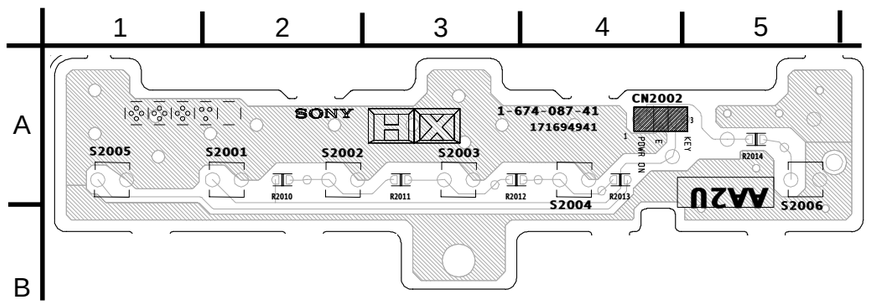
HS [FRONT A/V, MENU KEY, IR DETECTOR] (KV-36FS12/36FS16 ONLY)



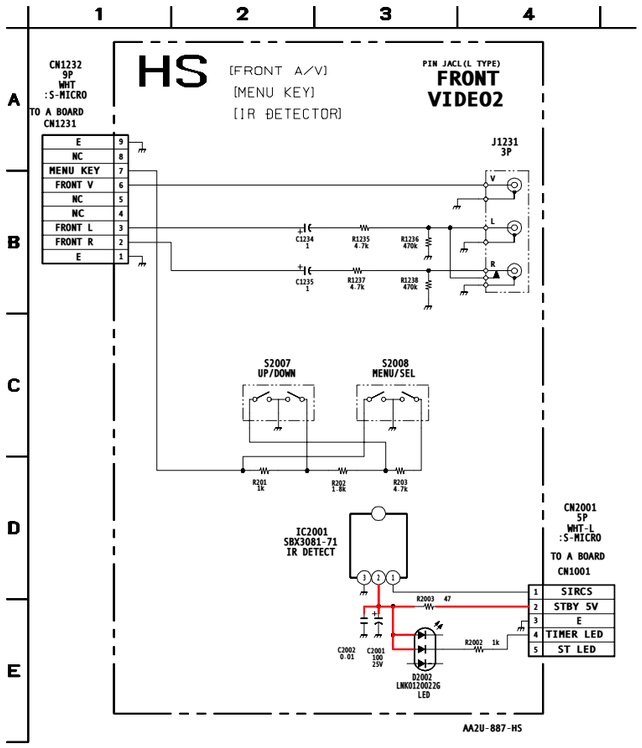
HX BOARD SCHEMATIC DIAGRAM



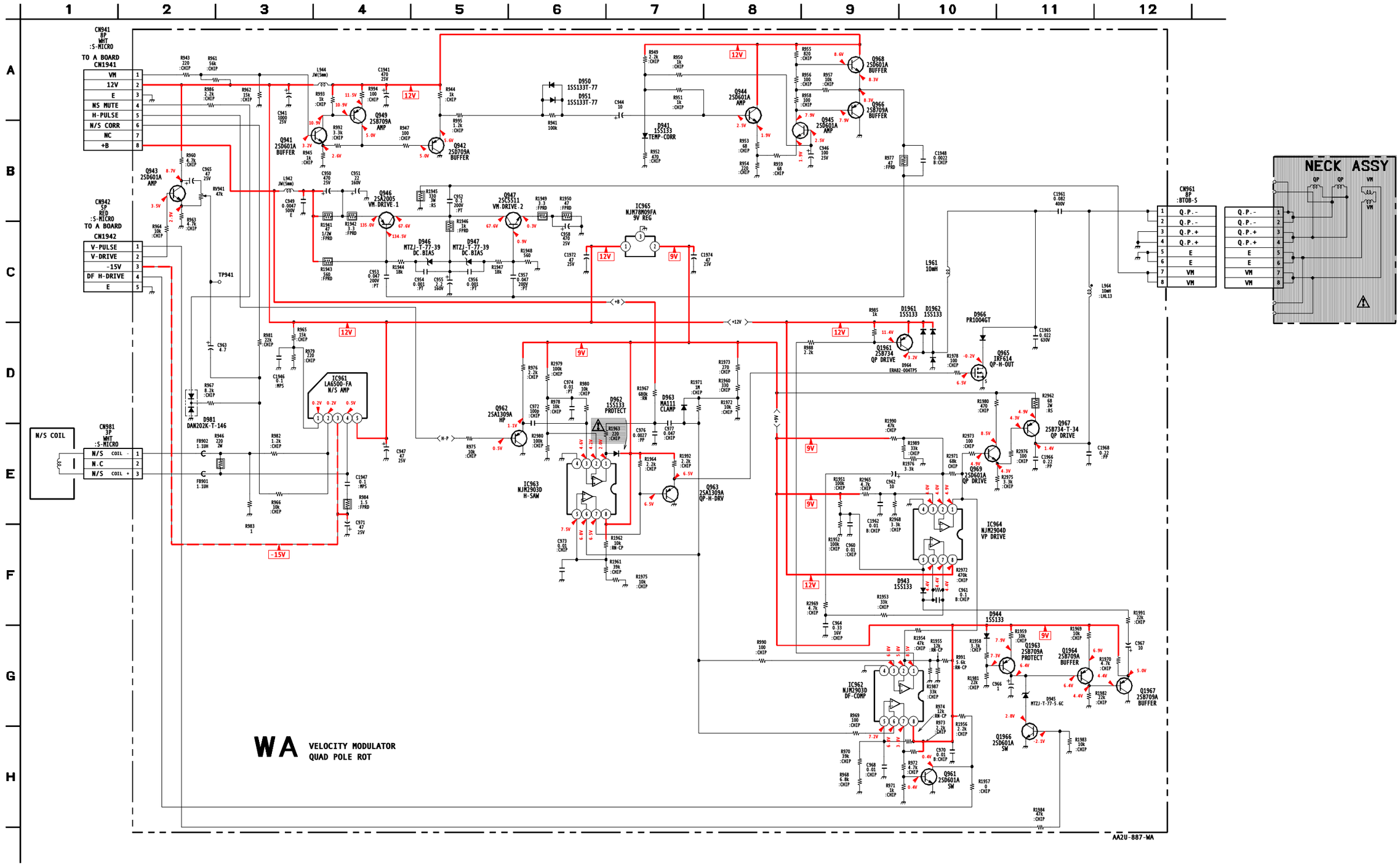
HX [KEY]



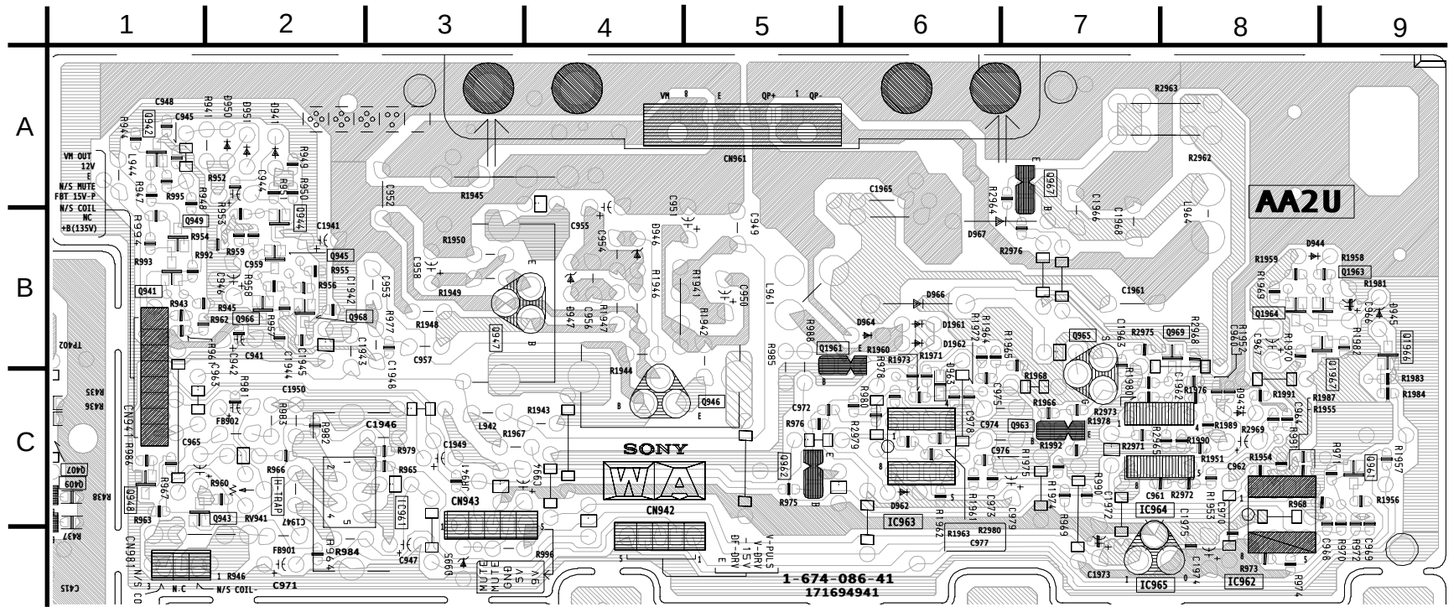
HS BOARD SCHEMATIC DIAGRAM (KV-36FS12/36FS16 ONLY)



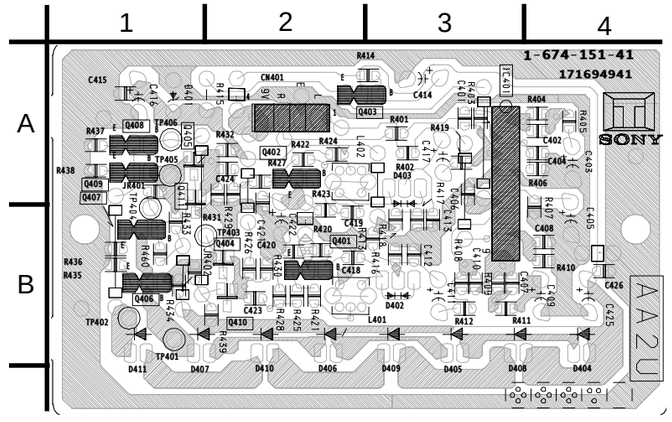
WA BOARD SCHEMATIC DIAGRAM



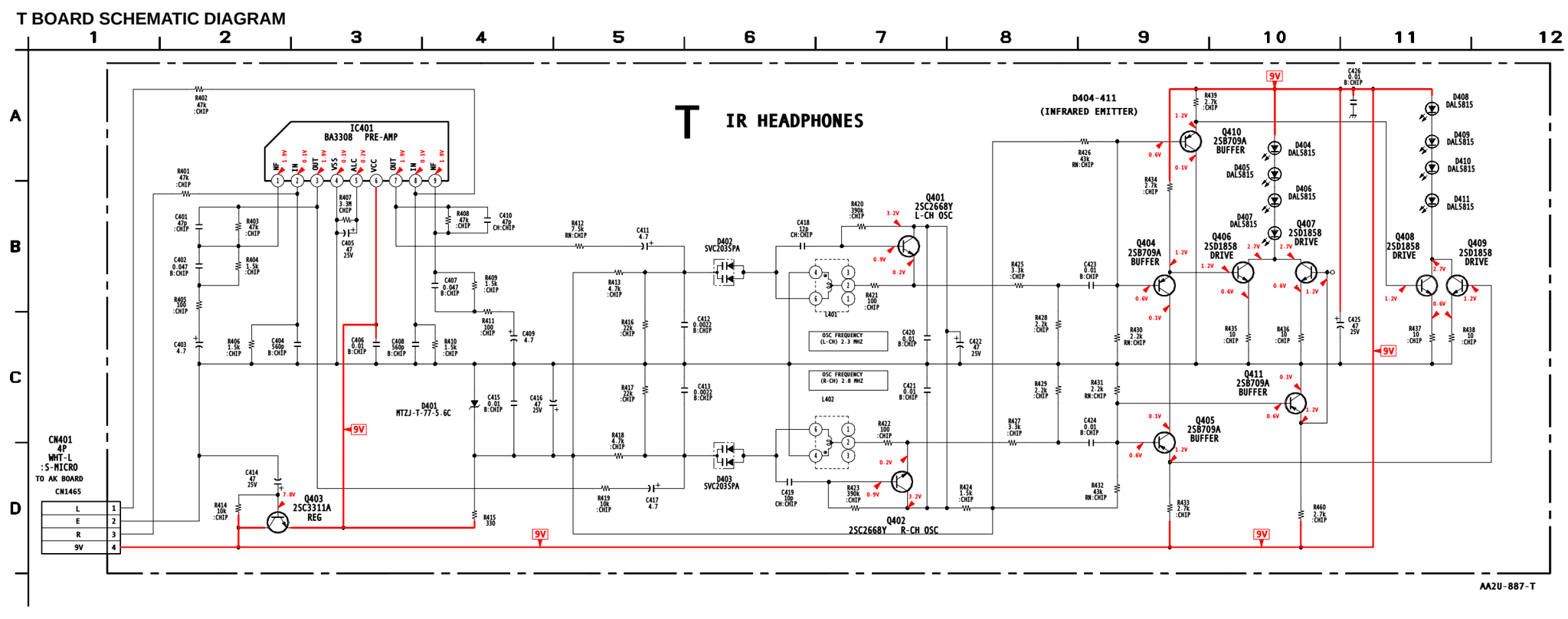
WA [VELOCITY MODULATOR, QUAD POLE ROT]



T [IR HEADPHONES]



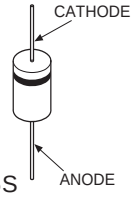
T BOARD SCHEMATIC DIAGRAM



← WA Board T Board →

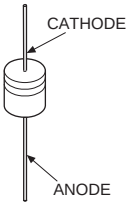
6-7. SEMICONDUCTORS

D1NL20U
D2L20U
EL1Z
EGP20G
EGP30G
ERA22-08
ERC06-15S
ERD29-08J
EZ0150AV1
GP08D
MTZJ-33A
1SS83

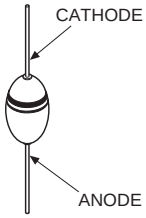


D1NS4
MTZJ-XXA
MTZJ-XXB
MTZJ-XXC
RDXXESB1
RDXXESB2
RDXXESB3
1SS119-25
1SS133T-77

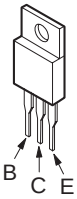
(XX = VALUE)



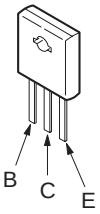
U05G



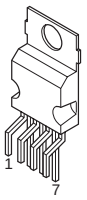
2SA1837
2SC4159-E
2SC4793
2SD2012



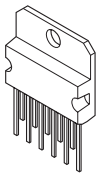
2SC4834M



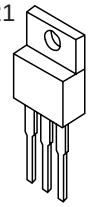
TDA8172



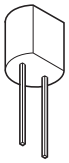
TDA2009A
TDA7262



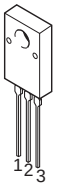
NJM78M05FA
PQ09RF21
TA7805S
BA05T



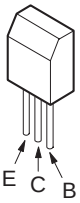
IC LINK
2A/90V



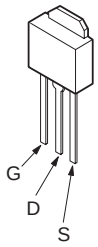
D10SC4M



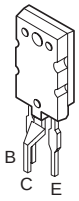
2SC3209LK



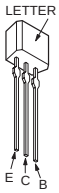
2SK2845-LB102



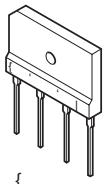
TSC5148
(LE SONY)



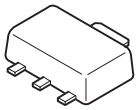
2SA1175-HFE
2SA933AS-QRT
2SC2785-HFE



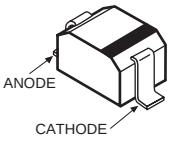
D10SBS4F
D6SB60L
D4SB60L

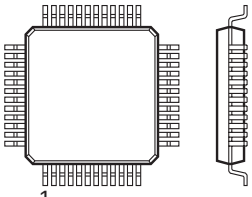


S-80748AL

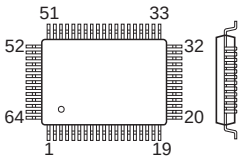


MA111
RD3.3SB
1SS355

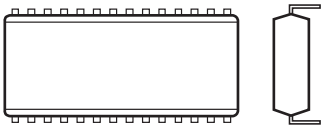




CXA2019Q

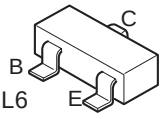


CXA1845Q - 64 pin
LC27016 - 80 pin
SAB9076AH
µPD6488GF-33A
µPD64081BGF-3BA - 100 pin



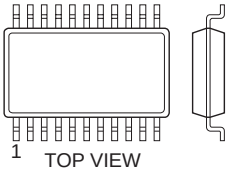
BH3868FS-E2
V53C16258SHK - 40 pin DIP

2SA1037K-T146-R
2SA1162-G
2SA1330-06
2SB709A
2SC1623-L5L6
2SD601A-Q



8 pin SOP
NJM2903D
NJM2903M
NJM2904D
ST24C02FM6TR
µPC4558G2
X24C04SB

16 pin SOP
BU4053BCF-T2
CXA1315M
MC14052BF
MC14538B
NJM2145M-TE2
CXD2064Q-T6



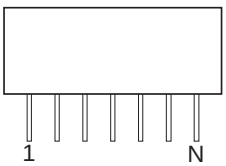
20 pin SOP
NJM2150M

24 pin SOP
CXA2039M-T6

28 pin SOP
MN47V76ST1
MN47V77ST1

36 pin SOP
µPC1862GS-E2

DM-58



MARKING SIDE VIEW

Epin 1 ' N
EMt (one side, both sides)

14 pin DIP
NJM2902M

16 pin DIP
MM1093N

20 pin DIP
TA1226N

22 pin DIP
CXA2021S

28 pin DIP
TDA7467

30 pin DIP
CXD2073S

40 pin DIP
SDA9288XE

42 pin DIP
MM1311AD
MM1313AD

48 pin DIP
CXA2131S

64 pin DIP
CXP85856A-029S

SECTION 7
EXPLODED VIEW

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note:

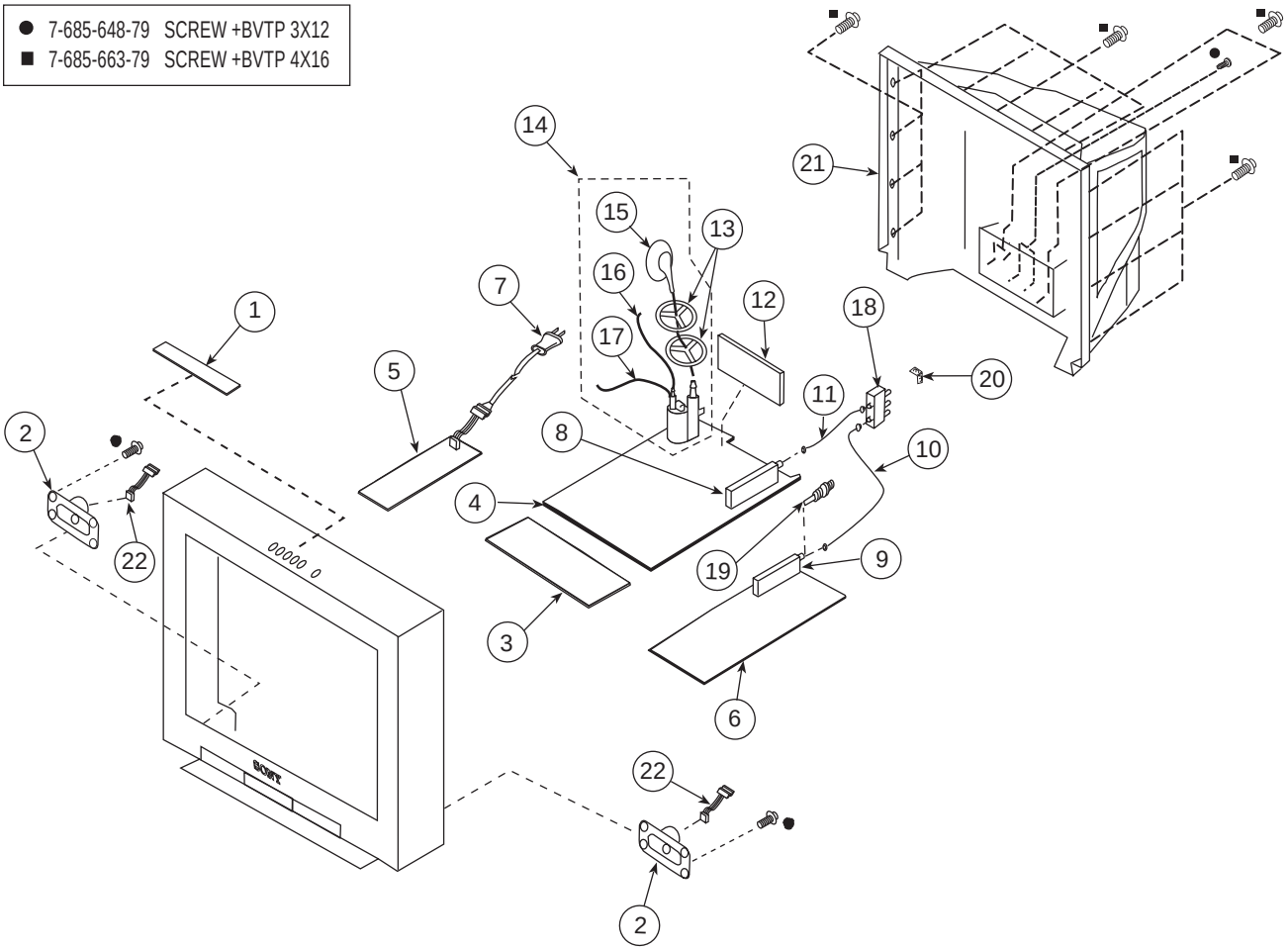
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

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

7-1. CHASSIS (KV-36FS12/36FS16 ONLY)

● 7-685-648-79 SCREW +BVTP 3X12
■ 7-685-663-79 SCREW +BVTP 4X16



REF. NO.		PART NO.	DESCRIPTION	REMARK
1	*	A-1372-636-A	HX MOUNTED PC BOARD	
2		1-504-531-11	SPEAKER (13.1X6.2CM)	
3	*	A-1372-822-A	HS MOUNTED PC BOARD	
4	*	A-1299-234-A	A COMPLETE PC BOARD	
			The high-voltage leads associated with the FBT on this board are not included and must be ordered separately. (See 15-17)	
5	*	A-1316-397-A	G COMPLETE PC BOARD	
6	*	A-1299-235-A	AK COMPLETE PC BOARD (KV-36FS16 ONLY)	
6	*	A-1299-265-A	AK COMPLETE PC BOARD (KV-36FS12 ONLY)	
7	⚠	1-790-316-21	CORD, AC POWER(WITH CONNECTOR)	
8	⚠	8-598-542-00	TUNER, FSS BTF-WA412 (KV-36FS12 ONLY)	
9	⚠	8-598-501-20	TUNER, FSS BTF-FA402 (KV-36FS16 ONLY)	
10		1-792-935-11	CABLE, PIN (KV-36FS16 ONLY)	
11	*	1-557-056-31	CABLE, P-P (KV-36FS16 ONLY)	

REF. NO.		PART NO.	DESCRIPTION	REMARK
12	*	A-1394-994-A	UY COMPLETE PC BOARD (KV-36FS16 ONLY)	
12	*	A-1395-000-A	UY COMPLETE PC BOARD (KV-36FS12 ONLY)	
13		3-704-372-71	HOLDER, HV CABLE	
14	⚠	1-453-338-21	FBT ASSY NX-4600	15-17
15		1-251-715-32	HV CAP ASSY	
16		1-900-805-19	FOCUS LEAD	
17		1-900-805-22	G2 LEAD	
18		8-598-414-10	CHANGER, ANTENNA AS-2F (KV36FS16 ONLY)	
19		1-766-374-11	PLUG, F-PIN (KV-36FS12 ONLY)	
20	*	3-696-606-02	HINGE, VI	
21		4-076-073-01	COVER, REAR	
22		1-900-805-21	CONNECTOR, SPEAKER	

Note:

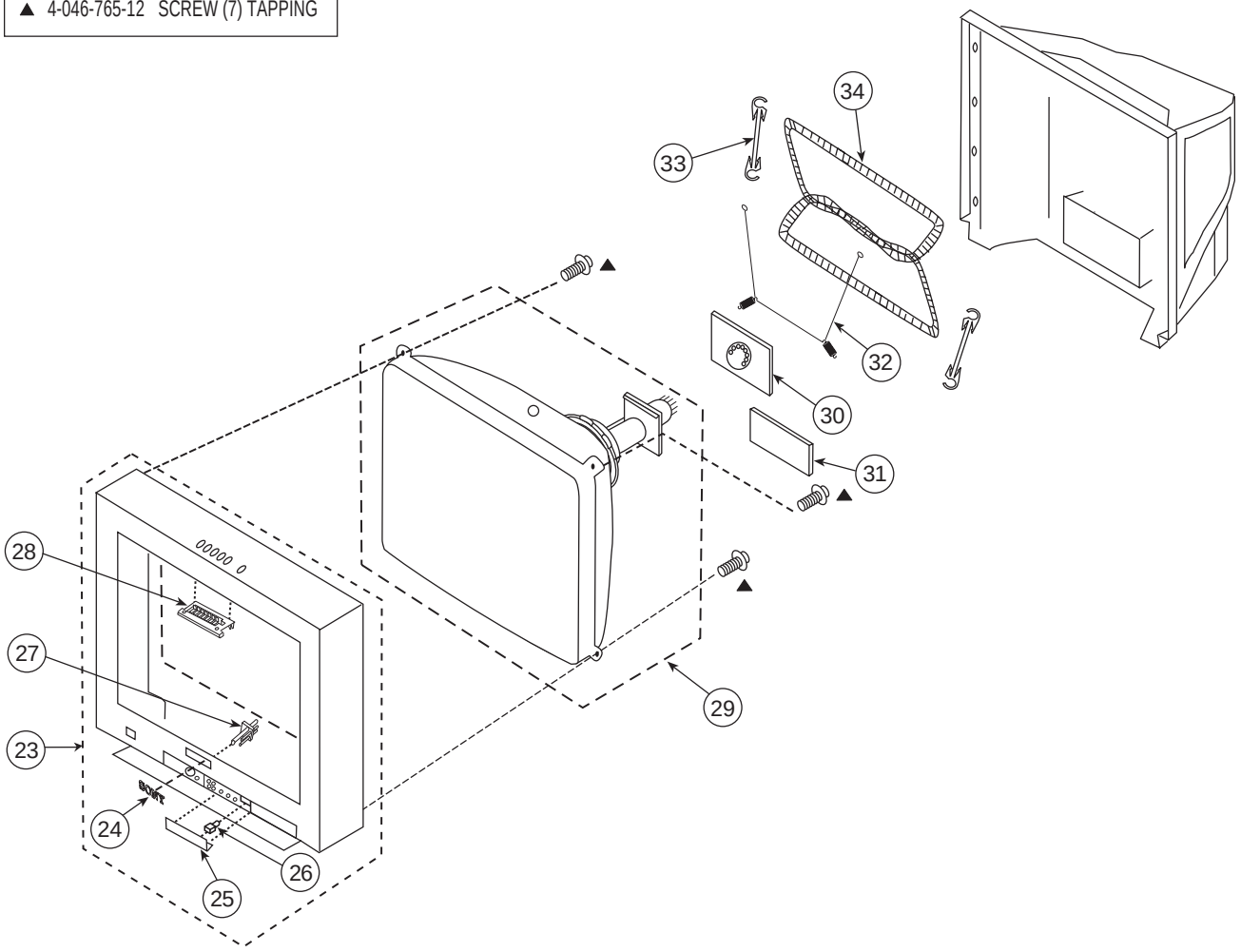
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

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

7-2. PICTURE TUBE (KV-36FS12/36FS16 ONLY)

▲ 4-046-765-12 SCREW (7) TAPPING



REF. NO.		PART NO.	DESCRIPTION	REMARK
23		X-4037-665-1	BEZNET ASSY	24-26
24		3-704-179-31	EMBLEM (NO.9), SONY	
25		4-075-658-01	DOOR	
26		4-047-464-01	CATCHER, PUSH	
27		4-075-657-01	GUIDE, LED	
28		4-068-982-02	MULTI-BUTTON (TOP)	
29	⚠	8-735-048-61	ITC 38RSN-A1 (US/Canada models only)	
29	⚠	8-735-081-61	ITC 38RSN-A1M (Hawaii models only)	
30	*	A-1331-942-A	C (VAR) MOUNTED PC BOARD	
31	*	A-1375-191-A	WA COMPLETE PC BOARD	
32		4-036-329-01	SPRING (B), TENSION	
33		4-065-895-04	HOLDER, DGC	
34	⚠	1-416-828-31	COIL, DEGAUSSING	

Note:

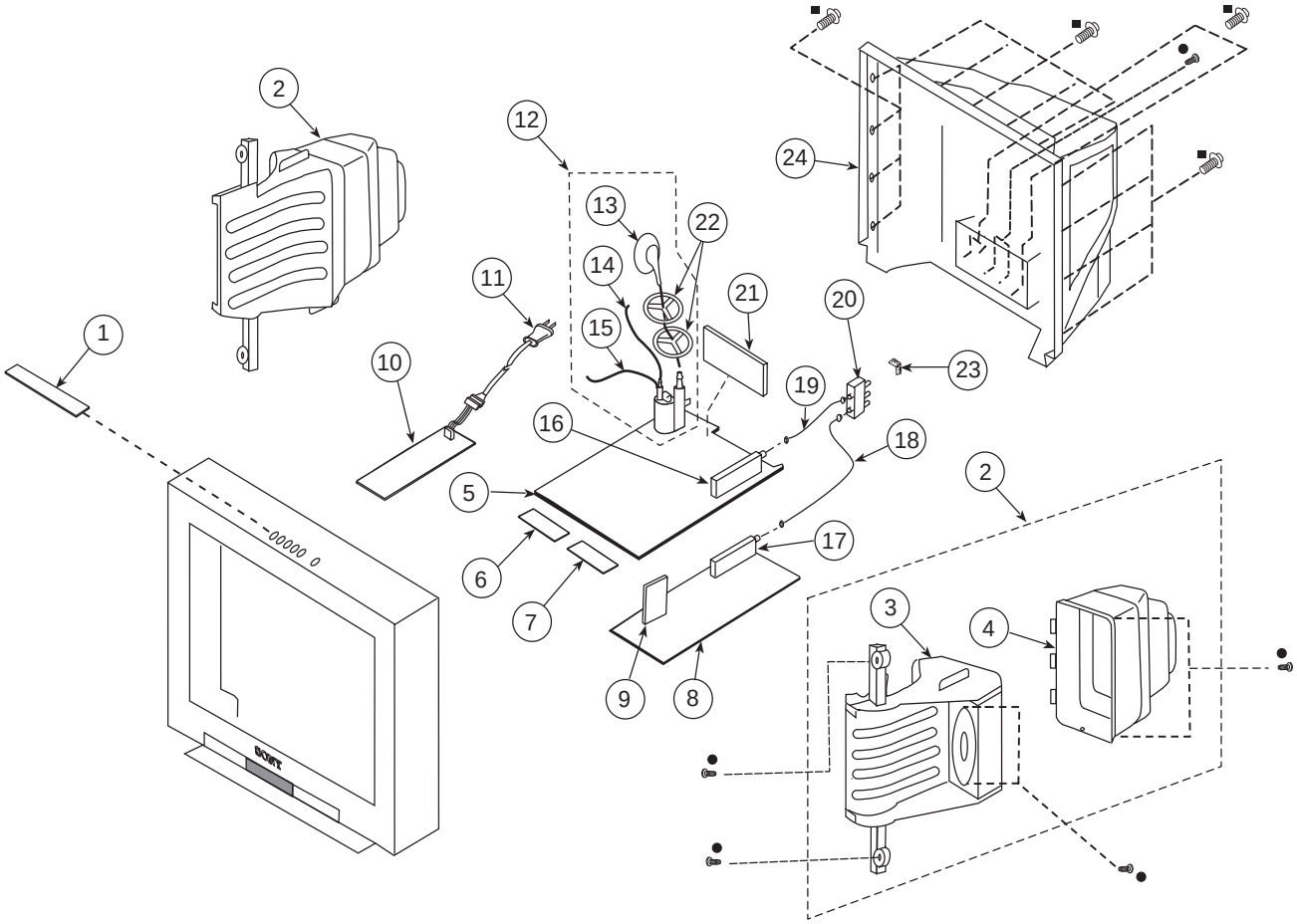
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

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

7-3. CHASSIS (KV-36FV16/36FV26 ONLY)

● 7-685-648-79 SCREW +BVTP 3X12
■ 7-685-663-79 SCREW +BVTP 4X16



REF. NO.		PART NO.	DESCRIPTION	REMARK
1	*	A-1372-636-A	HX MOUNTED PC BOARD	
2	*	1-529-336-11	BOX, 1 WAY SPEAKER (10CM) (KV-36FV16 ONLY)	3-4
2	*	1-529-358-11	SPEAKER, BOX (5,10CM) (KV-36FV26 ONLY)	3-4
3		4-068-988-01	BAFFLE, SPEAKER	
4	*	4-068-987-01	COVER, SPEAKER	
5	*	A-1299-234-A	A COMPLETE PC BOARD	
		The high-voltage leads associated with the FBT on this board are not included and must be ordered separately. (See 13-15)		
6	*	A-1372-634-A	HA MOUNTED PC BOARD	
7	*	A-1372-635-A	HB MOUNTED PC BOARD	
8	*	A-1299-282-A	AK COMPLETE PC BOARD (KV-36FV26 ONLY)	
8	*	A-1299-281-A	AK COMPLETE PC BOARD (KV-36FV16 ONLY)	
9	*	A-1394-934-A	T COMPLETE PC BOARD (KV-36FV26 ONLY)	
10	*	A-1316-397-A	G COMPLETE PC BOARD	

REF. NO.		PART NO.	DESCRIPTION	REMARK
11	⚠	1-790-316-21	CORD, AC POWER(WITH CONNECTOR)	
12	⚠	1-453-338-21	FBT ASSY NX-4600	13-15
13		1-251-715-32	HV CAP ASSY	
14		1-900-805-19	FOCUS LEAD	
15		1-900-805-22	G2 LEAD	
16	⚠	8-598-542-00	TUNER, FSS BTF-WA412	
17	⚠	8-598-501-20	TUNER, FSS BTF-FA402	
18		1-792-935-11	CABLE, PIN	
19	*	1-557-056-31	CABLE, P-P	
20		8-598-414-10	CHANGER, ANTENNA AS-2F	
21	*	A-1395-004-A	UX COMPLETE PC BOARD (KV-36FV26 ONLY)	
21	*	A-1395-003-A	UX COMPLETE PC BOARD (KV-36FV16 ONLY)	
22		3-704-372-71	HOLDER, HV CABLE	
23	*	3-696-606-02	HINGE, VI	
24		4-068-998-01	COVER, REAR	

Note:

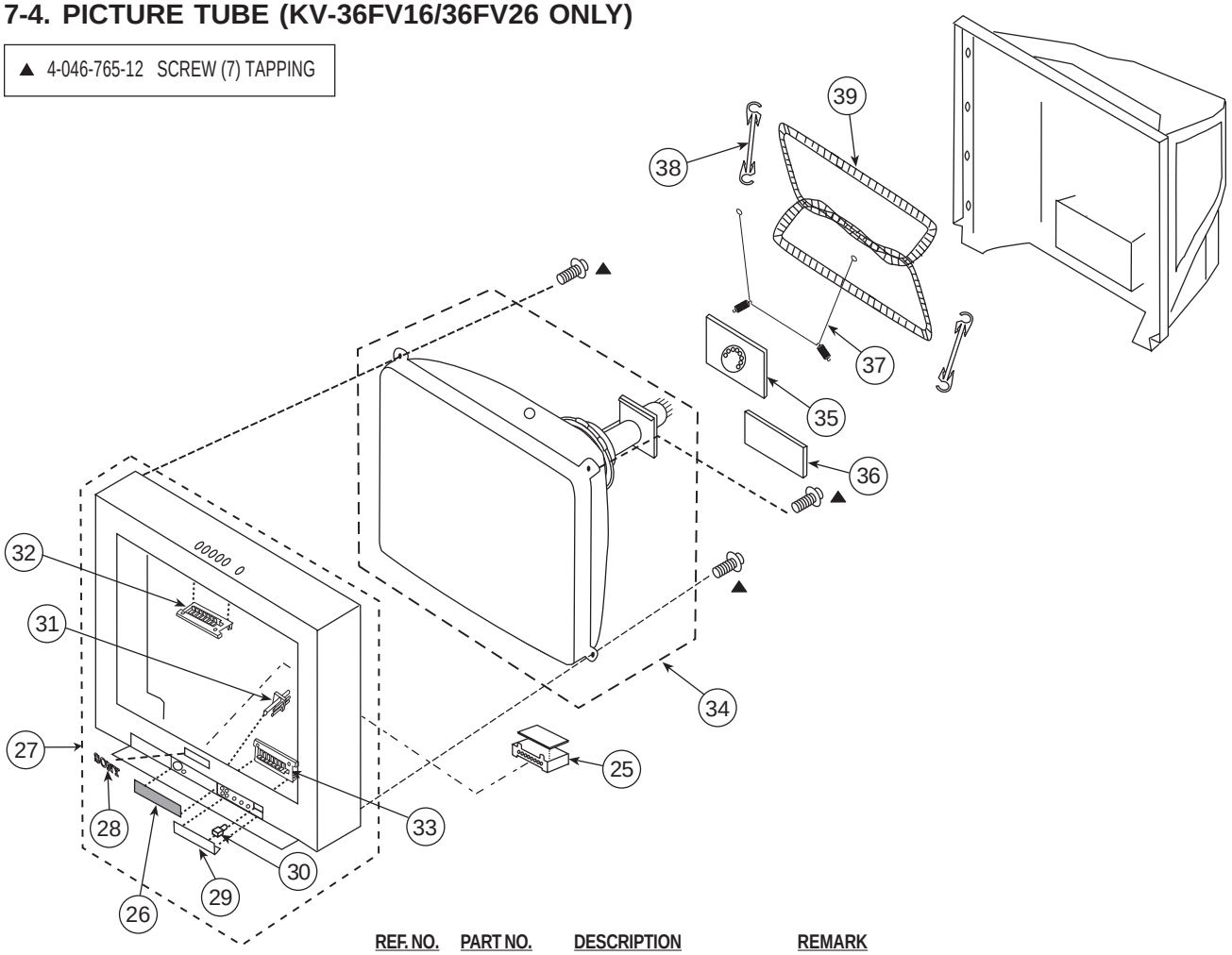
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

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

7-4. PICTURE TUBE (KV-36FV16/36FV26 ONLY)

▲ 4-046-765-12 SCREW (7) TAPPING



REF. NO.		PART NO.	DESCRIPTION	REMARK
25	*	4-068-992-01	CASE, IR SHIELD (KV-36FV26 ONLY)	
26		4-068-991-01	PANEL, IR (KV-36FV26 ONLY)	
27		X-4037-910-1	BEZNET ASSY (KV-36FV26 ONLY)	28-30
27		X-4037-909-1	BEZNET ASSY (KV-36FV16 ONLY)	28-30
28		3-704-179-31	EMBLEM (NO.9), SONY	
29		4-068-985-04	DOOR	
30		3-703-574-00	RETAINER, DOOR	
31		4-068-986-01	GUIDE, LED	
32		4-068-982-02	MULTI-BUTTON (TOP)	
33		4-068-984-01	MULTI-BUTTON (BOTTOM)	
29	⚠	8-735-048-61	ITC 38RSN-A1 (US/Canada models only)	
29	⚠	8-735-081-61	ITC 38RSN-A1M (Hawaii models only)	
35	*	A-1331-942-A	C (VAR) MOUNTED PC BOARD	
36	*	A-1375-191-A	WA COMPLETE PC BOARD	
37		4-036-329-01	SPRING (B), TENSION	
38		4-065-895-04	HOLDER, DGC	
39	⚠	1-416-828-31	COIL, DEGAUSSING	

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SECTION 8
ELECTRICAL PARTS LIST

Note:

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

Note:

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

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.

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* **A-1299-234-A A COMPLETE PC BOARD**

The high voltage leads associated with the FBT on this board are not included and must be ordered separately. Order the following leads when requesting this A Board:

1-251-715-32	HV CAP ASSY
1-900-805-22	G2 LEAD
1-900-805-19	FOCUS LEAD
4-382-854-11	SCREW (M3X10), P, SW (+)

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION			REMARK
C001	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C003	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C005	1-126-960-11	ELECT	1µF	20%	50V
C009	1-126-967-11	ELECT	47µF	20%	50V
C010	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C012	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C014	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C017	1-126-960-11	ELECT	1µF	20%	50V
C020	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C023	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C028	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C029	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C035	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C036	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C051	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C053	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C062	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C063	1-126-941-11	ELECT	470µF	20%	25V
C068	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C071	1-102-129-00	CERAMIC	0.01µF	10%	50V
C072	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C077	1-126-964-11	ELECT	10µF	20%	50V
C080	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C100	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C301	1-136-165-00	MYLAR	0.1µF	5%	50V
C306	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C308	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C309	1-126-959-11	ELECT	0.47µF	20%	50V
C310	1-104-664-11	ELECT	47µF	20%	25V
C311	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C312	1-126-963-11	ELECT	4.7µF	20%	50V
C314	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C316	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C318	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C319	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C320	1-126-935-11	ELECT	470µF	20%	16V
C321	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C322	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C323	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C326	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C327	1-126-963-11	ELECT	4.7µF	20%	50V
C329	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C331	1-126-964-11	ELECT	10µF	20%	50V
C332	1-126-960-11	ELECT	1µF	20%	50V
C333	1-102-129-00	CERAMIC	0.01µF	10%	50V
C334	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C336	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C338	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C339	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C340	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C343	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C344	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C345	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C351	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C352	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C355	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C357	1-126-967-11	ELECT	47µF	20%	50V
C359	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C361	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C374	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C375	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C382	1-163-038-91	CERAMIC CHIP	0.1µF		25V

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Note:

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Note:

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REF.NO.		PART NO.	DESCRIPTION	REMARK		
C384		1-163-038-91	CERAMIC CHIP	0.1µF		25V
C393		1-163-038-91	CERAMIC CHIP	0.1µF		25V
C394		1-163-038-91	CERAMIC CHIP	0.1µF		25V
C395		1-104-664-11	ELECT	47µF	20%	25V
C396		1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C397		1-104-664-11	ELECT	47µF	20%	25V
C398		1-126-961-11	ELECT	2.2µF	20%	50V
C501		1-102-110-00	CERAMIC	220PF	10%	50V
C502		1-126-959-11	ELECT	0.47µF	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	0.047µF	10%	200V
C507	⚠	1-162-116-00	CERAMIC	680PF	10%	2KV
C508		1-102-228-00	CERAMIC	470PF	10%	500V
C509		1-162-116-00	CERAMIC	680PF	10%	2KV
C510		1-137-150-11	MYLAR	0.01µF	10%	100V
C511	⚠	1-137-347-11	FILM	0.022µF	3%	2KV
C512		1-129-928-00	FILM	0.0027µF	10%	630V
C513	⚠	1-130-118-91	FILM	0.051µF	5%	400V
C514	⚠	1-115-521-11	FILM	0.82µF	5%	250V
C515		1-104-987-11	MYLAR	0.001µF	10%	100V
C516		1-115-521-11	FILM	0.82µF	5%	250V
C517		1-107-649-11	ELECT	2.2µF	20%	250V
C518		1-106-387-00	MYLAR	0.068µF	10%	200V
C519		1-107-612-11	CERAMIC	100PF	5%	500V
C520		1-164-646-11	CERAMIC	2200PF	10%	500V
C521		1-163-010-11	CERAMIC CHIP	0.0012µF	10%	50V
C522		1-126-960-11	ELECT	1µF	20%	50V
C525		1-102-244-00	CERAMIC	220PF	10%	500V
C526		1-107-662-11	ELECT	22µF	20%	250V
C527		1-162-116-00	CERAMIC	680PF	10%	2KV
C528		1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C529		1-128-551-11	ELECT	22µF	20%	25V
C530		1-137-366-11	MYLAR	0.0022µF	5%	50V
C531		1-126-965-11	ELECT	22µF	20%	50V
C532		1-126-965-11	ELECT	22µF	20%	50V
C534		1-126-967-11	ELECT	47µF	20%	50V
C537		1-126-941-11	ELECT	470µF	20%	25V
C539		1-126-941-11	ELECT	470µF	20%	25V
C540		1-107-995-11	ELECT	100µF		160V
C541		1-128-560-11	ELECT	22µF	20%	100V
C543		1-104-666-11	ELECT	220µF	20%	25V
C544		1-129-718-00	FILM	0.022µF	5%	630V
C545		1-106-387-00	MYLAR	0.068µF	10%	200V
C546		1-104-987-11	MYLAR	0.001µF	10%	100V
C547		1-104-987-11	MYLAR	0.001µF	10%	100V
C548		1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C549		1-106-375-12	MYLAR	0.022µF	20%	200V

REF.NO.		PART NO.	DESCRIPTION	REMARK		
C550		1-102-002-00	CERAMIC	680PF	10%	500V
C551		1-109-954-11	ELECT	0.47µF	20%	160V
C552		1-102-244-00	CERAMIC	220PF	10%	500V
C553		1-117-666-71	FILM	0.39µF	5%	250V
C554	⚠	1-104-491-11	FILM	0.0047µF	3%	2KV
C561		1-126-967-11	ELECT	47µF	20%	50V
C563		1-104-666-11	ELECT	220µF	20%	25V
C564		1-126-960-11	ELECT	1µF	20%	50V
C565		1-126-969-11	ELECT	220µF	20%	50V
C568		1-136-169-00	MYLAR	0.22µF	5%	50V
C571		1-126-942-61	ELECT	1000µF	20%	25V
C572		1-126-942-61	ELECT	1000µF	20%	25V
C599		1-126-935-11	ELECT	470µF	20%	16V
C1002		1-126-964-11	ELECT	10µF	20%	50V
C1003		1-126-961-11	ELECT	2.2µF	20%	50V
C1004		1-126-960-11	ELECT	1µF	20%	50V
C1101		1-126-943-11	ELECT	2200µF	20%	25V
C1103		1-126-965-11	ELECT	22µF	20%	50V
C1104		1-104-664-11	ELECT	47µF	20%	25V
C1105		1-104-664-11	ELECT	47µF	20%	25V
C1106		1-126-964-11	ELECT	10µF	20%	50V
C1107		1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C1108		1-128-551-11	ELECT	22µF	20%	25V
C1109		1-126-964-11	ELECT	10µF	20%	50V
C1117		1-126-960-11	ELECT	1µF	20%	50V
C1118		1-126-960-11	ELECT	1µF	20%	50V
C1351		1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C1355		1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C1356		1-126-964-11	ELECT	10µF	20%	50V
C1357		1-164-005-11	CERAMIC CHIP	0.47µF		16V
C1358		1-126-940-11	ELECT	330µF	20%	25V
C1359		1-163-038-91	CERAMIC CHIP	0.1µF		25V
C1360		1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1361		1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C1362		1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C1363		1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1367		1-163-038-91	CERAMIC CHIP	0.1µF		25V
C1369		1-163-038-91	CERAMIC CHIP	0.1µF		25V
C1370		1-126-964-11	ELECT	10µF	20%	50V
C1371		1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C1372		1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C1373		1-163-133-00	CERAMIC CHIP	470PF	5%	50V

CONNECTOR

CN270	*	1-774-105-11	CONNECTOR, BOARD TO BOARD 15P
CN271	*	1-774-105-11	CONNECTOR, BOARD TO BOARD 15P
CN272	*	1-774-105-11	CONNECTOR, BOARD TO BOARD 15P
CN302	*	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P
CN351	*	1-564-509-11	PLUG, CONNECTOR 6P

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Note:

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Note:

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REF.NO.		PART NO.	DESCRIPTION	REMARK
CN501 *		1-580-798-11	CONNECTOR PIN (DY) 6P	
CN503 *		1-564-508-11	PLUG, CONNECTOR 5P	
CN1001*		1-564-508-11	PLUG, CONNECTOR 5P	
CN1002*		1-564-506-11	PLUG, CONNECTOR 3P	
CN1102*		1-564-507-11	PLUG, CONNECTOR 4P	
CN1231*		1-564-512-11	PLUG, CONNECTOR 9P	
CN1643		1-695-915-11	TAB (CONTACT)	
CN1941*		1-564-511-11	PLUG, CONNECTOR 8P	
CN1942*		1-564-508-11	PLUG, CONNECTOR 5P	

DIODE

D001		8-719-991-33	DIODE 1SS133T-77	
D002		8-719-109-89	DIODE MTZJ-T-77-5.6C	
D003		8-719-991-33	DIODE 1SS133T-77	
D005		8-719-109-89	DIODE MTZJ-T-77-5.6C	
D012		8-719-991-33	DIODE 1SS133T-77	
D013		8-719-991-33	DIODE 1SS133T-77	
D016		8-719-991-33	DIODE 1SS133T-77	
D018		8-719-073-01	DIODE MA111-TX	
D019		8-719-073-01	DIODE MA111-TX	
D301		8-719-073-01	DIODE MA111-TX	
D302		8-719-991-33	DIODE 1SS133T-77	
D303		8-719-921-44	DIODE MTZJ-T-77-5.1C	
D368		8-719-991-33	DIODE 1SS133T-77	
D384		8-719-921-80	DIODE MTZJ-T-77-11B	
D388		8-719-921-80	DIODE MTZJ-T-77-11B	
D501		8-719-109-89	DIODE MTZJ-T-77-5.6C	
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		8-719-075-33	DIODE 1N4003GA	
D506		8-719-075-33	DIODE 1N4003GA	
D507		8-719-991-33	DIODE 1SS133T-77	
D510		8-719-300-33	DIODE ERB44-06TP1	
D511		8-719-970-87	DIODE ERA38-06TP1	
D512		8-719-970-87	DIODE ERA38-06TP1	
D513		8-719-110-41	DIODE MTZJ-T-77-15B	
D515	⚠	8-719-075-41	DIODE PR1004GT	
D516		8-719-991-33	DIODE 1SS133T-77	
D518		8-719-991-33	DIODE 1SS133T-77	
D519	⚠	8-719-302-43	DIODE EL1Z-V1	
D520		8-719-991-33	DIODE 1SS133T-77	
D521		8-719-921-63	DIODE MTZJ-T-77-7.5X	
D522		8-719-991-33	DIODE 1SS133T-77	
D523		8-719-109-69	DIODE MTZJ-T-77-3.6B	
D524		8-719-109-97	DIODE MTZJ-T-77-6.8B	
D530	⚠	8-719-081-01	DIODE ER204	
D531		8-719-081-01	DIODE ER204	
D534		8-719-075-41	DIODE PR1004GT	
D535		8-719-073-01	DIODE MA111-TX	
D536		1-216-295-91	SHORT	
D561		8-719-075-33	DIODE 1N4003GA	
D1003		8-719-110-17	DIODE MTZJ-T-77-10B	
D1004		8-719-110-17	DIODE MTZJ-T-77-10B	
D1101		8-719-110-17	DIODE MTZJ-T-77-10B	
D1102		8-719-982-24	DIODE MTZJ-T-77-33A	
D1103		8-719-109-89	DIODE MTZJ-T-77-5.6C	
D1104		8-719-110-17	DIODE MTZJ-T-77-10B	
D1301		8-719-073-01	DIODE MA111-TX	
D1302		8-719-991-33	DIODE 1SS133T-77	
D1303		8-719-073-01	DIODE MA111-TX	
D1304		8-719-073-01	DIODE MA111-TX	
D1305		8-719-073-01	DIODE MA111-TX	
D1306		8-719-073-01	DIODE MA111-TX	

FERRITE BEAD

FB501	1-410-397-21	FERRITE	1.1µH	
FB502	1-410-397-21	FERRITE	1.1µH	
FB503	1-410-397-21	FERRITE	1.1µH	

IC

IC001		8-759-667-71	IC M306V5ME-XXXSP	
IC002		8-759-562-42	IC CAT24WC08J-TE13	
IC003		8-759-352-91	IC PST9143NL	
IC351		8-759-710-86	IC NJM2233BM(TE2)	
IC352		8-752-080-75	IC CXA2039M-T6	
IC353		8-759-462-91	IC TA1226N	
IC354		8-752-082-49	IC CXA2119M-T6	
IC355	⚠	8-752-092-17	IC CXA2131AS	
IC501		8-759-700-07	IC NJM2903M-TE2	
IC561	⚠	8-759-192-71	IC STV9379	
IC1001		8-752-058-68	IC CXA1315M-T4	

CHIP CONDUCTOR

JR001	1-216-295-91	SHORT			
JR002	1-216-295-91	SHORT			
JR003	1-216-295-91	SHORT			
JR004	1-216-049-91	RES-CHIP	1K	5%	1/10W
JR005	1-216-295-91	SHORT			
JR051	1-216-295-91	SHORT			
JR053	1-216-295-91	SHORT			
JR054	1-216-295-91	SHORT			
JR4120	1-216-295-91	SHORT			

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Note:

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REF.NO.		PART NO.	DESCRIPTION	REMARK
		COIL		
L001		1-414-857-11	INDUCTOR	100µH
L002		1-414-857-11	INDUCTOR	100µH
L003		1-414-856-11	INDUCTOR	10µH
L004		1-414-182-11	INDUCTOR	6.8µH
L005		1-410-506-11	INDUCTOR	5.6µH
L006		1-410-506-11	INDUCTOR	5.6µH
L007		1-410-506-11	INDUCTOR	5.6µH
L301		1-414-857-11	INDUCTOR	100µH
L302		1-414-856-11	INDUCTOR	10µH
L351		1-414-186-31	INDUCTOR	33µH
L501		1-406-677-11	INDUCTOR	10mH
L502		1-412-552-11	INDUCTOR	2.2mH
L503		1-406-677-11	INDUCTOR	10mH
L504		1-406-677-11	INDUCTOR	10mH
L505		1-406-976-11	INDUCTOR	68µH
L511		1-411-189-11	INDUCTOR	15mH
L517		1-412-552-11	INDUCTOR	2.2mH
L1101		1-414-857-11	INDUCTOR	100µH
L1102		1-414-856-11	INDUCTOR	10µH
L1351		1-414-856-11	INDUCTOR	10µH
L1352		1-412-754-21	INDUCTOR	39µH
		TRANSISTOR		
Q001		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q002		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q003		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q004		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q005		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q006		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q007		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q008		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q009		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q016		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q103		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q104		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q301		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q303		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q304		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q305		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q306		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q307		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q310		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q311		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q313		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q314		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q351		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q352		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q359		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q361		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q362		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q364		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q369		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q370		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q501		8-729-140-50	TRANSISTOR 2SC3209LK-TP	
Q502	⚠	8-729-045-26	TRANSISTOR 2SD2580-YB	
Q503		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q504		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q507		8-729-043-95	TRANSISTOR 2SC3840K	
Q511	⚠	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q512	⚠	8-729-809-29	TRANSISTOR 2SC4159-E	
Q561		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q562		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1102		8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	
Q1103		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1301		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1302		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1303		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1352		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1353		8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1354		8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	

REF.NO.	PART NO.	DESCRIPTION			REMARK
	RESISTOR				
R001	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R002	1-249-417-11	CARBON	1K	5%	1/4W
R003	1-216-097-91	RES-CHIP	100K	5%	1/10W
R004	1-216-121-91	RES-CHIP	1M	5%	1/10W
R005	1-216-033-00	RES-CHIP	220	5%	1/10W
R006	1-216-033-00	RES-CHIP	220	5%	1/10W
R007	1-216-073-00	RES-CHIP	10K	5%	1/10W
R008	1-216-033-00	RES-CHIP	220	5%	1/10W
R009	1-216-073-00	RES-CHIP	10K	5%	1/10W
R010	1-216-041-00	RES-CHIP	470	5%	1/10W
R011	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R012	1-216-033-00	RES-CHIP	220	5%	1/10W
R013	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R014	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R015	1-216-073-00	RES-CHIP	10K	5%	1/10W
R016	1-216-073-00	RES-CHIP	10K	5%	1/10W
R019	1-249-425-11	CARBON	4.7K	5%	1/4W
R020	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R021	1-216-073-00	RES-CHIP	10K	5%	1/10W
R022	1-249-429-11	CARBON	10K	5%	1/4W
R023	1-249-437-11	CARBON	47K	5%	1/4W
R024	1-249-417-11	CARBON	1K	5%	1/4W
R025	1-216-041-00	RES-CHIP	470	5%	1/10W
R026	1-216-121-91	RES-CHIP	1M	5%	1/10W
R027	1-249-417-11	CARBON	1K	5%	1/4W

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Note:

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

Note:

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

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R028	1-249-429-11	CARBON	10K	5%	1/4W
R029	1-216-025-91	RES-CHIP	100	5%	1/10W
R030	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R031	1-216-033-00	RES-CHIP	220	5%	1/10W
R032	1-249-409-11	CARBON	220	5%	1/4W
R033	1-249-425-11	CARBON	4.7K	5%	1/4W
R034	1-216-295-91	SHORT			
R035	1-216-041-00	RES-CHIP	470	5%	1/10W
R036	1-249-417-11	CARBON	1K	5%	1/4W
R037	1-249-417-11	CARBON	1K	5%	1/4W
R038	1-249-417-11	CARBON	1K	5%	1/4W
R040	1-249-409-11	CARBON	220	5%	1/4W
R041	1-216-295-91	SHORT			
R043	1-249-409-11	CARBON	220	5%	1/4W
R044	1-249-417-11	CARBON	1K	5%	1/4W
R045	1-216-033-00	RES-CHIP	220	5%	1/10W
R046	1-216-033-00	RES-CHIP	220	5%	1/10W
R047	1-216-049-91	RES-CHIP	1K	5%	1/10W
R048	1-249-417-11	CARBON	1K	5%	1/4W
R049	1-249-417-11	CARBON	1K	5%	1/4W
R052	1-216-049-91	RES-CHIP	1K	5%	1/10W
R053	1-216-025-91	RES-CHIP	100	5%	1/10W
R055	1-216-097-91	RES-CHIP	100K	5%	1/10W
R056	1-249-409-11	CARBON	220	5%	1/4W
R057	1-216-049-91	RES-CHIP	1K	5%	1/10W
R060	1-216-073-00	RES-CHIP	10K	5%	1/10W
R061	1-216-073-00	RES-CHIP	10K	5%	1/10W
R062	1-216-073-00	RES-CHIP	10K	5%	1/10W
R063	1-216-073-00	RES-CHIP	10K	5%	1/10W
R064	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R065	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R066	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R067	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R068	1-249-429-11	CARBON	10K	5%	1/4W
R069	1-249-429-11	CARBON	10K	5%	1/4W
R070	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R071	1-249-409-11	CARBON	220	5%	1/4W
R072	1-216-033-00	RES-CHIP	220	5%	1/10W
R073	1-249-409-11	CARBON	220	5%	1/4W
R074	1-216-033-00	RES-CHIP	220	5%	1/10W
R075	1-249-409-11	CARBON	220	5%	1/4W
R076	1-216-033-00	RES-CHIP	220	5%	1/10W
R078	1-249-417-11	CARBON	1K	5%	1/4W
R079	1-216-033-00	RES-CHIP	220	5%	1/10W
R081	1-247-807-31	CARBON	100	5%	1/4W
R082	1-247-807-31	CARBON	100	5%	1/4W
R083	1-249-429-11	CARBON	10K	5%	1/4W
R085	1-249-425-11	CARBON	4.7K	5%	1/4W
R086	1-216-073-00	RES-CHIP	10K	5%	1/10W
R089	1-216-073-00	RES-CHIP	10K	5%	1/10W
R090	1-249-409-11	CARBON	220	5%	1/4W
R096	1-216-033-00	RES-CHIP	220	5%	1/10W
R097	1-249-425-11	CARBON	4.7K	5%	1/4W
R099	1-249-425-11	CARBON	4.7K	5%	1/4W
R106	1-216-081-00	RES-CHIP	22K	5%	1/10W
R107	1-216-081-00	RES-CHIP	22K	5%	1/10W
R108	1-216-081-00	RES-CHIP	22K	5%	1/10W
R109	1-216-081-00	RES-CHIP	22K	5%	1/10W
R133	1-216-037-00	RES-CHIP	330	5%	1/10W
R302	1-208-291-11	RES-CHIP	4.7M	5%	1/10W
R304	1-216-033-00	RES-CHIP	220	5%	1/10W
R305	1-249-409-11	CARBON	220	5%	1/4W
R306	1-249-409-11	CARBON	220	5%	1/4W
R307	1-216-295-91	SHORT			
R309	1-216-295-91	SHORT			
R311	1-216-073-00	RES-CHIP	10K	5%	1/10W
R313	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R314	1-216-073-00	RES-CHIP	10K	5%	1/10W
R315	1-216-073-00	RES-CHIP	10K	5%	1/10W
R316	1-216-073-00	RES-CHIP	10K	5%	1/10W
R319	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R320	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R321	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R325	1-216-033-00	RES-CHIP	220	5%	1/10W
R326	1-216-085-00	RES-CHIP	33K	5%	1/10W
R327	1-216-033-00	RES-CHIP	220	5%	1/10W
R330	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R331	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R332	1-216-033-00	RES-CHIP	220	5%	1/10W
R334	1-216-033-00	RES-CHIP	220	5%	1/10W
R335	1-216-033-00	RES-CHIP	220	5%	1/10W
R336	1-216-049-91	RES-CHIP	1K	5%	1/10W
R337	1-216-347-11	METAL OXIDE	0.68	5%	1W
R340	1-216-105-91	RES-CHIP	220K	5%	1/10W
R341	1-216-073-00	RES-CHIP	10K	5%	1/10W
R342	1-216-097-91	RES-CHIP	100K	5%	1/10W
R343	1-216-093-91	RES-CHIP	68K	5%	1/10W
R344	1-216-073-00	RES-CHIP	10K	5%	1/10W
R346	1-216-023-00	RES-CHIP	82	5%	1/10W
R347	1-216-041-00	RES-CHIP	470	5%	1/10W
R348	1-216-033-00	RES-CHIP	220	5%	1/10W
R349	1-216-041-00	RES-CHIP	470	5%	1/10W
R350	1-247-807-31	CARBON	100	5%	1/4W
R352	1-216-073-00	RES-CHIP	10K	5%	1/10W
R353	1-216-295-91	SHORT			
R354	1-216-073-00	RES-CHIP	10K	5%	1/10W
R355	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R356	1-216-025-91	RES-CHIP	100	5%	1/10W

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Note:

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

Note:

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.

REF.NO.		PART NO.	DESCRIPTION	REMARK		
R358		1-216-295-91	SHORT			
R359		1-216-073-00	RES-CHIP	10K	5%	1/10W
R360		1-249-409-11	CARBON	220	5%	1/4W
R361		1-216-049-91	RES-CHIP	1K	5%	1/10W
R362		1-216-073-00	RES-CHIP	10K	5%	1/10W
R370		1-216-049-91	RES-CHIP	1K	5%	1/10W
R372		1-216-097-91	RES-CHIP	100K	5%	1/10W
R373		1-216-121-91	RES-CHIP	1M	5%	1/10W
R374		1-216-041-00	RES-CHIP	470	5%	1/10W
R375		1-216-049-91	RES-CHIP	1K	5%	1/10W
R376		1-216-025-91	RES-CHIP	100	5%	1/10W
R378		1-216-083-00	RES-CHIP	27K	5%	1/10W
R383		1-216-025-91	RES-CHIP	100	5%	1/10W
R384		1-216-037-00	RES-CHIP	330	5%	1/10W
R385		1-249-425-11	CARBON	4.7K	5%	1/4W
R386		1-249-429-11	CARBON	10K	5%	1/4W
R387		1-216-037-00	RES-CHIP	330	5%	1/10W
R398		1-216-095-00	RES-CHIP	82K	5%	1/10W
R501		1-216-041-00	RES-CHIP	470	5%	1/10W
R502		1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R503		1-249-425-11	CARBON	4.7K	5%	1/4W
R504		1-216-455-21	METAL OXIDE	560	5%	2W
R505		1-249-433-11	CARBON	22K	5%	1/4W
R506		1-215-861-00	METAL OXIDE	47	5%	1W
R507		1-249-401-11	CARBON	47	5%	1/4W
R508		1-249-425-11	CARBON	4.7K	5%	1/4W
R509		1-260-328-11	CARBON	1K	5%	1/2W
R510	⚠	1-215-883-11	METAL OXIDE	33	5%	2W
R512		1-215-910-00	METAL OXIDE	68	5%	3W
R514		1-216-081-00	RES-CHIP	22K	5%	1/10W
R515		1-208-812-11	METAL CHIP	18K	0.50%	1/10W
R516		1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
R517		1-249-417-11	CARBON	1K	5%	1/4W
R518		1-216-073-00	RES-CHIP	10K	5%	1/10W
R519		1-249-413-11	CARBON	470	5%	1/4W
R520		1-215-907-11	METAL OXIDE	22	5%	3W
R521		1-216-081-00	RES-CHIP	22K	5%	1/10W
R523		1-208-808-11	METAL CHIP	12K	0.50%	1/10W
R524		1-249-429-11	CARBON	10K	5%	1/4W
R525		1-208-804-11	METAL CHIP	8.2K	0.50%	1/10W
R526		1-215-905-11	METAL OXIDE	10	5%	3W
R527		1-216-097-91	RES-CHIP	100K	5%	1/10W
R528		1-208-814-91	METAL CHIP	22K	0.50%	1/10W
R529		1-208-814-91	METAL CHIP	22K	0.50%	1/10W
⧓R530	⚠	1-208-808-11	METAL CHIP	12K	0.50%	1/10W
⧓R531	⚠	1-216-091-00	RES-CHIP	56K	5%	1/10W
R532		1-208-760-11	METAL CHIP	120	0.50%	1/10W
R533		1-215-902-11	METAL OXIDE	47K	5%	1W
R536	⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R537	⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R538		1-247-887-00	CARBON	220K	5%	1/4W
R539		1-215-891-11	METAL OXIDE	680	5%	2W
R540		1-208-826-11	METAL CHIP	68K	0.50%	1/10W
R541		1-215-919-11	METAL OXIDE	2.2K	5%	3W
R542		1-215-921-11	METAL OXIDE	4.7K	5%	3W
R543	⚠	1-249-377-11	CARBON	0.47	5%	1/4W
R544		1-216-113-00	RES-CHIP	470K	5%	1/10W
R545	⚠	1-249-387-11	CARBON	3.3	5%	1/4W
R546		1-215-453-00	METAL	22K	1%	1/4W
R547		1-215-457-00	METAL	33K	1%	1/4W
R548		1-215-921-11	METAL OXIDE	4.7K	5%	3W
R549		1-215-437-00	METAL	4.7K	1%	1/4W
R550	⚠	1-249-377-11	CARBON	0.47	5%	1/4W
R551		1-215-873-00	METAL OXIDE	4.7K	5%	1W
R552		1-216-455-21	METAL OXIDE	560	5%	2W
R553	⚠	1-260-288-11	CARBON	0.47	5%	1/2W
R554		1-215-894-11	METAL OXIDE	2.2K	5%	2W
R555		1-249-441-11	CARBON	100K	5%	1/4W
R556		1-249-441-11	CARBON	100K	5%	1/4W
R557		1-249-441-11	CARBON	100K	5%	1/4W
R559		1-216-017-91	RES-CHIP	47	5%	1/10W
R560		1-215-919-11	METAL OXIDE	2.2K	5%	3W
R561		1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R563		1-214-798-21	METAL	1.8	1%	1/2W
R565		1-215-889-00	METAL OXIDE	330	5%	2W
R566		1-208-802-11	METAL CHIP	6.8K	0.50%	1/10W
R567	⚠	1-249-385-11	CARBON	2.2	5%	1/4W
R568		1-208-802-11	METAL CHIP	6.8K	0.50%	1/10W
R569		1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R570		1-216-097-91	RES-CHIP	100K	5%	1/10W
R571		1-216-081-00	RES-CHIP	22K	5%	1/10W
R572		1-216-081-00	RES-CHIP	22K	5%	1/10W
R573		1-216-097-91	RES-CHIP	100K	5%	1/10W
R574		1-214-798-21	METAL	1.8	1%	1/2W
R576		1-215-905-11	METAL OXIDE	10	5%	3W
R577		1-216-049-91	RES-CHIP	1K	5%	1/10W
R578		1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R580		1-249-441-11	CARBON	100K	5%	1/4W
R581		1-247-887-00	CARBON	220K	5%	1/4W
R582		1-249-421-11	CARBON	2.2K	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	RES-CHIP	10K	5%	1/10W
R1005		1-216-073-00	RES-CHIP	10K	5%	1/10W
R1006		1-216-025-91	RES-CHIP	100	5%	1/10W
R1007		1-216-025-91	RES-CHIP	100	5%	1/10W
R1011		1-249-387-11	CARBON	3.3	5%	1/4W
R1012		1-216-049-91	RES-CHIP	1K	5%	1/10W

A

Note:

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Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1030	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1031	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1101	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1102	1-215-900-11	METAL OXIDE	22K	5%	2W
R1103	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1104	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1105	1-216-085-00	RES-CHIP	33K	5%	1/10W
R1106	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1107	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1108	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1109	1-216-025-91	RES-CHIP	100	5%	1/10W
R1110	1-216-025-91	RES-CHIP	100	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	RES-CHIP	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
R1123	1-216-037-00	RES-CHIP	330	5%	1/10W
R1128	1-216-037-00	RES-CHIP	330	5%	1/10W
R1129	1-216-295-91	SHORT			
R1301	1-249-401-11	CARBON	47	5%	1/4W
R1302	1-249-401-11	CARBON	47	5%	1/4W
R1303	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1304	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R1305	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R1306	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1313	1-216-295-91	SHORT			
R1314	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1315	1-216-025-91	RES-CHIP	100	5%	1/10W
R1316	1-216-091-00	RES-CHIP	56K	5%	1/10W
R1317	1-216-105-91	RES-CHIP	220K	5%	1/10W
R1318	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1319	1-260-290-71	CARBON	0.68	5%	1/2W
R1320	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1321	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1322	1-216-047-91	RES-CHIP	820	5%	1/10W
R1323	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1324	1-216-295-91	SHORT			
R1325	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1330	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1333	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1337	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1358	1-216-025-91	RES-CHIP	100	5%	1/10W
R1359	1-216-025-91	RES-CHIP	100	5%	1/10W
R1360	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1361	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1362	1-216-113-00	RES-CHIP	470K	5%	1/10W
R1363	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1364	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1365	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1366	1-216-107-00	RES-CHIP	270K	5%	1/10W
R1369	1-216-093-91	RES-CHIP	68K	5%	1/10W
R1371	1-216-295-91	SHORT			
R1373	1-216-025-91	RES-CHIP	100	5%	1/10W
R1374	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1385	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1387	1-249-429-11	CARBON	10K	5%	1/4W
R1389	1-216-025-91	RES-CHIP	100	5%	1/10W
R1390	1-249-417-11	CARBON	1K	5%	1/4W
R1391	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1392	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1395	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1397	1-216-025-91	RES-CHIP	100	5%	1/10W
R1398	1-216-033-00	RES-CHIP	220	5%	1/10W

SWITCH

S501		1-572-707-11	SWITCH, LEVER
S502		1-572-707-11	SWITCH, LEVER

TRANSFORMER

T501		1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE
T502	⚠	1-426-981-11	TRANSFORMER, FERRITE (PMT)
T503	⚠	1-453-338-21	FBT ASSY, NX-4600
T504	⚠	1-424-584-11	TRANSFORMER, DYNAMIC FOCUS
T505	⚠	1-435-098-11	TRANSFORMER, HORIZONTAL LINEAR

THERMISTOR

TH501		1-800-193-00	THERMISTOR

TUNER

TU102	⚠	8-598-542-00	TUNER, FSS BTF-WA412

CRYSTAL

X001		1-781-931-21	VIBRATOR, CRYSTAL
X302		1-567-505-11	OSCILLATOR, CRYSTAL

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AK

REF.NO.	PART NO.	DESCRIPTION	REMARK
AK			
*	A-1299-265-A	AK COMPLETE PC BOARD (KV-36FS12 ONLY)	
*	A-1299-235-A	AK COMPLETE PC BOARD (KV-36FS16 ONLY)	
*	A-1299-281-A	AK COMPLETE PC BOARD (KV-36FV16 ONLY)	
*	A-1299-282-A	AK COMPLETE PC BOARD (KV-36FV26 ONLY)	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
	CAPACITOR		
C101	1-126-960-11	ELECT 1µF (ALL EXCEPT KV-36FS12)	20% 50V
C102	1-164-161-11	CERAMIC CHIP 0.0022µF (ALL EXCEPT KV-36FS12)	10% 50V
C104	1-126-964-11	ELECT 10µF (ALL EXCEPT KV-36FS12)	20% 50V
C106	1-104-664-11	ELECT 47µF (ALL EXCEPT KV-36FS12)	20% 25V
C108	1-126-942-61	ELECT 1000µF (ALL EXCEPT KV-36FS12)	20% 25V
C109	1-163-259-91	CERAMIC CHIP 220PF (ALL EXCEPT KV-36FS12)	5% 50V
C110	1-163-809-11	CERAMIC CHIP 0.047µF (ALL EXCEPT KV-36FS12)	10% 25V
C111	1-126-960-11	ELECT 1µF (ALL EXCEPT KV-36FS12)	20% 50V
C113	1-104-666-11	ELECT 220µF (ALL EXCEPT KV-36FS12)	20% 25V
C115	1-126-960-11	ELECT 1µF (ALL EXCEPT KV-36FS12)	20% 50V
C175	1-126-941-11	ELECT 470µF	20% 25V
C440	1-126-965-11	ELECT 22µF (KV-36FV16/36FV26 ONLY)	20% 50V
C441	1-163-038-91	CERAMIC CHIP 0.1µF (KV-36FV16/36FV26 ONLY)	25V
C442	1-126-960-11	ELECT 1µF (KV-36FV16/36FV26 ONLY)	20% 50V
C443	1-163-038-91	CERAMIC CHIP 0.1µF (KV-36FV16/36FV26 ONLY)	25V
C444	1-164-346-11	CERAMIC CHIP 1µF (KV-36FV16/36FV26 ONLY)	16V
C445	1-163-038-91	CERAMIC CHIP 0.1µF (KV-36FV16/36FV26 ONLY)	25V
C446	1-164-346-11	CERAMIC CHIP 1µF (KV-36FV16/36FV26 ONLY)	16V
C447	1-107-823-11	CERAMIC CHIP 0.47µF (KV-36FV16/36FV26 ONLY)	10% 16V
C448	1-163-017-00	CERAMIC CHIP 0.0047µF (KV-36FV16/36FV26 ONLY)	10% 50V
C449	1-107-823-11	CERAMIC CHIP 0.47µF (KV-36FV16/36FV26 ONLY)	10% 16V
C453	1-163-017-00	CERAMIC CHIP 0.0047µF (KV-36FV16/36FV26 ONLY)	10% 50V
C454	1-163-133-00	CERAMIC CHIP 470PF (KV-36FV16/36FV26 ONLY)	5% 50V
C455	1-163-038-91	CERAMIC CHIP 0.1µF (KV-36FV16/36FV26 ONLY)	25V
C456	1-163-023-00	CERAMIC CHIP 0.015µF (KV-36FV16/36FV26 ONLY)	10% 50V
C457	1-164-161-11	CERAMIC CHIP 0.0022µF (KV-36FV16/36FV26 ONLY)	10% 50V
C1401	1-126-963-11	ELECT 4.7µF	20% 50V
C1402	1-126-968-11	ELECT 100µF	20% 50V
C1403	1-126-963-11	ELECT 4.7µF	20% 50V
C1404	1-126-960-11	ELECT 1µF	20% 50V
C1405	1-126-960-11	ELECT 1µF	20% 50V
C1406	1-164-004-11	CERAMIC CHIP 0.1µF	10% 25V
C1407	1-163-989-11	CERAMIC CHIP 0.033µF	10% 25V
C1408	1-163-989-11	CERAMIC CHIP 0.033µF	10% 25V
C1409	1-164-182-11	CERAMIC CHIP 0.0033µF	10% 50V
C1410	1-163-017-00	CERAMIC CHIP 0.0047µF	10% 50V
C1411	1-164-182-11	CERAMIC CHIP 0.0033µF	10% 50V
C1412	1-163-037-11	CERAMIC CHIP 0.022µF	10% 50V
C1413	1-163-009-11	CERAMIC CHIP 0.001µF	10% 50V
C1414	1-163-009-11	CERAMIC CHIP 0.001µF	10% 50V
C1415	1-126-959-11	ELECT 0.47µF	20% 50V
C1416	1-126-963-11	ELECT 4.7µF	20% 50V
C1417	1-126-959-11	ELECT 0.47µF	20% 50V
C1420	1-163-037-11	CERAMIC CHIP 0.022µF	10% 50V
C1421	1-126-963-11	ELECT 4.7µF	20% 50V
C1422	1-164-004-11	CERAMIC CHIP 0.1µF	10% 25V
C1426	1-126-941-11	ELECT 470µF (ALL EXCEPT KV-36FS12)	20% 25V
C1428	1-126-963-11	ELECT 4.7µF	20% 50V
C1429	1-126-963-11	ELECT 4.7µF	20% 50V
C1450	1-126-963-11	ELECT 4.7µF (KV-36FV16/36FV26 ONLY)	20% 50V
C1451	1-126-963-11	ELECT 4.7µF (KV-36FV16/36FV26 ONLY)	20% 50V
C1452	1-163-986-00	CERAMIC CHIP 0.027µF (KV-36FV16/36FV26 ONLY)	10% 25V
C1461	1-126-960-11	ELECT 1µF	20% 50V
C1462	1-126-960-11	ELECT 1µF	20% 50V
C1464	1-163-038-91	CERAMIC CHIP 0.1µF	25V
C1465	1-126-960-11	ELECT 1µF	20% 50V
C1467	1-104-666-11	ELECT 220µF	20% 25V
C1468	1-126-960-11	ELECT 1µF	20% 50V
C1470	1-126-960-11	ELECT 1µF	20% 50V

AK

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REF.NO.	PART NO.	DESCRIPTION	REMARK
C1471	1-136-165-00	MYLAR 0.1µF 5% 50V	
C1472	1-137-194-81	MYLAR 0.47µF 5% 50V	
C1473	1-128-550-11	ELECT 2200µF 20% 50V	
C1474	1-136-165-00	MYLAR 0.1µF 5% 50V	
C1475	1-128-550-11	ELECT 2200µF 20% 50V	
C1476	1-128-550-11	ELECT 2200µF 20% 50V	
C1477	1-126-971-11	ELECT 470µF 20% 50V	
C1478	1-126-971-11	ELECT 470µF 20% 50V	
C1904	1-102-129-00	CERAMIC 0.01µF 10% 50V	(KV-36FV16/36FV26 ONLY)
C1905	1-126-964-11	ELECT 10µF 20% 50V	(KV-36FV16/36FV26 ONLY)
C1906	1-102-129-00	CERAMIC 0.01µF 10% 50V	(KV-36FV16/36FV26 ONLY)
C1907	1-126-964-11	ELECT 10µF 20% 50V	(KV-36FV16/36FV26 ONLY)
C1908	1-163-009-11	CERAMIC CHIP 0.001µF 10% 50V	(KV-36FV16/36FV26 ONLY)
C1909	1-163-009-11	CERAMIC CHIP 0.001µF 10% 50V	(KV-36FV16/36FV26 ONLY)
C1910	1-163-009-11	CERAMIC CHIP 0.001µF 10% 50V	(KV-36FV16/36FV26 ONLY)
C1911	1-163-009-11	CERAMIC CHIP 0.001µF 10% 50V	(KV-36FV16/36FV26 ONLY)
C1912	1-163-009-11	CERAMIC CHIP 0.001µF 10% 50V	(KV-36FV16/36FV26 ONLY)

CONNECTOR

CN1462*	1-564-507-11	PLUG, CONNECTOR 4P
CN1463*	1-564-509-11	PLUG, CONNECTOR 6P
CN1464*	1-764-333-11	PLUG, CONNECTOR 10P
CN1465*	1-564-507-11	PLUG, CONNECTOR 4P (KV-36FV26 ONLY)
CN1466*	1-564-515-11	PLUG, CONNECTOR 12P
CN1467*	1-564-510-11	PLUG, CONNECTOR 7P (ALL EXCEPT KV-36FS12)
CN1468	1-695-915-11	TAB (CONTACT) (ALL EXCEPT KV-36FS12)

DIODE

D101	8-719-109-89	DIODE MTZJ-T-77-5.6C (ALL EXCEPT KV-36FS12)
D103	8-719-991-33	DIODE 1SS133T-77 (ALL EXCEPT KV-36FS12)
D104	8-719-991-33	DIODE 1SS133T-77 (ALL EXCEPT KV-36FS12)
D105	8-719-991-33	DIODE 1SS133T-77 (KV-36FV16/36FV26 ONLY)
D106	8-719-991-33	DIODE 1SS133T-77 (KV-36FV16/36FV26 ONLY)
D107	8-719-991-33	DIODE 1SS133T-77 (KV-36FV16/36FV26 ONLY)
D108	8-719-110-17	DIODE MTZJ-T-77-10B (ALL EXCEPT KV-36FS12)
D109	8-719-110-17	DIODE MTZJ-T-77-10B (ALL EXCEPT KV-36FS12)
D1461	8-719-991-33	DIODE 1SS133T-77
D1463	8-719-991-33	DIODE 1SS133T-77
D1466	8-719-991-33	DIODE 1SS133T-77
D1467	8-719-924-13	DIODE MTZJ-T-77-22B
D1468	8-719-924-13	DIODE MTZJ-T-77-22B
D1469	8-719-991-33	DIODE 1SS133T-77

IC

IC1401	8-759-578-88	IC BH3868FS-E2
IC1402	8-759-100-96	IC NJM4558M-TE2
IC1403	8-759-537-26	IC TDA7467D013TR (KV-36FV16/36FV26 ONLY)
IC1461 ⚠	8-759-246-70	IC TA8216H
IC1901	8-752-058-68	IC CXA1315M-T4 (KV-36FV16/36FV26 ONLY)
IC1902	8-759-470-63	IC NJM2145M-TE2 (KV-36FV16/36FV26 ONLY)

CHIP CONDUCTOR

JR1901	1-216-295-91	SHORT
JR1902	1-216-295-91	SHORT

COIL

L102	1-414-856-11	INDUCTOR 10µH (ALL EXCEPT KV-36FS12)
L105	1-414-857-11	INDUCTOR 100µH (ALL EXCEPT KV-36FS12)
L1401	1-414-857-11	INDUCTOR 100µH

IC LINK

PS1461 ⚠	1-532-984-11	LINK, IC 2A/90V

TRANSISTOR

Q101	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA (ALL EXCEPT KV-36FS12)
Q105	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX (ALL EXCEPT KV-36FS12)
Q106	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX (ALL EXCEPT KV-36FS12)
Q451	8-729-140-97	TRANSISTOR 2SB734-T-34 (KV-36FV26 ONLY)
Q1461	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX

AK

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REF.NO.	PART NO.	DESCRIPTION	REMARK
Q1462	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1463	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q1464	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q1902	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX (KV-36FV16/36FV26 ONLY)	
Q1903	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX (KV-36FV16/36FV26 ONLY)	
Q1918	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX (KV-36FV16/36FV26 ONLY)	

RESISTOR

REF.NO.	PART NO.	DESCRIPTION		REMARK	
R101	1-216-065-91	RES-CHIP	4.7K	5%	1/10W (ALL EXCEPT KV-36FS12)
R102	1-216-085-00	RES-CHIP	33K	5%	1/10W (ALL EXCEPT KV-36FS12)
R103	1-216-081-00	RES-CHIP	22K	5%	1/10W (ALL EXCEPT KV-36FS12)
R104	1-216-049-91	RES-CHIP	1K	5%	1/10W (ALL EXCEPT KV-36FS12)
R112	1-216-057-00	RES-CHIP	2.2K	5%	1/10W (ALL EXCEPT KV-36FS12)
R113	1-216-097-91	RES-CHIP	100K	5%	1/10W (ALL EXCEPT KV-36FS12)
R114	1-216-121-91	RES-CHIP	1M	5%	1/10W (ALL EXCEPT KV-36FS12)
R115	1-216-073-00	RES-CHIP	10K	5%	1/10W (ALL EXCEPT KV-36FS12)
R116	1-216-073-00	RES-CHIP	10K	5%	1/10W (ALL EXCEPT KV-36FS12)
R117	1-216-065-91	RES-CHIP	4.7K	0.50%	1/10W (ALL EXCEPT KV-36FS12)
R118	1-208-774-11	METAL CHIP	470	0.50%	1/10W (ALL EXCEPT KV-36FS12)
R119	1-208-776-11	METAL CHIP	560	0.50%	1/10W (ALL EXCEPT KV-36FS12)
R440	1-216-049-91	RES-CHIP	1K	5%	1/10W (KV-36FV16/36FV26 ONLY)
R441	1-216-100-00	RES-CHIP	130K	5%	1/10W (KV-36FV16/36FV26 ONLY)
R442	1-216-088-00	RES-CHIP	43K	5%	1/10W (KV-36FV16/36FV26 ONLY)
R443	1-216-053-00	RES-CHIP	1.5K	5%	1/10W (KV-36FV16/36FV26 ONLY)
R444	1-216-089-91	RES-CHIP	47K	5%	1/10W (KV-36FV16/36FV26 ONLY)
R445	1-216-085-00	RES-CHIP	33K	5%	1/10W (KV-36FV16/36FV26 ONLY)
R446	1-216-063-91	RES-CHIP	3.9K	5%	1/10W (KV-36FV16/36FV26 ONLY)
R450	1-216-073-00	RES-CHIP	10K	5%	1/10W (KV-36FV26 ONLY)
R1403	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1404	1-216-295-91	SHORT			
R1406	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1407	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1408	1-216-295-91	SHORT (KV-36FV16/36FV26 ONLY)			
R1409	1-216-295-91	SHORT			
R1410	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1411	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1412	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1413	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1415	1-216-025-91	RES-CHIP	100	5%	1/10W
R1416	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1417	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1418	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1420	1-216-295-91	SHORT (KV-36FS12/36FS16 ONLY)			
R1421	1-216-025-91	RES-CHIP	100	5%	1/10W
R1422	1-216-033-00	RES-CHIP	220	5%	1/10W
R1423	1-216-033-00	RES-CHIP	220	5%	1/10W
R1424	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1425	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1427	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1458	1-216-033-00	RES-CHIP	220	5%	1/10W (KV-36FV16/36FV26 ONLY)
R1459	1-216-033-00	RES-CHIP	220	5%	1/10W (KV-36FV16/36FV26 ONLY)
R1461	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1462	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1464	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1465	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1466	1-216-089-91	RES-CHIP	47K	5%	1/4W
R1467	1-216-073-00	RES-CHIP	10K	5%	1/4W
R1469	1-249-389-11	CARBON	4.7	5%	1/10W
R1470	1-249-389-11	CARBON	4.7	5%	1/10W
R1471	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1472	1-216-077-91	RES-CHIP	15K	5%	1/10W
R1473	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1474	1-216-045-00	RES-CHIP	680	5%	1/10W (KV-36FS12/36FS16 ONLY)
R1474	1-216-025-91	RES-CHIP	100	5%	1/10W (KV-36FV16/36FV26 ONLY)
R1475	1-216-045-00	RES-CHIP	680	5%	1/10W (KV-36FS12/36FS16 ONLY)
R1475	1-216-025-91	RES-CHIP	100	5%	1/10W (KV-36FV16/36FV26 ONLY)
R1480	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1481	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1482	1-216-295-91	SHORT			
R1483	1-216-295-91	SHORT			
R1902	1-216-073-00	RES-CHIP	10K	5%	1/10W (KV-36FV16/36FV26 ONLY)

AK C

Note:

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Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R1904	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R1906	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R1907	1-216-033-00	RES-CHIP 220 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2904	1-216-033-00	RES-CHIP 220 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2905	1-216-033-00	RES-CHIP 220 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2909	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2910	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2912	1-216-065-91	RES-CHIP 4.7K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2913	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2914	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2915	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	
R2916	1-216-073-00	RES-CHIP 10K 5% 1/10W (KV-36FV16/36FV26 ONLY)	

TUNER

TU101 ⚠	8-598-501-20	TUNER, FSS BTF-FA402 (ALL EXCEPT KV-36FS12)	

C

*	A-1331-942-A	C (VAR) MOUNTED PC BOARD	
	4-382-854-11	SCREW (M3X10), P, SW (+)	

CAPACITOR

C1750	1-137-528-11	MYLAR	0.1µF	10%	250V
C1751	1-107-655-11	ELECT	47µF	20%	250V
C1790	1-102-129-00	CERAMIC	0.01µF	10%	50V
C1791	1-126-968-11	ELECT	100µF	20%	50V
C1792	1-102-116-00	CERAMIC	680PF	10%	50V
C1794	1-107-651-11	ELECT	4.7µF	20%	250V
C1795	1-102-074-00	CERAMIC	0.001µF	10%	50V
C1799	1-162-114-00	CERAMIC	0.0047µF		2KV

CONNECTOR

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

DIODE

D1790	8-719-991-33	DIODE 1SS133T-77
D1791	8-719-075-33	DIODE 1N4003GA
D1792	8-719-075-33	DIODE 1N4003GA
D1793	8-719-075-33	DIODE 1N4003GA
D1794	8-719-075-33	DIODE 1N4003GA

IC

IC1701 ⚠	8-759-562-43	IC TDA6108JF/N1B

JACK

J1761 ⚠	1-251-797-11	SOCKET, CRT

COIL

L1790	1-412-537-31	INDUCTOR	100µH

TRANSISTOR

Q1790	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA

RESISTOR

R1750	1-247-870-11	CARBON	43K	5%	1/4W
R1751	1-249-409-11	CARBON	220	5%	1/4W
R1752	1-249-409-11	CARBON	220	5%	1/4W
R1753 ⚠	1-249-409-11	CARBON	220	5%	1/4W
R1763	1-260-099-11	CARBON	1K	5%	1/2W
R1764	1-247-807-31	CARBON	100	5%	1/4W
R1773	1-260-099-11	CARBON	1K	5%	1/2W
R1774	1-247-807-31	CARBON	100	5%	1/4W
R1783	1-260-099-11	CARBON	1K	5%	1/2W
R1784	1-247-807-31	CARBON	100	5%	1/4W
R1788	1-216-349-00	METAL OXIDE	1	5%	1W
R1789	1-249-437-11	CARBON	47K	5%	1/4W
R1792	1-249-409-11	CARBON	220	5%	1/4W
R1793	1-247-866-11	CARBON	30K	5%	1/4W
R1794	1-260-132-11	CARBON	560K	5%	1/2W
R1795	1-260-087-11	CARBON	100	5%	1/2W
R1796 ⚠	1-216-373-11	METAL OXIDE	2.2	5%	2W
R1797	1-260-123-11	CARBON	100K	5%	1/2W

C G

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REF.NO.		PART NO.	DESCRIPTION	REMARK
		VARIABLE RESISTOR		
RV1761		1-241-714-11	RES, ADJ, METAL FILM 110M	

G

	*	**A-1316-397-A**	**G COMPLETE PC BOARD**	
		1-533-223-11	HOLDER, FUSE	
		4-382-854-11	SCREW (M3X10), P, SW (+)	

CAPACITOR

C601		1-136-346-21	MYLAR	0.22µF	20%	125V
C602		1-126-964-11	ELECT	10µF	20%	50V
C603	⚠	1-113-903-11	CERAMIC	1000PF	20%	250V
C604	⚠	1-136-346-21	MYLAR	0.22µF	20%	125V
C605	⚠	1-136-346-21	MYLAR	0.22µF	20%	125V
C606	⚠	1-117-894-11	ELECT	560µF	20%	250V
C607	⚠	1-117-894-11	ELECT	560µF	20%	250V
C608		1-107-824-11	CERAMIC	220PF	5%	1KV
C609		1-136-176-00	MYLAR	0.82µF	5%	50V
C610		1-136-176-00	MYLAR	0.82µF	5%	50V
C611		1-136-169-00	MYLAR	0.22µF	5%	50V
C612		1-136-169-00	MYLAR	0.22µF	5%	50V
C613		1-164-646-11	CERAMIC	2200PF	10%	500V
C614		1-126-963-11	ELECT	4.7µF	20%	50V
C615		1-117-976-11	FILM	0.039µF	5%	800V
C616	⚠	1-113-903-11	CERAMIC	1000PF	20%	250V
C617		1-126-967-11	ELECT	47µF	20%	50V
C618		1-126-968-11	ELECT	100µF	20%	50V
C624		1-126-960-11	ELECT	1µF	20%	50V
C629	⚠	1-107-662-11	ELECT	22µF	20%	250V
C630		1-130-471-00	MYLAR	0.001µF	5%	50V
C631		1-137-605-11	MYLAR	0.01µF	10%	250V
C633		1-130-471-00	MYLAR	0.001µF	5%	50V
C634		1-130-467-00	MYLAR	470PF	5%	50V
C635		1-130-471-00	MYLAR	0.001µF	5%	50V
C636		1-126-965-11	ELECT	22µF	20%	50V
C637		1-126-940-11	ELECT	330µF	20%	25V
C641		1-128-550-11	ELECT	2200µF	20%	50V
C643		1-107-995-11	ELECT	100µF		160V
C647		1-104-665-11	ELECT	100µF	20%	25V
C650		1-104-664-11	ELECT	47µF	20%	25V
C651		1-130-477-00	MYLAR	0.0033µF	5%	50V
C652		1-106-351-00	MYLAR	0.0022µF	20%	200V
C653		1-107-636-11	ELECT	10µF	20%	160V
C656		1-126-964-11	ELECT	10µF	20%	50V
C657		1-136-165-00	MYLAR	0.1µF	5%	50V
C658		1-126-942-61	ELECT	1000µF	20%	25V
C660		1-126-936-11	ELECT	3300µF	20%	16V
C661		1-104-664-11	ELECT	47µF	20%	25V
C662		1-126-933-11	ELECT	100µF	20%	16V
C665		1-104-664-11	ELECT	47µF	20%	25V
C695		1-164-625-11	CERAMIC	680PF	10%	500V
C696		1-164-625-11	CERAMIC	680PF	10%	500V
C697		1-164-625-11	CERAMIC	680PF	10%	500V
C698		1-164-625-11	CERAMIC	680PF	10%	500V
C699		1-136-169-00	MYLAR	0.22µF	5%	50V

CONNECTOR

CN601	*	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P
CN602	*	1-580-844-11	PIN, CONNECTOR (POWER)
CN603	*	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P
CN641	*	1-564-515-11	PLUG, CONNECTOR 12P
CN642	*	1-564-509-11	PLUG, CONNECTOR 6P
CN645		1-695-915-11	TAB (CONTACT)
CN646		1-695-915-11	TAB (CONTACT)

DIODE

D600		8-719-991-33	DIODE 1SS133T-77
D601		8-719-991-33	DIODE 1SS133T-77
D602	⚠	8-719-510-53	DIODE D4SB60L-F
D603		8-719-063-70	DIODE D1NL20U-TA2
D604		8-719-991-33	DIODE 1SS133T-77
D605		8-719-923-83	DIODE MTZJ-T-77-13A
D606		8-719-110-60	DIODE MTZJ-T-77-24B
D607		8-719-109-97	DIODE MTZJ-T-77-6.8B
D608		8-719-109-97	DIODE MTZJ-T-77-6.8B
D612		8-719-991-33	DIODE 1SS133T-77
D613		8-719-991-33	DIODE 1SS133T-77
D614		8-719-991-33	DIODE 1SS133T-77
D621		8-719-911-55	DIODE ERC04-06S
D622		8-719-911-55	DIODE ERC04-06S
D623		8-719-948-45	DIODE ERA22-08TP3
D624		8-719-991-33	DIODE 1SS133T-77
D625		8-719-991-33	DIODE 1SS133T-77
D626		8-719-109-93	DIODE MTZJ-T-77-6.2C
D627		8-719-510-48	DIODE D1N20R-TA
D628		8-719-510-02	DIODE D1NS4-TA2
D629		8-719-052-90	DIODE D1NL40-TA2
D630		8-719-052-90	DIODE D1NL40-TA2
D641		8-719-060-89	DIODE D4SBS6-F
D642		8-719-510-12	DIODE D10SC4M
D643		8-719-062-40	DIODE D4SBL20UF3
D647		8-719-063-70	DIODE D1NL20U-TA2
D648	⚠	8-719-057-52	DIODE EZ0150AV1

G

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REF.NO.		PART NO.	DESCRIPTION	REMARK
D651		8-719-510-02	DIODE D1NS4-TA2	
D652		8-719-510-02	DIODE D1NS4-TA2	
D653		8-719-991-33	DIODE 1SS133T-77	
D698		8-719-991-33	DIODE 1SS133T-77	
D699		8-719-923-86	DIODE MTZJ-T-77-15	

FUSE

F601	⚠	1-532-506-51	FUSE 6.3A/250V	

FERRITE BEAD

FB601		1-410-396-41	FERRITE	0.45µH
FB602		1-410-396-41	FERRITE	0.45µH
FB603		1-410-396-41	FERRITE	0.45µH
FB604		1-410-396-41	FERRITE	0.45µH
FB641		1-410-397-21	FERRITE	1.1µH
FB642		1-410-397-21	FERRITE	1.1µH
FB645		1-410-397-21	FERRITE	1.1µH
FB647		1-410-397-21	FERRITE	1.1µH

IC

IC601	⚠	8-729-045-41	TRANSISTOR MX0842B-F	
IC622		8-759-450-47	IC BA05T	
IC641		8-759-653-07	IC PQ09RD21	
IC643		8-749-012-13	IC DM-58	
IC650		8-759-394-35	IC BA12T	

COIL

L642		1-412-529-11	INDUCTOR	22µH
L650		1-412-519-11	INDUCTOR	3.3µH
L651		1-412-519-11	INDUCTOR	3.3µH
L652		1-412-519-11	INDUCTOR	3.3µH

TRANSISTOR

Q621	⚠	8-729-044-30	TRANSISTOR 2SK2845-LB102	
Q622		8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	
Q623		8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	
Q624		8-729-119-76	TRANSISTOR 2SA1309A-QRSTA	
Q644		8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	
Q645		8-729-119-76	TRANSISTOR 2SA1309A-QRSTA	
Q646		8-729-119-76	TRANSISTOR 2SA1309A-QRSTA	
Q647		8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	
Q648		8-729-922-39	TRANSISTOR 2SD2144S-TP-V	
Q649		8-729-119-76	TRANSISTOR 2SA1309A-QRSTA	
Q650		8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	
Q651		8-729-802-71	TRANSISTOR 2SA1407-E	
Q652		8-729-119-76	TRANSISTOR 2SA1309A-QRSTA	
Q653		8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	

RESISTOR

R601	⚠	1-249-377-11	CARBON	0.47	5%	1/4W
R602		1-249-429-11	CARBON	10K	5%	1/4W
R603	⚠	1-219-776-11	CARBON	2.2M	10%	1/2W
R604		1-249-429-11	CARBON	10K	5%	1/4W
R605		1-249-429-11	CARBON	10K	5%	1/4W
R606		1-249-421-11	CARBON	2.2K	5%	1/4W
R607	⚠	1-202-933-61	FUSIBLE	0.1	10%	1/2W
R608		1-216-369-00	METAL OXIDE	1	5%	2W
R609		1-249-417-11	CARBON	1K	5%	1/4W
R610		1-249-425-11	CARBON	4.7K	5%	1/4W
R611		1-216-369-00	METAL OXIDE	1	5%	2W
R612		1-260-124-11	CARBON	120K	5%	1/2W
R613		1-260-124-11	CARBON	120K	5%	1/2W
R614		1-260-124-11	CARBON	120K	5%	1/2W
R615		1-260-124-11	CARBON	120K	5%	1/2W
R618		1-249-425-11	CARBON	4.7K	5%	1/4W
R619		1-249-425-11	CARBON	4.7K	5%	1/4W
R621		1-249-429-11	CARBON	10K	5%	1/4W
R622		1-249-433-11	CARBON	22K	5%	1/4W
R623	⚠	1-240-257-11	CMT-MELF	3.9	5%	20W
R624	⚠	1-215-485-00	METAL	470K	1%	1/4W
R625	⚠	1-215-485-00	METAL	470K	1%	1/4W
R626		1-249-425-11	CARBON	4.7K	5%	1/4W
R627		1-249-405-11	CARBON	100	5%	1/4W
R631		1-240-205-91	CARBON	22M	5%	1/2W
R632		1-249-421-11	CARBON	2.2K	5%	1/4W
R633		1-249-429-11	CARBON	10K	5%	1/4W
R634		1-249-437-11	CARBON	47K	5%	1/4W
R635		1-247-791-91	CARBON	22	5%	1/4W
R636		1-249-415-11	CARBON	680	5%	1/4W
R637		1-260-302-51	CARBON	6.8	5%	1/2W
R638		1-249-413-11	CARBON	470	5%	1/4W
R639	⚠	1-249-389-11	CARBON	4.7	5%	1/4W
R640		1-215-485-00	METAL	470K	1%	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		1-260-298-51	CARBON	3.3	5%	1/2W
R644		1-249-417-11	CARBON	1K	5%	1/4W
R645		1-249-429-11	CARBON	10K	5%	1/4W
R646		1-249-417-11	CARBON	1K	5%	1/4W
R648		1-249-441-11	CARBON	100K	5%	1/4W
R649		1-249-425-11	CARBON	4.7K	5%	1/4W
R650		1-249-421-11	CARBON	2.2K	5%	1/4W
R652	⚠	1-216-363-00	METAL OXIDE	0.33	5%	2W
R653		1-215-423-00	METAL	1.2K	1%	1/4W

Note:

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Note:

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REF.NO.		PART NO.	DESCRIPTION		REMARK	
R654		1-215-481-00	METAL	330K	1%	1/4W
R655		1-215-469-00	METAL	100K	1%	1/4W
R656		1-249-427-11	CARBON	6.8K	5%	1/4W
R657		1-249-421-11	CARBON	2.2K	5%	1/4W
R659		1-249-429-11	CARBON	10K	5%	1/4W
R660		1-249-393-11	CARBON	10	5%	1/4W
R661	⚠	1-249-419-11	CARBON	1.5K	5%	1/4W
R662		1-215-485-00	METAL	470K	1%	1/4W
R663		1-215-445-00	METAL	10K	1%	1/4W
R664	⚠	1-240-257-11	CMT-MELF	3.9	5%	20W
R665		1-249-425-11	CARBON	4.7K	5%	1/4W
R670		1-260-312-11	CARBON	47	5%	1/2W
R671		1-260-312-11	CARBON	47	5%	1/2W
R680		1-216-364-11	METAL OXIDE	0.39	5%	2W
R681		1-216-365-00	METAL OXIDE	0.47	5%	2W
R699		1-249-429-11	CARBON	10K	5%	1/4W

RELAY

RY600	⚠	1-755-266-11	RELAY, AC POWER
RY601	⚠	1-755-198-11	RELAY

TRANSFORMER

T601	⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)
T602	⚠	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)
T603	⚠	1-429-992-11	TRANSFORMER, CONVERTER (PRT)
T605	⚠	1-433-408-11	TRANSFORMER, CONVERTER (PIT)
T621	⚠	1-431-852-11	TRANSFORMER, CONVERTER (SRT)

THERMISTOR

THP603	1-803-629-11	THERMISTOR, POSITIVE

VARISTOR

VDR601	1-801-074-41	VARISTOR ERZV10D271
VDR602 ⚠	1-801-074-41	VARISTOR ERZV10D271

HA

*	A-1372-634-A	HA MOUNTED PC BOARD (KV-36FV16/36FV26 ONLY)

CAPACITOR

C1234		1-126-960-11	ELECT	1µF	20%	50V
C1235		1-117-534-91	ELECT	1µF	20%	100V
C1239		1-216-295-91	SHORT			

CONNECTOR

CN1232*	1-564-512-11	PLUG, CONNECTOR 9P

DIODE

D1233	8-719-110-17	DIODE MTZJ-T-77-10B

JACK

J1231	1-770-361-11	TERMINAL BLOCK, S

RESISTOR

R201	1-216-049-91	RES-CHIP	1K	5%	1/10W
R202	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R203	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1233	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1235	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1236	1-216-113-00	RES-CHIP	470K	5%	1/10W
R1237	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1238	1-216-113-00	RES-CHIP	470K	5%	1/10W

SWITCH

S2007	1-572-198-11	SWITCH, KEYBOARD
S2008	1-572-198-11	SWITCH, KEYBOARD
S2009	1-572-198-11	SWITCH, KEYBOARD
S2010	1-572-198-11	SWITCH, KEYBOARD

HB

*	A-1372-635-A	HB MOUNTED PC BOARD (KV-36FV16/36FV26 ONLY)

CAPACITOR

C2001	1-104-665-11	ELECT	100µF	20%	25V
C2002	1-164-096-11	CERAMIC	0.01µF		50V

CONNECTOR

CN2001*	1-564-520-11	PLUG, CONNECTOR 5P

HB HS HX

Note:

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Note:

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REF.NO.	PART NO.	DESCRIPTION			REMARK
	DIODE				
D2002	8-719-057-09	DIODE LNJ801LPDJA			
D2003	8-719-057-09	DIODE LNJ801LPDJA			
	IC				
IC2001	8-742-211-20	HYB IC SBX3071-71			
	RESISTOR				
R2001	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2002	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2003	1-216-017-91	RES-CHIP	47	5%	1/10W

HS

*	A-1372-822-A	HS MOUNTED PC BOARD (KV-36FS12/36FS16 ONLY)	

	CAPACITOR				
C1234	1-126-960-11	ELECT	1µF	20%	50V
C1235	1-126-960-11	ELECT	1µF	20%	50V
C2001	1-104-665-11	ELECT	100µF	20%	25V
C2002	1-164-096-11	CERAMIC	0.01µF		50V
	CONNECTOR				
CN1232*	1-564-512-11	PLUG, CONNECTOR 9P			
CN2001*	1-564-508-11	PLUG, CONNECTOR 5P			
	DIODE				
D2002	8-719-070-80	DIODE LNK0120022G			
	IC				
IC2001	8-742-212-20	HYB IC SBX3081-71			
	JACK				
J1231	1-691-110-11	JACK, PIN 3P			

REF.NO.	PART NO.	DESCRIPTION			REMARK
	RESISTOR				
R201	1-249-417-11	CARBON	1K	5%	1/4W
R202	1-249-420-11	CARBON	1.8K	5%	1/4W
R203	1-249-425-11	CARBON	4.7K	5%	1/4W
R1235	1-249-425-11	CARBON	4.7K	5%	1/4W
R1236	1-247-895-91	CARBON	470K	5%	1/4W
R1237	1-249-425-11	CARBON	4.7K	5%	1/4W
R1238	1-247-895-91	CARBON	470K	5%	1/4W
R2002	1-249-417-11	CARBON	1K	5%	1/4W
R2003	1-249-401-11	CARBON	47	5%	1/4W
	SWITCH				
S2007	1-762-816-11	SWITCH, TACTILE			
S2008	1-762-816-11	SWITCH, TACTILE			

HX

*	A-1372-636-A	HX MOUNTED PC BOARD

	CONNECTOR				
CN2002*	1-564-518-11	PLUG, CONNECTOR 3P			
	RESISTOR				
R2010	1-216-047-91	RES-CHIP	820	5%	1/10W
R2011	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2012	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2013	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2014	1-216-025-91	RES-CHIP	100	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			

Note:

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Note:

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T

REF.NO.	PART NO.	DESCRIPTION	REMARK

T

* A-1394-934-A T COMPLETE PC BOARD (KV-36FV26 ONLY)

CAPACITOR

C401	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C402	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C403	1-126-963-11	ELECT	4.7µF	20%	50V
C404	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C405	1-104-664-11	ELECT	47µF	20%	25V
C406	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C407	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C408	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C409	1-126-963-11	ELECT	4.7µF	20%	50V
C410	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C411	1-126-963-11	ELECT	4.7µF	20%	50V
C412	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C413	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C414	1-104-664-11	ELECT	47µF	20%	25V
C415	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C416	1-104-664-11	ELECT	47µF	20%	25V
C417	1-126-963-11	ELECT	4.7µF	20%	50V
C418	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C419	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V
C420	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C421	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C422	1-104-664-11	ELECT	47µF	20%	25V
C423	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C424	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C425	1-104-664-11	ELECT	47µF	20%	25V
C426	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V

CONNECTOR

CN401 *	1-564-519-11	PLUG, CONNECTOR 4P	

DIODE

D401	8-719-109-89	DIODE MTZJ-T-77-5.6C	
D402	8-719-057-93	DIODE SVC203SPA-AL	
D403	8-719-057-93	DIODE SVC203SPA-AL	
D404	8-719-992-13	DIODE DAL5815	
D405	8-719-992-13	DIODE DAL5815	
D406	8-719-992-13	DIODE DAL5815	
D407	8-719-992-13	DIODE DAL5815	
D408	8-719-992-13	DIODE DAL5815	
D409	8-719-992-13	DIODE DAL5815	
D410	8-719-992-13	DIODE DAL5815	
D411	8-719-992-13	DIODE DAL5815	

IC

IC401	8-759-939-73	IC BA3308

COIL

L401	1-411-987-11	COIL (OSC)
L402	1-411-988-11	COIL (OSC)

TRANSISTOR

Q401	8-729-266-83	TRANSISTOR 2SC2668-YTP
Q402	8-729-266-83	TRANSISTOR 2SC2668-YTP
Q403	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA
Q404	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q405	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q406	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2
Q407	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2
Q408	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2
Q409	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2
Q410	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q411	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX

RESISTOR

R401	1-216-089-91	RES-CHIP	47K	5%	1/10W
R402	1-216-089-91	RES-CHIP	47K	5%	1/10W
R403	1-216-089-91	RES-CHIP	47K	5%	1/10W
R404	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R405	1-216-025-91	RES-CHIP	100	5%	1/10W
R406	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R407	1-216-133-00	RES-CHIP	3.3M	5%	1/10W
R408	1-216-089-91	RES-CHIP	47K	5%	1/10W
R409	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R410	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R411	1-216-025-91	RES-CHIP	100	5%	1/10W
R412	1-208-803-11	METAL CHIP	7.5K	0.50%	1/10W
R413	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R414	1-216-073-00	RES-CHIP	10K	5%	1/10W
R415	1-249-411-11	CARBON	330	5%	1/4W
R416	1-216-081-00	RES-CHIP	22K	5%	1/10W
R417	1-216-081-00	RES-CHIP	22K	5%	1/10W
R418	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R419	1-216-073-00	RES-CHIP	10K	5%	1/10W
R420	1-216-111-00	RES-CHIP	390K	5%	1/10W
R421	1-216-025-91	RES-CHIP	100	5%	1/10W
R422	1-216-025-91	RES-CHIP	100	5%	1/10W

T UX

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R423	1-216-111-00	RES-CHIP	390K	5%	1/10W
R424	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R425	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R426	1-208-821-11	METAL CHIP	43K	0.50%	1/10W
R427	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R428	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R429	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R430	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
R431	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
R432	1-208-821-11	METAL CHIP	43K	0.50%	1/10W
R433	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R434	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R435	1-216-001-00	RES-CHIP	10	5%	1/10W
R436	1-216-001-00	RES-CHIP	10	5%	1/10W
R437	1-216-001-00	RES-CHIP	10	5%	1/10W
R438	1-216-001-00	RES-CHIP	10	5%	1/10W
R439	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R460	1-216-059-00	RES-CHIP	2.7K	5%	1/10W

UX

* A-1395-003-A UX COMPLETE PC BOARD (KV-36FV16 ONLY)

* A-1395-004-A UX COMPLETE PC BOARD (KV-36FV26 ONLY)

CAPACITOR

C201	1-128-551-11	ELECT	22µF	20%	25V
C202	1-128-551-11	ELECT	22µF	20%	25V
C203	1-128-551-11	ELECT	22µF	20%	25V
C204	1-126-960-11	ELECT	1µF	20%	50V
C205	1-126-960-11	ELECT	1µF	20%	50V
C231	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C232	1-126-933-11	ELECT	100µF	20%	16V
C233	1-126-933-11	ELECT	100µF	20%	16V
C234	1-126-960-11	ELECT	1µF	20%	50V
C235	1-126-960-11	ELECT	1µF	20%	50V
C236	1-126-933-11	ELECT	100µF	20%	16V
C237	1-126-960-11	ELECT	1µF	20%	50V
C238	1-126-960-11	ELECT	1µF	20%	50V
C241	1-126-941-11	ELECT	470µF	20%	25V
C242	1-126-959-11	ELECT	0.47µF	20%	50V
C243	1-126-959-11	ELECT	0.47µF	20%	50V
C244	1-126-959-11	ELECT	0.47µF	20%	50V
C245	1-126-959-11	ELECT	0.47µF	20%	50V
C264	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V

REF.NO.	PART NO.	DESCRIPTION	REMARK		
C268	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C269	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C272	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C273	1-128-551-11	ELECT	22µF	20%	25V
C277	1-128-551-11	ELECT	22µF	20%	25V
C278	1-128-551-11	ELECT	22µF	20%	25V
C281	1-126-933-11	ELECT	100µF	20%	16V
C284	1-126-941-11	ELECT	470µF	20%	25V
C286	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C287	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C1051	1-126-964-11	ELECT	10µF	20%	50V
C1053	1-126-934-11	ELECT	220µF	20%	16V
C1201	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1202	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C1203	1-126-960-11	ELECT	1µF	20%	50V
C1204	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1205	1-126-933-11	ELECT	100µF	20%	16V
C1207	1-126-963-11	ELECT	4.7µF	20%	50V
C1208	1-126-963-11	ELECT	4.7µF	20%	50V
C1209	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C1210	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C1211	1-126-933-11	ELECT	100µF	20%	16V
C1212	1-126-933-11	ELECT	100µF	20%	16V
C1214	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C1215	1-126-960-11	ELECT	1µF	20%	50V
C1997	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1998	1-104-664-11	ELECT	47µF	20%	16V
C1999	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2000	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2001	1-163-235-11	CERAMIC CHIP (KV-36FV26 ONLY)	22PF	5%	50V
C2002	1-126-933-11	ELECT	100µF	20%	16V
C2003	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2004	1-163-235-11	CERAMIC CHIP (KV-36FV26 ONLY)	22PF	5%	50V
C2005	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C2006	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2007	1-126-926-11	ELECT (KV-36FV26 ONLY)	1000µF	20%	10V
C2008	1-163-038-91	CERAMIC CHIP (KV-36FV26 ONLY)	0.1µF		25V
C2009	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C2011	1-126-967-11	ELECT	47µF	20%	50V
C2013	1-163-038-91	CERAMIC CHIP (KV-36FV26 ONLY)	0.1µF		25V
C2014	1-163-009-11	CERAMIC CHIP (KV-36FV26 ONLY)	0.001µF	10%	50V
C2015	1-216-295-91	SHORT			
C2016	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2017	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
C2018	1-165-319-11	CERAMIC CHIP	0.1µF		50V

UX

Note:

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Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
C2019	1-126-960-11	ELECT (KV-36FV26 ONLY)	1µF	20%	50V
C2020	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2021	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2022	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2023	1-126-967-11	ELECT	47µF	20%	50V
C2024	1-216-295-91	SHORT			
C2025	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2026	1-126-967-11	ELECT	47µF	20%	50V
C2027	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2028	1-126-941-11	ELECT	470µF	20%	25V
C2029	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2030	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2031	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2032	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2033	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2034	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2035	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2036	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2037	1-104-664-11	ELECT	47µF	20%	16V
C2038	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2039	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2040	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2041	1-126-940-11	ELECT	330µF	20%	25V
C2042	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2044	1-104-664-11	ELECT	47µF	20%	16V
C2045	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C2046	1-126-964-11	ELECT	10µF	20%	50V
C2047	1-164-505-11	CERAMIC CHIP	2.2µF		16V
C2048	1-126-964-11	ELECT	10µF	20%	50V
C2049	1-126-960-11	ELECT	1µF	20%	50V
C2050	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2051	1-126-964-11	ELECT (KV-36FV26 ONLY)	10µF	20%	50V
C2052	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C2053	1-126-960-11	ELECT	1µF	20%	50V
C2054	1-104-664-11	ELECT	47µF	20%	16V
C2055	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2056	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2057	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2060	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2061	1-126-941-11	ELECT	470µF	20%	25V
C2062	1-104-664-11	ELECT	47µF	20%	16V
C2063	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2064	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2065	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2066	1-104-664-11	ELECT	47µF	20%	16V
C2067	1-104-664-11	ELECT	47µF	20%	16V
C2068	1-104-664-11	ELECT	47µF	20%	16V
C2069	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2070	1-104-664-11	ELECT	47µF	20%	16V
C2071	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2072	1-126-933-11	ELECT (KV-36FV26 ONLY)	100µF	20%	16V
C2073	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V
C2074	1-163-275-11	CERAMIC CHIP (KV-36FV26 ONLY)	0.001µF	5%	50V
C2090	1-126-964-11	ELECT	10µF	20%	50V
C2095	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2096	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2097	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2129	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2137	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C2201	1-126-965-11	ELECT	22µF	20%	50V
C2202	1-126-933-11	ELECT	100µF	20%	16V
C2203	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3301	1-104-664-11	ELECT	47µF	20%	25V
C3302	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C3303	1-126-961-11	ELECT	2.2µF	20%	50V
C3304	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3305	1-126-961-11	ELECT	2.2µF	20%	50V
C3306	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3307	1-126-964-11	ELECT	10µF	20%	50V
C3308	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3309	1-126-964-11	ELECT	10µF	20%	50V
C3311	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3312	1-126-964-11	ELECT	10µF	20%	50V
C3313	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3314	1-216-295-91	SHORT			
C3315	1-216-295-91	SHORT			
C3316	1-216-295-91	SHORT			
C3317	1-104-666-11	ELECT	220µF	20%	25V
C3318	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3319	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C3320	1-104-664-11	ELECT	47µF	20%	16V
C3321	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C3322	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C3323	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3325	1-104-664-11	ELECT	47µF	20%	16V
C3327	1-126-941-11	ELECT	470µF	20%	25V
C3328	1-126-941-11	ELECT	470µF	20%	25V
C3329	1-104-664-11	ELECT	47µF	20%	16V
C3349	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C3350	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C3354	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C3357	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C3358	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C3368	1-216-295-91	SHORT			

UX

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REF.NO.	PART NO.	DESCRIPTION	REMARK
C3369	1-163-031-11	CERAMIC CHIP 0.01µF 50V	
C3370	1-163-031-11	CERAMIC CHIP 0.01µF 50V	
C3371	1-163-031-11	CERAMIC CHIP 0.01µF 50V	
		CONNECTOR	
CN261 *	1-564-510-11	PLUG, CONNECTOR 7P	
CN265 *	1-764-333-11	PLUG, CONNECTOR 10P	
		DIODE	
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	
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-T1	
D246	8-719-157-94	DIODE RD3.3SB-T1	
D248	8-719-157-94	DIODE RD3.3SB-T1	
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	8-719-073-01	DIODE MA111-TX	
D1052	8-719-073-01	DIODE MA111-TX	
D1053	1-216-295-91	SHORT	
D1054	1-216-295-91	SHORT	
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	
		FERRITE BEAD	
FB2003	1-414-233-22	INDUCTOR CHIP 0µH	
FB2004	1-414-230-22	INDUCTOR CHIP 0µH	
FB2006	1-414-230-22	INDUCTOR CHIP 0µH	
FB2007	1-414-230-22	INDUCTOR CHIP 0µH	
FB2008	1-414-230-22	INDUCTOR CHIP 0µH	
FB2009	1-414-233-22	INDUCTOR CHIP 0µH	
FB3301	1-216-295-91	SHORT	
FB3302	1-414-230-22	INDUCTOR CHIP 0µH	
FB3303	1-414-230-22	INDUCTOR CHIP 0µH	
FB3304	1-414-230-22	INDUCTOR CHIP 0µH	
FB3305	1-414-230-22	INDUCTOR CHIP 0µH	
		FILTER	
FL2001	1-239-848-21	FILTER, LOW PASS	
FL2002	1-239-848-21	FILTER, LOW PASS	
FL2003	1-239-848-21	FILTER, LOW PASS	
FL2004	1-239-848-21	FILTER, LOW PASS	
		IC	
IC261	8-752-066-69	IC CXA1845Q	
IC1051	8-752-058-68	IC CXA1315M-T4	
IC2003	8-759-568-27	IC UPD424210LE-60-E2	
IC2004	8-759-594-44	IC UPD64082GF-3BA	
IC2005	8-759-583-47	IC UPC2933T-E1	
IC2006	8-759-358-38	IC NJM78M05DLA(TE1)	
IC2009	8-752-395-13	IC CXD2085M-T4 (KV-36FV26 ONLY)	
IC3302	8-759-358-38	IC NJM78M05DLA(TE1)	
IC3303	8-759-658-34	IC SDA9588X	
IC3308	8-759-932-69	IC BU4053BCF-T2	
IC3310	8-759-583-47	IC UPC2933T-E1	
		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	
J236	1-774-358-11	JACK BLOCK, PIN	
J902	1-764-143-11	JACK	
J903	1-764-143-11	JACK	
J904	1-764-143-11	JACK	
J905	1-764-143-11	JACK	
		CHIP CONDUCTOR	
JR1001	1-216-295-91	SHORT	
JR1002	1-216-295-91	SHORT	
JR1003	1-216-295-91	SHORT	
JR1004	1-216-295-91	SHORT	
JR1021	1-216-295-91	SHORT	
JR1022	1-216-295-91	SHORT	
JR1023	1-216-295-91	SHORT	
JR2009	1-216-295-91	SHORT	
JR2010	1-216-295-91	SHORT	
JR2011	1-216-295-91	SHORT	
JR2012	1-216-295-91	SHORT	

UX

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REF.NO.	PART NO.	DESCRIPTION	REMARK
JR2013	1-216-295-91	SHORT	
JR2014	1-216-295-91	SHORT	
JR3014	1-216-295-91	SHORT	

COIL

L261	1-414-857-11	INDUCTOR	100µH
L1201	1-408-591-11	INDUCTOR	1µH
L1202	1-408-591-11	INDUCTOR	1µH
L1203	1-408-591-11	INDUCTOR	1µH
L2001	1-412-056-11	INDUCTOR CHIP	4.7µH
L2002	1-412-058-11	INDUCTOR CHIP	10µH
L2004	1-412-058-11	INDUCTOR CHIP	10µH
L2005	1-410-494-11	INDUCTOR	1mH
L2006	1-412-058-11	INDUCTOR CHIP	10µH
L2011	1-410-116-11	INDUCTOR (KV-36FV26 ONLY)	560µH
L2012	1-410-116-11	INDUCTOR	560µH
L3301	1-414-856-11	INDUCTOR	10µH
L3302	1-410-473-11	INDUCTOR	18µH
L3303	1-410-476-11	INDUCTOR	33µH
L3304	1-414-856-11	INDUCTOR	10µH
L3305	1-414-856-11	INDUCTOR	10µH
L3306	1-414-856-11	INDUCTOR	10µH
L3307	1-414-856-11	INDUCTOR	10µH
L3308	1-414-856-11	INDUCTOR	10µH

TRANSISTOR

Q201	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q202	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q203	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q204	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q205	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q206	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q207	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q208	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q209	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q210	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q211	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q231	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q233	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q234	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q235	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q236	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q237	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q238	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q239	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q246	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q262	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q263	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q264	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q265	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q268	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q1051	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q1201	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q1202	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q1203	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q1204	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q1205	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q1206	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q1207	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q1208	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q2001	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX (KV-36FV26 ONLY)
Q2003	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q2004	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q2005	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2006	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2007	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2008	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2009	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2010	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2011	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2012	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q2013	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q2014	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2015	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2016	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2017	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX (KV-36FV26 ONLY)
Q2018	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q2019	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q2119	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q3301	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX
Q3306	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q3307	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q3312	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q3315	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q3316	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX
Q3317	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX

RESISTOR

R201	1-216-022-00	RES-CHIP	75	5%	1/10W
R202	1-216-022-00	RES-CHIP	75	5%	1/10W
R203	1-216-022-00	RES-CHIP	75	5%	1/10W
R204	1-216-113-00	RES-CHIP	470K	5%	1/10W
R205	1-216-113-00	RES-CHIP	470K	5%	1/10W
R206	1-216-295-91	SHORT			

UX

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R207	1-216-295-91	SHORT			
R208	1-216-295-91	SHORT			
R209	1-216-089-91	RES-CHIP	47K	5%	1/10W
R210	1-216-081-00	RES-CHIP	22K	5%	1/10W
R211	1-216-089-91	RES-CHIP	47K	5%	1/10W
R212	1-216-081-00	RES-CHIP	22K	5%	1/10W
R213	1-216-089-91	RES-CHIP	47K	5%	1/10W
R214	1-216-081-00	RES-CHIP	22K	5%	1/10W
R215	1-216-049-91	RES-CHIP	1K	5%	1/10W
R216	1-216-025-91	RES-CHIP	100	5%	1/10W
R218	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R219	1-216-049-91	RES-CHIP	1K	5%	1/10W
R220	1-216-025-91	RES-CHIP	100	5%	1/10W
R221	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R222	1-216-049-91	RES-CHIP	1K	5%	1/10W
R223	1-216-025-91	RES-CHIP	100	5%	1/10W
R224	1-216-025-91	RES-CHIP	100	5%	1/10W
R225	1-216-025-91	RES-CHIP	100	5%	1/10W
R226	1-216-025-91	RES-CHIP	100	5%	1/10W
R227	1-216-041-00	RES-CHIP	470	5%	1/10W
R228	1-216-049-91	RES-CHIP	1K	5%	1/10W
R229	1-216-049-91	RES-CHIP	1K	5%	1/10W
R230	1-216-089-91	RES-CHIP	47K	5%	1/10W
R231	1-216-022-00	RES-CHIP	75	5%	1/10W
R232	1-216-022-00	RES-CHIP	75	5%	1/10W
R233	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R234	1-216-022-00	RES-CHIP	75	5%	1/10W
R235	1-216-113-00	RES-CHIP	470K	5%	1/10W
R236	1-216-113-00	RES-CHIP	470K	5%	1/10W
R237	1-216-022-00	RES-CHIP	75	5%	1/10W
R238	1-216-113-00	RES-CHIP	470K	5%	1/10W
R239	1-216-113-00	RES-CHIP	470K	5%	1/10W
R241	1-216-113-00	RES-CHIP	470K	5%	1/10W
R242	1-216-049-91	RES-CHIP	1K	5%	1/10W
R243	1-216-113-00	RES-CHIP	470K	5%	1/10W
R244	1-216-049-91	RES-CHIP	1K	5%	1/10W
R245	1-216-022-00	RES-CHIP	75	5%	1/10W
R246	1-216-113-00	RES-CHIP	470K	5%	1/10W
R247	1-216-113-00	RES-CHIP	470K	5%	1/10W
R248	1-216-113-00	RES-CHIP	470K	5%	1/10W
R249	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R250	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R251	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R252	1-216-049-91	RES-CHIP	1K	5%	1/10W
R254	1-216-049-91	RES-CHIP	1K	5%	1/10W
R257	1-216-049-91	RES-CHIP	1K	5%	1/10W
R258	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R259	1-216-049-91	RES-CHIP	1K	5%	1/10W
R260	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R261	1-216-025-91	RES-CHIP	100	5%	1/10W
R262	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R263	1-216-025-91	RES-CHIP	100	5%	1/10W
R264	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R265	1-216-025-91	RES-CHIP	100	5%	1/10W
R266	1-216-025-91	RES-CHIP	100	5%	1/10W
R267	1-216-025-91	RES-CHIP	100	5%	1/10W
R268	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R269	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R270	1-216-049-91	RES-CHIP	1K	5%	1/10W
R271	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R272	1-216-025-91	RES-CHIP	100	5%	1/10W
R273	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R274	1-216-049-91	RES-CHIP	1K	5%	1/10W
R275	1-216-025-91	RES-CHIP	100	5%	1/10W
R276	1-216-295-91	SHORT			
R278	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R279	1-216-025-91	RES-CHIP	100	5%	1/10W
R280	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R281	1-216-025-91	RES-CHIP	100	5%	1/10W
R282	1-216-025-91	RES-CHIP	100	5%	1/10W
R283	1-216-049-91	RES-CHIP	1K	5%	1/10W
R284	1-216-033-00	RES-CHIP	220	5%	1/10W
R285	1-216-033-00	RES-CHIP	220	5%	1/10W
R286	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R287	1-216-025-91	RES-CHIP	100	5%	1/10W
R288	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R289	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R290	1-216-025-91	RES-CHIP	100	5%	1/10W
R291	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R293	1-216-025-91	RES-CHIP	100	5%	1/10W
R294	1-216-077-91	RES-CHIP	15K	5%	1/10W
R295	1-216-025-91	RES-CHIP	100	5%	1/10W
R296	1-216-025-91	RES-CHIP	100	5%	1/10W
R297	1-216-025-91	RES-CHIP	100	5%	1/10W
R300	1-216-025-91	RES-CHIP	100	5%	1/10W
R301	1-216-049-91	RES-CHIP	1K	5%	1/10W
R302	1-216-295-91	SHORT			
R902	1-249-405-11	CARBON	100	5%	1/4W
R921	1-249-405-11	CARBON	100	5%	1/4W
R923	1-249-405-11	CARBON	100	5%	1/4W
R925	1-249-405-11	CARBON	100	5%	1/4W
R926	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1051	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1052	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1054	1-216-025-91	RES-CHIP	100	5%	1/10W
R1057	1-216-025-91	RES-CHIP	100	5%	1/10W
R1058	1-216-025-91	RES-CHIP	100	5%	1/10W
R1059	1-216-065-91	RES-CHIP	4.7K	5%	1/10W

UX

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1062	1-216-033-00	RES-CHIP	220	5%	1/10W
R1063	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1064	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1065	1-216-025-91	RES-CHIP	100	5%	1/10W
R1201	1-216-025-91	RES-CHIP	100	5%	1/10W
R1202	1-216-025-91	RES-CHIP	100	5%	1/10W
R1204	1-216-295-91	SHORT			
R1206	1-216-295-91	SHORT			
R1208	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1209	1-216-295-91	SHORT			
R1210	1-216-295-91	SHORT			
R1212	1-216-295-91	SHORT			
R1213	1-216-295-91	SHORT			
R1215	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R1216	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1217	1-216-091-00	RES-CHIP	56K	5%	1/10W
R1219	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1220	1-216-013-00	RES-CHIP	33	5%	1/10W
R1221	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1222	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1223	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1224	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1225	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1227	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1228	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R1229	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1230	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1233	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1234	1-216-091-00	RES-CHIP	56K	5%	1/10W
R1235	1-216-013-00	RES-CHIP	33	5%	1/10W
R1236	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1237	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1238	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1240	1-216-295-91	SHORT			
R1242	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1243	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1244	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1245	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1261	1-216-025-91	RES-CHIP	100	5%	1/10W
R1263	1-216-295-91	SHORT			
R1264	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1265	1-216-001-00	RES-CHIP	10	5%	1/10W
R1266	1-216-041-00	RES-CHIP	470	5%	1/10W
R1267	1-216-025-91	RES-CHIP	100	5%	1/10W
R1268	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1269	1-216-041-00	RES-CHIP	470	5%	1/10W
R1270	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1271	1-216-001-00	RES-CHIP	10	5%	1/10W
R1272	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R1273	1-208-788-11	METAL CHIP	1.8K	0.50%	1/10W
R1276	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1277	1-216-025-91	RES-CHIP	100	5%	1/10W
R1279	1-216-025-91	RES-CHIP	100	5%	1/10W
R1281	1-216-295-91	SHORT			
R1285	1-216-041-00	RES-CHIP	470	5%	1/10W
R1287	1-216-295-91	SHORT			
R1288	1-216-295-91	SHORT			
R1289	1-216-295-91	SHORT			
R1290	1-216-295-91	SHORT			
R1291	1-216-295-91	SHORT			
R1292	1-216-295-91	SHORT			
R1293	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1294	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1295	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1300	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1304	1-216-041-00	RES-CHIP	470	5%	1/10W
R1305	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1306	1-216-025-91	RES-CHIP	100	5%	1/10W
R1307	1-216-041-00	RES-CHIP	470	5%	1/10W
R1308	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1309	1-216-025-91	RES-CHIP	100	5%	1/10W
R2001	1-216-073-00	RES-CHIP (KV-36FV26 ONLY)	10K	5%	1/10W
R2002	1-216-073-00	RES-CHIP (KV-36FV26 ONLY)	10K	5%	1/10W
R2003	1-216-085-00	RES-CHIP (KV-36FV26 ONLY)	33K	5%	1/10W
R2004	1-216-057-00	RES-CHIP (KV-36FV26 ONLY)	2.2K	5%	1/10W
R2005	1-216-295-91	SHORT (KV-36FV26 ONLY)			
R2006	1-216-065-91	RES-CHIP (KV-36FV26 ONLY)	4.7K	5%	1/10W
R2007	1-216-041-00	RES-CHIP (KV-36FV26 ONLY)	470	5%	1/10W
R2008	1-216-025-91	RES-CHIP (KV-36FV26 ONLY)	100	5%	1/10W
R2009	1-216-025-91	RES-CHIP (KV-36FV26 ONLY)	100	5%	1/10W
R2010	1-216-001-00	RES-CHIP (KV-36FV26 ONLY)	10	5%	1/10W
R2011	1-216-041-00	RES-CHIP	470	5%	1/10W
R2015	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2016	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2017	1-216-295-91	SHORT			
R2018	1-216-295-91	SHORT			
R2019	1-216-295-91	SHORT			
R2022	1-216-049-91	RES-CHIP (KV-36FV26 ONLY)	1K	5%	1/10W

UX

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R2023	1-216-049-91	RES-CHIP (KV-36FV26 ONLY)	1K	5%	1/10W
R2024	1-216-097-91	RES-CHIP	100K	5%	1/10W
R2027	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2028	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2029	1-216-043-91	RES-CHIP	560	5%	1/10W
R2030	1-216-043-91	RES-CHIP	560	5%	1/10W
R2031	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R2032	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R2033	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2034	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2035	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R2036	1-208-775-11	METAL CHIP	510	0.50%	1/10W
R2037	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R2038	1-216-033-00	RES-CHIP	220	5%	1/10W
R2039	1-216-047-91	RES-CHIP	820	5%	1/10W
R2040	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2041	1-216-047-91	RES-CHIP	820	5%	1/10W
R2042	1-216-075-00	RES-CHIP	12K	5%	1/10W
R2043	1-216-085-00	RES-CHIP	33K	5%	1/10W
R2044	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2046	1-216-075-00	RES-CHIP	12K	5%	1/10W
R2047	1-216-085-00	RES-CHIP	33K	5%	1/10W
R2048	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2049	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2050	1-216-017-91	RES-CHIP	47	5%	1/10W
R2051	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2052	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2053	1-216-041-00	RES-CHIP	470	5%	1/10W
R2054	1-216-041-00	RES-CHIP	470	5%	1/10W
R2055	1-216-017-91	RES-CHIP	47	5%	1/10W
R2056	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R2057	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2058	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2059	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2060	1-216-025-91	RES-CHIP	100	5%	1/10W
R2061	1-216-043-91	RES-CHIP	560	5%	1/10W
R2062	1-216-105-91	RES-CHIP	220K	5%	1/10W
R2063	1-216-089-91	RES-CHIP	47K	5%	1/10W
R2064	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2065	1-216-049-91	RES-CHIP (KV-36FV26 ONLY)	1K	5%	1/10W
R2066	1-216-033-00	RES-CHIP	220	5%	1/10W
R2067	1-216-048-00	RES-CHIP	910	5%	1/10W
R2068	1-216-295-91	SHORT			
R2069	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R2070	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R2071	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R2072	1-216-043-91	RES-CHIP	560	5%	1/10W
R2073	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2074	1-216-025-91	RES-CHIP	100	5%	1/10W
R2076	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2077	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2078	1-216-041-00	RES-CHIP	470	5%	1/10W
R2079	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2092	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2093	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R2103	1-216-017-91	RES-CHIP (KV-36FV26 ONLY)	47	5%	1/10W
R2104	1-216-295-91	SHORT			
R2105	1-216-295-91	SHORT			
R2106	1-216-295-91	SHORT			
R2107	1-216-295-91	SHORT			
R2113	1-216-017-91	RES-CHIP	47	5%	1/10W
R2115	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2153	1-216-295-91	SHORT			
R2201	1-216-022-00	RES-CHIP	75	5%	1/10W
R2202	1-216-022-00	RES-CHIP	75	5%	1/10W
R2203	1-216-022-00	RES-CHIP	75	5%	1/10W
R2204	1-216-295-91	SHORT			
R3303	1-216-295-91	SHORT			
R3304	1-216-295-91	SHORT			
R3305	1-216-043-91	RES-CHIP	560	5%	1/10W
R3308	1-216-033-00	RES-CHIP	220	5%	1/10W
R3310	1-216-033-00	RES-CHIP	220	5%	1/10W
R3312	1-216-037-00	RES-CHIP	330	5%	1/10W
R3313	1-216-041-00	RES-CHIP	100	5%	1/10W
R3314	1-216-041-00	RES-CHIP	100	5%	1/10W
R3316	1-216-295-91	SHORT			
R3319	1-216-295-91	SHORT			
R3320	1-216-295-91	SHORT			
R3322	1-216-049-91	RES-CHIP	1K	5%	1/10W
R3323	1-216-049-91	RES-CHIP	1K	5%	1/10W
R3324	1-216-049-91	RES-CHIP	1K	5%	1/10W
R3327	1-216-295-91	SHORT			
R3343	1-216-049-91	RES-CHIP	1K	5%	1/10W
R3344	1-216-049-91	RES-CHIP	1K	5%	1/10W
R3345	1-216-295-91	SHORT			
R3346	1-216-049-91	RES-CHIP	1K	5%	1/10W
R3347	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R3348	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R3350	1-216-295-91	SHORT			
R3355	1-216-295-91	SHORT			
R3357	1-216-295-91	SHORT			
R3358	1-216-033-00	RES-CHIP	220	5%	1/10W
R3359	1-216-047-91	RES-CHIP	820	5%	1/10W
R3360	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
R3361	1-216-045-00	RES-CHIP	680	5%	1/10W

UX UY

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REF.NO.	PART NO.	DESCRIPTION		REMARK	
R3370	1-216-295-91	SHORT			
R3374	1-216-295-91	SHORT			
R3375	1-216-295-91	SHORT			
R3376	1-216-295-91	SHORT			
R3377	1-216-295-91	SHORT			
R3378	1-216-295-91	SHORT			
R3379	1-216-043-91	RES-CHIP	560	5%	1/10W
R3380	1-216-033-00	RES-CHIP	220	5%	1/10W

CRYSTAL

X2001	1-767-606-11	VIBRATOR, CRYSTAL			
X2002	1-767-367-21	VIBRATOR, CERAMIC (KV-36FV26 ONLY)			
X3302	1-781-929-21	VIBRATOR, CRYSTAL			

UY

*	A-1395-000-A	UY COMPLETE PC BOARD (KV-36FS12 ONLY)			
*	A-1394-994-A	UY COMPLETE PC BOARD (KV-36FS16 ONLY)			

CAPACITOR

C201	1-128-551-11	ELECT	22µF	20%	25V
C202	1-128-551-11	ELECT	22µF	20%	25V
C203	1-128-551-11	ELECT	22µF	20%	25V
C204	1-126-960-11	ELECT	1µF	20%	50V
C205	1-126-960-11	ELECT	1µF	20%	50V
C231	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C232	1-126-965-11	ELECT	22µF	20%	50V
C233	1-128-551-11	ELECT	22µF	20%	25V
C234	1-126-960-11	ELECT	1µF	20%	50V
C235	1-126-960-11	ELECT	1µF	20%	50V
C236	1-128-551-11	ELECT	22µF	20%	25V
C237	1-126-960-11	ELECT	1µF	20%	50V
C238	1-126-960-11	ELECT	1µF	20%	50V
C244	1-126-959-11	ELECT	0.47µF	20%	50V
C245	1-126-959-11	ELECT	0.47µF	20%	50V
C264	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C268	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C269	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C272	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C273	1-128-551-11	ELECT	22µF	20%	25V
C277	1-128-551-11	ELECT	22µF	20%	25V
C279	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C281	1-128-551-11	ELECT	22µF	20%	25V
C282	1-126-941-11	ELECT	470µF	20%	25V
C284	1-126-941-11	ELECT	470µF	20%	25V
C286	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C287	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C1053	1-126-934-11	ELECT	220µF	20%	16V
C1201	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1202	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C1203	1-126-960-11	ELECT	1µF	20%	50V
C1204	1-163-809-11	CERAMIC CHIP	0.047µF	10%	25V
C1205	1-126-941-11	ELECT	470µF	20%	25V
C1209	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C1210	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C1211	1-128-551-11	ELECT	22µF	20%	25V
C1212	1-128-551-11	ELECT	22µF	20%	25V
C1213	1-126-941-11	ELECT	470µF	20%	25V
C1214	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C1215	1-126-960-11	ELECT	1µF	20%	50V
C1262	1-216-081-00	RES-CHIP	22K	5%	1/10W
C2000	1-126-941-11	ELECT	470µF	20%	25V
C2002	1-128-551-11	ELECT	22µF	20%	25V
C2012	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C2015	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C2045	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2047	1-126-961-11	ELECT	2.2µF	20%	50V
C2048	1-126-964-11	ELECT	10µF	20%	50V
C2049	1-104-664-11	ELECT	47µF	20%	16V
C2056	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2060	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C2062	1-104-664-11	ELECT	47µF	20%	16V
C2096	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2097	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2168	1-163-253-11	CERAMIC CHIP	120PF	5%	50V
C2201	1-126-965-11	ELECT	22µF	20%	50V
C2202	1-128-551-11	ELECT	22µF	20%	25V
C2203	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3301	1-104-664-11	ELECT (KV-36FS16 ONLY)	47µF	20%	25V
C3302	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3303	1-126-961-11	ELECT (KV-36FS16 ONLY)	2.2µF	20%	50V
C3304	1-163-038-91	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF		25V
C3305	1-126-961-11	ELECT (KV-36FS16 ONLY)	2.2µF	20%	50V
C3306	1-163-038-91	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF		25V
C3307	1-126-964-11	ELECT (KV-36FS16 ONLY)	10µF	20%	50V
C3308	1-163-038-91	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF		25V

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
C3309	1-126-964-11	ELECT (KV-36FS16 ONLY)	10µF	20%	50V
C3311	1-163-038-91	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF		25V
C3312	1-126-964-11	ELECT (KV-36FS16 ONLY)	10µF	20%	50V
C3313	1-163-038-91	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF		25V
C3314	1-216-295-91	SHORT (KV-36FS16 ONLY)			
C3315	1-216-295-91	SHORT (KV-36FS16 ONLY)			
C3316	1-216-295-91	SHORT (KV-36FS16 ONLY)			
C3317	1-104-666-11	ELECT (KV-36FS16 ONLY)	220µF	20%	25V
C3318	1-164-004-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF	10%	25V
C3319	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3320	1-104-664-11	ELECT (KV-36FS16 ONLY)	47µF	20%	16V
C3321	1-163-237-11	CERAMIC CHIP (KV-36FS16 ONLY)	27PF	5%	50V
C3322	1-163-237-11	CERAMIC CHIP (KV-36FS16 ONLY)	27PF	5%	50V
C3323	1-163-038-91	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF		25V
C3325	1-104-664-11	ELECT (KV-36FS16 ONLY)	47µF	20%	16V
C3327	1-126-941-11	ELECT (KV-36FS16 ONLY)	470µF	20%	25V
C3328	1-126-925-11	ELECT (KV-36FS16 ONLY)	470µF	20%	10V
C3329	1-104-664-11	ELECT (KV-36FS16 ONLY)	47µF	20%	16V
C3349	1-163-123-00	CERAMIC CHIP (KV-36FS16 ONLY)	180PF	5%	50V
C3350	1-164-004-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.1µF	10%	25V
C3354	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3357	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3358	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3368	1-216-295-91	SHORT (KV-36FS16 ONLY)			
C3369	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3370	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3371	1-163-031-11	CERAMIC CHIP (KV-36FS16 ONLY)	0.01µF		50V
C3556	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3557	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3558	1-126-964-11	ELECT	10µF	20%	50V
C3559	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3560	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3561	1-126-964-11	ELECT	10µF	20%	50V
C3562	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3563	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3564	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3565	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C3566	1-126-964-11	ELECT	10µF	20%	50V
C3567	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3568	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3569	1-126-964-11	ELECT	10µF	20%	50V
C3570	1-126-964-11	ELECT	10µF	20%	50V
C3571	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3573	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C3574	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3575	1-126-964-11	ELECT	10µF	20%	50V
C3576	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3577	1-126-964-11	ELECT	10µF	20%	50V
C3578	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C3579	1-104-664-11	ELECT	47µF	20%	16V

CONNECTOR

CN261 *	1-564-510-11	PLUG, CONNECTOR 7P (KV-36FS16 ONLY)
CN265 *	1-764-333-11	PLUG, CONNECTOR 10P

DIODE

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
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
D248	8-719-157-94	DIODE RD3.3SB-T1
D261	8-719-032-47	DIODE MTZJ-T-9110

UY

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REF.NO.	PART NO.	DESCRIPTION	REMARK
D1051	8-719-073-01	DIODE MA111-TX	
D1052	8-719-073-01	DIODE MA111-TX	
D1053	1-216-295-91	SHORT	
D1054	1-216-295-91	SHORT	
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	
	FERRITE BEAD		
FB2006	1-414-230-22	INDUCTOR CHIP 0µH	
FB2007	1-414-230-22	INDUCTOR CHIP 0µH	
FB2008	1-414-230-22	INDUCTOR CHIP 0µH	
FB3301	1-216-295-91	SHORT (KV-36FS16 ONLY)	
FB3302	1-414-230-22	INDUCTOR CHIP 0µH (KV-36FS16 ONLY)	
FB3303	1-414-230-22	INDUCTOR CHIP 0µH (KV-36FS16 ONLY)	
FB3304	1-414-230-22	INDUCTOR CHIP 0µH (KV-36FS16 ONLY)	
FB3305	1-414-230-22	INDUCTOR CHIP 0µH (KV-36FS16 ONLY)	
	FILTER		
FL2001	1-239-847-11	FILTER, LOW PASS	
FL2002	1-239-847-11	FILTER, LOW PASS	
FL2004	1-239-847-11	FILTER, LOW PASS	
	IC		
IC261	8-752-066-69	IC CXA1845Q	
IC2006	8-759-358-38	IC NJM78M05DLA(TE1)	
IC3302	8-759-358-38	IC NJM78M05DLA(TE1) (KV-36FS16 ONLY)	
IC3303	8-759-658-34	IC SDA9588X (KV-36FS16 ONLY)	
IC3308	8-759-932-69	IC BU4053BCF-T2 (KV-36FS16 ONLY)	
IC3310	8-759-583-47	IC UPC2933T-E1 (KV-36FS16 ONLY)	
IC3504	8-752-390-37	IC CXD2064Q-T6	
	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	
J236	1-774-358-11	JACK BLOCK, PIN	

REF.NO.	PART NO.	DESCRIPTION	REMARK
	CHIP CONDUCTOR		
JR1001	1-216-295-91	SHORT	
JR1002	1-216-295-91	SHORT	
JR1003	1-216-295-91	SHORT	
JR1004	1-216-295-91	SHORT	
JR1014	1-216-295-91	SHORT	
JR1015	1-216-295-91	SHORT	
JR1016	1-216-295-91	SHORT	
JR1017	1-216-295-91	SHORT	
JR1018	1-216-295-91	SHORT	
JR1019	1-216-295-91	SHORT	
JR1020	1-216-295-91	SHORT	
JR1021	1-216-295-91	SHORT	
JR1022	1-216-295-91	SHORT	
JR1023	1-216-295-91	SHORT	
JR1203	1-216-295-91	SHORT	
	COIL		
L261	1-414-857-11	INDUCTOR 100µH	
L1201	1-408-591-11	INDUCTOR 1µH	
L1202	1-408-591-11	INDUCTOR 1µH	
L2004	1-414-856-11	INDUCTOR 10µH	
L2005	1-410-494-11	INDUCTOR 1mH	
L2009	1-414-856-11	INDUCTOR 10µH	
L3301	1-414-856-11	INDUCTOR 10µH (KV-36FS16 ONLY)	
L3302	1-410-473-11	INDUCTOR 18µH (KV-36FS16 ONLY)	
L3303	1-410-476-11	INDUCTOR 33µH (KV-36FS16 ONLY)	
L3304	1-414-856-11	INDUCTOR 10µH (KV-36FS16 ONLY)	
L3305	1-414-856-11	INDUCTOR 10µH (KV-36FS16 ONLY)	
L3306	1-414-856-11	INDUCTOR 10µH (KV-36FS16 ONLY)	
L3307	1-414-856-11	INDUCTOR 10µH (KV-36FS16 ONLY)	
L3308	1-414-856-11	INDUCTOR 10µH (KV-36FS16 ONLY)	
L3581	1-408-591-11	INDUCTOR 1µH	
L3582	1-408-591-11	INDUCTOR 1µH	
	TRANSISTOR		
Q202	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX (KV-36FS16 ONLY)	
Q203	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX (KV-36FS16 ONLY)	
Q205	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX (KV-36FS16 ONLY)	

UY

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REF.NO.	PART NO.	DESCRIPTION	REMARK
Q206	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(KV-36FS16 ONLY)
Q207	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	(KV-36FS16 ONLY)
Q208	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	(KV-36FS16 ONLY)
Q209	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	(KV-36FS16 ONLY)
Q210	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q211	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q212	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q235	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q236	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q262	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q263	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q264	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q265	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1051	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1201	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1202	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1203	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1204	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1205	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1206	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1207	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1208	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q2003	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q2004	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q2005	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q2006	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q2007	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q2008	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q2009	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q2010	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q2014	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q2018	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q2019	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q3301	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	(KV-36FS16 ONLY)
Q3306	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(KV-36FS16 ONLY)
Q3307	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(KV-36FS16 ONLY)
Q3312	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(KV-36FS16 ONLY)
Q3315	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(KV-36FS16 ONLY)
Q3316	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	(KV-36FS16 ONLY)
Q3317	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	(KV-36FS16 ONLY)

RESISTOR

REF.NO.	PART NO.	DESCRIPTION		REMARK	
R201	1-216-022-00	RES-CHIP	75	5%	1/10W
R202	1-216-022-00	RES-CHIP	75	5%	1/10W
R203	1-216-022-00	RES-CHIP	75	5%	1/10W
R204	1-216-113-00	RES-CHIP	470K	5%	1/10W
R205	1-216-113-00	RES-CHIP	470K	5%	1/10W
R206	1-216-295-91	SHORT			
R207	1-216-295-91	SHORT			
R208	1-216-295-91	SHORT			
R209	1-216-089-91	RES-CHIP	47K	5%	1/10W
R210	1-216-081-00	RES-CHIP	22K	5%	1/10W
R211	1-216-089-91	RES-CHIP	47K	5%	1/10W
R212	1-216-081-00	RES-CHIP	22K	5%	1/10W
R213	1-216-089-91	RES-CHIP	47K	5%	1/10W
R214	1-216-081-00	RES-CHIP	22K	5%	1/10W
R216	1-216-025-91	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R218	1-208-774-11	METAL CHIP (KV-36FS16 ONLY)	470	0.50%	1/10W
R219	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R220	1-216-025-91	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R221	1-208-774-11	METAL CHIP (KV-36FS16 ONLY)	470	0.50%	1/10W
R222	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R223	1-208-758-11	METAL CHIP (KV-36FS16 ONLY)	100	0.50%	1/10W
R225	1-216-025-91	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R226	1-216-025-91	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R227	1-216-041-00	RES-CHIP (KV-36FS16 ONLY)	470	5%	1/10W
R228	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R229	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R231	1-216-022-00	RES-CHIP	75	5%	1/10W
R232	1-216-022-00	RES-CHIP	75	5%	1/10W
R233	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R234	1-216-022-00	RES-CHIP	75	5%	1/10W
R235	1-216-113-00	RES-CHIP	470K	5%	1/10W
R236	1-216-113-00	RES-CHIP	470K	5%	1/10W
R237	1-216-022-00	RES-CHIP	75	5%	1/10W
R238	1-216-113-00	RES-CHIP	470K	5%	1/10W
R239	1-216-113-00	RES-CHIP	470K	5%	1/10W
R241	1-216-113-00	RES-CHIP	470K	5%	1/10W
R242	1-216-049-91	RES-CHIP	1K	5%	1/10W

UY

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R243	1-216-113-00	RES-CHIP	470K	5%	1/10W
R244	1-216-049-91	RES-CHIP	1K	5%	1/10W
R257	1-216-049-91	RES-CHIP	1K	5%	1/10W
R258	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R259	1-216-049-91	RES-CHIP	1K	5%	1/10W
R260	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R261	1-216-025-91	RES-CHIP	100	5%	1/10W
R262	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R263	1-216-025-91	RES-CHIP	100	5%	1/10W
R264	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R265	1-216-025-91	RES-CHIP	100	5%	1/10W
R266	1-216-025-91	RES-CHIP	100	5%	1/10W
R267	1-216-025-91	RES-CHIP	100	5%	1/10W
R268	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R269	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R270	1-216-049-91	RES-CHIP	1K	5%	1/10W
R271	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R272	1-216-025-91	RES-CHIP	100	5%	1/10W
R273	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R274	1-216-049-91	RES-CHIP	1K	5%	1/10W
R275	1-216-025-91	RES-CHIP	100	5%	1/10W
R276	1-216-295-91	SHORT			
R278	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R279	1-216-025-91	RES-CHIP	100	5%	1/10W
R280	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R281	1-216-025-91	RES-CHIP	100	5%	1/10W
R282	1-216-025-91	RES-CHIP	100	5%	1/10W
R283	1-216-049-91	RES-CHIP	1K	5%	1/10W
R284	1-216-033-00	RES-CHIP	220	5%	1/10W
R285	1-216-033-00	RES-CHIP	220	5%	1/10W
R286	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R287	1-216-025-91	RES-CHIP	100	5%	1/10W
R288	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R289	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R290	1-216-025-91	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R291	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R292	1-216-295-91	SHORT			
R293	1-216-025-91	RES-CHIP	100	5%	1/10W
R294	1-216-077-91	RES-CHIP	15K	5%	1/10W
R295	1-216-025-91	RES-CHIP	100	5%	1/10W
R296	1-216-025-91	RES-CHIP	100	5%	1/10W
R297	1-216-025-91	RES-CHIP	100	5%	1/10W
R298	1-216-295-91	SHORT			
R300	1-216-025-91	RES-CHIP	100	5%	1/10W
R301	1-216-049-91	RES-CHIP	1K	5%	1/10W
R302	1-216-295-91	SHORT			
R1062	1-216-033-00	RES-CHIP	220	5%	1/10W
R1063	1-216-073-00	RES-CHIP	10K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1205	1-216-295-91	SHORT			
R1207	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R1209	1-216-295-91	SHORT			
R1210	1-216-295-91	SHORT			
R1215	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R1216	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1217	1-216-091-00	RES-CHIP	56K	5%	1/10W
R1219	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1220	1-216-013-00	RES-CHIP	33	5%	1/10W
R1221	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1222	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1223	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1224	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1225	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1227	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1228	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R1229	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1230	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1231	1-216-295-91	SHORT			
R1233	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1234	1-216-091-00	RES-CHIP	56K	5%	1/10W
R1235	1-216-013-00	RES-CHIP	33	5%	1/10W
R1236	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1237	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1238	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1239	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R1261	1-216-025-91	RES-CHIP	100	5%	1/10W
R1262	1-216-295-91	SHORT			
R1263	1-216-295-91	SHORT			
R1264	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1265	1-216-001-00	RES-CHIP	10	5%	1/10W
R1266	1-216-041-00	RES-CHIP (KV-36FS16 ONLY)	470	5%	1/10W
R1267	1-216-025-91	RES-CHIP	100	5%	1/10W
R1268	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1269	1-216-041-00	RES-CHIP (KV-36FS16 ONLY)	470	5%	1/10W
R1270	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1272	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W
R1273	1-208-788-11	METAL CHIP	1.8K	0.50%	1/10W
R1276	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1277	1-216-025-91	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R1279	1-216-025-91	RES-CHIP	100	5%	1/10W
R1281	1-216-295-91	SHORT			
R1284	1-216-295-91	SHORT			
R1285	1-216-041-00	RES-CHIP (KV-36FS16 ONLY)	470	5%	1/10W
R1287	1-216-295-91	SHORT			
R1288	1-216-295-91	SHORT			

UY

Note:

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Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1289	1-216-295-91	SHORT			
R1290	1-216-295-91	SHORT			
R1291	1-216-295-91	SHORT			
R1292	1-216-295-91	SHORT			
R1304	1-216-041-00	RES-CHIP	470	5%	1/10W
R1305	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1306	1-216-025-91	RES-CHIP	100	5%	1/10W
R1307	1-216-041-00	RES-CHIP	470	5%	1/10W
R1308	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1309	1-216-025-91	RES-CHIP	100	5%	1/10W
R2015	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2016	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2017	1-216-295-91	SHORT			
R2018	1-216-295-91	SHORT			
R2021	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2027	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2028	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2029	1-216-043-91	RES-CHIP	560	5%	1/10W
R2030	1-216-043-91	RES-CHIP	560	5%	1/10W
R2031	1-216-081-00	RES-CHIP	22K	5%	1/10W
R2032	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R2033	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
R2034	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2035	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2036	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R2037	1-208-784-11	METAL CHIP	1.2K	0.50%	1/10W
R2038	1-208-762-11	METAL CHIP	150	0.50%	1/10W
R2039	1-216-047-91	RES-CHIP	820	5%	1/10W
R2040	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2041	1-216-047-91	RES-CHIP	820	5%	1/10W
R2042	1-216-075-00	RES-CHIP	12K	5%	1/10W
R2043	1-216-085-00	RES-CHIP	33K	5%	1/10W
R2044	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
R2046	1-216-075-00	RES-CHIP	12K	5%	1/10W
R2047	1-216-085-00	RES-CHIP	33K	5%	1/10W
R2048	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2050	1-216-017-91	RES-CHIP	47	5%	1/10W
R2051	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2055	1-216-017-91	RES-CHIP	47	5%	1/10W
R2057	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2060	1-216-025-91	RES-CHIP	100	5%	1/10W
R2069	1-208-774-11	METAL CHIP	470	0.50%	1/10W
R2070	1-216-615-91	METAL CHIP	33	0.50%	1/10W
R2071	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R2072	1-216-043-91	RES-CHIP	560	5%	1/10W
R2073	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2074	1-216-025-91	RES-CHIP	100	5%	1/10W
R2081	1-216-075-00	RES-CHIP	12K	5%	1/10W
R2201	1-216-022-00	RES-CHIP	75	5%	1/10W
R2202	1-216-022-00	RES-CHIP	75	5%	1/10W
R2203	1-216-022-00	RES-CHIP	75	5%	1/10W
R2204	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3303	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3304	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3305	1-216-043-91	RES-CHIP (KV-36FS16 ONLY)	560	5%	1/10W
R3308	1-216-033-00	RES-CHIP (KV-36FS16 ONLY)	220	5%	1/10W
R3309	1-216-041-00	RES-CHIP (KV-36FS16 ONLY)	470	5%	1/10W
R3310	1-216-033-00	RES-CHIP (KV-36FS16 ONLY)	220	5%	1/10W
R3312	1-216-037-00	RES-CHIP (KV-36FS16 ONLY)	330	5%	1/10W
R3313	1-216-041-00	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R3314	1-216-041-00	RES-CHIP (KV-36FS16 ONLY)	100	5%	1/10W
R3316	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3319	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3320	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3322	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R3323	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R3324	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R3327	1-216-295-91	SHORT			
R3343	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R3344	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R3345	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3346	1-216-049-91	RES-CHIP (KV-36FS16 ONLY)	1K	5%	1/10W
R3347	1-216-061-00	RES-CHIP (KV-36FS16 ONLY)	3.3K	5%	1/10W
R3348	1-216-057-00	RES-CHIP (KV-36FS16 ONLY)	2.2K	5%	1/10W
R3350	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3355	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3357	1-216-295-91	SHORT (KV-36FS16 ONLY)			

UY WA

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REF.NO.	PART NO.	DESCRIPTION		REMARK	
R3358	1-216-033-00	RES-CHIP (KV-36FS16 ONLY)	220	5%	1/10W
R3359	1-216-047-91	RES-CHIP (KV-36FS16 ONLY)	820	5%	1/10W
R3360	1-216-053-00	RES-CHIP (KV-36FS16 ONLY)	1.5K	5%	1/10W
R3361	1-216-045-00	RES-CHIP (KV-36FS16 ONLY)	680	5%	1/10W
R3370	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3374	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3375	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3376	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3377	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3378	1-216-295-91	SHORT (KV-36FS16 ONLY)			
R3379	1-216-043-91	RES-CHIP (KV-36FS16 ONLY)	560	5%	1/10W
R3381	1-216-033-00	RES-CHIP (KV-36FS16 ONLY)	220	5%	1/10W
R3511	1-216-295-91	SHORT			
R3527	1-216-033-00	RES-CHIP	220	5%	1/10W
R3582	1-216-033-00	RES-CHIP	220	5%	1/10W
R3583	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R3584	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R3585	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R3586	1-216-295-91	SHORT			
R3590	1-216-295-91	SHORT			
R3591	1-216-295-91	SHORT			
R3592	1-216-091-00	RES-CHIP	56K	5%	1/10W
R3593	1-216-043-91	RES-CHIP	560	5%	1/10W
R3594	1-216-295-91	SHORT			
R3595	1-216-295-91	SHORT			
R3599	1-216-295-91	SHORT			

CRYSTAL

X3302	1-781-929-21	VIBRATOR, CRYSTAL (KV-36FS16 ONLY)	

WA

REF.NO.	PART NO.	DESCRIPTION	REMARK
*	A-1375-191-A	WA COMPLETE PC BOARD	
	4-382-854-11	SCREW (M3X10), P, SW (+)	

CAPACITOR

C941	1-126-942-61	ELECT	1000µF	20%	25V
C944	1-126-964-11	ELECT	10µF	20%	50V
C946	1-104-665-11	ELECT	100µF	20%	25V
C947	1-104-664-11	ELECT	47µF	20%	25V
C949	1-161-830-00	CERAMIC	0.0047µF		500V
C950	1-126-941-11	ELECT	470µF	20%	25V
C951	1-107-645-11	ELECT	22µF	20%	160V
C952	1-104-999-11	MYLAR	0.1µF	10%	200V
C953	1-106-383-00	MYLAR	0.047µF	10%	200V
C954	1-130-471-00	MYLAR	0.001µF	5%	50V
C955	1-107-667-11	ELECT	2.2µF	20%	160V
C956	1-130-471-00	MYLAR	0.001µF	5%	50V
C957	1-106-383-00	MYLAR	0.047µF	10%	200V
C958	1-126-941-11	ELECT	470µF	20%	25V
C960	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C961	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C962	1-126-964-11	ELECT	10µF	20%	50V
C963	1-126-963-11	ELECT	4.7µF	20%	50V
C964	1-110-501-11	CERAMIC CHIP	0.33µF	10%	16V
C965	1-104-664-11	ELECT	47µF	20%	25V
C966	1-126-960-11	ELECT	1µF	20%	50V
C967	1-126-964-11	ELECT	10µF	20%	50V
C968	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C970	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C971	1-104-664-11	ELECT	47µF	20%	25V
C972	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C973	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C974	1-137-150-11	MYLAR	0.01µF	5%	50V
C976	1-130-967-00	FILM	0.0027µF	5%	50V
C977	1-104-760-11	CERAMIC CHIP	0.047µF	10%	50V
C1941	1-126-941-11	ELECT	470µF	20%	25V
C1946	1-136-165-00	MYLAR	0.1µF	5%	50V
C1947	1-136-165-00	MYLAR	0.1µF	5%	50V
C1948	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C1961	1-129-725-00	FILM	0.082µF	5%	400V
C1962	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C1965	1-129-718-00	FILM	0.022µF	5%	630V
C1966	1-137-378-11	MYLAR	0.22µF	5%	50V
C1968	1-137-378-11	MYLAR	0.22µF	5%	50V

WA

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REF.NO.	PART NO.	DESCRIPTION	REMARK
C1972	1-104-664-11	ELECT	47µF 20% 25V
C1974	1-104-664-11	ELECT	47µF 20% 25V
		CONNECTOR	
CN941 *	1-564-511-11	PLUG, CONNECTOR 8P	
CN942 *	1-564-508-11	PLUG, CONNECTOR 5P	
CN961 *	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
CN981 *	1-564-506-11	PLUG, CONNECTOR 3P	
		DIODE	
D941	8-719-991-33	DIODE 1SS133T-77	
D943	8-719-991-33	DIODE 1SS133T-77	
D944	8-719-991-33	DIODE 1SS133T-77	
D945	8-719-109-89	DIODE MTZJ-T-77-5.6C	
D946	8-719-110-88	DIODE MTZJ-T-77-39	
D947	8-719-110-88	DIODE MTZJ-T-77-39	
D950	8-719-991-33	DIODE 1SS133T-77	
D951	8-719-991-33	DIODE 1SS133T-77	
D962	8-719-991-33	DIODE 1SS133T-77	
D963	8-719-073-01	DIODE MA111-TX	
D964	8-719-210-21	DIODE ERA82-004TP5	
D966	8-719-075-41	DIODE PR1004GT	
D981	8-719-914-43	DIODE DAN202K-T-146	
D1961	8-719-991-33	DIODE 1SS133T-77	
D1962	8-719-991-33	DIODE 1SS133T-77	
		FERRITE BEAD	
FB901	1-410-397-21	FERRITE	1.1µH
FB902	1-410-397-21	FERRITE	1.1µH
		IC	
IC961	8-759-803-42	IC LA6500-FA	
IC962	8-759-659-67	IC NJM2903D	
IC963	8-759-659-67	IC NJM2903D	
IC964	8-759-700-42	IC NJM2904D	
IC965	8-759-701-59	IC NJM78M09FA	
		COIL	
L961	1-459-104-00	COIL, WITH CORE	
L964	1-406-989-21	INDUCTOR	10mH
		TRANSISTOR	
Q941	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q942	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q943	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q944	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q945	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q946	8-729-045-05	TRANSISTOR 2SA2005	
Q947	8-729-045-04	TRANSISTOR 2SC5511	
Q949	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q961	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q962	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA	
Q963	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA	
Q965	8-729-931-45	TRANSISTOR IRF614	
Q966	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q967	8-729-140-97	TRANSISTOR 2SB734-T-34	
Q968	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q969	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1961	8-729-140-97	TRANSISTOR 2SB734-T-34	
Q1963	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1964	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q1966	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q1967	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
		RESISTOR	
R941	1-249-441-11	CARBON	100K 5% 1/4W
R943	1-216-033-00	RES-CHIP	220 5% 1/10W
R944	1-216-049-91	RES-CHIP	1K 5% 1/10W
R945	1-216-049-91	RES-CHIP	1K 5% 1/10W
R946	1-215-888-00	METAL OXIDE	220 5% 2W
R947	1-216-025-91	RES-CHIP	100 5% 1/10W
R949	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R950	1-216-049-91	RES-CHIP	1K 5% 1/10W
R951	1-216-049-91	RES-CHIP	1K 5% 1/10W
R952	1-216-041-00	RES-CHIP	470 5% 1/10W
R953	1-216-021-00	RES-CHIP	68 5% 1/10W
R954	1-216-033-00	RES-CHIP	220 5% 1/10W
R955	1-216-047-91	RES-CHIP	820 5% 1/10W
R956	1-216-025-91	RES-CHIP	100 5% 1/10W
R957	1-216-073-00	RES-CHIP	10K 5% 1/10W
R958	1-216-025-91	RES-CHIP	100 5% 1/10W
R959	1-216-021-00	RES-CHIP	68 5% 1/10W
R960	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R961	1-216-091-00	RES-CHIP	56K 5% 1/10W
R962	1-216-077-91	RES-CHIP	15K 5% 1/10W
R963	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R964	1-216-073-00	RES-CHIP	10K 5% 1/10W
R965	1-216-077-91	RES-CHIP	15K 5% 1/10W
R966	1-216-073-00	RES-CHIP	10K 5% 1/10W
R967	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
R968	1-208-802-11	METAL CHIP	6.8K 0.50% 1/10W
R969	1-216-025-91	RES-CHIP	100 5% 1/10W
R970	1-208-820-11	METAL CHIP	39K 0.50% 1/10W

WA

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REF.NO.	PART NO.	DESCRIPTION		REMARK	
R971	1-216-049-91	RES-CHIP	1K	5%	1/10W
R972	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R973	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R974	1-208-808-11	METAL CHIP	12K	0.50%	1/10W
R975	1-216-073-00	RES-CHIP	10K	5%	1/10W
R976	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R977	1-249-401-11	CARBON	47	5%	1/4W
R978	1-216-073-00	RES-CHIP	10K	5%	1/10W
R979	1-216-033-00	RES-CHIP	220	5%	1/10W
R980	1-216-073-00	RES-CHIP	10K	5%	1/10W
R981	1-216-081-00	RES-CHIP	22K	5%	1/10W
R982	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R983	1-249-381-11	CARBON	1	5%	1/4W
R984	1-249-383-11	CARBON	1.5	5%	1/4W
R985	1-215-421-00	METAL	1K	1%	1/4W
R986	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R988	1-215-429-00	METAL	2.2K	1%	1/4W
R990	1-216-025-91	RES-CHIP	100	5%	1/10W
R991	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W
R992	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R993	1-216-049-91	RES-CHIP	1K	5%	1/10W
R994	1-216-025-91	RES-CHIP	100	5%	1/10W
R995	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R1941	1-260-312-11	CARBON	47	5%	1/2W
R1942	1-249-387-11	CARBON	3.3	5%	1/4W
R1943	1-249-414-11	CARBON	560	5%	1/4W
R1944	1-249-432-11	CARBON	18K	5%	1/4W
R1945	1-215-914-11	METAL OXIDE	330	5%	3W
R1946	1-249-417-11	CARBON	1K	5%	1/4W
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
R1950	1-249-401-11	CARBON	47	5%	1/4W
R1951	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1952	1-216-097-91	RES-CHIP	100K	5%	1/10W
R1953	1-216-085-00	RES-CHIP	33K	5%	1/10W
R1954	1-208-822-11	METAL CHIP	47K	0.50%	1/10W
R1955	1-208-808-11	METAL CHIP	12K	0.50%	1/10W
R1956	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1957	1-216-295-91	SHORT			
R1958	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R1959	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1960	1-216-037-00	RES-CHIP	330	5%	1/10W
R1961	1-208-820-11	METAL CHIP	39K	0.50%	1/10W
R1962	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1963 ⚠	1-216-033-00	RES-CHIP	220	5%	1/10W
R1964	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1967	1-215-489-00	METAL	680K	1%	1/4W
R1969	1-216-073-00	RES-CHIP	10K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION		REMARK	
R1970	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1971	1-216-121-91	RES-CHIP	1M	5%	1/10W
R1972	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1973	1-216-035-00	RES-CHIP	270	5%	1/10W
R1975	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1976	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R1978	1-216-025-91	RES-CHIP	100	5%	1/10W
R1980	1-216-041-00	RES-CHIP	470	5%	1/10W
R1981	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1982	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1983	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1984	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1987	1-208-818-11	METAL CHIP	33K	0.50%	1/10W
R1989	1-208-818-11	METAL CHIP	33K	0.50%	1/10W
R1990	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1991	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1992	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2962	1-215-885-00	METAL OXIDE	68	5%	2W
R2965	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2968	1-208-794-11	METAL CHIP	3.3K	0.50%	1/10W
R2969	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2971	1-208-826-11	METAL CHIP	68K	0.50%	1/10W
R2972	1-216-113-00	RES-CHIP	470K	5%	1/10W
R2973	1-216-025-91	RES-CHIP	100	5%	1/10W
R2975	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R2976	1-216-025-91	RES-CHIP	100	5%	1/10W
R2979	1-216-097-91	RES-CHIP	100K	5%	1/10W
R2980	1-216-097-91	RES-CHIP	100K	5%	1/10W

VARIABLE RESISTOR

RV941	1-238-019-11	RES, ADJ, CARBON	47K

ACCESSORIES AND PACKAGING

*	4-066-646-01	BAG, PROTECTION
*	4-075-691-01	CARTON, INDIVIDUAL (KV-36FS12/36FS16 ONLY)
*	4-069-515-01	CARTON, INDIVIDUAL (KV-36FV16/36FV26ONLY)
*	4-075-048-01	CUSHION ASSY, FRONT (UPPER) (KV-36FS12/36FS16 ONLY)
	4-069-389-01	CUSHION ASSY, FRONT (UPPER) (KV-36FV16/36FV26ONLY)
*	4-075-047-01	CUSHION ASSY, LOWER (KV-36FS12/36FS16 ONLY)

Note:

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

Note:

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

REF.NO.	PART NO.	DESCRIPTION	REMARK
*	4-069-390-01	CUSHION ASSY, LOWER (KV-36FV16/36FV26ONLY)	
	8-953-742-90	HEADPHONE MDR-IF0230//K SET (KV-36FV26 ONLY)	
	4-075-587-21	MANUAL, INSTRUCTION	

REMOTE COMMANDER

1-418-387-11	REMOTE COMMANDER (RM-Y168) (KV-36FS12 ONLY)	
1-418-384-11	REMOTE COMMANDER (RM-Y169) (KV-36FS16 ONLY)	
1-418-465-11	REMOTE COMMANDER (RM-Y170) (KV-36FV26 ONLY)	
1-418-496-11	REMOTE COMMANDER (RM-Y171) (KV-36FV16 ONLY)	
4-978-977-01	BATTERY COVER (FOR RM-Y168/RM-Y169/RM-Y170/RM-Y171)	

REF.NO.	PART NO.	DESCRIPTION	REMARK

NOTES:

NOTES:

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English
2000SE74337-1
Printed in USA
2000.5

9-965-887-01

PRINTING THE SERVICE MANUAL

The PDF of this service manual is not designed to be printed from cover to cover. The pages vary in size, and must therefore be printed in sections based on page dimensions.

NON-SCHEMATIC PAGES

Data that does NOT INCLUDE schematic diagrams are formatted to 8.5 x 11 inches and can be printed on standard letter-size and/or A4-sized paper.

SCHEMATIC DIAGRAMS

The schematic diagram pages are provided in two ways, full size and tiled. The full-sized schematic diagrams are formatted on paper sizes between 8.5" x 11" and 18" x 30" depending upon each individual diagram size. Those diagrams that are LARGER than 11" x 17" in full-size mode have been tiled for your convience and can be printed on standard 11" x 17" (tabloid-size) paper, and reassembled.

TO PRINT FULL SIZE SCHEMATIC DIAGRAMS

If you have access to a large paper plotter or printer capable of outputting the full-sized diagrams, output as follows:

1) Note the page size(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.

2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your large format printer. Confirm that the printer settings are set to output the indicated page size or larger.

3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

TO PRINT TILED VERSION OF SCHEMATICS

Schematic pages that are larger than 11" x 17" full-size are provided in a 11" x 17" printable tiled format near the end of the document. These can be printed to tabloid-sized paper and assembled to full-size for easy viewing.

If you have access to a printer capable of outputting the tabloid size (11" x 17") paper, then output the tiled version of the diagram as follows:

1) Note the page number(s) of the schematics you want to output as indicated in the middle window at the bottom of the viewing screen.

2) Go to the File menu and select Print Set-up. Choose the printer name and driver for your printer. Confirm that the plotter settings are set to output 11" x 17", or tabloid size paper in landscape () mode.

3) Close the Print Set Up screen and return to the File menu. Select "Print..." Input the page number of the schematic(s) you want to print in the print range window. Choose OK.

TO PRINT SPECIFIC SECTIONS OF A SCHEMATIC

To print just a particular section of a PDF, rather than a full page, access the Graphics Select tool in the Acrobat Reader tool bar.

1) To view the Graphics Select Tool, press and HOLD the mouse button over the Text Select Tool which looks like: 
This tool will expand to reveal to additional tools.
Choose the Graphics Select tool by placing the cursor over the button on of the far right that looks like: 

2) After selecting the Graphics Select Tool, place your cursor in the document window and the cursor will change to a plus (+) symbol. Click and drag the cursor over the area you want to print. When you release the mouse button, a marquee (or dotted lined box) will be displayed outlining the area you selected.

3) With the marquee in place, go to the file menu and select the "Print..." option. When the print window appears, choose the option under the section called "Print Range" which says "Selected Graphic".

Select OK and the output will print only the area that you outlined with the marquee. 

(continued >)

ON-SCREEN SEARCH OPTION

All of the text within the service manual PDF is content searchable. This means that you can enter any text, word, phrase or reference number that appears in the manual, and the PDF software will search, find and move the cursor to the location where you requested text first appears. This feature can be particularly useful in locating components on a specific schematic or printed wire circuit board (PWB) diagrams.

Follow these steps to effectively locate a component on a schematic diagram:

1) Locate the schematic you want to search by clicking on the corresponding bookmark on the left side of the screen. The view on the right of the screen will then jump to the desired schematic page.

2) Magnify the diagram to at least 400% before conducting a component search. This will enable you to easily view the reference number when it is highlighted on screen. To do this, click on the magnifying glass button on the tool bar at the top of the screen. Move the cursor over the diagram and RIGHT click you mouse. Select the 400% magnification option on the pop-up menu. Click on the button with the icon of the open hand to deactivate the magnification tool

3) Search the diagram (or the entire manual) by clicking on the binocular button tool at the top of the screen. The “Find” window will appear and allow you to type in your desired text. Type in a reference designator, such as R502, and click on the “Find” button. If the component is not on the diagram, but is listed anywhere else in the manual, the cursor will jump to the first location the text is found in the file. To find another instance of that same text, click on the binocular button again and select “Find Again.”

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL AA-2U CHASSIS

MODEL NAME	*REMOTE COMMANDER*	*DESTINATION*	*CHASSIS NO.*
KV-36FS12	*RM-Y168*	*US*	*SCC-S44A-A*
KV-36FS12	*RM-Y168*	*CND*	*SCC-S45A-A*
KV-36FS12	*RM-Y168*	*HAWAII*	*SCC-S46A-A*
KV-36FS16	*RM-Y169*	*US*	*SCC-S44B-A*
KV-36FS16	*RM-Y169*	*CND*	*SCC-S45B-A*
KV-36FS16	*RM-Y169*	*HAWAII*	*SCC-S46B-A*
KV-36FV16	*RM-Y171*	*US*	*SCC-S44C-A*
KV-36FV16	*RM-Y171*	*HAWAII*	*SCC-S46C-A*
KV-36FV26	*RM-Y170*	*US*	*SCC-S44D-A*
KV-36FV26	*RM-Y170*	*CND*	*SCC-S45C-A*
KV-36FV26	*RM-Y170*	*HAWAII*	*SCC-S46D-A*
KV-38FS16	*RM-Y169*	*MEXICO*	*SCC-S50F-A*

ORIGINAL MANUAL ISSUE DATE: 5/2000

ALL REVISIONS AND UPDATES TO THE ORIGINAL MANUAL ARE APPENDED TO THE END OF THE PDF FILE.

REVISION DATE	REVISION TYPE	SUBJECT
5/2000	No revisions or updates are applicable at this time	
6/2000	CORRECTION-1	Added new Door Assy. to Exploded View. ITC Assy. Ref. No. Corrected
2/2001	CORRECTION-2	Tuner and Terminal Labels for Rear Cover
10/2001	SUPPLEMENT-1	New model added. New multi-button (top) P/N on exploded view. New instruction manual

TRINITRON® COLOR TELEVISION

SONY®

9-965-887-02

SERVICE MANUAL

Self Diagnosis Supported model

AA-2U CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44B-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A

CORRECTION-1

Subject: Add Door Assy to Exploded View.
ITC Assy Ref. No. Corrected

Correct the service manual as shown below.
File this correction with the service manual.

Section 7: Exploded Views (Pages 81, 83)
Door Assy added to Exploded View

Section 7: Exploded View (Page 83)
ITC Ref. No. Changed from 29 to 34

☛ **: Corrected Item**

TRINITRON® COLOR TV

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Note:

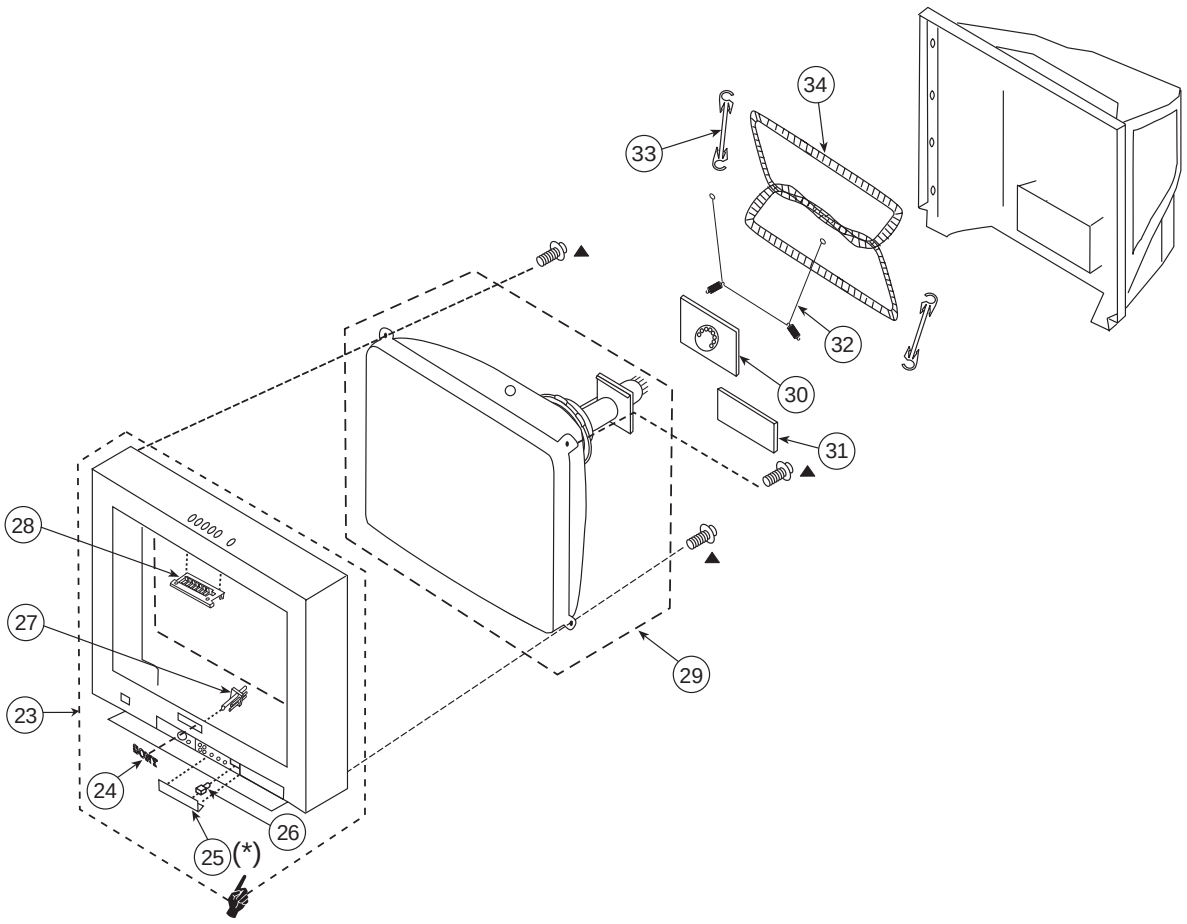
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

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

7-2. PICTURE TUBE (KV-36FS12/36FS16 ONLY)

▲ 4-046-765-12 SCREW (7) TAPPING



REF. NO.		PART NO.	DESCRIPTION	REMARK
23		X-4037-665-1	BEZNET ASSY	24-26
24		3-704-179-31	EMBLEM (NO.9), SONY	
25		4-075-658-01	DOOR	
25(*)		X-4037-631-3	DOOR ASSY	
		(NOTE: The above part must be ordered when replacing the door only)		
26		4-047-464-01	CATCHER, PUSH	
27		4-075-657-01	GUIDE, LED	
28		4-068-982-02	MULTI-BUTTON (TOP)	
29	⚠	8-735-048-61	ITC 38RSN-A1 (US/Canada models only)	
29	⚠	8-735-081-61	ITC 38RSN-A1M (Hawaii models only)	
30	*	A-1331-942-A	C (VAR) MOUNTED PC BOARD	
31	*	A-1375-191-A	WA COMPLETE PC BOARD	
32		4-036-329-01	SPRING (B), TENSION	
33		4-065-895-03	HOLDER, DGC	
34	⚠	1-416-828-31	COIL, DEGAUSSING	

Note:

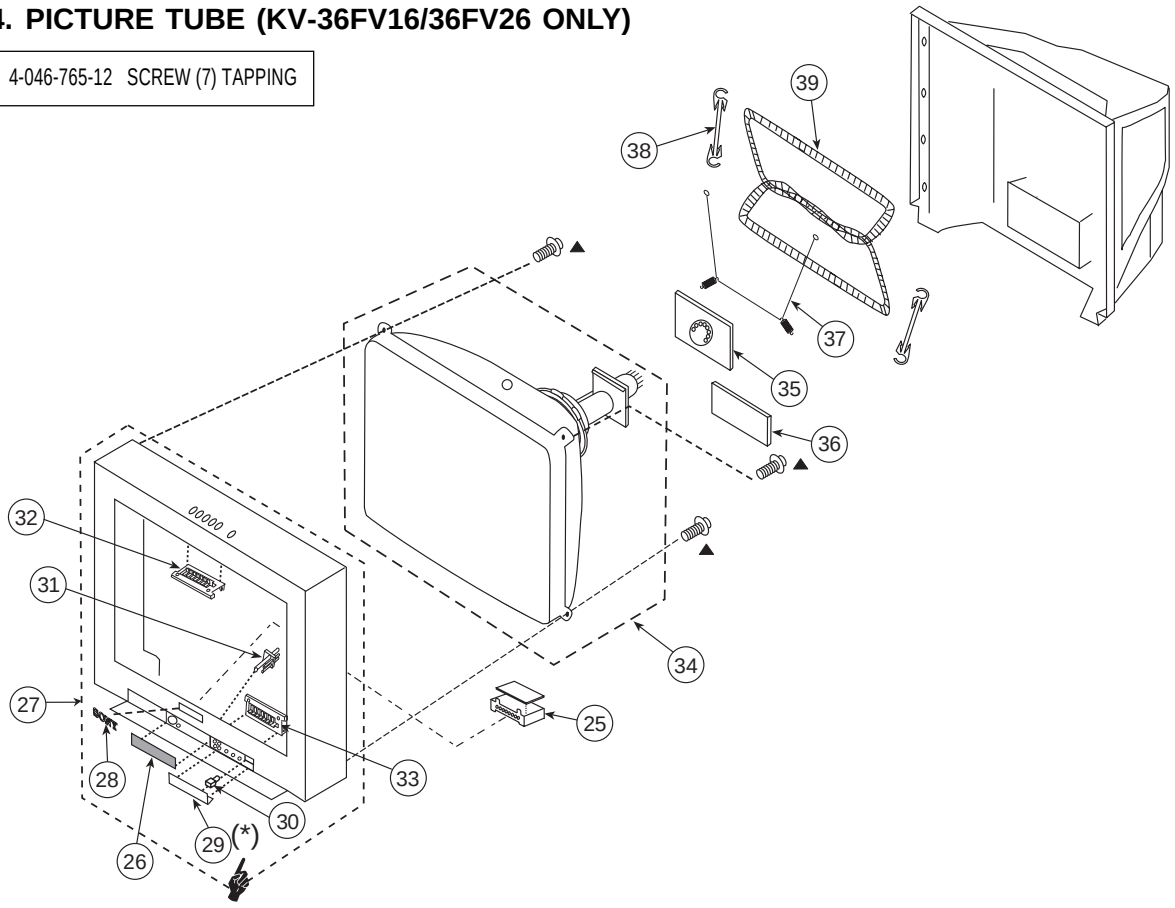
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

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

7-4. PICTURE TUBE (KV-36FV16/36FV26 ONLY)

▲ 4-046-765-12 SCREW (7) TAPPING



REF. NO.		PART NO.	DESCRIPTION	REMARK
25	*	4-068-992-01	CASE, IR SHIELD (KV-36FV26 ONLY)	
26		4-068-991-01	PANEL, IR (KV-36FV26 ONLY)	
27		X-4037-910-1	BEZNET ASSY (KV-36FV26 ONLY)	28-30
27		X-4037-909-1	BEZNET ASSY (KV-36FV16 ONLY)	28-30
28		3-704-179-31	EMBLEM (NO.9), SONY	
29		4-068-985-04	DOOR	
29(*)		X-4037-631-3	DOOR ASSY.	
			(NOTE: The above part must be ordered when replacing the door only)	
30		3-703-574-00	RETAINER, DOOR	
31		4-068-986-01	GUIDE, LED	
32		4-068-982-02	MULTI-BUTTON (TOP)	
33		4-068-984-01	MULTI-BUTTON (BOTTOM)	
34	⚠	8-735-048-61	ITC 38RSN-A1 (US/Canada models only)	
34	⚠	8-735-081-61	ITC 38RSN-A1M (Hawaii models only)	
35	*	A-1331-942-A	C (VAR) MOUNTED PC BOARD	
36	*	A-1375-191-A	WA COMPLETE PC BOARD	
37		4-036-329-01	SPRING (B), TENSION	
38		4-065-895-03	HOLDER, DGC	
39	⚠	1-416-828-31	COIL, DEGAUSSING	

9-965-887-91

Sony Corporation
Sony Technology Center
Technical Services
Service Promotion Dept.

English
2000FJ74274-1
Printed in USA
2000.6

SERVICE MANUAL AA-2U CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44BA-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A

CORRECTION - 2

SUBJECT: Tuner and Terminal labels for rear cover must be ordered separately using the part numbers provided on this correction sheet.

Correct the service manual as shown.
File this Correction with the service manual.

Section 7: Exploded View - Page 82

7-3: CHASSIS (KV-36FV16/36FV26 ONLY)

☛ : Corrected Item

Incorrect

REF NO.	PART NO.	DESCRIPTION
20	4-068-998-01	COVER, REAR
Not Listed	-----> Needs to be Added	
Not Listed	-----> Needs to be Added	

Correct

	REF NO.	PART NO.	DESCRIPTION
☛	20	4-068-998-03	COVER, REAR (**SEE NOTE BELOW)
☛	21	4-070-353-01	TUNER TERMINAL LABEL
☛	22	4-076-655-21	TERMINAL LABEL

** **The rear cover does not include any terminal labels. These labels (items 21 and 22) must be ordered separately when ordering a replacement rear cover.**

TRINITRON® COLOR TV

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Technical Services
Service Promotion Department

English
2001AJ74-DATA
Printed in USA
2001.2

9-965-887-92

Self Diagnosis Supported model

SERVICE MANUAL

AA-2U CHASSIS

MODEL NAME	REMOTE COMMANDER	DESTINATION	CHASSIS NO.
KV-36FS12	RM-Y168	US	SCC-S44A-A
KV-36FS12	RM-Y168	CND	SCC-S45A-A
KV-36FS12	RM-Y168	HAWAII	SCC-S46A-A
KV-36FS16	RM-Y169	US	SCC-S44B-A
KV-36FS16	RM-Y169	CND	SCC-S45B-A
KV-36FS16	RM-Y169	HAWAII	SCC-S46B-A
KV-36FV16	RM-Y171	US	SCC-S44C-A
KV-36FV16	RM-Y171	HAWAII	SCC-S46C-A
KV-36FV26	RM-Y170	US	SCC-S44D-A
KV-36FV26	RM-Y170	CND	SCC-S45C-A
KV-36FV26	RM-Y170	HAWAII	SCC-S46D-A
☚ KV-38FS16	RM-Y169	MEXICO	SCC-S50F-A

SUPPLEMENT - 1

SUBJECT: NEW MODEL ADDED. NEW MULTI-BUTTON (TOP) P/N ON EXPLODED VIEW. NEW INSTRUCTION MANUAL

Correct the service manual as shown.
File this Correction with the service manual.

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☛ : Modified Item

Section 7: Exploded View (Page 81)

7-2. Picture Tube (KV-36FS12/36FS16/38FS16)

INCORRECT				CORRECT		
REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]	REF. NO.	PART NO.	DESCRIPTION
28	4-068-982-02	MULTI-BUTTON (TOP)		28 ☛	4-068-982-06	MULTI-BUTTON (TOP)

Section 8: Electrical Parts List (Page 116)

ACCESSORIES AND PACKAGING

INCORRECT				CORRECT		
REF. NO.	PART NO.	DESCRIPTION	[Assembly Includes]	REF. NO.	PART NO.	DESCRIPTION
4-075-587-21		MANUAL, INSTRUCTION (KV-36FS12/36FS16 ONLY)		4-075-587-23 ☛		MANUAL, INSTRUCTION (KV-36FS12/36FS16 ONLY) (English)
				4-081-776-42 ☛		MANUAL, INSTRUCTION (KV-38FS16 ONLY) (Spanish)

9-965-887-81

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Sony Technology Center
Technical Services
Service Promotion Department

English
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