

# SERVICE MANUAL

# AA-2D CHASSIS

<i>MODEL</i>	<i>DEST.</i>	<i>COMMANDER</i>	<i>CHASSIS NO.</i>
<b>KV-32S42</b>	<b>US</b>	<b>RM-Y168</b>	<b>SCC-S07U-A</b>
<b>KV-32S42</b>	<b>CND</b>	<b>RM-Y168</b>	<b>SCC-S08R-A</b>
<b>KV-32S66</b>	<b>US</b>	<b>RM-Y169</b>	<b>SCC-S07V-A</b>
<b>KV-32S66</b>	<b>CND</b>	<b>RM-Y169</b>	<b>SCC-S08S-A</b>
<b>KV-32V42</b>	<b>US</b>	<b>RM-Y168</b>	<b>SCC-S07W-A</b>
<b>KV-35S42</b>	<b>US</b>	<b>RM-Y168</b>	<b>SCC-S07R-A</b>
<b>KV-35S42</b>	<b>CND</b>	<b>RM-Y168</b>	<b>SCC-S07P-A</b>
<b>KV-35S66</b>	<b>US</b>	<b>RM-Y169</b>	<b>SCC-S07S-A</b>
<b>KV-35S66</b>	<b>CND</b>	<b>RM-Y169</b>	<b>SCC-S08Q-A</b>
<b>KV-35V42</b>	<b>US</b>	<b>RM-Y168</b>	<b>SCC-S07T-A</b>



**KV-35V42**



**RM-Y168**

TRINITRON® COLOR TV  
**SONY**

## SPECIFICATIONS

	KV-32S42	KV-32S66	KV-32V42	KV-35S42	KV-35S66	KV-35V42
Power requirements	120V,60Hz	120V,60Hz	120V,60Hz	120V,60Hz	120V,60Hz	120V,60Hz
Number of inputs/outputs						
Video <sup>1)</sup>	1	2	3	2	2	3
S Video <sup>2)</sup>	1	1	1	1	1	2
Audio <sup>3)</sup>	1	2	3	2	2	3
Audio Out <sup>4)</sup>	1	1	1	1	1	1
Monitor Out	-	-	1	-	-	1
S-Link	-	3	-	-	3	-
Speaker output(W)	5W x 2	5W x 2	5W x 2	5W x 2	5W x 2	5W x 2
Power Consumption(W)						
In use(Max)	180W	180W	180W	210W	210W	210W
In standby	2W	2W	2W	2W	2W	2W
Dimensions(W/H/D)						
(mm)	791 x 707 x 604.5mm	791 x 707 x 604.5mm	821 x 675.3 x 587 mm	870 x 761x 653 mm	870 x 761x 653 mm	920 x 730.8x 641.8 mm
(in)	31 x 27 13/16 x 23 3/4 in	31 x 27 13/16 x 23 3/4 in	32 3/8 x 26 5/8 x 23 1/8 in	34 1/4 x 30 x 25 5/8 in	34 1/4 x 30 x 25 5/8 in	36 3/4 x 28 3/4 x 25 1/4 in
Mass						
(kg)	65 kg	65 kg	70 kg	83 kg	83 kg	90 kg
(lbs)	143 lbs	143 lbs	154 lbs	183 lbs	183 lbs	203 lbs

### Television system

American TV standard, NTSC

### Channel coverage

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

### Picture tube

Trinitron® tube

### Visible screen size

32-inch picture measured diagonally  
(KV-32S42/32S66/32V42)

35-inch picture measured diagonally  
(KV-35S42/35S66/35V42)

### Actual screen size

34-inch picture measured  
(KV-32S42/32S66/32V42)

37-inch picture measured  
(KV-35S42/35S66/35V42)

### Antenna

75 ohm external terminal for VHF/UHF

### Supplied Accessories

RM-Y168 (KV-32S42/32V42/35S42/35V42)

RM-Y169 (KV-32S66/35S66)

Batteries size AA (R6) (2)

### Optional Accessories

A/V Cable VMC-810/820/830HG

Audio Cable RKC-515HG

S-Link Cable RK-G69HG

S Video Cable YC-15/30HG

TV Stand SU-32A4, SU-35A4

*Design and specifications are subject to change without notice.*

<sup>1)</sup> 1 Vp-p 75 ohms unbalanced, sync negative

<sup>2)</sup> Y: 1 Vp-p 75 ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

<sup>3)</sup> 500 mVrms (100% modulation), Impedance: 47 kilohms

<sup>4)</sup> More than 408 mVrms at the maximum volume setting (variable)

More than 408 mVrms (fix)

Impedance (output): 2 kilohms

### ( ● ) 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.

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## 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 CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS 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'UNE IMPORTANCE 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 FONCTIONNEMENT SUSPECTE.

## 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).

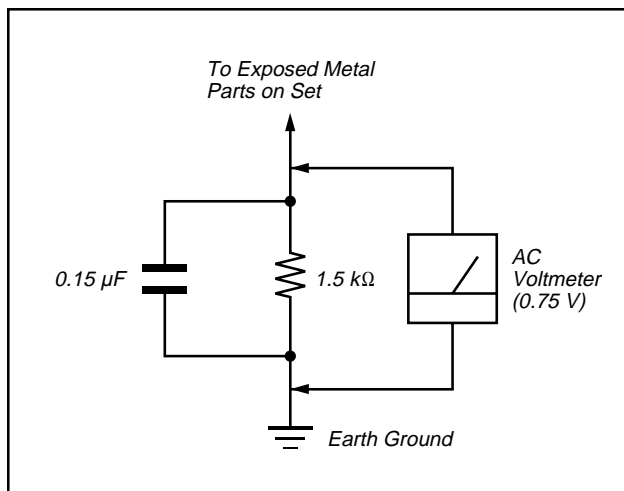


Figure A. Using an AC voltmeter to check AC leakage.

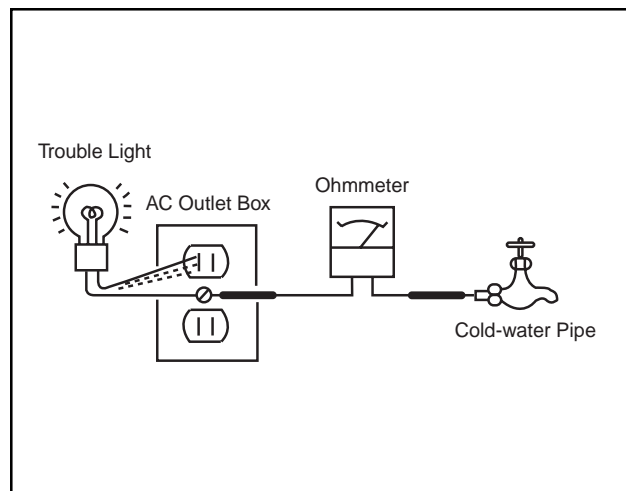


Figure B. Checking for earth ground.

# 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.

## Welcome

Thank you for purchasing the Sony Trinitron® Color TV. Before reading, check the model number located on the front of this manual.

The menus and illustrations used in these instructions are for KV-35S66. Differences in operation or features will be indicated in the text, for example, "KV-35S86 only."

Model Number	PICTURE (PIP)	SRS	SURROUND	AUTO VOLUME CONTROL
KV-32S42	•	•	•	•
KV-32S66	•	•	•	•
KV-32V42	•	•	•	•
KV-35S42	•	•	•	•
KV-35S66	•	•	•	•
KV-35V42	•	•	•	•

## Precautions

### Safety

- Operate the TV only with 120 V AC.
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.

### Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- The AC power cord is attached to the rear of the TV with hooks. Do not attempt to remove the cord from these hooks. Doing so could cause damage to the TV.

## Using This Manual

This manual is divided into five major sections. We recommend that you review the contents before you begin to use your new TV.

- 1 Connecting and Installing the TV**  
This section guides you through your initial set up. It shows how to connect your antenna or cable, and connect any accessories.
- 2 Basic Set Up**  
This section teaches you the basic skills needed to operate your new TV.
- 3 Using your New TV**  
This section shows the initial setup screen and how to use your remote control.
- 4 Using your Menus**  
This section teaches you how to access on-screen menus and adjust your TV's settings.
- 5 Troubleshooting**  
This section helps you to connect problems you may encounter with your TV.

## Connecting and Installing the TV

### Making Connections

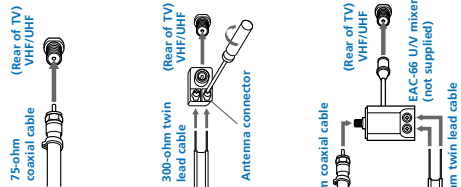
Refer to the table below, it will direct you to the diagram suitable to the equipment you will be connecting.

If you will be connecting	See page
Cable or antenna only	3
Cable and antenna	3
Cable box	4
Cable box and cable to view scrambled channels	4
VCR and cable or antenna	5
VCR and cable box	5
Two VCRs for tape editing	6
Satellite Receiver	7
VCR and Satellite Receiver	7
DVD Player	8
Audio system	9
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Satellite Receiver using S-Link	10

### Cable or Antenna Connections Connecting directly to cable or an antenna

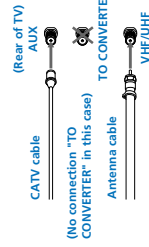
The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**); older homes will probably have 300-ohm twin lead cable (see **B**); still other homes may contain both (see **C**).

- A** • VHF only  
• VHF/UHF  
or  
• Cable
- B** • VHF only  
• VHF/UHF  
or  
• VHF/UHF
- C** • VHF  
and  
• UHF



### Cable and antenna

**KV-32S66, 35S66 only**  
If your cable provider does not feature local channels, you may find this set up convenient.



### Note

In order to receive channels with an antenna, you will need to turn your CABLE to OFF and perform the AUTO PROGRAM function, (see page 23).

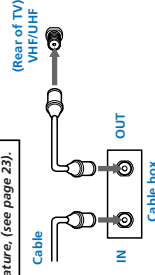
## Connecting and Installing the TV (continued)

### Cable Box Connections

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

### Cable box

- Connect the coaxial connector from your cable to the IN on your cable box.
- Using a coaxial cable, connect OUT on your cable box to VHF/UHF on your TV.



If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature, (see page 23).

### Cable box and cable

**KV-32S66, 35S66 only**

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

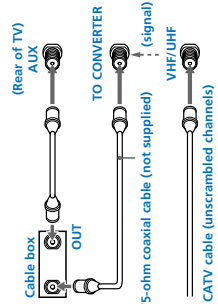
### Notes

- Your Sony remote control can be programmed to operate your cable box, (see page 30).
- When using PIP, you cannot view the AUX input in the window picture.

### Tip

Pressing ANT switches between these inputs.

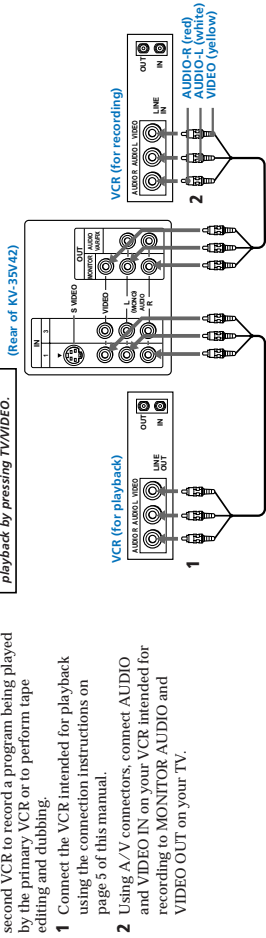
If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature, (see page 23).



Connecting and Installing the TV (continued)

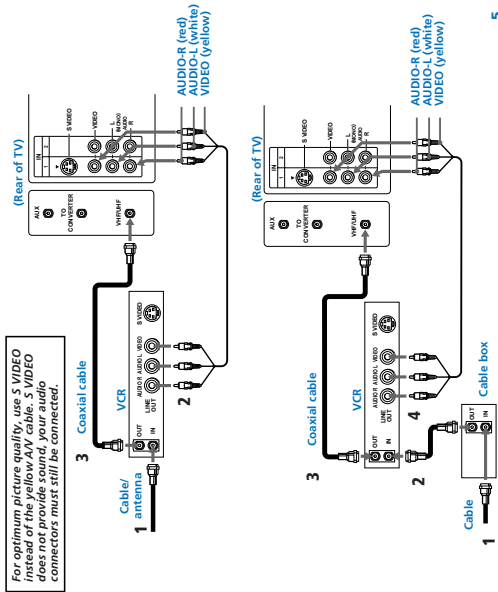
Connecting two VCRs for tape editing

**KV-32V42, 35V42 only**  
 MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.



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

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO connectors must still be connected.



- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

**Tip**  
 If you are connecting a monaural VCR, connect only the single white audio output to the left input on your TV.

Connecting a VCR and TV with a cable box

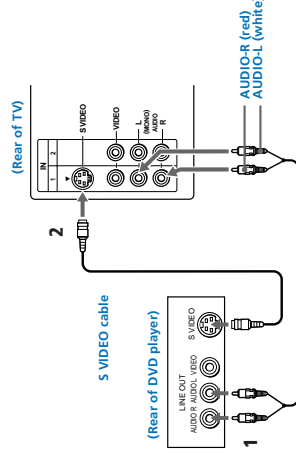
- 1 Connect the coaxial cable from the wall to IN on your cable box.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Connect a coaxial cable (not supplied) from the OUT jack on your VCR to VHF/UHF on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Connecting and Installing the TV (continued)

DVD Player Connections

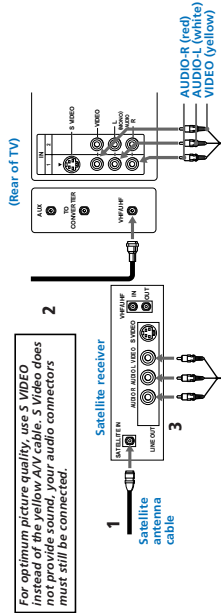
- 1 Using audio connectors, connect AUDIO OUT on your DVD player to AUDIO IN on your TV.
- 2 Using an S VIDEO cable, connect S VIDEO on your DVD player to S VIDEO on your TV.

**Note**  
 If you do not have an S Video cable, connect a yellow video cable from LINE OUT VIDEO on your DVD to VIDEO IN on your TV.



Satellite Receiver Connections

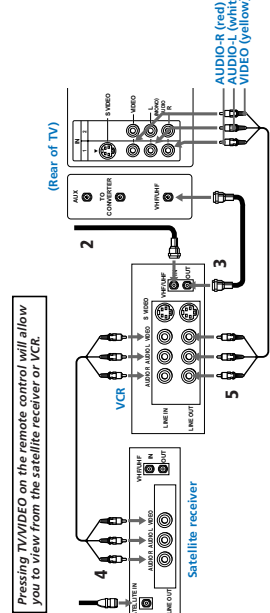
- 1 Connect the cable from your satellite antenna to SATELLITE IN on your receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your TV.



For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S Video does not provide sound, your audio connectors must still be connected.

Connecting a satellite receiver and a VCR

- 1 Connect the cable from your satellite antenna to SATELLITE IN on your receiver.
- 2 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

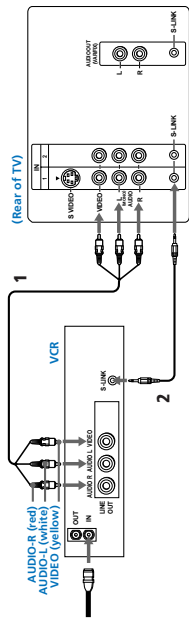


Pressing TV/VIDEO on the remote control will allow you to view from the satellite receiver or VCR.

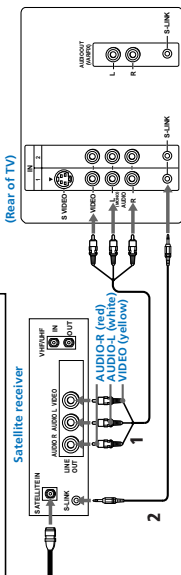
Connecting and installing the TV (continued)

Using Special Sony Features

- KV-32S66, 35S66 only**
- Connecting S-Link to a VCR**  
S-Link automatically powers on the TV and switches to the correct video input when a tape is inserted in the VCR.
- Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
  - Using an S-Link connector (mono mini plug), connect S-LINK on your VCR to S-LINK/CONTROL S-OUT in the same VIDEO IN column on your TV.



The S-Link connector must be in the same VIDEO-IN column as the connected A/V cables.



**Connecting S-Link to a satellite receiver**

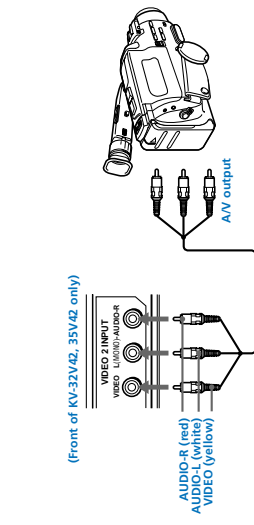
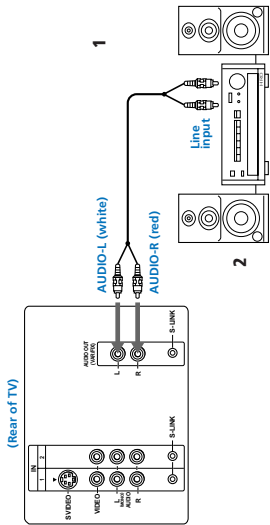
- When you power on the satellite receiver, S-Link automatically powers on the TV and switches to the correct video input.
- Using A/V connectors, connect AUDIO and VIDEO OUT on your satellite receiver to AUDIO and VIDEO IN on your TV.
  - Using an S-Link connector (mono mini plug), connect S-LINK on your satellite receiver to S-LINK/CONTROL S-OUT in the same VIDEO IN column on your TV.

**Note**  
The S-Link feature will override the "SKIP" VIDEO LABEL input. (see page 21).

Additional Connections

**Connecting an audio system**  
For an enhanced sound, connect your audio system to your TV.

- Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on your stereo.
- Set your stereo to the chosen Line input and use the AUDIO  $\blacktriangleright$  menu to set your audio output. (see page 19).



**Connecting a camcorder**

This connection is convenient for viewing a picture directly from your camcorder. Using A/V connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV.

Connection can also be made directly to the A/V input located on the rear of the TV.

**Tip**

If you are connecting a monaural camcorder, connect only the single white audio output to the left input on your TV.

Operating Video Equipment

**Programming the remote**  
You can use the supplied remote control to operate Sony or non-Sony video equipment.

- Press CODE SET.
- Press VTR/DVD (FUNCTION).
- Use the 0-9 buttons to key in the manufacturer's code number from the following chart.
- Press ENTER.

Manufacturer	Code
Sony	301, 302, 303
Admiral (M. Ward)	304, 305, 306
Aiwa	307, 308, 309
Audio Dynamic	310, 311, 312
Becksonic	313, 314, 315
Canon	316, 317, 318
Chiconi	319, 320, 321
Craig	322, 323, 324
Cineiron	325, 326, 327
Curtis Mathes	328, 329, 330
Daewoo	331, 332, 333
Edison	334, 335, 336
Fisher	337, 338, 339
General	340, 341, 342
General Electric	343, 344, 345
Go Video	346, 347, 348
Goldstar	349, 350, 351
Hitachi	352, 353, 354
Instant Replay	355, 356, 357
JC Penney	358, 359, 360
K. Wood	361, 362, 363
KX	364, 365, 366
LXI (Seasol)	367, 368, 369
Magnavox	370, 371, 372
Marantz	373, 374, 375
Marta	376, 377, 378
Memorex	379, 380, 381
Mitsubishi	382, 383, 384
MitsubishiMGA	385, 386, 387
Multitech	388, 389, 390
NEC	391, 392, 393
Olympic	394, 395, 396
Optimus	397, 398, 399
Panasonic	400, 401, 402
Philco	403, 404, 405
Philips	406, 407, 408
Pioneer	409, 410, 411
Quasar	412, 413, 414
RCA/PROSCAN	415, 416, 417
Realistic	418, 419, 420
Sansui	421, 422, 423
Sanyo	424, 425, 426
Sharp	427, 428, 429
Shinano	430, 431, 432
Signature 2000 (M. Ward)	433, 434, 435
Signet	436, 437, 438
Sylvania	439, 440, 441
Symphonic	442, 443, 444
Tashiro	445, 446, 447
Taung	448, 449, 450
Teac	451, 452, 453
Technics	454, 455, 456
Toshiba	457, 458, 459
Yamaha	460, 461, 462
Zenith	463, 464, 465

**Laserscic**

In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.

- When you remove the batteries, the code number may revert to the factory setting.
- The code numbers for Sony VCRs are assigned at the factory as follows.

**VHS VCR**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**8 mm VCR**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Beta, ED Beta VCRs**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**Buttons on the remote control**  
Press VTR/DVD (POWER).  
Press  $\blacktriangleright$ .  
Press II.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**Buttons on the remote control**  
Press VTR/DVD (POWER).  
Press  $\blacktriangleright$ .  
Press II.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**Buttons on the remote control**  
Press VTR/DVD (POWER).  
Press  $\blacktriangleright$ .  
Press II.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**Buttons on the remote control**  
Press VTR/DVD (POWER).  
Press  $\blacktriangleright$ .  
Press II.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**Buttons on the remote control**  
Press VTR/DVD (POWER).  
Press  $\blacktriangleright$ .  
Press II.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**Buttons on the remote control**  
Press VTR/DVD (POWER).  
Press  $\blacktriangleright$ .  
Press II.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**Buttons on the remote control**  
Press VTR/DVD (POWER).  
Press  $\blacktriangleright$ .  
Press II.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press  $\blacktriangleright$  or  $\blacktriangleleft$  during playback.  
Press CH  $\blacktriangleleft$  or  $\blacktriangleright$ .

**DVD (Digital Versatile Disc)**

**code numbers**  
Manufacturer Code  
Sony 751  
Panasonic 753  
Pioneer 752  
RCA 755  
Toshiba 754

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Buttons on the remote control**  
To turn on or off Press VTR/DVD (POWER).  
To play Press  $\blacktriangleright$ .  
To stop Press  $\blacksquare$ .  
To pause Press II.

**Tip**

If you will not be programming a satellite receiver or cable box into the SAT/CABLE function of your remote, you can use it to program other video equipment (e.g. DVD, MDP, or second VCR).

**Troubleshooting**

Consult the table below; it suggests solutions to specific problems.

Problem	What it could be	What you can do
You want to restore the TV's factory settings		<ul style="list-style-type: none"> <li>First, turn the TV on. Then while pressing the <b>RESET</b> button on the remote control, press the <b>POWER</b> button on the TV. The TV will turn itself off and then back on. When the TV turns on again, all settings will be reset, and the initial setup screen will appear.</li> <li>Call your local Sony service center.</li> </ul>
A red light keeps flashing on the TV for more than a few seconds	<ul style="list-style-type: none"> <li>Your TV may need service.</li> </ul>	
TV makes a noise when turned on	<ul style="list-style-type: none"> <li>This is a normal function of your TV.</li> </ul>	
Screen is not lit and there is no sound	<ul style="list-style-type: none"> <li>Power cord may not be plugged in.</li> <li>Remote control batteries may not be inserted correctly.</li> <li>TV/VIDEO setting may be incorrect.</li> <li>Current program may exceed PARENTAL CONTROL settings.</li> </ul>	<ul style="list-style-type: none"> <li>Check your power cord.</li> <li>Re-insert the batteries in your remote control.</li> <li>Press TV/VIDEO until you receive a channel.</li> <li>Check your PARENTAL CONTROL settings. (page 27).</li> </ul>
Poor or no picture (screen lit), good sound	<ul style="list-style-type: none"> <li>VIDEO menu settings may not be adjusted correctly.</li> <li>Some cable connections may be plugged incorrectly.</li> <li>VIDEO LABEL inputs may be set to WEB. (This label darkens the screen for ideal WebTV viewing)</li> </ul>	<ul style="list-style-type: none"> <li>Readjust your VIDEO menu settings. (page 18).</li> <li>Check your VIDEO LABEL settings. (page 21).</li> </ul>
Good picture, no sound	<ul style="list-style-type: none"> <li>Sound may be set to MUTING.</li> <li>Your TV may be set to SAP.</li> <li>SPEAKER may not be set correctly.</li> </ul>	<ul style="list-style-type: none"> <li>Press <b>MUTING</b>.</li> <li>Check the MTS setting in the AUDIO menu. (page 19).</li> <li>Check your SPEAKER settings. (page 19).</li> </ul>
No color	<ul style="list-style-type: none"> <li>Color settings may not be adjusted correctly.</li> </ul>	<ul style="list-style-type: none"> <li>Adjust the COLOR settings in the VIDEO menu. (page 18).</li> </ul>
Only snow and noise appear on the screen	<ul style="list-style-type: none"> <li>CABLE may not be set correctly in the CHANNEL SET UP menu.</li> <li>Antenna/cable connections may not be correct.</li> <li>TV may be set to AUX mode.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that you have selected the correct CABLE mode in the CHANNEL SET UP menu. (page 23).</li> <li>Press <b>ANT</b> on your remote control to change the input mode. (page 14).</li> </ul>

**Operating a Cable Box or Satellite Receiver**

**Programming the remote control**

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

**1 Press CODE SET.**

Use the **0-9** buttons to key in the manufacturer's code number from the following chart.

**2 Press SAT/CABLE (FUNCTION).**

Use the **0-9** buttons to key in the manufacturer's code number from the following chart.

**3 Press ENTER.**

Refer to the operating instructions that were supplied with the equipment.

**For more details on operating the cable box or satellite receiver**

Refer to the operating instructions that were supplied with the equipment.

**Cable box code numbers**

Manufacturer	Code
Harris/Regal	222, 223, 224, 225, 226
Jerrald/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Socoin	216, 217
Zenith	212, 213

**Satellite receiver code numbers**

Manufacturer	Code
Sony	801 (preset code for remote control)
General Electric	805
Hirsch	804
Hughes	803
Panasonic	802, 808
RCA/PROSCAN	806, 807
Toshiba	

**If the remote control doesn't work**

First, try repeating the setup procedures using the other codes listed for your equipment.

**Tips**

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's supplied remote control.
- Whenever you remove the batteries, the code numbers may revert to the factory setting.

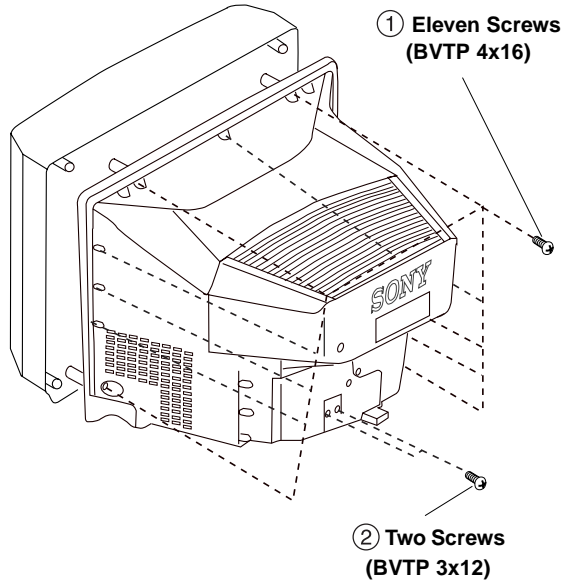
Problem	What it could be	What you can do
Cannot receive upper channels (UHF) when using an antenna	<ul style="list-style-type: none"> <li>CABLE setting may not be correct in the CHANNEL SET UP menu.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that CABLE is set to OFF in the CHANNEL SET UP menu. (page 23).</li> <li>Use <b>AUTO PROGRAM</b> to add receivable channels that are not presently in TV memory. (page 23).</li> </ul>
Cannot receive any channels when using cable	<ul style="list-style-type: none"> <li>CABLE setting may not be correct in the CHANNEL SET UP menu.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that CABLE is set to OFF in the CHANNEL SET UP menu. (page 23).</li> <li>Use <b>AUTO PROGRAM</b> to add receivable channels that are not presently in TV memory. (page 23).</li> </ul>
Cannot gain enough volume when using a cable box	<ul style="list-style-type: none"> <li>Volume may not be adjusted on your cable box.</li> </ul>	<ul style="list-style-type: none"> <li>Use the remote control supplied with the cable box.</li> </ul>
TV is fixed to one channel	<ul style="list-style-type: none"> <li>CHANNEL FIX settings may not be correct.</li> </ul>	<ul style="list-style-type: none"> <li>Check your CHANNEL FIX settings. (page 23).</li> </ul>
Lost password for PARENTAL CONTROL		<ul style="list-style-type: none"> <li>In the password screen, enter the following master password: 4357. The master password cannot be used to unlock currently blocked channels.</li> </ul>

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).

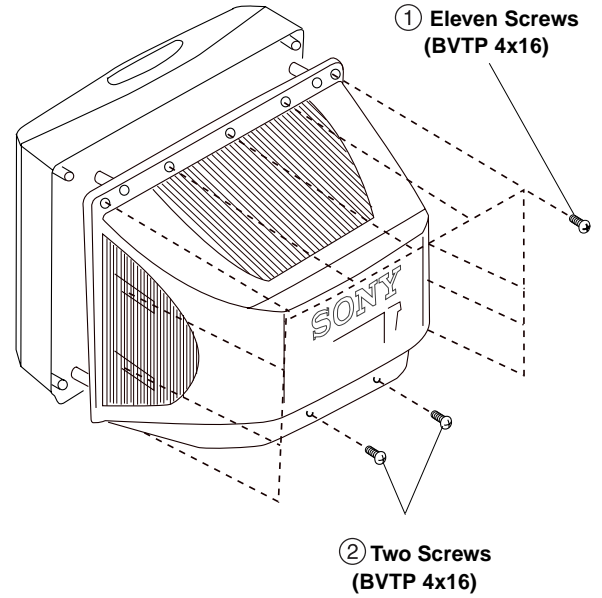
## SECTION 2 DISASSEMBLY

### 2-1. REAR COVER REMOVAL

(KV-32S42/32V42/32S66)

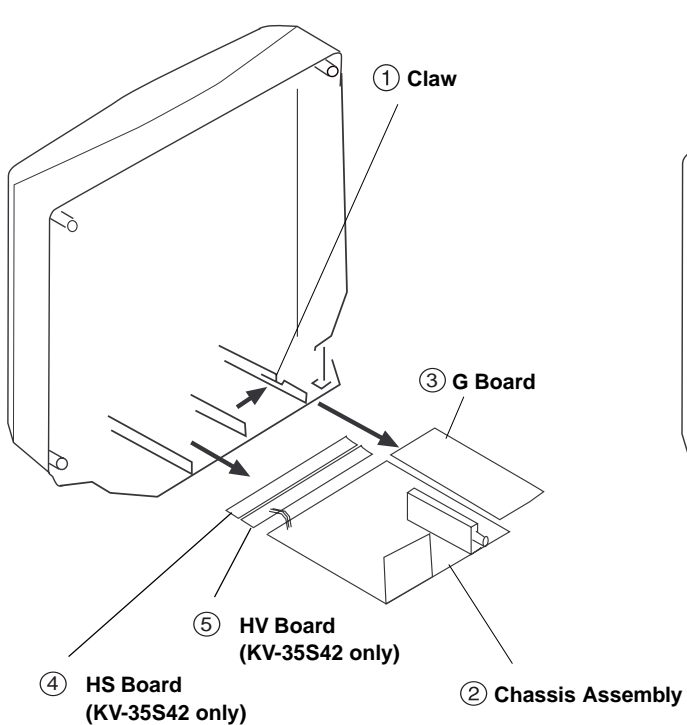


(KV-35S42/35V42/35S66)

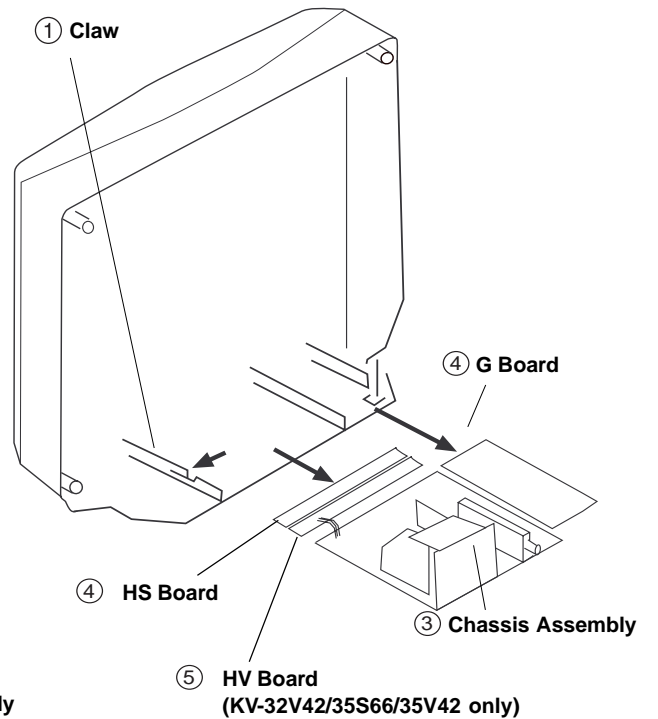


### 2-2. CHASSIS ASSEMBLY REMOVAL

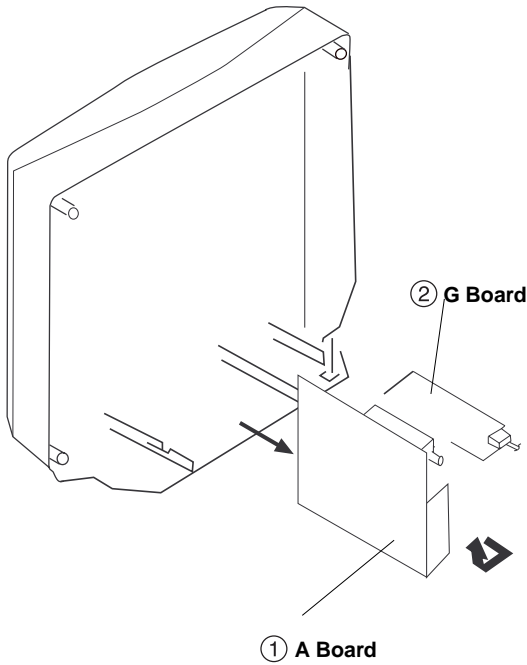
(KV-32S42/35S42)



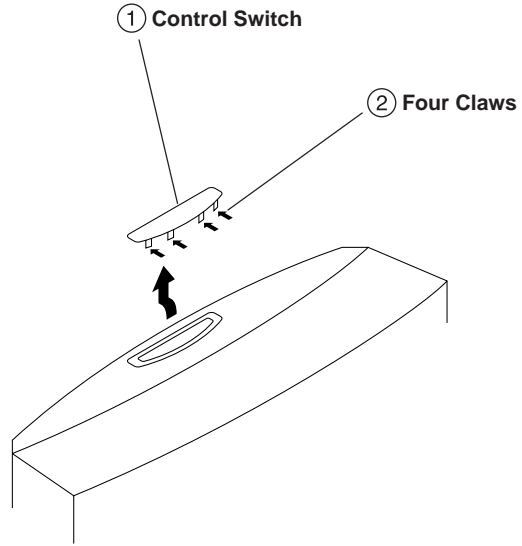
(KV-32S66/32V42/35S66/35V42)



**2-3. SERVICE POSITION**



**2-4. CONTROL SWITCH REMOVAL**  
(KV-32V42/35V42 only)

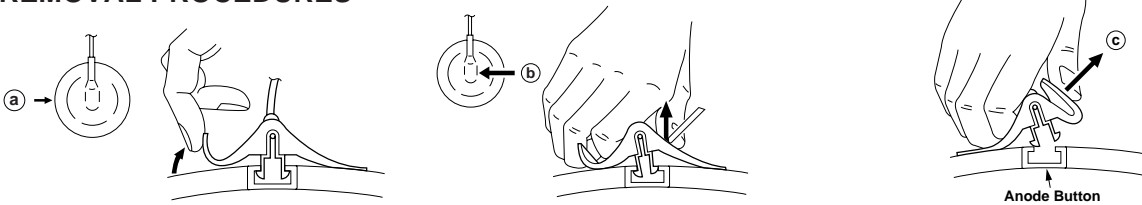


**ANODE CAP REMOVAL**

**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.

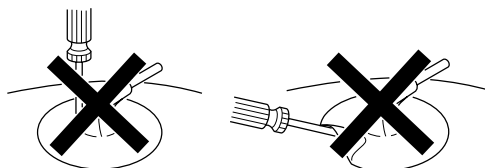
**REMOVAL PROCEDURES**



- ① Turn up one side of the rubber cap in the direction indicated by arrow **a**.
- ② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow **b**.
- 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 **c**.

**HOW TO HANDLE AN ANODE CAP**

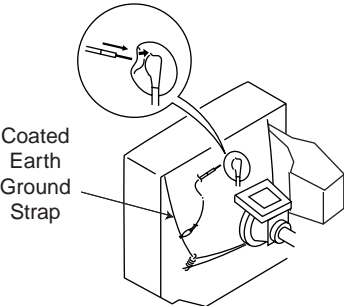
- ① Do not use sharp objects which may cause damage to the surface of the anode cap.
- ② To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



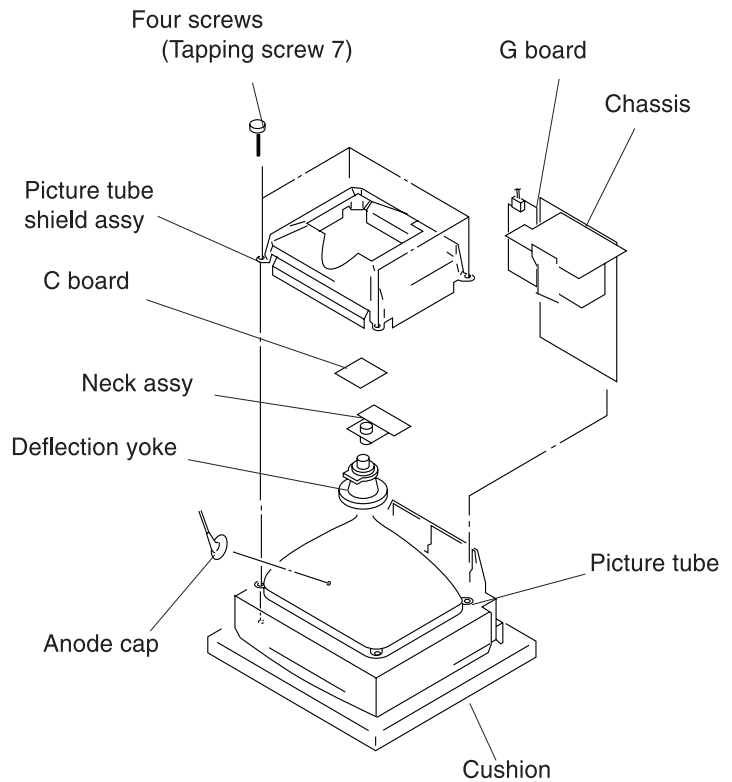
**2-5-1. PICTURE TUBE REMOVAL (KV-32S42/32V42/32S66)**

**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.



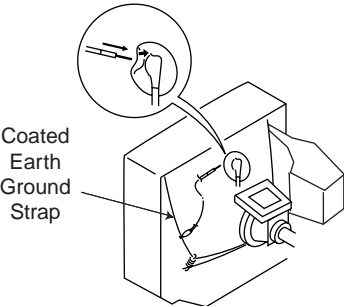
Coated Earth Ground Strap



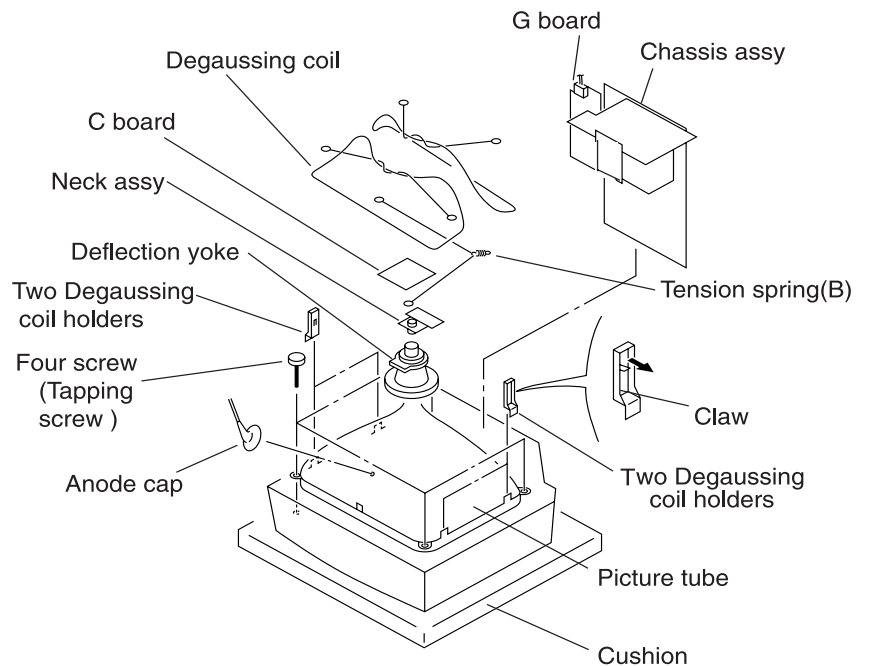
**2-5-2. PICTURE TUBE REMOVAL (KV-35S42/35V42/35S66)**

**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.



Coated Earth Ground Strap



## 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

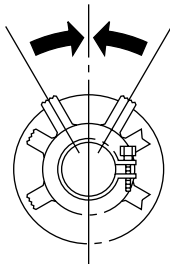
### 3-1. BEAM LANDING

**Preparation:**

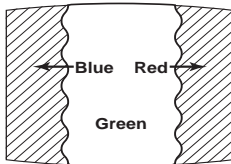
- Input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.

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

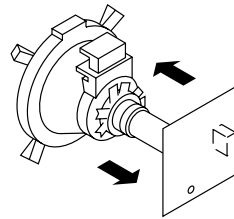
1. Input white pattern from pattern generator.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



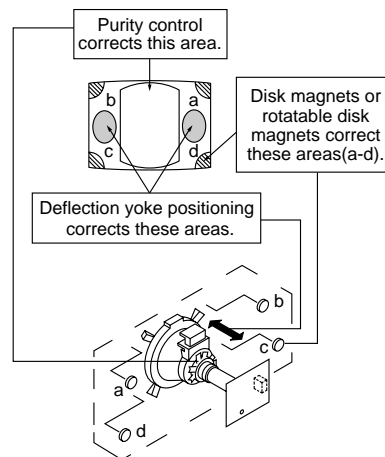
3. Input green pattern from pattern generator.
4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



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.



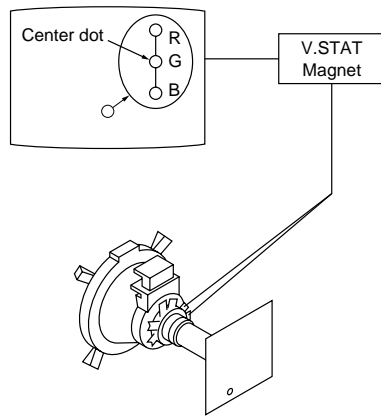
### 3-2. CONVERGENCE

Before starting convergence adjustments:

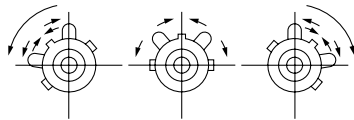
1. Perform FOCUS, V. LIN and V. SIZE adjustments.
2. Set BRIGHTNESS control to minimum.
3. Input dot pattern.

#### Vertical and Horizontal Static Convergence

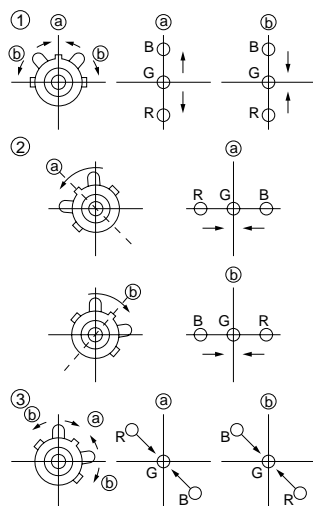
1. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)



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



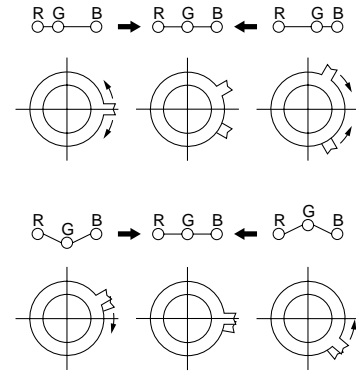
2. When the V. STAT magnet is moved in the direction of arrow a and b, red, green, and blue dots move as shown below:



#### Operation of BMC (Hexapole) Magnet

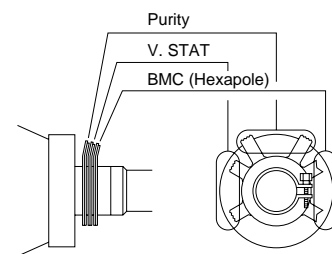
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

Use the VSTAT 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).

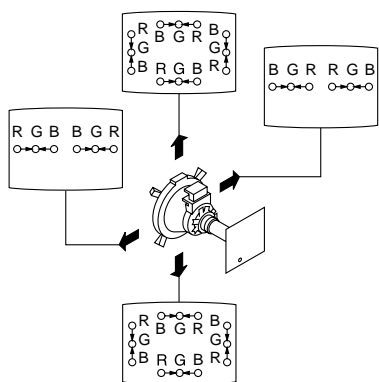


4. Return the deflection yoke to its original position.

### Dynamic Convergence Adjustment

Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

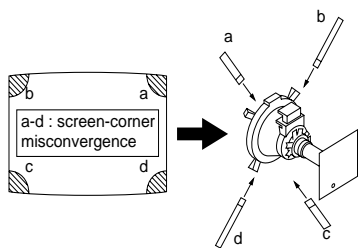
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below:



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

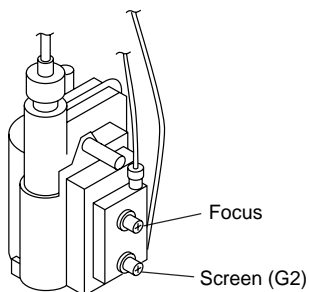
### Screen-corner Convergence

Affix a permalloy assembly corresponding to the misconverged areas:



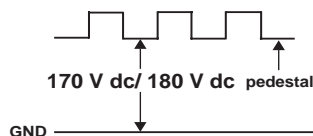
### 3-3. FOCUS

Adjust FOCUS control for best picture.



### 3-4. SCREEN (G2)

1. Input dot pattern from the pattern generator.
2. Set the PICTURE and BRIGHT controls at normal.
3. Adjust S BRT, G CUT, B CUT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are 170Vdc ± 2.0Vdc for 35" and 180Vdc ± 2.0Vdc for 32".
4. Observe the screen and adjust SCREEN (G2) VR to obtain the faintly visible background of dot signal.



### 3-5. WHITE BALANCE ADJUSTMENTS

NO.	Disp.	Item	Avg/32"	Avg/35"
16	GDRV	Green Drive	33	45
17	BDRV	Blue Drive	33	45
18	GCUT	Green Cut-off	3	6
19	BCUT	Blue Cut-off	2	6
23	SBRT	Sub Bright	14	10

1. Input an entire white signal.
2. Set to Service adjustment Mode.
3. Set DCOL to "0"
4. Set the PICTURE and BRIGHT to minimum.
5. Adjust with SBRT if necessary.
6. Select GCUT and BCUT with 1 and 4 .
7. Adjust with 3 and 6 for the best white balance.
8. Set the PICTURE and BRIGHT to maximum.
9. Select GDRV and BDRV with 1 and 4 .
10. Adjust with 3 and 6 for the best white balance.
11. Reset DCOL to "1".
12. Write into the memory by pressing **MUTING** then **ENTER**\*\*.

## SECTION 4 SAFETY RELATED ADJUSTMENTS

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

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

**A BOARD:** IC351, IC501, D519, D520, D521, C531, C532, R387, R529, R530, R531, R532, R533, R550, T503

**G BOARD:** IC643, R661

#### Step 1 Preparation before Confirmation

Turn the POWER switch ON.

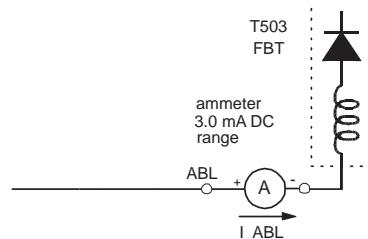
Input a white signal and set the PICTURE and BRIGHT controls to maximum.

Confirm that the voltage of more than 18.0 VDC appears between TP85 and ground on the A Board at AC Input:  $120.0 \pm 0.2$  VAC.

#### Step 2

Input a white signal and verify that IABL is within the specified range:  $2160 \pm 100 \mu\text{A}$  (KV-35S42/S66/V42) or  $2000 \pm 100 \mu\text{A}$  (KV-32S42/S66/V42).

At AC input:  $120.0 \pm 2.0$  VAC



#### Step 3

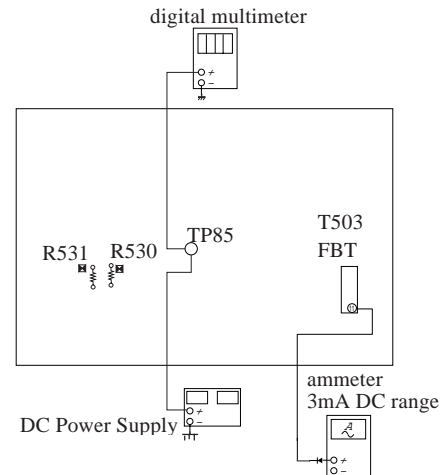
Record the voltage between TP85 and ground.

#### Step 4

Using an external DC power supply, apply voltage between TP85 and ground.

Increase the voltage gradually and confirm that the hold-down works (raster disappears) at lower than the voltage recorded in Step 3.

Lower than  $22.05 +0.0/-0.1$  VDC (KV-35S42/S66/V42) or  $26.95 +0.0/-0.1$  VDC (KV-32S42/S66/V42) at AC input:  $120.0 \pm 2.0$  VAC.



**A BOARD - CONDUCTOR SIDE**

#### Step 5

Confirm that a voltage of more than 18.0 VDC (KV-35S42/S66/V42) or 21.5 VDC (KV-32S42/S66/V42) appears between TP85 and ground at AC input:  $120.0 \pm 2.0$  VAC

### 4-2. B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Always perform the following adjustments when replacing the following components marked with X on the schematic diagram:

**G BOARD:** IC643, R661

1. Using a Variac, apply AC input voltage:  $130 \pm 2.0$  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 R661 and repeat the above steps.

## SECTION 5 CIRCUIT ADJUSTMENTS

### ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

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

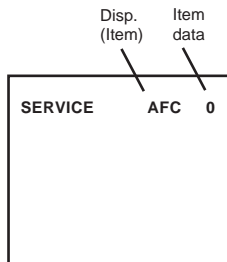
NOTE: Test Equipment Required:

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

#### 5-1. Setting the Service Adjustment Mode

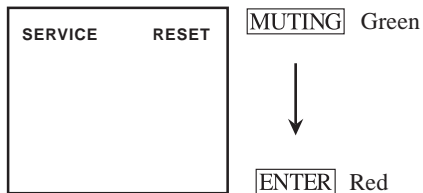
1. Standby mode. (Power off)
2. [Display] → Channel [5] → Sound volume [+] → Power on the Remote Commander. (Press each button within a second.)

#### Service Adjustment Mode In

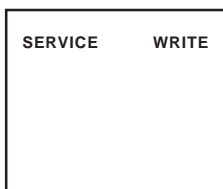


3. The CRT displays the item being adjusted.
4. Press [1] or [4] on the Remote Commander to select the item.
5. Press [3] or [6] on the Remote Commander to change the data.
6. Press [MUTING] then [ENTER] to write into memory\*\*.

#### Service Adjustment Mode Memory



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



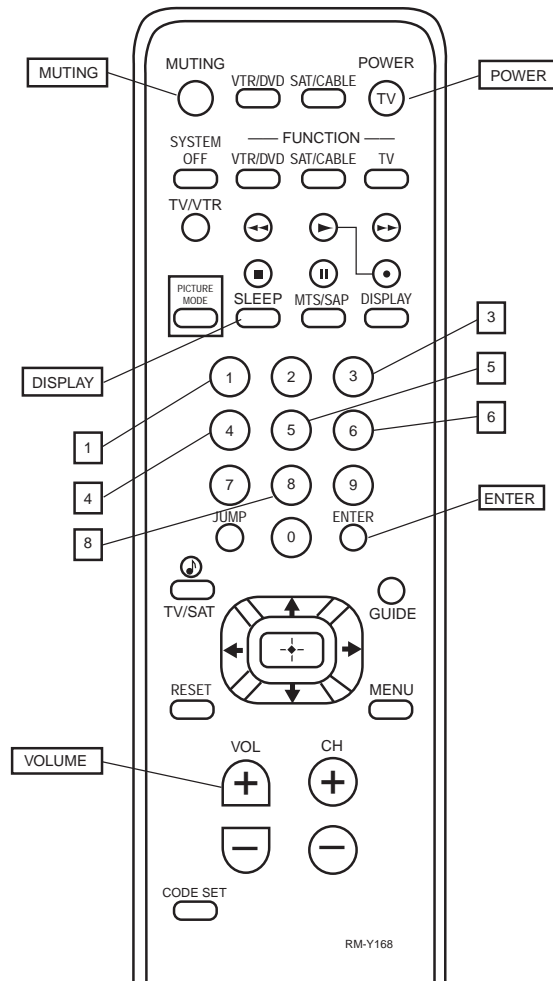
Carry out step 7 when adjusting IDs 0 to 4 and when replacing and adjusting IC002.

8. Turn set off and on to exit. \* CAUTION: Wait at least 10 seconds before turning off set.

#### 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-Y168

\*\*WARNING: Do NOT turn off the power or AC immediately after pressing [MUTING] then [ENTER]. Wait at least 10 seconds.

## 5-4. Adjustment Items

No.	Register Name	Description	Data Range	Adj/Fix	Initial Data	Average Data**					Comments
						32"		35"			
						A	C	D	G	I	
<b>VP CXA2095S</b>											
1	VPOS	V-Position	0-63	Adj	20	23		33			0:Down, 63:Up
2	VSIZ	V-Size	0-63	Adj	20	27		52			0:Min, 63:Max
3	VCOM	V-Compensation	0-3	Fix	1			1			0:Min, 3:Max
4	VLIN	V-Linearity	0-15	Adj	7			9			0:Min, 15:Max
5	VSCO	S-Correction	0-15	Adj	7	6		9			0:Min, 15:Max
6	HPOS	H-Position	0-15	Adj	7	11		10			0:Right, 15:Left
7	HSIZ	H-Size	0-63	Adj	20	23		39			0:Min, 63:Max
8	PAMP	Pin Compensation	0-63	Adj	31	27		19			0:Min, 63:Max
9	UPIN	Upper Corner Pin	0-15	Adj	7	4		7			0:Min, 15:Max
10	LPIN	Lower Corner Pin	0-15	Adj	7	6		10			0:Min, 15:Max
11	PPHA	Pin Phase	0-15	Adj	7	4		5			0:Min(small picture), 15:Max
12	AFC	AFC	0-3	Fix	2			2			0:Freerun, 1:Min, 3:Max
13	VBOW	AFC Bow	0-15	Adj	7	6		5			0:Right, 15:Left
14	VANG	AFC Angle	0-15	Adj	7	6		4			0:Right, 15:Left
15	REF	Reference Line	0-3	Fix	2			2			0:22H(Rch), 3:16H(Rch)
16	GDRV	Green Drive	0-63	Adj	31	22		35			0:Min, 63:Max
17	BDRV	Blue Drive	0-63	Adj	31	30		26			0:Min, 63:Max
18	GCUT	Green Cutoff	0-15	Adj	7	5		8			0:Min, 15:Max
19	BCUT	Blue Cutoff	0-15	Adj	7	7		6			0:Min, 15:Max
20	SCON	Sub Contrast	0-15	Adj	7	10		8			0:Min, 15:Max
21	SHUE	Sub Hue (RF only)	0-15	Adj	7	7(adjust flat - 1 step)					0:+10deg, 15:-10deg
22	1SHU	Sub Hue (composite & S-video)	0-15	Adj	7	7 (same as SHUE adjusted value)					0:+10deg, 15:-10deg
23	SCOL	Sub Color (RF only)	0-15	Adj	7	11 (adjust flat + 2 steps)					0:Min, 15:Max
24	1SCO	Sub Color (composite & S-video)	0-15	Adj	7	9 (SCOL adjusted flat, no offset)					0:Min, 15:Max
25	SBRT	Sub Brightness	0-63	Adj	31			26			0:Min, 63:Max
26	SSHP	Sub Sharpness (RF & Composite video)	0-15	Fix by model	7	10		10			0:Min, 15:Max
27	1SSP	Sub Sharpness (S-video only)	0-15	Fix by model	7	10		10			0:Min, 15:Max
28	GMMA	Gamma Correction	0-3	Fix by model	1	0		0			0:Off, 1:Min, 3:Max
29	CDM2	Countdown Mode 2	0-1	Fix	0			0			0: Normal 1: High Speed Countdown Response
30	EYSW	External Y Switch	0-1	Fix	0			0			0: Normal 1: EYin disabled
31	DPIX	Dynamic Picture	0,1	Fix	1			1			0:Off, 1:On
32	Y-DC	DC Transmission Ratio	0,1	Fix	1			1			0:100%, 1:82%
33	ABLM	ABL Mode	0,1	Fix	1			1			0:PictureABL, 1:Picture/BrightnessABL
34	AXIS	Color Demodulation Axis	0,1	Fix	1			0			0:Japan, 1:US
35	NOTC	Chroma Trap Filter	0,1	Fix	0			0			0:Off, 1:On
36	CROM	Chroma Trap Adjust	0-15	Fix	7			7			0:+300kHz, 1:-300kHz
37	TOT	TOT Filter (RF only)	0,1	Fix	1			1			0:Off, 1:On
38	1TOT	TOT Filter (Composite & S-video)	0,1	Fix	1			0			0:Off, 1:On
39	PREL	Pre/Overshoot Ratio (RF & Composite)	0-3	Fix by model	3			1			0: 2:1, 3: 5:1
40	1PRE	Pre/Overshoot Ratio (S-video only)	0-3	Fix by model	3			3			0: 2:1, 3: 5:1
41	SHPF	Sharpness fo (RF & Composite)	0-3	Fix by model	2			1			0:2.5MHz, 3:4.0MHz
42	1SPF	Sharpness fo (S-video only)	0-3	Fix by model	2			3			0:2.5MHz, 3:4.0MHz
43	RON	Red Off	0,1	Fix	1			1			0:Off, 1:On
44	GON	Green Off	0,1	Fix	1			1			0:Off, 1:On
45	BON	Blue Off	0,1	Fix	1			1			0:Off, 1:On
46	DCOL	Dynamic Color	0,1	Fix	0	1 (adjusted @ 0, but shipped as 1)					0:Off, 1:On
47	CDMD	V Countdown Mode	0,1	Fix	0			0			0:Auto, 1:Fix
48	HBSW	H Blanking Switch	0,1	Fix	0			0			0:Off, 1:On
49	LBLK	Left Blanking	0-15	Fix	0			7			0:Min, 15:Max
50	RBLK	Right Blanking	0-15	Fix	0			7			0:Min, 15:Max
<b>AP CXA2021</b>											
51	SVOL	Sub Volume	0-15	Fix	0			6			0:-0 Volume steps, 15:-15 Volume steps
52	SBAL	Sub Balance	0-15	Fix	7			7			0: +Right, 15:+Left
53	SBAS	Sub Bass	0-15	Fix by model	7	8	7	8	10		0:-7 Steps, 15: +8 steps
54	STRE	Sub Treble	0-15	Fix by model	7	10	7	10	7		0:-7 Steps, 15: +8 steps
<b>MM1311/1313</b>											
55	AUSW	Audio Att Sw	0,1	Fix	1			1			0:-6dB, 1:0dB (Only for VIDEO input)

\*\*AVERAGE DATA MODEL GROUPINGS:

32" A: KV-32S42 C: KV-32S66 D: KV-32V42	35" G: KV-35S42 I: KV-35S66 L: KV-35V42
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## Adjustment Items (cont.)

No.	Register Name	Description	Data Range	Adj/Fix	Initial Data	Average Data**					Comments
						32"		35"			
						A.C	D	G	I	L	
<b>PI SDA9288</b>											
56	PYSD	Select Delay	0-15	Fix by P-bd		3					0:Right, 15:Left
57	PIPH	PIP H-position	0-127	Fix	78	78					0:Right, 127:Left
58	PIPV	PIP V-position	0-63	Fix	18	18					0:Up, 63:Down
59	PYDL	PIP Y-delay	0-7	Fix	0	0					0:Right, 7:Left
60	PHDL	H-pulse delay	0-15	Fix by P-bd	3	0					0:Right, 15:Left
61	PMVD	Main V-pulse delay	0-31	Fix	16	16					7-21: Available (1-6/22-31 Not Avail)
62	PIVD	Inset V-pulse delay	0-31	Fix	22	22					16-28 Available (1-15/29-31 Not Avail)
63	PCON	Inset Contrast	0-15	Fix	7	6					0:Min, 15:Max
64	FRMY	Frame Y	0-15	Fix	7	7					0:Dark, 15:Bright
65	CHRI	Input Polarity	0,1	Fix by P-bd	1	1					0:+(B-Y)+(R-Y), 1:-(B-Y)-(R-Y)
66	CHRO	Output Polarity	0,1	Fix	1	1					0:+(B-Y)+(R-Y), 1:-(B-Y)-(R-Y)
67	IPER	Inset Pedestal R-Y	0-15	Fix	0	0					0:Center, 7:Max, 8:Min
68	IPEB	Inset Pedestal B-Y	0-15	Fix	0	0					0:Center, 7:Max, 8:Min
69	PCPS	CLPS Bit Control	0,1	Fix	0	0					0:Depend on HSIDEL, 1:Not depend
70	PCPF	CLPFIX Bit Control	0,1	Fix	0	0					0: 3Clamp line, 1: 2Clamp line
71	PSEL	SELDOWN Bit Control	0,1	Fix by P-bd	1	1					0:Open out, 1:TTL out
72	PPLL	PLL Filter Bits	0-3	Fix	0	0					Fixed value only
73	PVNR	VSPISQ VSP NR	0-1	Fix	0	1					SDA9288 IC bypass use 1
<b>IC CXA2019</b>											
74	ISCO	CDec Sub Contrast	0-15	Fix	7	15					PIP sub contrast
75	ISHP	CDec Sharpness	0-15	Fix	7	8					PiP sharpness
76	ISCL	CDec Sub Color	0-15	Fix	7	9					PiP sub color
77	ISHU	CDec Sub Hue	0-15	Fix	7	6					PiP sub hue
78	ITOT	CDec TOT on	0,1	Fix	0	1					PiP TOT 0:Off, 1:On
79	IAFC	CDec AFC	0-3	Fix	2	2					0:Max, 2:Min, 3:Freerun
80	ICD2	CDec Countdown Mode2	0,1	Fix	0	0					0:Standard, 1:Fast
81	IYDR	CDec Y drive	0-31	Fix	15	7					PiP Y-drive gain
82	IVPE	CDec V pedestal	0-15	Fix	7	6					PiP V-ped DC
83	IUPE	CDec U pedestal	0-15	Fix	7	6					PiP U-ped DC
84	IRVP	CDec RV pedestal	0-15	Fix	7	6					PiP V-ped DC (re-input)
85	IRUP	CDec RU pedestal	0-15	Fix	7	6					PiP U-ped DC (re-input)
86	IDCT	CDec DC transfer	0-7	Fix	2	0					PiP DC transfer 0:Max, 7:Min
87	IRYD	CDec RY drive	0-31	Fix	15	20					PiP RY Drive (re-input)
88	IABO	CDec ABL off	0,1	Fix	1	1					PiP ABL (RY-OUT) 0:On, 1:Off
89	IPRE	CDec Pre/Over shoot	0-3	Fix	3	3					PiP Pre/over shoot 0: 1:1, 1: 4:1
90	IRUD	CDec RU Drive	0-31	Fix	15	20					PiP RU-gain out 0:-6dB, 31:+3.3dB
91	IABL	CDec ABL	0,1	Fix	1	1					PiP ABL gain 0:Std, 1:Min
92	IABC	CDec ABL Cent	0-3	Fix	1	1					PiP ABL Center 0:Min, 1:Max
93	IRVD	CDec RV drive	0-31	Fix	15	17					PiP RY Drive (re-input)
94	IDLY	CDec Delay	0-3	Fix	0	0					PiP Y-delay 0:0ns, 1:60ns, 2:120ns, 3:180ns
95	ISCR	CDec SCP BGR	0-3	Fix	0	0					PiP SCP riseup phase 0:+0.4us, 1:cent, 2:-0.8us
96	ISCF	CDec SCP BGF	0-3	Fix	0	0					PiP SCP falldown phase 0:+0.4us, 1:cent, 2:-0.8us
<b>PI + CD + PiP + Vchip</b>											
97	PFRN	VCXO Oscillation	0,1	Fix	0	0					0: Lock 1: Free Run...FREE_RUN
98	PRVS	HD/VD Input Synchronous Mode Selection	0,1	Fix	0	0					0: Sync 1: Async...RVS
99	PCON	Sub-Contrast	0-127	Fix	32	40					0: Min 127: Max...CONTRAST
100	PUCO	Sub U Level Control	0-15	Fix	7	7					0: Min 15: Max...calculated
101	PVCO	Sub V Level Control	0-15	Fix	7	7					0: Min 15: Max...calculated
102	PHUE	Hue	0-31	Fix	15	11					0: Red 31: Green...calculated
103	PKIL	Color Killer	0,1	Fix	0	0					0: Enable 1: Disable...KILLER
104	PSEP	C-Sync Sep Input Selection	0-3	Fix	2	2					0: Digital 1:23pin in 2:ext 18p 3:int analog...EXT SC_SEL
105	PDCO	Digital Sync Sep Threshold Setting	0-3	Fix	0	0					Threshold Setting...DCOUNT
106	PEXP	Ext Port Setting	0-3	Fix	2	2					0/1: Sub BGP 2: "0" out 3: "1" out...EXPORT
107	PBGS	BGP Position Setting	0-63	Fix	14	14					Sub Picture BGP Position...BG_START
108	PYDL	Y/C Delay Adjust	0-15	Fix	7	7					Sub Picture Y/C Delay...YDL
109	PBRT	Y Brightness	0-31	Fix	25	25					Sub Picture Y Bright Control...Y_OFFSET
110	PVPE	V Pedestal Level	0-15	Fix	0	0					V Pedestal Level (2's comp)...PEDESTV
111	PUPE	U Pedestal Level	0-15	Fix	0	0					U Pedestal Level (2's comp)...PEDESTU
112	PACS	0Dh/0Eh Setting Mode	0,1	Fix	1	1					
113	PSDL	Sync Delay	0-3	Fix	0	0					
114	PMVP	Macrovision Mode Selection	0-3	Fix	0	0					
115	PCGA	Chrome Gain Mode	0,1	Fix	1	1					
116	PBIT	Y Clamp Time Constant	0,1	Fix	0	0					
117	PAFC	AFC Time Constant	0,1	Fix	0	0					

\*\*AVERAGE DATA MODEL GROUPINGS:

32" A: KV-32S42  
C: KV-32S66  
D: KV-32V42

35" G: KV-35S42  
I: KV-35S66  
L: KV-35V42

Adjustment Items (cont.)

No.	Register Name	Description	Data Range	Adj/Fix	Initial Data	Average Data**					Comments
						32"		35"			
						A,C	D	G	I	L	
118	PACC	Color Decoder Amplitude	0-63	Fix	15		15				
119	PBUR	VCO Mode Selection	0,1	Fix	0		0				
120	PEVE	Main Picture PAL-N	0,1	Fix	0		0				
121	PINW	Invert Sub Picture Field Definition	0,1	Fix	0		0				
122	PINR	Invert Main Picture Field Definition	0,1	Fix	0		0				
123	PREF	Main Picture Field Fix	0,1	Fix	0		0				
124	PARE	Auto 50/60 Hz Detection	0,1	Fix	1		1				
125	PAVE	Sub Picture Decode Mode	0,1	Fix	0		0				
126	PFRA	Freq Adj for Free Run Mode	0-15	Fix	0		0				
127	PPAL	Parameter Setting for PAL-M Judgement	0-255	Fix	0		0				
128	PHPO	Sub Picture H Position	0-31	Fix	6		15				
129	PVPO	Sub Picture V Position	0-31	Fix	22		22				
130	PHTI	Display Timing Adjustment	0-15	Fix	10		10				
131	PHAJ	Main/Sub Switch Delay Control	0-15	Fix	2		2				
132	PBGY	Background Y Level Setting	0-15	Fix	0		0				
133	PCRO	Sub Picture Read Mode	0,1	Fix	0		0				
134	PPAR	Threshold Control For Ident Judge of Subject	0-63	Fix	2		2				
135	PHPF	Y Output HPF	0,1	Fix	1		0				
136	PVCH	15h, 16h, 17h Setting Mode	0,1	Fix	0		0				
137	PVON	Sub V-Chip Decode Mode	0,1	Fix	1		1				
138	PVLN	Sub V-Chip Slicer Line Select	0-31	Fix	17		17				
139	PVSB	Sub V-Chip Slicer Start Bit Detect Param	0-255	Fix	64		64				
140	PVLV	Sub V-Chip Data Slicer Level Param	0-255	Fix	130		130				
CC CXP85840a-011s											
141	CRIL	CC CRI count low	0-15	Fix	2		2				7 Clock Run-In Lower Limit (field 1)
142	CFLD	CC Caption Fixed Field Count	0-15	Fix	5		5				Fixed value only
143	CCDI	CC CCD int	0-7	Fix	3		3				Fixed value only
144	CRIP	CC CRI & polarity	0-7	Fix	4		4				Fixed value only
145	CRIT	CC CRI time constant	0-3	Fix	1		1				Fixed value only
146	CSB1	CC Sync Slice Bias 1	0-3	Fix	3		3				Fixed value only
147	CSB2	CC Synce Slice Bias 2	0-7	Fix	4		4				Fixed value only
148	CREP	CC CRI signal end position	0-255	Fix	142		142				Fixed value only
149	CDSD	CC Data start delay	0-31	Fix	8		8				Fixed value only
150	CCDS	CC Caption data threshold	0-31	Fix	9		9				Fixed value only
151	CHMK	CC P8_HMASK	0-63	Fix	42		42				Hmask
152	CHSY	CC P8_HSYC	0-255	Fix	136		136				Hsync
153	DISP	TV OSD H Position	0-63	Adj	1		23				0:Off, 1:Left, 63: Right
154	RTCO	Rotation Coil	0-63	Fix	32		32				Fixed value only
ID MAP											
155	ID-0	ID-0 (Language/Color Systems)	0-255	Fix by model	89						See ID map
156	ID-1	ID-1 (Input/Output Configuration)	0-255	Fix by model	55						See ID map
157	ID-2	ID-2 (Audio)	0-255	Fix by model	175						See ID map
158	ID-3	ID-3 (OSD/Timer/V-chip/Ch Fix)	0-255	Fix by model	0						See ID map
159	ID-4	ID-4 (CC/Spot Killer/etc)	0-255	Fix by model	155						See ID map
160	ID-5	ID-5 (V-series Features/etc)	0-255	Fix by model	141						See ID map
161	ID-6	ID-6 (PiP/Ant Sw related)	0-255	Fix by model	6						See ID map
162	ID-7	ID-7 (Special Models/etc)	0-255	Fix by model	0						See ID map

\*\*AVERAGE DATA MODEL GROUPINGS:

32" A: KV-32S42 C: KV-32S66 D: KV-32V42	35" G: KV-35S42 I: KV-35S66 L: KV-35V42
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SERVICE IDO 25

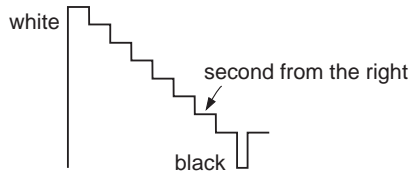
Note: Items 1-162 show adjustment order

5-5. Feature ID Map

	Destination	ID-0	ID-1	ID-2	ID-3	ID-4	ID-5	ID-6	ID-7
KV-32S42	(US)	25	17	31	106	11	129	0	0
KV-32S42	(CND)	89	17	31	58	11	129	0	0
KV-32S66	(US)	25	21	31	106	11	133	6	0
KV-32S66	(CND)	89	21	31	58	11	133	6	0
KV-32V42	(US)	25	23	175	106	11	129	0	0
KV-35S42	(US)	25	17	31	106	139	129	0	0
KV-35S42	(CND)	89	17	31	58	139	129	0	0
KV-35S66	(US)	25	21	31	106	139	133	6	0
KV-35S66	(CND)	89	21	31	58	139	133	6	0
KV-35V42	(US)	25	23	175	106	139	129	0	0

### SUB BRIGHT ADJUSTMENT (SBRT)

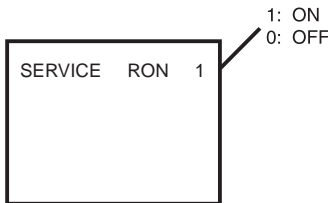
1. Set to Service adjustment Mode.
2. Input a gray scale pattern signal.
3. Set the PICTURE to minimum, and BRIGHT to normal.
4. Select SBRT with **[1]** and **[4]**.
5. Adjust SUB BRIGHT level with **[3]** and **[6]** so that the stripe second from the right is faintly visible.
6. Write into the memory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



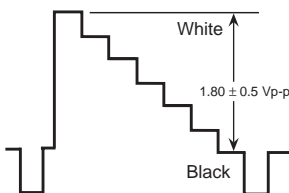
### SUB CONTRAST ADJUSTMENT (SCON)

1. Input a color-bar signal.
2. Set to Service adjustment Mode.
3. Select the item DCOL to "0" level.
4. Set the conditions as follows.

PICTURE ..... MAX  
 COLOR ..... MIN  
 BRIGHT ..... CENTER  
 R ON ..... ON (1)  
 G ON ..... OFF (0)  
 B ON ..... OFF (0)



5. Connect an oscilloscope probe to C Board, CN1761 pin 1 (RED OUT).
6. Select SCON with **[1]** and **[4]**.
7. Adjust with **[3]** and **[6]** for:  $1.80 \pm 0.05$  Vp-p.



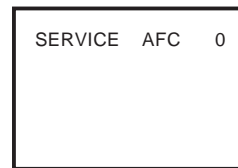
8. Reset the item DCOL to "1" level.
9. Write the memory by pressing **[MUTING]** then **[ENTER]\*\***.

10. Return the following back to normal after adjustment.

PICTURE ..... MAX  
 COLOR ..... MIN  
 BRIGHT ..... CENTER  
 R ON ..... ON (1)  
 G ON ..... ON (1)  
 B ON ..... ON (1)

### DISPLAY 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]\*\***.



### SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)

1. Input a color-bar signal.
2. Set to Service adjustment Mode.
3. Connect oscilloscope probe to C Board, CN1761 Pin3 (BLUE OUT).
4. Select SHUE and SCOL with **[1]** and **[4]**.
5. Adjust with **[3]** and **[6]** for the  $V1 = V4 \pm 0.1$  Vp-p (SCOL) and  $V2 = V3 \pm 0.1$  Vp-p (SHUE).



6. Change data according to the following table:

	SCOL	SHUE
32"	+2 steps	-1 steps
35"	+2 steps	-1 steps

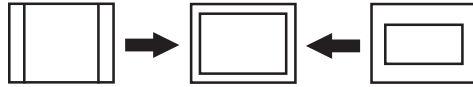
7. Write into the memory by pressing **[MUTING]** then **[ENTER]\*\***.

**\*\*WARNING:** Do NOT turn off the power or AC immediately after pressing **[MUTING]** then **[ENTER]**. Wait at least 10 seconds.

## 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.

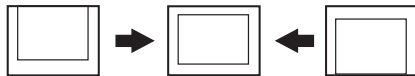
V SIZE



## 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]\*\***.

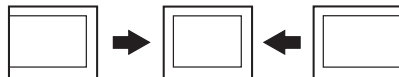
V POSITION



## H. POSITION ADJUSTMENT (HPOS)

1. Input a cross-hatch 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]\*\***.

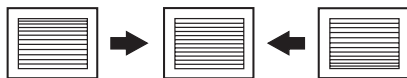
H. POSITION



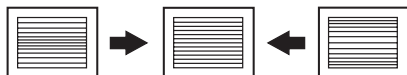
## V LINEARITY (VLIN), V CORRECTION (VSCO), PIN AMP (PAMP) AND PIN PHASE (PPHA) ADJUSTMENTS

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]\*\***.

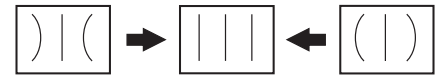
V LINEARITY(VLIN)



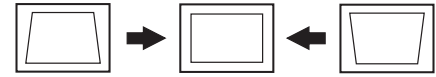
VS CORRECTION (VSCO)



PIN AMP (PAMP)



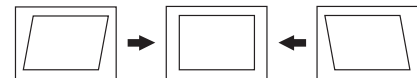
PIN PHASE (PPHA)



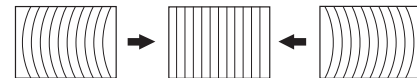
## V ANGLE (VANG), V BOW (VBOW), UPPER PIN (UPIN) AND LOW PIN (LPIN) ADJUSTMENTS

1. Input a cross hatch signal.
2. Set to Service adjustment Mode.
3. Select VVANG, 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]\*\***.

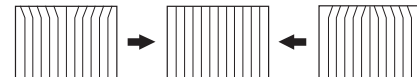
V ANGLE (VANG)



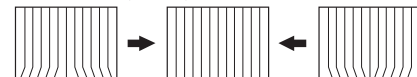
V BOW (VBOW)



UPPER PIN (UPIN)



LOW PIN (LPIN)



## P BOARD ADJUSTMENTS

### PIP V. POSITION (PIPV), PIP H. POSITION (PIPH)

1. Input a color bar signal.
2. Set to service adjustment mode.
3. Select PHOP with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best balanced position at four corner P in P display position.
5. Adjust P in P put at lower right position.
6. Write the memory by Pressing **[MUTING]** then **[ENTER]\*\***.

\*\*WARNING: Do NOT turn off the power or AC immediately after pressing **[MUTING]** then **[ENTER]**. Wait at least 10 seconds.

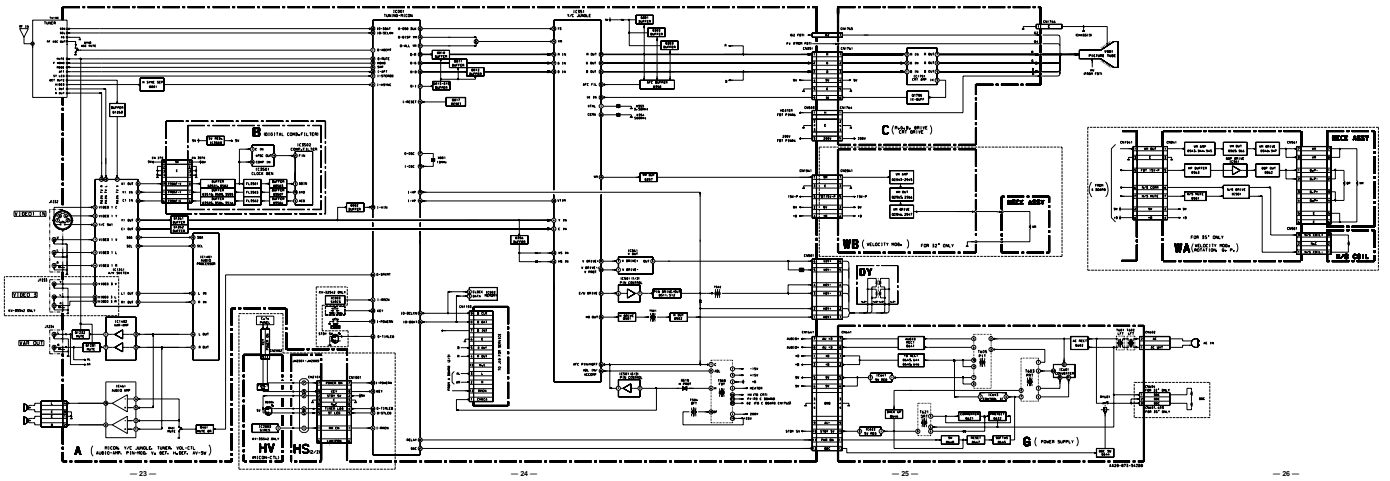


6.1 BLOCK DIAGRAM (1/1)  
(KY-328/2358/2 ONLY)

SECTION 6  
DIAGRAMS



KY-328/2358/2/42355/42355/42355/86120/42



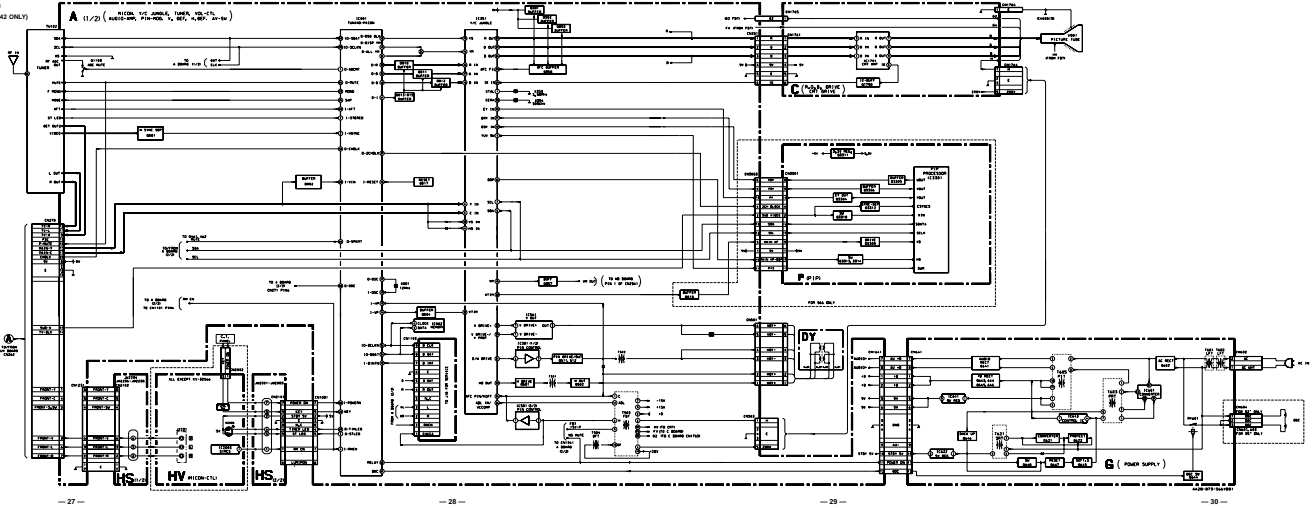
- 23 -

- 24 -

- 25 -

- 26 -

6.2.1 BLOCK DIAGRAM (1/2)  
(KV-3256632V4232566635V42 ONLY)



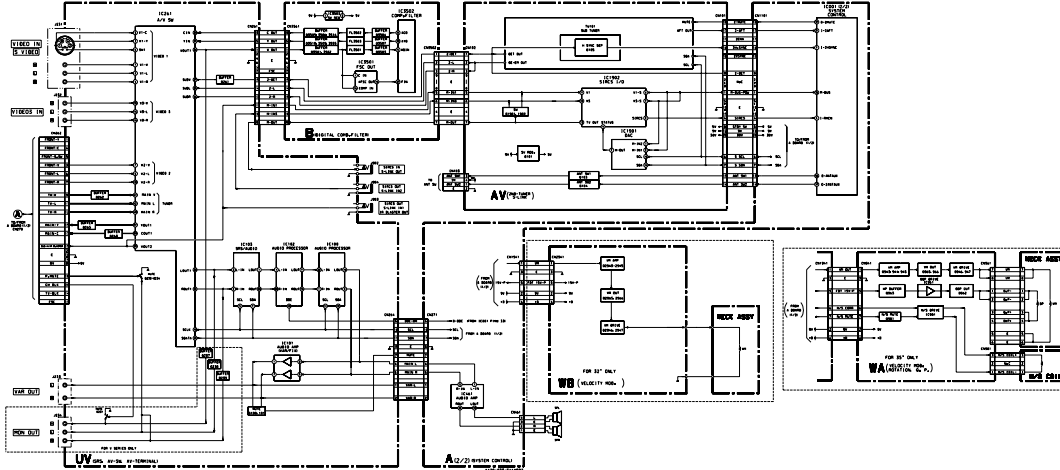
- 27 -

- 28 -

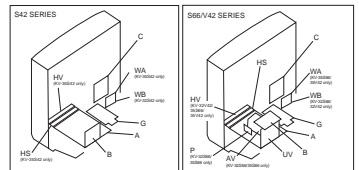
- 29 -

- 30 -

6.2.2 BLOCK DIAGRAM (D72)  
(KX-2586/2V42/425586/5V42 ONLY)



6-3. CIRCUIT BOARDS LOCATION

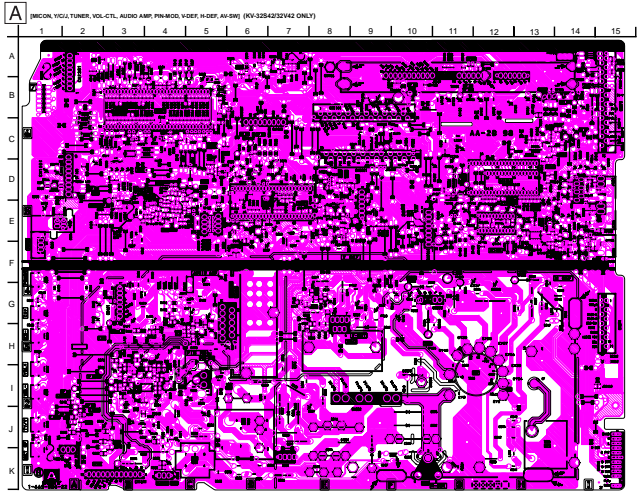


6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- All capacitors are in  $\mu$ F unless otherwise noted.  $\mu$  -  $\mu$ F 500V or less are not indicated except for electrolytic and tantalum.
- All electrolytics are 100% unless otherwise specified.
- All resistors are 1%.
- All resistors are 1/4W.
- KVA-1000, Micro-5000
- Indication of orientation, which differs from one to the other, is as follows:
  - ① - Pin
  - ② - Pin
  - ③ - Pin
  - ④ - Pin
  - ⑤ - Pin
  - ⑥ - Pin
  - ⑦ - Pin
  - ⑧ - Pin
  - ⑨ - Pin
  - ⑩ - Pin
  - ⑪ - Pin
  - ⑫ - Pin
  - ⑬ - Pin
  - ⑭ - Pin
  - ⑮ - Pin
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  - ㊿ - Pin

**Reference Information**  
 RESISTOR: ① METAL FILM  
 ② CERAMIC  
 ③ FPO NON-INDUCIBLE CARBON  
 ④ FPO NON-INDUCIBLE CERAMIC  
 ⑤ FPO NON-INDUCIBLE EPOROLAND  
 ⑥ FPO NON-INDUCIBLE CERAMIC  
 ⑦ FPO NON-INDUCIBLE CERAMIC  
 ⑧ FPO NON-INDUCIBLE CERAMIC  
 ⑨ FPO NON-INDUCIBLE CERAMIC  
 ⑩ FPO NON-INDUCIBLE CERAMIC  
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 ㊿ FPO NON-INDUCIBLE CERAMIC

**Part replaced**  
 C01, C02, R01, R02, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246, R247, R248, R249, R250, R251, R252, R253, R254, R255, R256, R257, R258, R259, R260, R261, R262, R263, R264, R265, R266, R267, R268, R269, R270, R271, R272, R273, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287, R288, R289, R290, R291, R292, R293, R294, R295, R296, R297, R298, R299, R300, R301, R302, R303, R304, R305, R306, R307, R308, R309, R310, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, 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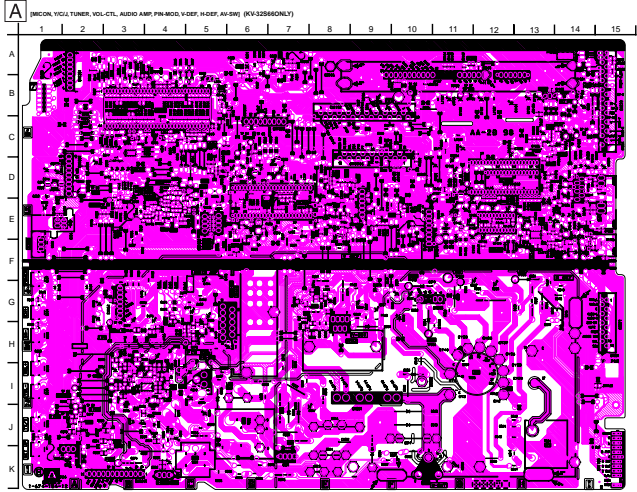
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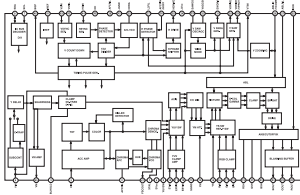
NOTE:  
 Positions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

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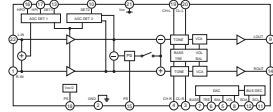
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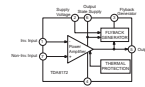
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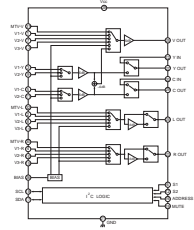
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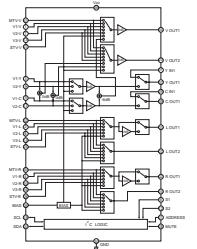
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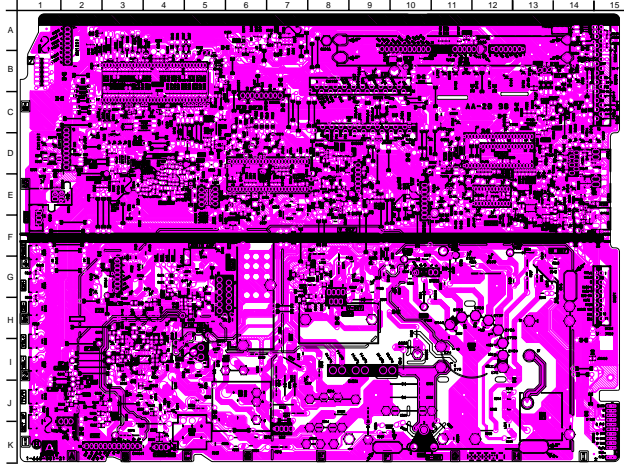
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A BOARD: IC1261 MM1313AD



A [MICRO, VIDEO, TUNER, VOL-CTL, AUDIO AMP, PIN-BOG, V-DEF, H-DEF, AV-SIG] (KV-3542359V2 ONLY)

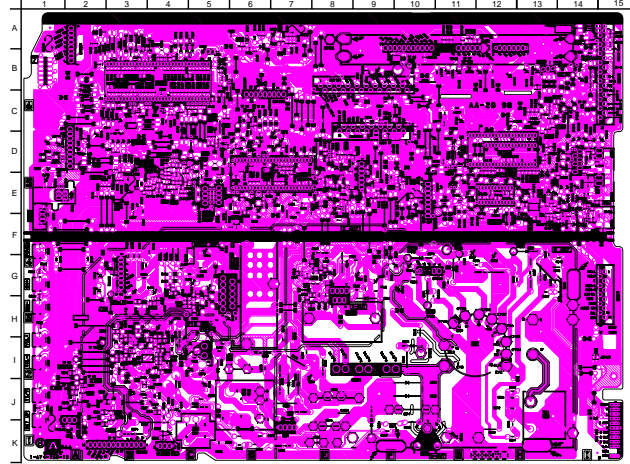


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A76	2N3859
A77	2N3859
A78	2N3859
A79	2N3859
A80	2N3859
A81	2N3859
A82	2N3859
A83	2N3859
A84	2N3859
A85	2N3859
A86	2N3859
A87	2N3859
A88	2N3859
A89	2N3859
A90	2N3859
A91	2N3859
A92	2N3859
A93	2N3859
A94	2N3859
A95	2N3859
A96	2N3859
A97	2N3859
A98	2N3859
A99	2N3859
A100	2N3859

NOTE: Positions of the circuit marked on above are high +80µg error. Use care to prevent electric shocks during inspection or repair.

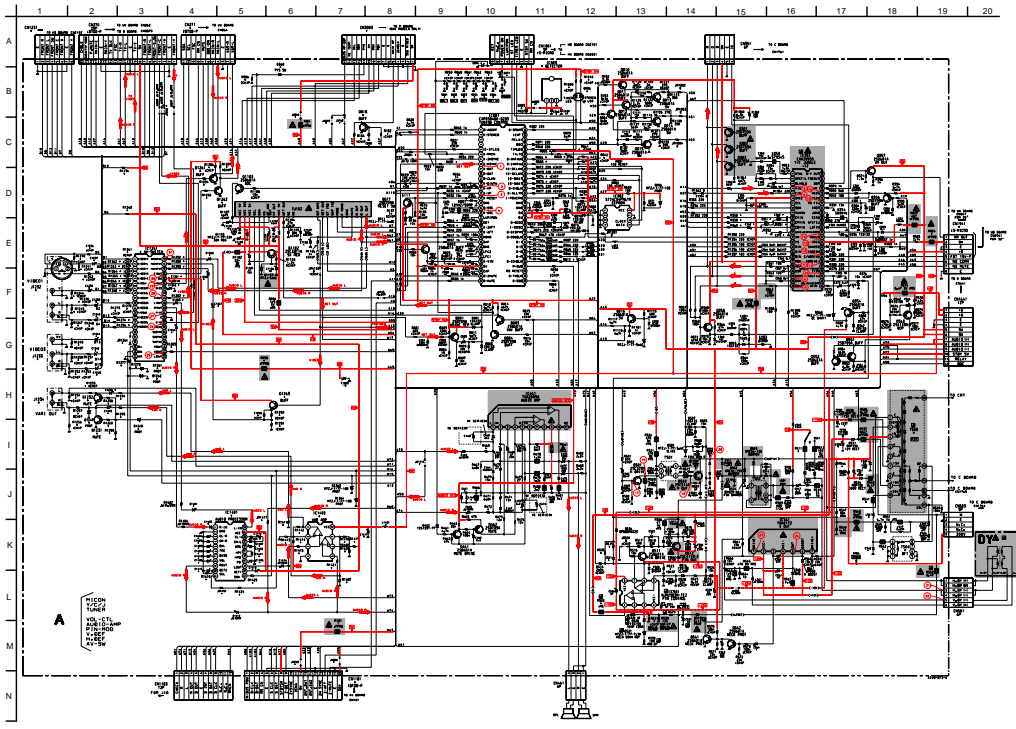
A [MICRO, VIDEO, TUNER, VOL-CTL, AUDIO AMP, PIN-BOG, V-DEF, H-DEF, AV-SIG] (KV-3556 ONLY)



A BOARD LOCATOR LIST (PAGE 41 ONLY)

LOC	TRANSISTOR
A1	2N3859
A2	2N3859
A3	2N3859
A4	2N3859
A5	2N3859
A6	2N3859
A7	2N3859
A8	2N3859
A9	2N3859
A10	2N3859
A11	2N3859
A12	2N3859
A13	2N3859
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A15	2N3859
A16	2N3859
A17	2N3859
A18	2N3859
A19	2N3859
A20	2N3859
A21	2N3859
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A23	2N3859
A24	2N3859
A25	2N3859
A26	2N3859
A27	2N3859
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A29	2N3859
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A36	2N3859
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A38	2N3859
A39	2N3859
A40	2N3859
A41	2N3859
A42	2N3859
A43	2N3859
A44	2N3859
A45	2N3859
A46	2N3859
A47	2N3859
A48	2N3859
A49	2N3859
A50	2N3859
A51	2N3859
A52	2N3859
A53	2N3859
A54	2N3859
A55	2N3859
A56	2N3859
A57	2N3859
A58	2N3859
A59	2N3859
A60	2N3859
A61	2N3859
A62	2N3859
A63	2N3859
A64	2N3859
A65	2N3859
A66	2N3859
A67	2N3859
A68	2N3859
A69	2N3859
A70	2N3859
A71	2N3859
A72	2N3859
A73	2N3859
A74	2N3859
A75	2N3859
A76	2N3859
A77	2N3859
A78	2N3859
A79	2N3859
A80	2N3859
A81	2N3859
A82	2N3859
A83	2N3859
A84	2N3859
A85	2N3859
A86	2N3859
A87	2N3859
A88	2N3859
A89	2N3859
A90	2N3859
A91	2N3859
A92	2N3859
A93	2N3859
A94	2N3859
A95	2N3859
A96	2N3859
A97	2N3859
A98	2N3859
A99	2N3859
A100	2N3859

NOTE: Positions of the circuit marked on above are high +80µg error. Use care to prevent electric shocks during inspection or repair.

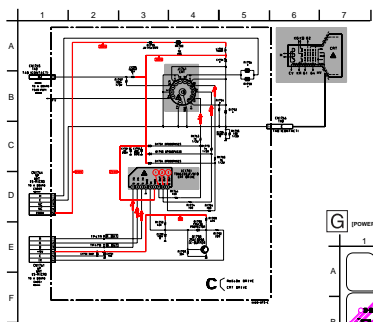


A BOARD MARK (T) LIST

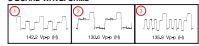
MARK	QTY	REF DES	VALUE	UNIT	PCB REF	PCB QTY	PCB VALUE	PCB UNIT	PCB REF	PCB QTY	PCB VALUE	PCB UNIT
1001	1	R101	10K	Ω	PCB101	1	10K	Ω	PCB101	1	10K	Ω
1002	1	R102	10K	Ω	PCB102	1	10K	Ω	PCB102	1	10K	Ω
1003	1	R103	10K	Ω	PCB103	1	10K	Ω	PCB103	1	10K	Ω
1004	1	R104	10K	Ω	PCB104	1	10K	Ω	PCB104	1	10K	Ω
1005	1	R105	10K	Ω	PCB105	1	10K	Ω	PCB105	1	10K	Ω
1006	1	R106	10K	Ω	PCB106	1	10K	Ω	PCB106	1	10K	Ω
1007	1	R107	10K	Ω	PCB107	1	10K	Ω	PCB107	1	10K	Ω
1008	1	R108	10K	Ω	PCB108	1	10K	Ω	PCB108	1	10K	Ω
1009	1	R109	10K	Ω	PCB109	1	10K	Ω	PCB109	1	10K	Ω
1010	1	R110	10K	Ω	PCB110	1	10K	Ω	PCB110	1	10K	Ω
1011	1	R111	10K	Ω	PCB111	1	10K	Ω	PCB111	1	10K	Ω
1012	1	R112	10K	Ω	PCB112	1	10K	Ω	PCB112	1	10K	Ω
1013	1	R113	10K	Ω	PCB113	1	10K	Ω	PCB113	1	10K	Ω
1014	1	R114	10K	Ω	PCB114	1	10K	Ω	PCB114	1	10K	Ω
1015	1	R115	10K	Ω	PCB115	1	10K	Ω	PCB115	1	10K	Ω
1016	1	R116	10K	Ω	PCB116	1	10K	Ω	PCB116	1	10K	Ω
1017	1	R117	10K	Ω	PCB117	1	10K	Ω	PCB117	1	10K	Ω
1018	1	R118	10K	Ω	PCB118	1	10K	Ω	PCB118	1	10K	Ω
1019	1	R119	10K	Ω	PCB119	1	10K	Ω	PCB119	1	10K	Ω
1020	1	R120	10K	Ω	PCB120	1	10K	Ω	PCB120	1	10K	Ω
1021	1	R121	10K	Ω	PCB121	1	10K	Ω	PCB121	1	10K	Ω
1022	1	R122	10K	Ω	PCB122	1	10K	Ω	PCB122	1	10K	Ω
1023	1	R123	10K	Ω	PCB123	1	10K	Ω	PCB123	1	10K	Ω
1024	1	R124	10K	Ω	PCB124	1	10K	Ω	PCB124	1	10K	Ω
1025	1	R125	10K	Ω	PCB125	1	10K	Ω	PCB125	1	10K	Ω
1026	1	R126	10K	Ω	PCB126	1	10K	Ω	PCB126	1	10K	Ω
1027	1	R127	10K	Ω	PCB127	1	10K	Ω	PCB127	1	10K	Ω
1028	1	R128	10K	Ω	PCB128	1	10K	Ω	PCB128	1	10K	Ω
1029	1	R129	10K	Ω	PCB129	1	10K	Ω	PCB129	1	10K	Ω
1030	1	R130	10K	Ω	PCB130	1	10K	Ω	PCB130	1	10K	Ω
1031	1	R131	10K	Ω	PCB131	1	10K	Ω	PCB131	1	10K	Ω
1032	1	R132	10K	Ω	PCB132	1	10K	Ω	PCB132	1	10K	Ω
1033	1	R133	10K	Ω	PCB133	1	10K	Ω	PCB133	1	10K	Ω
1034	1	R134	10K	Ω	PCB134	1	10K	Ω	PCB134	1	10K	Ω
1035	1	R135	10K	Ω	PCB135	1	10K	Ω	PCB135	1	10K	Ω
1036	1	R136	10K	Ω	PCB136	1	10K	Ω	PCB136	1	10K	Ω
1037	1	R137	10K	Ω	PCB137	1	10K	Ω	PCB137	1	10K	Ω
1038	1	R138	10K	Ω	PCB138	1	10K	Ω	PCB138	1	10K	Ω
1039	1	R139	10K	Ω	PCB139	1	10K	Ω	PCB139	1	10K	Ω
1040	1	R140	10K	Ω	PCB140	1	10K	Ω	PCB140	1	10K	Ω
1041	1	R141	10K	Ω	PCB141	1	10K	Ω	PCB141	1	10K	Ω
1042	1	R142	10K	Ω	PCB142	1	10K	Ω	PCB142	1	10K	Ω
1043	1	R143	10K	Ω	PCB143	1	10K	Ω	PCB143	1	10K	Ω
1044	1	R144	10K	Ω	PCB144	1	10K	Ω	PCB144	1	10K	Ω
1045	1	R145	10K	Ω	PCB145	1	10K	Ω	PCB145	1	10K	Ω
1046	1	R146	10K	Ω	PCB146	1	10K	Ω	PCB146	1	10K	Ω
1047	1	R147	10K	Ω	PCB147	1	10K	Ω	PCB147	1	10K	Ω
1048	1	R148	10K	Ω	PCB148	1	10K	Ω	PCB148	1	10K	Ω
1049	1	R149	10K	Ω	PCB149	1	10K	Ω	PCB149	1	10K	Ω
1050	1	R150	10K	Ω	PCB150	1	10K	Ω	PCB150	1	10K	Ω
1051	1	R151	10K	Ω	PCB151	1	10K	Ω	PCB151	1	10K	Ω
1052	1	R152	10K	Ω	PCB152	1	10K	Ω	PCB152	1	10K	Ω
1053	1	R153	10K	Ω	PCB153	1	10K	Ω	PCB153	1	10K	Ω
1054	1	R154	10K	Ω	PCB154	1	10K	Ω	PCB154	1	10K	Ω
1055	1	R155	10K	Ω	PCB155	1	10K	Ω	PCB155	1	10K	Ω
1056	1	R156	10K	Ω	PCB156	1	10K	Ω	PCB156	1	10K	Ω
1057	1	R157	10K	Ω	PCB157	1	10K	Ω	PCB157	1	10K	Ω
1058	1	R158	10K	Ω	PCB158	1	10K	Ω	PCB158	1	10K	Ω
1059	1	R159	10K	Ω	PCB159	1	10K	Ω	PCB159	1	10K	Ω
1060	1	R160	10K	Ω	PCB160	1	10K	Ω	PCB160	1	10K	Ω
1061	1	R161	10K	Ω	PCB161	1	10K	Ω	PCB161	1	10K	Ω
1062	1	R162	10K	Ω	PCB162	1	10K	Ω	PCB162	1	10K	Ω
1063	1	R163	10K	Ω	PCB163	1	10K	Ω	PCB163	1	10K	Ω
1064	1	R164	10K	Ω	PCB164	1	10K	Ω	PCB164	1	10K	Ω
1065	1	R165	10K	Ω	PCB165	1	10K	Ω	PCB165	1	10K	Ω
1066	1	R166	10K	Ω	PCB166	1	10K	Ω	PCB166	1	10K	Ω
1067	1	R167	10K	Ω	PCB167	1	10K	Ω	PCB167	1	10K	Ω
1068	1	R168	10K	Ω	PCB168	1	10K	Ω	PCB168	1	10K	Ω
1069	1	R169	10K	Ω	PCB169	1	10K	Ω	PCB169	1	10K	Ω
1070	1	R170	10K	Ω	PCB170	1	10K	Ω	PCB170	1	10K	Ω
1071	1	R171	10K	Ω	PCB171	1	10K	Ω	PCB171	1	10K	Ω
1072	1	R172	10K	Ω	PCB172	1	10K	Ω	PCB172	1	10K	Ω
1073	1	R173	10K	Ω	PCB173	1	10K	Ω	PCB173	1	10K	Ω
1074	1	R174	10K	Ω	PCB174	1	10K	Ω	PCB174	1	10K	Ω
1075	1	R175	10K	Ω	PCB175	1	10K	Ω	PCB175	1	10K	Ω
1076	1	R176	10K	Ω	PCB176	1	10K	Ω	PCB176	1	10K	Ω
1077	1	R177	10K	Ω	PCB177	1	10K	Ω	PCB177	1	10K	Ω
1078	1	R178	10K	Ω	PCB178	1	10K	Ω	PCB178	1	10K	Ω
1079	1	R179	10K	Ω	PCB179	1	10K	Ω	PCB179	1	10K	Ω
1080	1	R180	10K	Ω	PCB180	1	10K	Ω	PCB180	1	10K	Ω
1081	1	R181	10K	Ω	PCB181	1	10K	Ω	PCB181	1	10K	Ω
1082	1	R182	10K	Ω	PCB182	1	10K	Ω	PCB182	1	10K	Ω
1083	1	R183	10K	Ω	PCB183	1	10K	Ω	PCB183	1	10K	Ω
1084	1	R184	10K	Ω	PCB184	1	10K	Ω	PCB184	1	10K	Ω
1085	1	R185	10K	Ω	PCB185	1	10K	Ω	PCB185	1	10K	Ω
1086	1	R186	10K	Ω	PCB186	1	10K	Ω	PCB186	1	10K	Ω
1087	1	R187	10K	Ω	PCB187	1	10K	Ω	PCB187	1	10K	Ω
1088	1	R188	10K	Ω	PCB188	1	10K	Ω	PCB188	1	10K	Ω
1089	1	R189	10K	Ω	PCB189	1	10K	Ω	PCB189	1	10K	Ω
1090	1	R190	10K	Ω	PCB190	1	10K	Ω	PCB190	1	10K	Ω
1091	1	R191	10K	Ω	PCB191	1	10K	Ω	PCB191	1	10K	Ω
1092	1	R192	10K	Ω	PCB192	1	10K	Ω	PCB192	1	10K	Ω
1093	1	R193	10K	Ω	PCB193	1	10K	Ω	PCB193	1	10K	Ω
1094	1	R194	10K	Ω	PCB194	1	10K	Ω	PCB194	1	10K	Ω
1095	1	R195	10K	Ω	PCB195	1	10K	Ω	PCB195	1	10K	Ω
1096	1	R196	10K	Ω	PCB196	1	10K	Ω	PCB196	1	10K	Ω
1097	1	R197	10K	Ω	PCB197	1	10K	Ω	PCB197	1	10K	Ω
1098	1	R198	10K	Ω	PCB198	1	10K	Ω	PCB198	1	10K	Ω
1099	1	R199	10K	Ω	PCB199	1	10K	Ω	PCB199	1	10K	Ω
1100	1	R200	10K	Ω	PCB200	1	10K	Ω	PCB200	1	10K	Ω
1101	1	R201	10K	Ω	PCB201	1	10K	Ω	PCB201	1	10K	Ω
1102	1	R202	10K	Ω	PCB202	1	10K	Ω	PCB202	1	10K	Ω
1103	1	R203	10K	Ω	PCB203	1	10K	Ω	PCB203	1	10K	Ω
1104	1	R204	10K	Ω	PCB204	1	10K	Ω	PCB204	1	10K	Ω
1105	1	R205	10K	Ω	PCB205	1	10K	Ω	PCB205	1	10K	Ω
1106	1	R206	10K	Ω	PCB206	1	10K	Ω	PCB206	1	10K	Ω
1107	1	R207	10K	Ω	PCB207	1	10K	Ω	PCB207	1	10K	Ω
1108	1	R208	10K	Ω	PCB208	1	10K	Ω	PCB208	1	10K	Ω
1109	1	R209	10K	Ω	PCB209	1	10K	Ω	PCB209	1	10K	Ω
1110	1	R210	10K	Ω	PCB210	1	10K	Ω	PCB210	1	10K	Ω
1111	1	R211	10K	Ω	PCB211	1	10K	Ω	PCB211	1	10K	Ω
1112	1	R212	10K	Ω	PCB212	1	10K	Ω	PCB212	1	10K	Ω
1113	1	R213	10K	Ω	PCB213	1	10K	Ω	PCB213	1	10K	Ω
1114	1	R214	10K	Ω	PCB214	1	10K	Ω	PCB214	1	10K	Ω
1115	1	R215	10K	Ω	PCB215	1	10K	Ω	PCB215	1	10K	Ω
1116	1	R216	10K	Ω	PCB216	1	10K	Ω	PCB216	1	10K	Ω
1117	1	R217	10K	Ω	PCB217	1	10K	Ω	PCB217	1	10K	Ω
1118	1	R218	10K	Ω	PCB218	1						



C BOARD SCHEMATIC DIAGRAM



C BOARD WAVEFORMS



C BOARD IC VOLTAGE LIST

IC	V1	V2	V3	V4	V5	V6	V7	V8
U1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U10	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U11	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U12	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U13	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U14	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U15	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U16	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U17	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U18	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U19	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U20	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U21	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U22	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U23	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U24	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U25	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U26	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U27	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U28	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U29	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U30	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U31	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U32	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U33	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U34	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U35	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U36	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U37	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U38	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U39	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U40	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U41	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U42	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U43	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U44	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U45	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U46	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U47	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U48	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U49	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
U50	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

C BOARD MARK (V) LIST

MARK	TEST POINT	RESISTANCE	CAPACITANCE
CP1	CP1	10K	
CP2	CP2	10K	
CP3	CP3	10K	
CP4	CP4	10K	
CP5	CP5	10K	
CP6	CP6	10K	
CP7	CP7	10K	
CP8	CP8	10K	
CP9	CP9	10K	
CP10	CP10	10K	
CP11	CP11	10K	
CP12	CP12	10K	
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CP99	CP99	10K	
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C BOARD TRANSISTOR VOLTAGE LIST

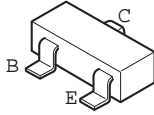
TRANSISTOR	V1	V2	V3	V4	V5	V6	V7	V8
Q1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q10	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q11	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q12	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q13	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q14	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q15	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q16	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q17	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q18	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q19	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q20	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q21	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q22	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q23	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q24	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q25	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q26	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q27	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q28	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q29	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q30	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q31	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q32	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q33	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q34	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q35	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q36	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q37	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q38	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q39	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q40	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q41	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q42	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q43	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q44	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q45	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q46	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q47	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q48	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q49	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q50	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q51	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q52	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q53	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q54	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q55	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q56	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q57	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q58	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Q59	5.0	5.0	5.0	5.0				





## 6-5. SEMICONDUCTORS

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2SA1330-06  
2SA1162-G  
2SD601A-Q



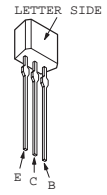
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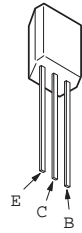
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2SA1175-HFE  
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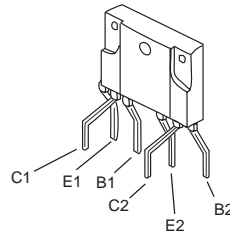
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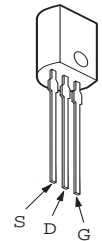
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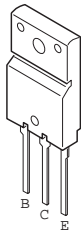
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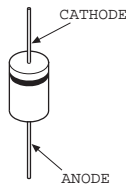
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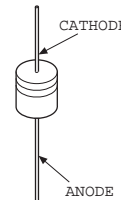
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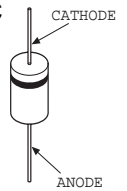
ERC06-15S  
ISSI33T-77



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D1N20R  
MTZJ-3.3  
MTZJ-33A  
RD10ESB2  
RD39ES-B2  
RD5.6ESB2  
RD6.2ESB2



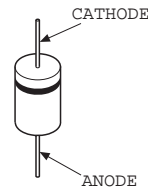
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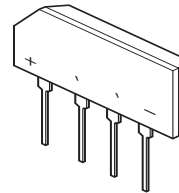
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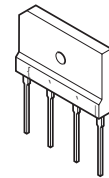
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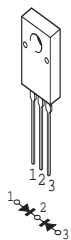
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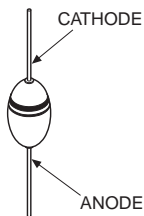
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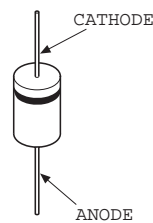
D10SC4M



U05G



D1NL20U



## 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:**

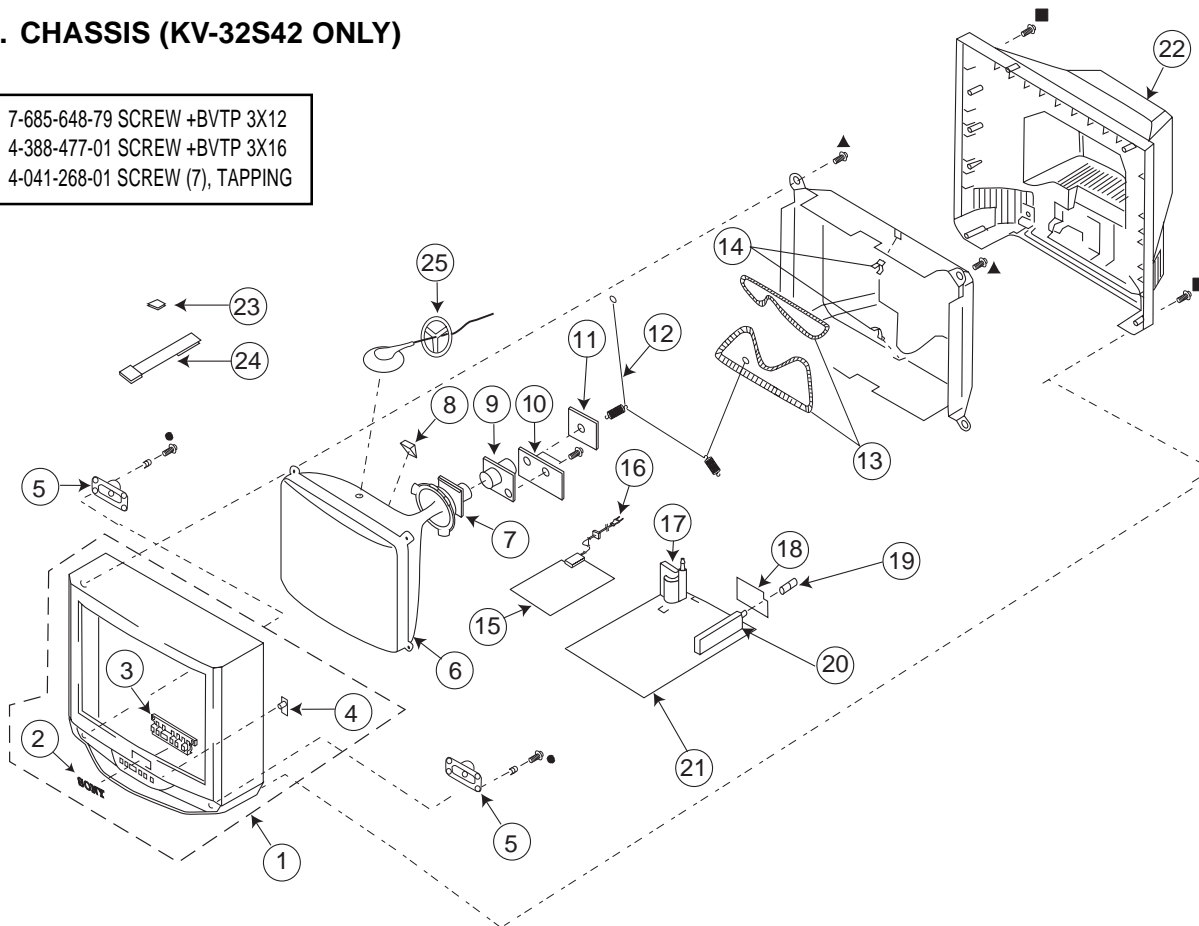
The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**7-1. CHASSIS (KV-32S42 ONLY)**

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-041-268-01 SCREW (7), TAPPING



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4035-771-1	BEZNET ASSY	2-4	16	$\triangle$ 1-790-315-21	CORD, AC POWER(WITH CONNECTOR)	
2	4-046-160-11	EMBLEM (NO.9), SONY		17	$\triangle$ 1-453-207-11	FBT ASSY NX-2609//X4C	
3	4-063-573-01	BUTTON, MULTI		18	* A-1135-950-A	B COMPLETE PC BOARD	
4	4-063-570-01	GUIDE, LED		19	1-766-374-11	PLUG, F-PIN	
5	1-504-531-11	SPEAKER (13.1X6.2CM)		20	$\triangle$ 8-598-431-00	TUNER, FSS BTF-WA411	
6	$\triangle$ 8-733-757-05	CRT 34FX2T (FOR N.A.AREA)		21	* A-1299-001-A	A COMPLETE PC BOARD	
7	$\triangle$ 8-451-482-11	DY Y34FXA2-V		22	4-063-852-01	COVER, REAR	
8	4-053-005-01	SPACER, DY		23	1-452-885-11	MAGNET, LANDING	
9	$\triangle$ 1-452-579-21	NECK ASSY, CRT (NA322)		24	4-062-047-01	PIECE A(110), CONV CORRECT	
10	* A-1372-508-A	WB MOUNTED PC BOARD		25	3-704-372-31	HOLDER, HV CABLE	
11	* A-1331-837-A	C (VAR) MOUNTED PC					
12	4-036-329-01	SPRING (B), TENSION					
13	$\triangle$ 1-402-952-11	COIL, DEMAGNETIZATION					
14	* 4-371-629-01	STOPPER, WIRE					
15	* A-1316-389-A	G COMPLETE PC BOARD					

**Note:**

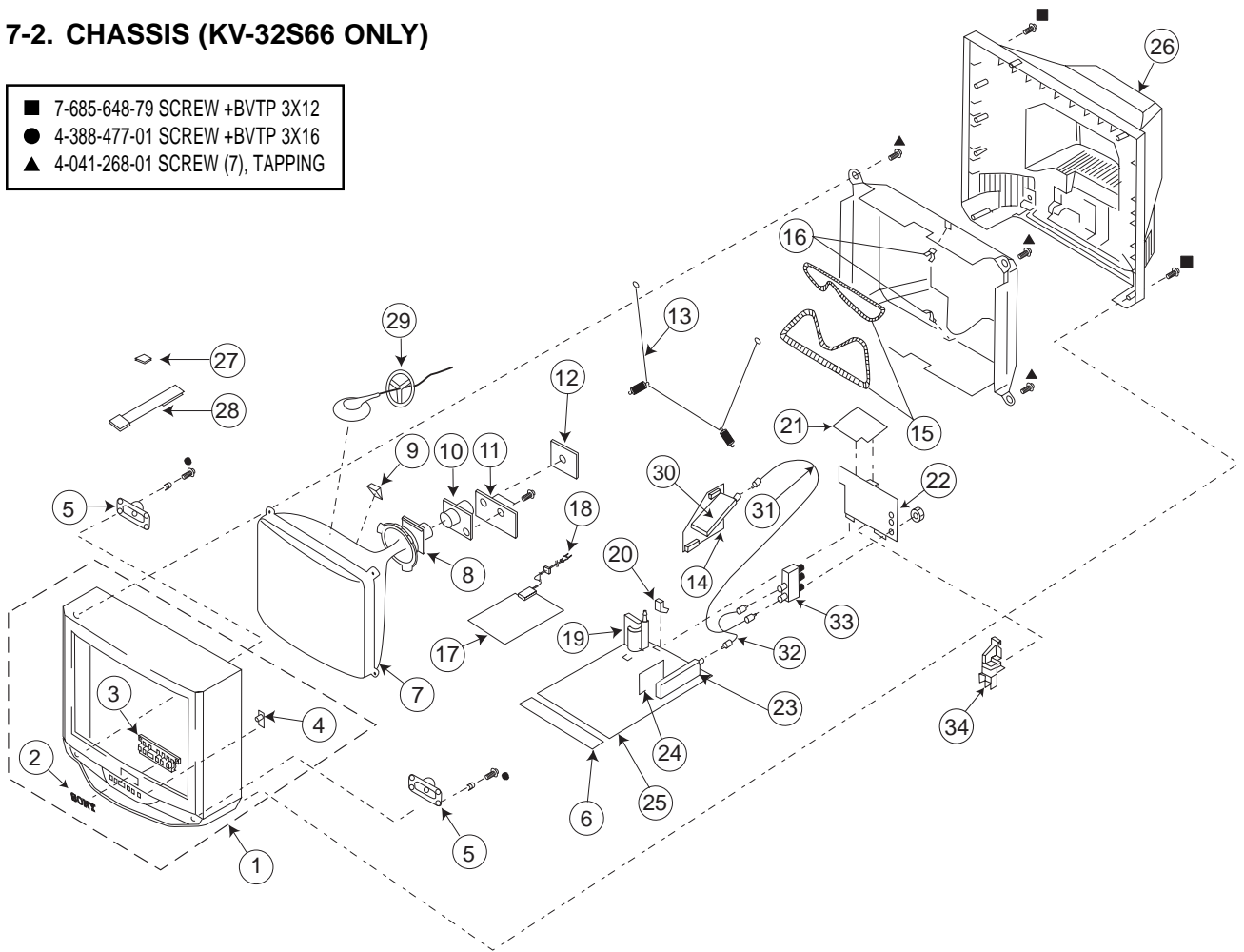
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

**Note:**

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

**7-2. CHASSIS (KV-32S66 ONLY)**

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-041-268-01 SCREW (7), TAPPING



REF.NO.	PART.NO.	DESCRIPTION	REMARK	REF.NO.	PART.NO.	DESCRIPTION	REMARK
1	X-4035-773-1	BEZNET ASSY	2-4	21	* A-1135-949-A	B COMPLETE PC BOARD	
2	4-046-160-11	EMBLEM (NO.9), SONY		22	* A-1394-910-A	UV COMPLETE PC BOARD	
3	4-063-573-01	BUTTON, MULTI		23	▲ 8-598-431-00	TUNER, FSS BTF-WA411	
4	4-063-570-01	GUIDE, LED		24	* A-1195-154-A	P COMPLETE PC BOARD	
5	1-504-531-11	SPEAKER (13.1X6.2CM)		25	* A-1298-997-A	A COMPLETE PC BOARD	
6	* A-1372-519-A	HS (VAR) MOUNTED PC		26	4-064-760-11	COVER, REAR	
7	▲ 8-733-757-05	CRT 34FX2T (FOR N.A.AREA)		27	1-452-885-11	MAGNET, LANDING	
8	▲ 8-451-482-11	DY Y34FXA2-V		28	4-062-047-01	PIECE A(110), CONV CORRECT	
9	4-053-005-01	SPACER, DY		29	3-704-372-31	HOLDER, HV CABLE	
10	▲ 1-452-579-21	NECK ASSY, CRT (NA322)		30	▲ 8-598-430-00	TUNER, FSS BTF-FA401	
11	* A-1372-508-A	WB MOUNTED PC BOARD		31	* 1-556-945-21	CABLE, P-P	
12	* A-1331-837-A	C (VAR) MOUNTED PC		32	* 1-557-056-31	CABLE, P-P	
13	4-036-329-01	SPRING (B), TENSION		33	8-598-414-10	CHANGER, ANTENNA AS-2F	
14	* A-1298-612-A	AV COMPLETE PC BOARD		34	* 4-052-905-01	V5/6 BRACKET	
15	▲ 1-402-952-11	COIL, DEMAGNETIZATION					
16	4-371-629-01	STOPPER, WIRE					
17	* A-1316-389-A	G COMPLETE PC BOARD					
18	▲ 1-790-315-21	CORD, AC POWER(WITH CONNECTOR)					
19	▲ 1-453-207-11	FBT ASSY NX-2609//X4C					
20	4-064-530-01	CLIP, CHASSIS					

**Note:**

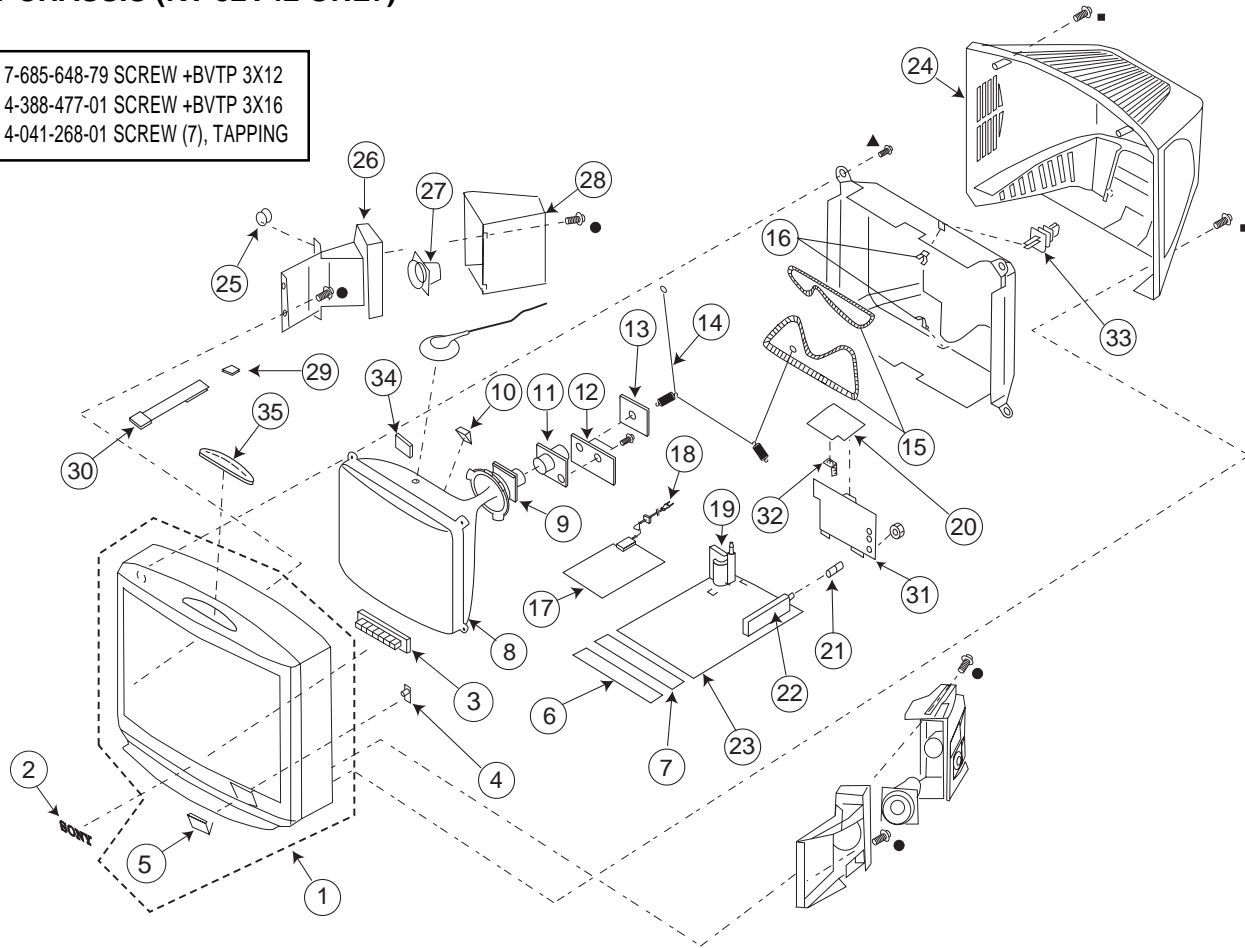
The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**7-3. CHASSIS (KV-32V42 ONLY)**

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-041-268-01 SCREW (7), TAPPING



REF.NO.	PART.NO.	DESCRIPTION	REMARK	REF.NO.	PART.NO.	DESCRIPTION	REMARK
1	X-4036-561-1	BEZNET ASSY	5	21	1-766-374-11	PLUG, F-PIN	
2	4-046-160-01	EMBLEM (NO.9), SONY		22	$\triangle$ 8-598-431-00	TUNER, FSS BTF-WA411	
3	4-052-907-11	BUTTON, MULTI		23	* A-1298-999-A	A COMPLETE PC BOARD	
4	* 4-052-897-01	GUIDE, LED		24	4-053-766-31	COVER, REAR	
5	4-052-906-11	DOOR, CONTROL		25	4-374-745-31	CUSHION (A)	
6	* A-1372-510-A	HS (VAR) MOUNTED PC		26	X-4035-400-1	BAFFLE ASSY, SPEAKER	25
7	* A-1372-684-A	HV (VAR) MOUNTED PC		27	1-504-524-31	SPEAKER (8CM)	
8	$\triangle$ 8-733-757-05	CRT 34FX2T (FOR N.A.AREA)		28	X-4035-401-1	COVER ASSY, SPEAKER	
9	$\triangle$ 8-451-482-11	DY Y34FXA2-V		29	1-452-885-11	MAGNET, LANDING	
10	4-053-005-01	SPACER, DY		30	4-062-047-01	PIECE A(110), CONV CORRECT	
11	$\triangle$ 1-452-579-21	NECK ASSY, CRT (NA322)		31	* A-1394-905-A	UV COMPLETE PC BOARD	
12	* A-1372-508-A	WB MOUNTED PC BOARD		32	* 3-696-606-02	HINGE, VI	
13	* A-1331-837-A	C (VAR) MOUNTED PC		33	4-033-681-01	HOLDER, LEAD	
14	4-036-329-01	SPRING (B), TENSION		34	* 4-064-378-01	CUSHION (20 MM), CRT	
15	$\triangle$ 1-402-952-11	COIL, DEMAGNETIZATION		35	1-473-549-21	SWITCH, BLOCK CONTROL	
16	* 4-371-629-01	STOPPER, WIRE					
17	* A-1316-389-A	G COMPLETE PC BOARD					
18	$\triangle$ 1-790-315-11	CORD, AC POWER(WITH CONNECTOR)					
19	$\triangle$ 1-453-207-11	FBT ASSY NX-2609//X4C					
20	* A-1135-948-A	B COMPLETE PC BOARD					

**Note:**

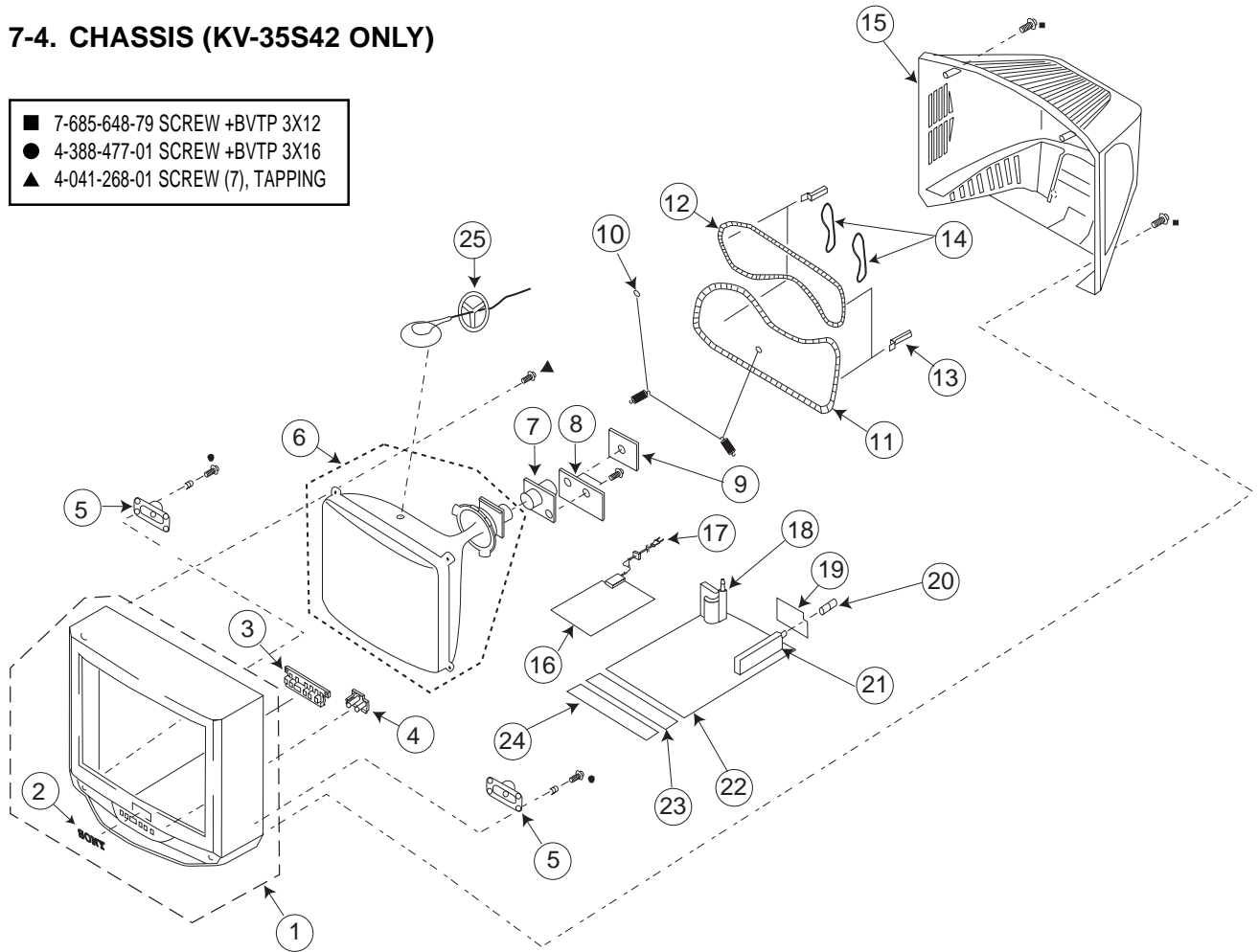
The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**7-4. CHASSIS (KV-35S42 ONLY)**

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-041-268-01 SCREW (7), TAPPING



REF.NO.	PART.NO.	DESCRIPTION	REMARK
1	X-4035-596-1	BEZNET ASSY	2
2	4-046-160-01	EMBLEM (NO.9), SONY	
3	4-058-053-11	BUTTON, MULTI	
4	4-058-054-01	BAR, OPTICAL	
5	1-504-531-11	SPEAKER (13.1X6.2CM)	
6	$\triangle$ 8-733-761-61	ITC 37GXT-A1/A1597168A	
7	$\triangle$ 8-453-007-51	NA324-M5	
8	* A-1372-462-A	WA MOUNTED PWB	
9	* A-1331-843-A	C (VAR) MOUNTED PC	
10	4-036-329-01	SPRING (B), TENSION	
11	$\triangle$ 1-411-881-21	COIL, DEGAUSSING	
12	$\triangle$ 1-411-882-21	COIL, DEGAUSSING	
13	* 4-052-900-02	HOLDER, DGC	
14	4-059-585-01	TIE, CABLE	
15	4-058-052-22	COVER, REAR	

REF.NO.	PART.NO.	DESCRIPTION	REMARK
16	* A-1316-399-A	G COMPLETE PC BOARD	
17	$\triangle$ 1-790-315-11	CORD, AC POWER(WITH CONNECTOR)	
17	$\triangle$ 1-751-059-11	CORD, POWER (WITH CONNECTOR) (35S42CND ONLY)	
18	$\triangle$ X-4560-159-1	FBT ASSY NX-3005//JIC4	
19	* A-1135-950-A	B COMPLETE PC BOARD	
20	1-766-374-11	PLUG, F-PIN	
21	$\triangle$ 8-598-431-00	TUNER FSS BTF-WA411	
22	* A-1298-899-A	A COMPLETE PC BOARD	
23	* A-1372-523-A	HV (VAR) MOUNTED PC	
24	* A-1372-507-A	HS (COM) MOUNTED PC	
25	3-704-372-31	HOLDER, HV CABLE	

**Note:**

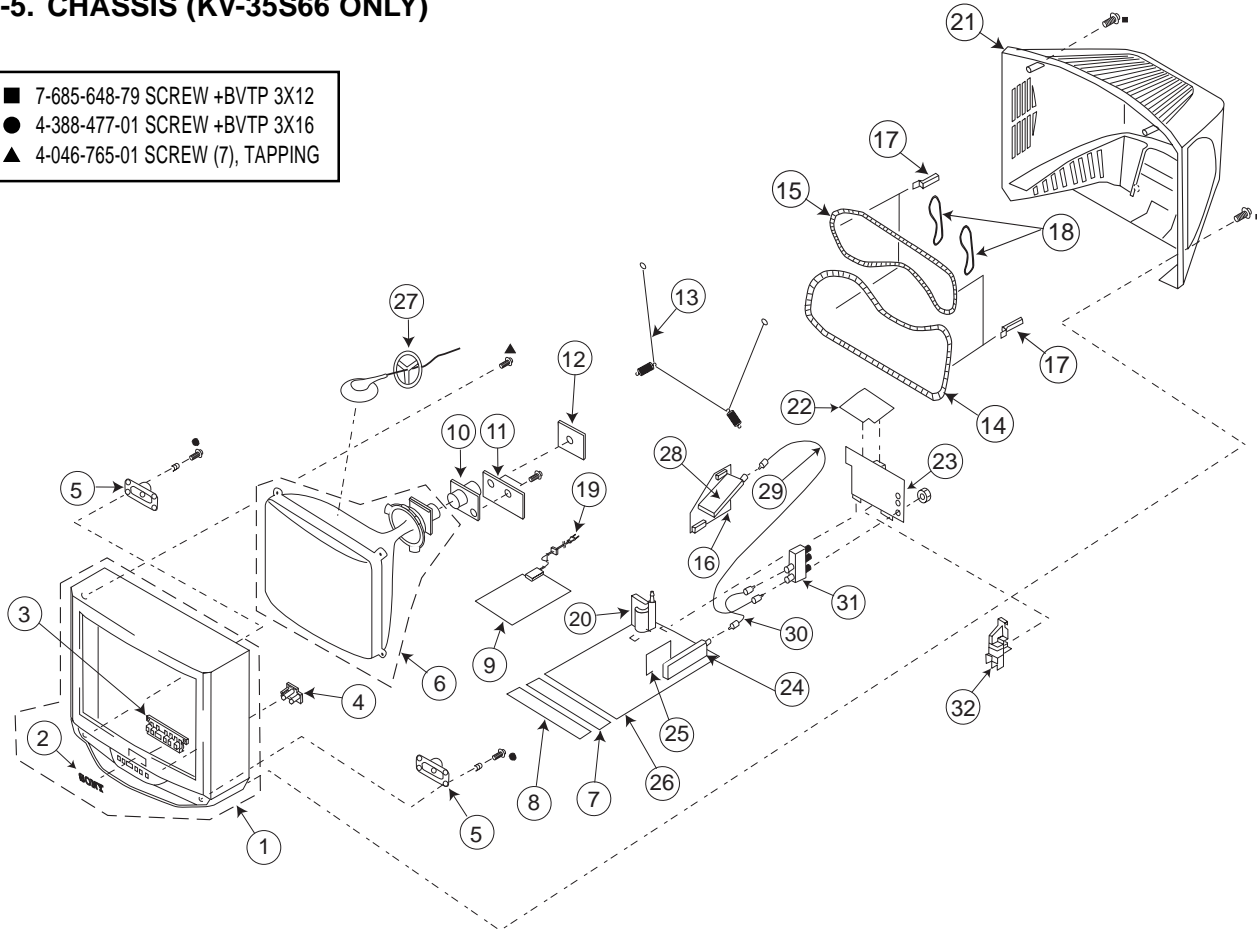
The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**7-5. CHASSIS (KV-35S66 ONLY)**

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-046-765-01 SCREW (7), TAPPING



REF.NO.	PART.NO.	DESCRIPTION	REMARK	REF.NO.	PART.NO.	DESCRIPTION	REMARK
1	X-4035-598-1	BEZNET ASSY	2	19	$\triangle$ 1-790-315-11	CORD, AC POWER (WITH CONNECTOR)	
2	4-046-160-01	EMBLEM (NO.9), SONY		20	$\triangle$ X-4560-159-1	FBT ASSY NX-3005/JIC4	
3	4-058-053-11	BUTTON, MULTI		21	4-058-052-32	COVER, REAR	
4	4-058-054-01	BAR, OPTICAL		22	*	A-1135-949-A	B COMPLETE PC BOARD
5	1-504-531-11	SPEAKER (13.1X6.2CM)		23	*	A-1394-910-A	UV COMPLETE PC BOARD
6	$\triangle$ 8-733-761-61	ITC 37GXT-A1/A1597168A		24	$\triangle$ 8-598-431-00	TUNER, FSS BTF-WA411	
7	*	A-1372-507-A	HS COMPLETE PC BOARD	25	*	A-1195-154-A	P COMPLETE PC BOARD
8	*	A-1372-523-A	HV (VAR) MOUNTED PC	26	*	A-1298-897-A	A COMPLETE PC BOARD
9	*	A-1316-399-A	G COMPLETE PC BOARD	27		3-704-372-31	HOLDER, HV CABLE
10	$\triangle$ 8-453-007-51	NA324-M5		28	$\triangle$ 8-598-430-00	TUNER, FSS BTF-FA401	
11	*	A-1372-462-A	WA MOUNTED PWB	29	*	1-556-945-21	CABLE, P-P
12	*	A-1331-843-A	C (VAR) MOUNTED PC	30	*	1-557-056-31	CABLE, P-P
13		4-036-329-01	SPRING (B), TENSION	31		8-598-414-10	CHANGER, ANTENNA AS-2F
14	$\triangle$ 1-411-881-21	COIL, DEGAUSSING		32	*	4-052-905-01	V5/6 BRACKET
15	$\triangle$ 1-411-882-21	COIL, DEGAUSSING					
16	*	A-1298-612-A	AV COMPLETE PC BOARD				
17	*	4-052-900-02	HOLDER, DGC				
18		4-059-585-01	TIE, CABLE				
19	$\triangle$ 1-751-059-11	CORD, POWER (WITH CONNECTOR) (KV-35S66CND ONLY)					

**Note:**

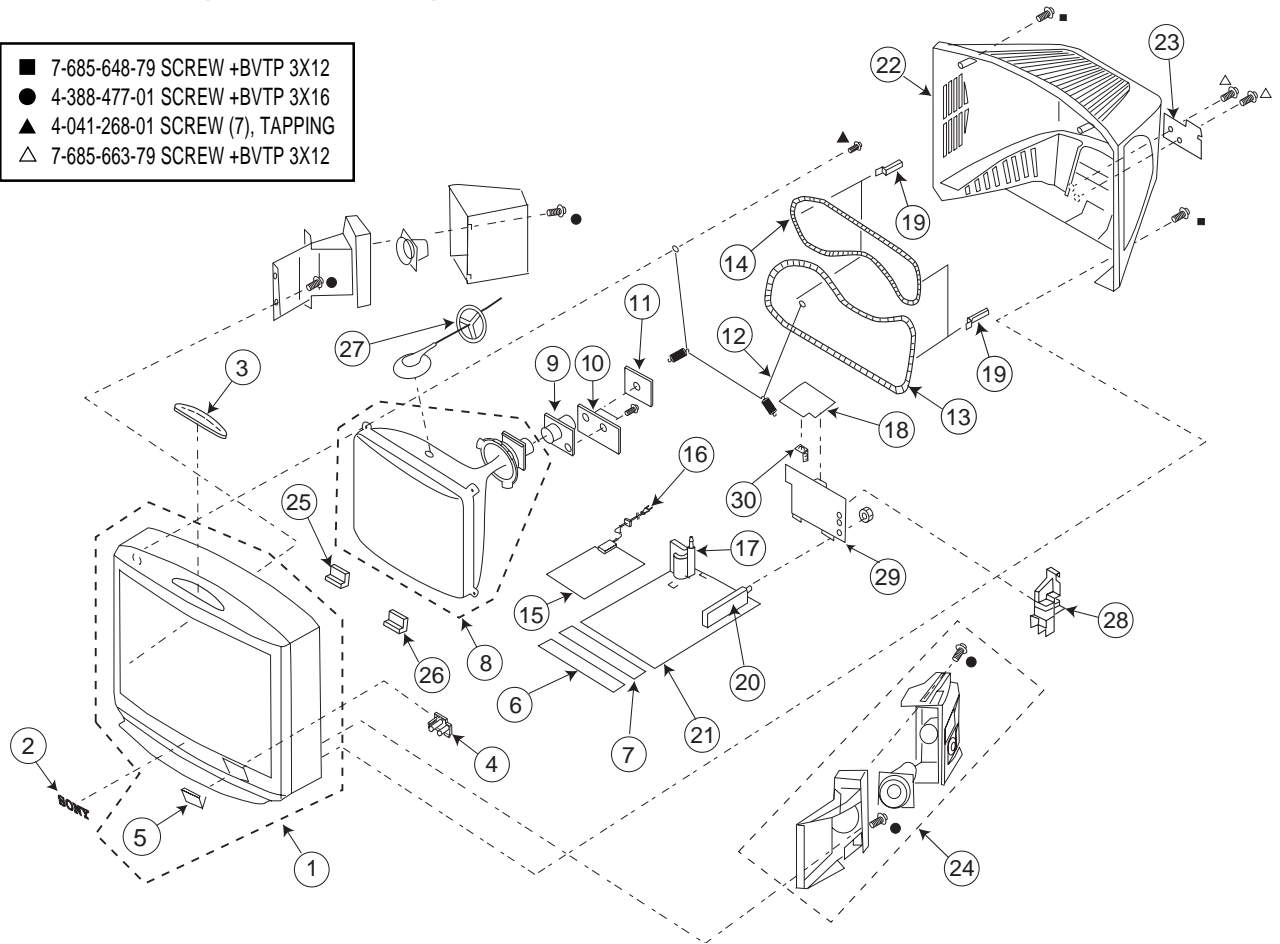
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

**Note:**

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

**7-6. CHASSIS (KV-35V42 ONLY)**

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-041-268-01 SCREW (7), TAPPING
- △ 7-685-663-79 SCREW +BVTP 3X12



REF.NO.	PART.NO.	DESCRIPTION	REMARK
1	X-4036-563-1	BEZNET ASSY	5
2	4-046-160-01	EMBLEM (NO.9), SONY	
3	1-473-549-21	SWITCH BLOCK, CONTROL	
4	* 4-052-897-01	GUIDE, LED	
5	4-052-906-11	DOOR, CONTROL	
6	* A-1372-510-A	HS (VAR) MOUNTED PC BOARD	
7	* A-1372-684-A	HV (VAR) MOUNTED PC BOARD	
8	▲ 8-733-761-61	ITC 37GXT-A1/A1597168A	
9	▲ 8-453-007-51	NA324-M5	
10	* A-1372-462-A	WA MOUNTED PWB	
11	* A-1331-843-A	C (VAR) MOUNTED PC BOARD	
12	4-036-329-01	SPRING (B), TENSION	
13	▲ 1-411-881-21	COIL, DEGAUSSING	
14	▲ 1-411-882-21	COIL, DEGAUSSING	
15	A-1316-399-A	G COMPLETE PC BOARD	
16	▲ 1-790-315-11	CORD, AC POWER(WITH CONNECTOR)	
17	▲ X-4560-159-1	FBT ASSY NX-3005//JIC4	
18	* A-1135-948-A	B COMPLETE PC BOARD	
19	* 4-052-900-02	HOLDER, DGC	
20	▲ 8-598-431-00	TUNER, FSS BTF-WA411	

REF.NO.	PART.NO.	DESCRIPTION	REMARK
21	* A-1298-898-A	A COMPLETE PC BOARD	
22	4-052-903-12	COVER, REAR	
23	4-070-877-11	LABEL, TUNER TERMINAL	
24	1-505-684-11	SPEAKER UNIT, BOX TYPE (2WAY)	
25	4-052-902-01	CRT SUPPORT (L)	
26	4-052-901-01	CRT SUPPORT (R)	
27	3-704-372-31	HOLDER, HV CABLE	
28	* 4-052-905-01	V5/6 BRACKET	
29	A-1394-905-A	UV COMPLETE PC BOARD	
30	* 3-696-606-02	HINGE, VI	

## SECTION 8 ELECTRICAL PARTS LIST

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## Common Parts Listing

A

**Note:**

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

**Note:**

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- The components identified by  $\boxtimes$  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.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<div style="border: 1px solid black; padding: 5px; display: inline-block; font-size: 2em; font-weight: bold; margin-right: 10px;">A</div>				C071	1-164-096-11	CERAMIC 0.01 $\mu$ F	50V
				C072	1-164-161-11	CERAMIC 0.0022 $\mu$ F	10% 50V
				C075	1-107-823-11	CERAMIC 0.47 $\mu$ F	10% 16V
				C076		VARIANT (SEE VARIANT PARTS LIST)	
				C077		VARIANT (SEE VARIANT PARTS LIST)	
				C090		VARIANT (SEE VARIANT PARTS LIST)	
				C353	1-163-231-11	CERAMIC 15pF	5% 50V
C354	1-163-133-00	CERAMIC 470pF	5% 50V				
C355	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V				
C356	1-126-963-11	ELECT 4.7 $\mu$ F	20% 50V				
C357	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V				
C358	1-163-021-91	CERAMIC 0.01 $\mu$ F	10% 50V				
C359	1-126-933-11	ELECT 100 $\mu$ F	20% 16V				
C360		VARIANT (SEE VARIANT PARTS LIST)					
C361		VARIANT (SEE VARIANT PARTS LIST)					
C362		VARIANT (SEE VARIANT PARTS LIST)					
C363	1-163-021-91	CERAMIC 0.01 $\mu$ F	10% 50V				
C364	1-163-021-91	CERAMIC 0.01 $\mu$ F	10% 50V				
C365	1-163-021-91	CERAMIC 0.01 $\mu$ F	10% 50V				
C366	1-130-495-00	FILM 0.1 $\mu$ F	5% 50V				
C367	1-130-495-00	FILM 0.1 $\mu$ F	5% 50V				
C368	1-130-495-00	FILM 0.1 $\mu$ F	5% 50V				
C369	1-163-243-11	CERAMIC 47pF	5% 50V				
C370		VARIANT (SEE VARIANT PARTS LIST)					
C371	1-163-141-00	CERAMIC 0.001 $\mu$ F	5% 50V				
C372	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V				
C373	1-126-960-11	ELECT 1 $\mu$ F	20% 50V				
C375		VARIANT (SEE VARIANT PARTS LIST)					
C376	1-126-964-11	ELECT 10 $\mu$ F	20% 50V				
C377	1-130-495-00	FILM 0.1 $\mu$ F	5% 50V				
C378	1-130-495-00	FILM 0.1 $\mu$ F	5% 50V				
C379	1-163-021-91	CERAMIC 0.01 $\mu$ F	10% 50V				
C380	1-126-935-11	ELECT 470 $\mu$ F	20% 16V				
C381	1-163-003-11	CERAMIC 330pF	10% 50V				
C383	1-130-495-00	FILM 0.1 $\mu$ F	5% 50V				
C385	1-164-182-11	CERAMIC 0.0033 $\mu$ F	10% 50V				
C386	1-163-021-91	CERAMIC 0.01 $\mu$ F	10% 50V				
C387	1-126-961-11	ELECT 2.2 $\mu$ F	20% 50V				
C388	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V				
* A-1299-001-A		A COMPLETE PC BOARD (KV-32S42)					
* A-1298-997-A		A COMPLETE PC BOARD (KV-32S66)					
* A-1298-999-A		A COMPLETE PC BOARD (KV-32V42)					
* A-1298-899-A		A COMPLETE PC BOARD (KV-35S42)					
* A-1298-897-A		A COMPLETE PC BOARD (KV-35S66)					
* A-1298-898-A		A COMPLETE PC BOARD (KV-35V42)					
4-382-854-11		SCREW (M3X10), P, SW (+)					
4-382-854-11		SCREW (M3X10), P, SW (+)					
<b>CAPACITOR</b>							
C001	1-163-259-91	CERAMIC 220pF	5% 50V				
C003	1-104-760-11	CERAMIC 0.047 $\mu$ F	10% 50V				
C005	1-126-960-11	ELECT 1 $\mu$ F	20% 50V				
C009	1-126-967-11	ELECT 47 $\mu$ F	20% 50V				
C010	1-163-033-91	CERAMIC 0.022 $\mu$ F	50V				
C012	1-216-033-00	RES,CHIP 220	5% 1/10W				
C013	1-216-121-91	RES,CHIP 1M	5% 1/10W				
C014	1-164-161-11	CERAMIC 0.0022 $\mu$ F	10% 50V				
C023	1-163-259-91	CERAMIC 220pF	5% 50V				
C028	1-163-227-11	CERAMIC 10pF	0.50% 50V				
C029	1-163-227-11	CERAMIC 10pF	0.50% 50V				
C030	1-163-009-11	CERAMIC 0.001 $\mu$ F	10% 50V				
C035	1-163-237-11	CERAMIC 27pF	5% 50V				
C036	1-163-231-11	CERAMIC 15pF	5% 50V				
C037	1-163-243-11	CERAMIC 47pF	5% 50V				
C038	1-163-243-11	CERAMIC 47pF	5% 50V				
C039	1-163-243-11	CERAMIC 47pF	5% 50V				
C040	1-163-243-11	CERAMIC 47pF	5% 50V				
C051	1-164-004-11	CERAMIC 0.1 $\mu$ F	10% 25V				
C053	1-163-021-91	CERAMIC 0.01 $\mu$ F	10% 50V				
C056	1-163-243-11	CERAMIC 47pF	5% 50V				
C061	1-163-033-91	CERAMIC 0.022 $\mu$ F	50V				
C062	1-163-033-91	CERAMIC 0.022 $\mu$ F	50V				
C063	1-126-935-11	ELECT 470 $\mu$ F	20% 16V				
C068		VARIANT (SEE VARIANT PARTS LIST)					
C069		VARIANT (SEE VARIANT PARTS LIST)					
C070	1-126-967-11	ELECT 47 $\mu$ F	20% 50V				

**A****Common Parts Listing****Note:**

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

**Note:**

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C390	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	C539		VARIANT (SEE VARIANT PARTS LIST)	
C391	1-163-017-00	CERAMIC	0.0047 $\mu$ F 10% 50V	C540	1-123-024-21	ELECT	33 $\mu$ F 160V
C392	1-163-251-11	CERAMIC	100pF 5% 50V	C541	1-128-560-11	ELECT	22 $\mu$ F 20% 100V
C461		VARIANT (SEE VARIANT PARTS LIST)		C542		VARIANT (SEE VARIANT PARTS LIST)	
C462	1-126-961-11	ELECT	2.2 $\mu$ F 20% 50V	C545	1-106-387-00	MYLAR	0.068 $\mu$ F 10% 200V
C463	1-126-961-11	ELECT	2.2 $\mu$ F 20% 50V	C546	1-106-343-00	MYLAR	0.001 $\mu$ F 10% 100V
C464	1-163-017-00	CERAMIC	0.0047 $\mu$ F 10% 50V	C547	1-106-343-00	MYLAR	0.001 $\mu$ F 10% 100V
C466	1-104-666-11	ELECT	220 $\mu$ F 20% 25V	C551	1-163-037-11	CERAMIC	0.022 $\mu$ F 10% 50V
C467	1-163-017-00	CERAMIC	0.0047 $\mu$ F 10% 50V	C561	1-126-967-11	ELECT	47 $\mu$ F 20% 50V
C468	1-104-664-11	ELECT	47 $\mu$ F 20% 25V	C563	1-126-934-11	ELECT	220 $\mu$ F 20% 10V
C470	1-126-961-11	ELECT	2.2 $\mu$ F 20% 50V	C564	1-126-960-11	ELECT	1 $\mu$ F 20% 50V
C471	1-104-666-11	ELECT	220 $\mu$ F 20% 25V	C565	1-126-969-11	ELECT	220 $\mu$ F 20% 50V
C472	1-137-194-81	FILM	0.47 $\mu$ F 5% 50V	C566	1-104-664-11	ELECT	47 $\mu$ F 20% 25V
C473	1-136-169-00	FILM	0.22 $\mu$ F 5% 50V	C568	1-136-169-00	FILM	0.22 $\mu$ F 5% 50V
C474	1-126-942-61	ELECT	1000 $\mu$ F 20% 25V	C571	1-104-664-11	ELECT	47 $\mu$ F 20% 25V
C475	1-136-169-00	FILM	0.22 $\mu$ F 5% 50V	C1002	1-126-964-11	ELECT	10 $\mu$ F 20% 50V
C476	1-126-942-61	ELECT	1000 $\mu$ F 20% 25V	C1101	1-126-768-11	ELECT	2200 $\mu$ F 20% 16V
C477	1-126-942-61	ELECT	1000 $\mu$ F 20% 25V	C1103	1-126-965-11	ELECT	22 $\mu$ F 20% 50V
C501	1-163-259-91	CERAMIC	220pF 5% 50V	C1104	1-104-664-11	ELECT	47 $\mu$ F 20% 16V
C502	1-126-959-11	ELECT	0.47 $\mu$ F 20% 50V	C1105	1-104-664-11	ELECT	47 $\mu$ F 20% 16V
C503	1-163-003-11	CERAMIC	330pF 10% 50V	C1106	1-126-964-11	ELECT	10 $\mu$ F 20% 50V
C504	1-102-212-00	CERAMIC	820pF 10% 500V	C1107	1-163-003-11	CERAMIC	330pF 10% 50V
C505	1-102-002-00	CERAMIC	680pF 10% 500V	C1108	1-126-960-11	ELECT	1 $\mu$ F 20% 50V
C506	1-106-383-00	MYLAR	0.047 $\mu$ F 10% 200V	C1109	1-126-964-11	ELECT	10 $\mu$ F 20% 50V
C507	$\triangle$ 1-162-116-00	CERAMIC	680pF 10% 2KV	C1110	1-163-227-11	CERAMIC	10pF 0.50% 50V
C508	1-102-244-00	CERAMIC	220pF 10% 500V	C1111	1-163-227-11	CERAMIC	10pF 0.50% 50V
C509	1-162-116-00	CERAMIC	680pF 10% 2KV	C1112	1-163-227-11	CERAMIC	10pF 0.50% 50V
C510	1-137-150-11	MYLAR	0.01 $\mu$ F 10% 100V	C1236		VARIANT (SEE VARIANT PARTS LIST)	
C511	$\triangle$ 1-115-460-11	FILM	0.022 $\mu$ F 3% 1.2KV	C1237		VARIANT (SEE VARIANT PARTS LIST)	
C513		VARIANT (SEE VARIANT PARTS LIST)		C1238		VARIANT (SEE VARIANT PARTS LIST)	
C514		VARIANT (SEE VARIANT PARTS LIST)		C1239		VARIANT (SEE VARIANT PARTS LIST)	
C515	1-106-343-00	MYLAR	0.001 $\mu$ F 10% 100V	C1240		VARIANT (SEE VARIANT PARTS LIST)	
C516	1-115-461-11	FILM	2 $\mu$ F 5% 200V	C1241		VARIANT (SEE VARIANT PARTS LIST)	
C517	1-107-649-11	ELECT	2.2 $\mu$ F 20% 250V	C1242		VARIANT (SEE VARIANT PARTS LIST)	
C518	1-106-395-00	MYLAR	0.15 $\mu$ F 10% 200V	C1243		VARIANT (SEE VARIANT PARTS LIST)	
C519	1-162-815-11	CERAMIC	47pF 5% 500V	C1244		VARIANT (SEE VARIANT PARTS LIST)	
C520		VARIANT (SEE VARIANT PARTS LIST)		C1245		VARIANT (SEE VARIANT PARTS LIST)	
C521		VARIANT (SEE VARIANT PARTS LIST)		C1261		VARIANT (SEE VARIANT PARTS LIST)	
C522	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	C1262		VARIANT (SEE VARIANT PARTS LIST)	
C525	1-102-244-00	CERAMIC	220pF 10% 500V	C1263		VARIANT (SEE VARIANT PARTS LIST)	
C526	1-107-662-11	ELECT	22 $\mu$ F 20% 250V	C1264		VARIANT (SEE VARIANT PARTS LIST)	
C527	1-162-116-00	CERAMIC	680pF 10% 2KV	C1267		VARIANT (SEE VARIANT PARTS LIST)	
C528	1-164-161-11	CERAMIC	0.0022 $\mu$ F 10% 50V	C1268		VARIANT (SEE VARIANT PARTS LIST)	
C529	1-128-551-11	ELECT	22 $\mu$ F 20% 25V	C1269		VARIANT (SEE VARIANT PARTS LIST)	
C530	1-137-366-11	FILM	0.0022 $\mu$ F 5% 50V	C1293		VARIANT (SEE VARIANT PARTS LIST)	
C531	1-126-965-11	ELECT	22 $\mu$ F 20% 50V	C1351	1-163-251-11	CERAMIC	100pF 5% 50V
C532	1-126-965-11	ELECT	22 $\mu$ F 20% 50V	C1352	1-126-933-11	ELECT	100 $\mu$ F 20% 16V
C534	1-126-967-11	ELECT	47 $\mu$ F 20% 50V	C1353	1-163-037-11	CERAMIC	0.022 $\mu$ F 10% 50V
C537		VARIANT (SEE VARIANT PARTS LIST)		C1354	1-216-295-91	SHORT	

**Note:**

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

**Note:**

Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Common Parts Listing****A**

REFNO.	PARTNO.	DESCRIPTION	REMARK	REFNO.	PARTNO.	DESCRIPTION	REMARK
C1401		VARIANT (SEE VARIANT PARTS LIST)		D502	$\triangle$ 8-719-945-80	DIODE	ERC06-15S
C1402		VARIANT (SEE VARIANT PARTS LIST)		D503	$\triangle$ 8-719-945-80	DIODE	ERC06-15S
C1403		VARIANT (SEE VARIANT PARTS LIST)		D504	8-719-900-26	DIODE	ERD29-08J
C1404		VARIANT (SEE VARIANT PARTS LIST)		D505	8-719-908-03	DIODE	GP08D
C1405		VARIANT (SEE VARIANT PARTS LIST)		D506	8-719-908-03	DIODE	GP08D
C1406		VARIANT (SEE VARIANT PARTS LIST)		D507	8-719-991-33	DIODE	1SS133T-77
C1407		VARIANT (SEE VARIANT PARTS LIST)		D515	8-719-302-43	DIODE	EL1Z
C1408		VARIANT (SEE VARIANT PARTS LIST)		D516	8-719-991-33	DIODE	1SS133T-77
C1409		VARIANT (SEE VARIANT PARTS LIST)		D518	8-719-991-33	DIODE	1SS133T-77
C1410		VARIANT (SEE VARIANT PARTS LIST)		D519	$\triangle$ 8-719-302-43	DIODE	EL1Z
C1411		VARIANT (SEE VARIANT PARTS LIST)		D520	8-719-991-33	DIODE	1SS133T-77
C1413		VARIANT (SEE VARIANT PARTS LIST)		D521	8-719-921-63	DIODE	MTZJ-7.5B
C1415		VARIANT (SEE VARIANT PARTS LIST)		D530	$\triangle$ 8-719-979-85	DIODE	EGP20G
C1416		VARIANT (SEE VARIANT PARTS LIST)		D531	8-719-979-85	DIODE	EGP20G
C1417		VARIANT (SEE VARIANT PARTS LIST)		D534	8-719-302-43	DIODE	EL1Z
C1420		VARIANT (SEE VARIANT PARTS LIST)		D536	8-719-908-03	DIODE	GP08D
C1501		VARIANT (SEE VARIANT PARTS LIST)		D561	8-719-908-03	DIODE	GP08D
	<b>CONNECTOR</b>			D562	8-719-991-33	DIODE	1SS133T-77
CN106	1-508-784-00	PIN,CONNECTOR(5MM PITCH) 1P		D1102	8-719-982-24	DIODE	MTZJ-33A
CN270	1-573-298-11	CONNECTOR,BOARD TO BOARD 20P		D1103	$\triangle$ 8-719-109-89	DIODE	RD5.6ESB2
CN271		VARIANT (SEE VARIANT PARTS LIST)		D1247		VARIANT (SEE VARIANT PARTS LIST)	
CN351	1-564-509-11	PLUG, CONNECTOR 6P		D1248		VARIANT (SEE VARIANT PARTS LIST)	
CN461	1-564-507-11	PLUG,CONNECTOR 4P		D1261		VARIANT (SEE VARIANT PARTS LIST)	
CN501	1-580-798-11	CONNECTOR PIN (DY) 6P		D1262		VARIANT (SEE VARIANT PARTS LIST)	
CN503	1-564-508-11	PLUG,CONNECTOR 5P		D1263	8-719-110-17	DIODE	RD10ESB2
CN1001 *	1-564-512-11	PLUG,CONNECTOR 9P		D1264	8-719-110-17	DIODE	RD10ESB2
CN1101		VARIANT (SEE VARIANT PARTS LIST)			<b>FERRITE BEAD</b>		
CN1231		VARIANT (SEE VARIANT PARTS LIST)		FB501	1-410-396-41	FERRITE	0.45 $\mu$ H
CN1641 *	1-564-515-11	PLUG,CONNECTOR 12P		FB502	1-410-397-21	FERRITE	1.1 $\mu$ H
CN1941		VARIANT (SEE VARIANT PARTS LIST)		FB503	1-410-397-21	FERRITE	1.1 $\mu$ H
CN3003		VARIANT (SEE VARIANT PARTS LIST)			<b>IC</b>		
	<b>DIODE</b>			IC001	8-752-906-40	IC CXP85848A-028S	
D001	8-719-991-33	DIODE	1SS133T-77	IC002	8-759-518-23	IC ST24C04FM6TR	
D002	8-719-109-89	DIODE	RD5.6ESB2	IC003		VARIANT (SEE VARIANT PARTS LIST)	
D003	8-719-991-33	DIODE	1SS133T-77	IC351	$\triangle$ 8-752-082-73	IC CXA2095S	
D004	8-719-110-17	DIODE	RD10ESB2	IC461	$\triangle$ 8-759-980-43	IC TDA2009A	
D005		VARIANT (SEE VARIANT PARTS LIST)		IC501	8-759-700-07	IC NJM2903M-TE2	
D006		VARIANT (SEE VARIANT PARTS LIST)		IC561	$\triangle$ 8-759-980-58	IC TDA8172	
D011	8-719-983-20	DIODE	MTZJ-T-77-4.3C	IC1261		VARIANT (SEE VARIANT PARTS LIST)	
D013	8-719-991-33	DIODE	1SS133T-77	IC1401		VARIANT (SEE VARIANT PARTS LIST)	
D014	8-719-991-33	DIODE	1SS133T-77	IC1402		VARIANT (SEE VARIANT PARTS LIST)	
D015	8-719-991-33	DIODE	1SS133T-77		<b>JACK</b>		
D353	8-719-991-33	DIODE	1SS133T-77	J1232		VARIANT (SEE VARIANT PARTS LIST)	
D356	8-719-991-33	DIODE	1SS133T-77	J1233		VARIANT (SEE VARIANT PARTS LIST)	
D360	8-719-110-17	DIODE	RD10ESB2	J1234		VARIANT (SEE VARIANT PARTS LIST)	
D362	8-719-991-33	DIODE	1SS133T-77		<b>CHIP CONDUCTOR</b>		
D368		VARIANT (SEE VARIANT PARTS LIST)		JR001		VARIANT (SEE VARIANT PARTS LIST)	
D462	8-719-991-33	DIODE	1SS133T-77	JR200		VARIANT (SEE VARIANT PARTS LIST)	
D501	8-719-109-89	DIODE	RD5.6ESB2	JR351		VARIANT (SEE VARIANT PARTS LIST)	

**A****Common Parts Listing****Note:**

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

**Note:**

Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
JR352		VARIANT (SEE VARIANT PARTS LIST)		Q356	8-729-216-22	TRANSISTOR 2SA1162-G	
JR501	1-216-295-91	SHORT		Q357	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR1264		VARIANT (SEE VARIANT PARTS LIST)		Q358	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR1417		VARIANT (SEE VARIANT PARTS LIST)		Q461	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR1450		VARIANT (SEE VARIANT PARTS LIST)		Q462	8-729-216-22	TRANSISTOR 2SA1162-G	
JR1451		VARIANT (SEE VARIANT PARTS LIST)		Q501	8-729-140-50	TRANSISTOR 2SC3209LK	
JR1454	1-216-295-91	SHORT		Q502 $\Delta$	8-729-035-75	TRANSISTOR 2SC5148(LBSONY)	
JR1456	1-216-295-91	SHORT		Q511	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR1801	1-216-295-91	SHORT		Q512 $\Delta$	8-729-809-29	TRANSISTOR 2SC4159-E	
JR1802	1-216-295-91	SHORT		Q551	8-729-216-22	TRANSISTOR 2SA1162-G	
JR1803	1-216-295-91	SHORT		Q552	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR1804	1-216-295-91	SHORT		Q561	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR4120	1-216-295-91	SHORT		Q562	8-729-422-27	TRANSISTOR 2SD601A-Q	
		<b>COIL</b>		Q563	8-729-105-08	TRANSISTOR 2SA1330-06	
L001	1-408-421-00	INDUCTOR 100 $\mu$ H		Q1102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L002	1-408-421-00	INDUCTOR 100 $\mu$ H		Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q	
L003	1-410-470-11	INDUCTOR 10 $\mu$ H		Q1231		VARIANT (SEE VARIANT PARTS LIST)	
L004	1-410-470-11	INDUCTOR 10 $\mu$ H		Q1232		VARIANT (SEE VARIANT PARTS LIST)	
L352	1-412-537-31	INDUCTOR 100 $\mu$ H		Q1261		VARIANT (SEE VARIANT PARTS LIST)	
L461		VARIANT (SEE VARIANT PARTS LIST)		Q1262		VARIANT (SEE VARIANT PARTS LIST)	
L501 $\Delta$	1-411-976-11	COIL,HORIZONTAL LINEARITY		Q1263		VARIANT (SEE VARIANT PARTS LIST)	
L502	1-412-552-11	INDUCTOR 2.2 $\mu$ H				<b>RESISTOR</b>	
L503	1-406-677-11	INDUCTOR 10 $\mu$ H		R001	1-216-045-00	RES,CHIP 680 5% 1/10W	
L511 $\Delta$	1-406-607-41	INDUCTOR 15 $\mu$ H		R002	1-247-815-91	CARBON 220 5% 1/4W	
L517	1-412-552-11	INDUCTOR 2.2 $\mu$ H		R003	1-216-097-91	RES,CHIP 100K 5% 1/10W	
L541		VARIANT (SEE VARIANT PARTS LIST)		R004	1-216-121-91	RES,CHIP 1M 5% 1/10W	
L1101	1-408-421-00	INDUCTOR 100 $\mu$ H		R006		VARIANT (SEE VARIANT PARTS LIST)	
L1102	1-410-470-11	INDUCTOR 10 $\mu$ H		R007	1-216-073-00	RES,CHIP 10K 5% 1/10W	
L1401		VARIANT (SEE VARIANT PARTS LIST)		R008		VARIANT (SEE VARIANT PARTS LIST)	
		<b>IC LINK</b>		R009	1-216-073-00	RES,CHIP 10K 5% 1/10W	
PS461 $\Delta$	1-532-984-11	LINK, IC 2A/90V		R010	1-216-037-00	RES,CHIP 330 5% 1/10W	
		<b>TRANSISTOR</b>		R011	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
Q001	8-729-216-22	TRANSISTOR 2SA1162-G		R012		VARIANT (SEE VARIANT PARTS LIST)	
Q002	8-729-422-27	TRANSISTOR 2SD601A-Q		R013	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
Q003	8-729-422-27	TRANSISTOR 2SD601A-Q		R014	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
Q004	8-729-216-22	TRANSISTOR 2SA1162-G		R015	1-216-073-00	RES,CHIP 10K 5% 1/10W	
Q010	8-729-422-27	TRANSISTOR 2SD601A-Q		R016	1-216-073-00	RES,CHIP 10K 5% 1/10W	
Q011	8-729-422-27	TRANSISTOR 2SD601A-Q		R019	1-249-425-11	CARBON 4.7K 5% 1/4W	
Q012	8-729-422-27	TRANSISTOR 2SD601A-Q		R020	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
Q013	8-729-422-27	TRANSISTOR 2SD601A-Q		R021	1-216-033-00	RES,CHIP 220 5% 1/10W	
Q014	8-729-422-27	TRANSISTOR 2SD601A-Q		R022	1-249-429-11	CARBON 10K 5% 1/4W	
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q		R023	1-216-089-91	RES,CHIP 47K 5% 1/10W	
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q		R024 $\Delta$	1-249-381-11	CARBON 1 5% 1/4W F	
Q017	8-729-216-22	TRANSISTOR 2SA1162-G		R025	1-163-010-11	CERAMIC 0.0012 10% 50V	
Q018		VARIANT (SEE VARIANT PARTS LIST)		R026	1-163-038-91	CERAMIC 0.1 25V	
Q301 $\Delta$	8-729-216-22	TRANSISTOR 2SA1162-G		R027 $\Delta$	1-249-389-11	CARBON 4.7 5% 1/4W F	
Q302 $\Delta$	8-729-216-22	TRANSISTOR 2SA1162-G		R028	1-249-417-11	CARBON 1K 5% 1/4W	
Q303 $\Delta$	8-729-216-22	TRANSISTOR 2SA1162-G		R029	1-216-025-91	RES,CHIP 100 5% 1/10W	
Q354	8-729-422-27	TRANSISTOR 2SD601A-Q		R030	1-249-425-11	CARBON 4.7K 5% 1/4W	

**Note:**

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

**Note:**

Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Common Parts Listing**



REF.NO.	PARTNO.	DESCRIPTION	REMARK	REF.NO.	PARTNO.	DESCRIPTION	REMARK
R031		VARIANT (SEE VARIANT PARTS LIST)		R087	1-247-815-91	CARBON 220	5% 1/4W
R032	1-247-815-91	CARBON 220	5% 1/4W	R089		VARIANT (SEE VARIANT PARTS LIST)	
R036	1-216-049-91	RES,CHIP 1K	5% 1/10W	R090		VARIANT (SEE VARIANT PARTS LIST)	
R037	1-216-049-91	RES,CHIP 1K	5% 1/10W	R092	1-249-429-11	CARBON 10K	5% 1/4W
R038	1-216-049-91	RES,CHIP 1K	5% 1/10W	R093	$\triangle$ 1-249-387-11	CARBON 3.3	5% 1/4W F
R039	1-247-807-31	CARBON 100	5% 1/4W	R094	$\triangle$ 1-249-381-11	CARBON 1	5% 1/4W F
R040		VARIANT (SEE VARIANT PARTS LIST)		R096	1-216-351-00	METAL 1.5	5% 1W F
R041		VARIANT (SEE VARIANT PARTS LIST)		R097	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R042		VARIANT (SEE VARIANT PARTS LIST)		R098		VARIANT (SEE VARIANT PARTS LIST)	
R044		VARIANT (SEE VARIANT PARTS LIST)		R099	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R045		VARIANT (SEE VARIANT PARTS LIST)		R101	$\triangle$ 1-249-381-11	CARBON 1	5% 1/4W F
R046	1-247-815-91	CARBON 220	5% 1/4W	R102		VARIANT (SEE VARIANT PARTS LIST)	
R047	1-249-417-11	CARBON 1K	5% 1/4W	R104		VARIANT (SEE VARIANT PARTS LIST)	
R048	1-249-417-11	CARBON 1K	5% 1/4W	R131	1-216-035-00	RES,CHIP 270	5% 1/10W
R049	1-249-417-11	CARBON 1K	5% 1/4W	R132	1-216-115-00	RES,CHIP 560K	5% 1/10W
R052	1-216-061-00	RES,CHIP 3.3K	5% 1/10W	R133	1-216-039-00	RES,CHIP 390	5% 1/10W
R053	1-216-061-00	RES,CHIP 3.3K	5% 1/10W	R135	1-216-073-00	RES,CHIP 10K	5% 1/10W
R054	1-216-061-00	RES,CHIP 3.3K	5% 1/10W	R136	1-216-073-00	RES,CHIP 10K	5% 1/10W
R055	1-216-097-91	RES,CHIP 100K	5% 1/10W	R137	1-216-049-91	RES,CHIP 1K	5% 1/10W
R056	1-216-033-00	RES,CHIP 220	5% 1/10W	R353	1-208-788-11	RES,CHIP 1.8K	0.50% 1/10W
R057	1-249-417-11	CARBON 1K	5% 1/4W	R354	1-216-077-91	RES,CHIP 15K	5% 1/10W
R058	1-216-033-00	RES,CHIP 220	5% 1/10W	R355	1-216-033-00	RES,CHIP 220	5% 1/10W
R059		VARIANT (SEE VARIANT PARTS LIST)		R356	1-216-033-00	RES,CHIP 220	5% 1/10W
R060		VARIANT (SEE VARIANT PARTS LIST)		R358		VARIANT (SEE VARIANT PARTS LIST)	
R061		VARIANT (SEE VARIANT PARTS LIST)		R359		VARIANT (SEE VARIANT PARTS LIST)	
R062		VARIANT (SEE VARIANT PARTS LIST)		R360		VARIANT (SEE VARIANT PARTS LIST)	
R063		VARIANT (SEE VARIANT PARTS LIST)		R361	1-216-025-91	RES,CHIP 100	5% 1/10W
R064	1-216-033-00	RES,CHIP 220	5% 1/10W	R362	1-216-025-91	RES,CHIP 100	5% 1/10W
R065	1-216-033-00	RES,CHIP 220	5% 1/10W	R363	$\triangle$ 1-216-025-91	RES,CHIP 100	5% 1/10W
R066	1-216-033-00	RES,CHIP 220	5% 1/10W	R364	1-216-101-00	RES,CHIP 150K	5% 1/10W
R067	1-216-041-00	RES,CHIP 470	5% 1/10W	R365		VARIANT (SEE VARIANT PARTS LIST)	
R068	1-247-815-91	CARBON 220	5% 1/4W	R366	1-216-089-91	RES,CHIP 47K	5% 1/10W
R069		VARIANT (SEE VARIANT PARTS LIST)		R367	1-216-097-91	RES,CHIP 100K	5% 1/10W
R070	1-249-421-11	CARBON 2.2K	5% 1/4W	R368	1-249-441-11	CARBON 100K	5% 1/4W
R071	1-247-815-91	CARBON 220	5% 1/4W	R369	1-216-097-91	RES,CHIP 100K	5% 1/10W
R072	1-216-033-00	RES,CHIP 220	5% 1/10W	R370	1-249-417-11	CARBON 1K	5% 1/4W
R073	1-216-033-00	RES,CHIP 220	5% 1/10W	R371	1-216-053-00	RES,CHIP 1.5K	5% 1/10W
R074		VARIANT (SEE VARIANT PARTS LIST)		R372	1-216-113-00	RES,CHIP 470K	5% 1/10W
R075		VARIANT (SEE VARIANT PARTS LIST)		R373	1-216-073-00	RES,CHIP 10K	5% 1/10W
R076	1-216-033-00	RES,CHIP 220	5% 1/10W	R374		VARIANT (SEE VARIANT PARTS LIST)	
R077	1-216-033-00	RES,CHIP 220	5% 1/10W	R375	1-216-025-91	RES,CHIP 100	5% 1/10W
R078	1-249-417-11	CARBON 1K	5% 1/4W	R376	1-216-073-00	RES,CHIP 10K	5% 1/10W
R079	1-216-033-00	RES,CHIP 220	5% 1/10W	R379	1-216-033-00	RES,CHIP 220	5% 1/10W
R080	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R380	1-247-815-91	CARBON 220	5% 1/4W
R081	1-216-025-91	RES,CHIP 100	5% 1/10W	R381	1-247-815-91	CARBON 220	5% 1/4W
R082	1-216-025-91	RES,CHIP 100	5% 1/10W	R382	1-216-033-00	RES,CHIP 220	5% 1/10W
R083	1-249-429-11	CARBON 10K	5% 1/4W	R383	1-216-049-91	RES,CHIP 1K	5% 1/10W
R084	1-216-049-91	RES,CHIP 1K	5% 1/10W	R384	1-216-109-00	RES,CHIP 330K	5% 1/10W
R085		VARIANT (SEE VARIANT PARTS LIST)		R385	1-249-422-11	CARBON 2.7K	5% 1/4W

**A****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	REF.NO.	PART.NO.	DESCRIPTION	REMARK	
R386		VARIANT (SEE VARIANT PARTS LIST)		R518	1-216-073-00	RES,CHIP 10K	5% 1/10W	
R387	1-216-049-91	RES,CHIP 1K	5% 1/10W	R519	1-249-411-11	CARBON 330	5% 1/4W	
R388	1-216-089-91	RES,CHIP 47K	5% 1/10W	R521	1-215-915-11	METAL 470	5% 3W F	
R389	1-216-067-00	RES,CHIP 5.6K	5% 1/10W	R523		VARIANT (SEE VARIANT PARTS LIST)		
R390	1-216-035-00	RES,CHIP 270	5% 1/10W	R524	1-249-429-11	CARBON 10K	5% 1/4W	
R391	1-208-810-11	RES,CHIP 15K	0.50% 1/10W	R525	1-216-071-00	RES,CHIP 8.2K	5% 1/10W	
R392	1-216-025-91	RES,CHIP 100	5% 1/10W	R528	1-216-081-00	RES,CHIP 22K	5% 1/10W	
R393	1-216-043-91	RES,CHIP 560	5% 1/10W	R529		VARIANT (SEE VARIANT PARTS LIST)		
R394	1-216-059-00	RES,CHIP 2.7K	5% 1/10W	☒ R530	△ 1-208-808-11	RES,CHIP 12K	0.50% 1/10W	
R395	1-216-061-00	RES,CHIP 3.3K	5% 1/10W	☒ R531		VARIANT (SEE VARIANT PARTS LIST)		
R396	1-249-417-11	CARBON 1K	5% 1/4W	R532	1-208-760-11	RES,CHIP 120	0.50% 1/10W	
R397	1-249-425-11	CARBON 4.7K	5% 1/4W	R533		VARIANT (SEE VARIANT PARTS LIST)		
R461	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R535		VARIANT (SEE VARIANT PARTS LIST)		
R462	1-216-089-91	RES,CHIP 47K	5% 1/10W	R536	△ 1-249-377-11	CARBON 0.47	5% 1/4W F	
R463	1-249-435-11	CARBON 33K	5% 1/4W	R537	△ 1-249-377-11	CARBON 0.47	5% 1/4W F	
R464	1-216-097-91	RES,CHIP 100K	5% 1/10W	R538	1-247-887-00	CARBON 220K	5% 1/4W	
R465	1-249-413-11	CARBON 470	5% 1/4W	R541		VARIANT (SEE VARIANT PARTS LIST)		
R466		VARIANT (SEE VARIANT PARTS LIST)		R542		VARIANT (SEE VARIANT PARTS LIST)		
R467	1-216-069-00	RES,CHIP 6.8K	5% 1/10W	R543	△ 1-249-377-11	CARBON 0.47	5% 1/4W F	
R469		VARIANT (SEE VARIANT PARTS LIST)		R546		VARIANT (SEE VARIANT PARTS LIST)		
R470	1-216-077-91	RES,CHIP 15K	5% 1/10W	R547	1-215-457-00	METAL 33K	1% 1/4W	
R471	1-216-069-00	RES,CHIP 6.8K	5% 1/10W	R549	△ 1-215-437-00	METAL 4.7K	1% 1/4W	
R472		VARIANT (SEE VARIANT PARTS LIST)		R550	△ 1-249-377-11	CARBON 0.47	5% 1/4W F	
R473	1-249-398-11	CARBON 27	5% 1/4W	R551	1-215-873-00	METAL 4.7K	5% 1W F	
R474	1-216-077-91	RES,CHIP 15K	5% 1/10W	R552	1-216-069-00	RES,CHIP 6.8K	5% 1/10W	
R475	1-249-430-11	CARBON 12K	5% 1/4W	R553	△ 1-260-288-11	CARBON 0.47	5% 1/2W	
R476	1-249-430-11	CARBON 12K	5% 1/4W	R554	1-216-057-00	RES,CHIP 2.2K	5% 1/10W	
R477	1-249-398-11	CARBON 27	5% 1/4W	R561	1-216-073-00	RES,CHIP 10K	5% 1/10W	
R478	1-249-418-11	CARBON 1.2K	5% 1/4W	F	R563	1-216-351-00	METAL 1.5	5% 1W F
R479	1-249-418-11	CARBON 1.2K	5% 1/4W	F	R564	1-249-393-11	CARBON 10	5% 1/4W
R480	1-249-385-11	CARBON 2.2	5% 1/4W	F	R565	1-215-890-11	METAL 470	5% 2W F
R481	1-249-385-11	CARBON 2.2	5% 1/4W	F	R566	1-216-073-00	RES,CHIP 10K	5% 1/10W
R482	1-249-421-11	CARBON 2.2K	5% 1/4W	R567	1-249-385-11	CARBON 2.2	5% 1/4W F	
R483	1-249-421-11	CARBON 2.2K	5% 1/4W	R568	1-216-073-00	RES,CHIP 10K	5% 1/10W	
R501	1-216-037-00	RES,CHIP 330	5% 1/10W	R569	1-216-073-00	RES,CHIP 10K	5% 1/10W	
R502	1-216-061-00	RES,CHIP 3.3K	5% 1/10W	R570	1-216-097-91	RES,CHIP 100K	5% 1/10W	
R503	1-249-426-11	CARBON 5.6K	5% 1/4W	F	R571	1-216-081-00	RES,CHIP 22K	5% 1/10W
R504	1-215-915-11	METAL 470	5% 3W	F	R572	1-216-081-00	RES,CHIP 22K	5% 1/10W
R505	1-249-431-11	CARBON 15K	5% 1/4W	R573	1-216-097-91	RES,CHIP 100K	5% 1/10W	
R506	1-215-861-00	METAL 47	5% 1W	F	R574	△ 1-216-365-00	METAL 0.47	5% 2W F
R507	1-249-401-11	CARBON 47	5% 1/4W	R575	1-216-113-00	RES,CHIP 470K	5% 1/10W	
R508	1-249-427-11	CARBON 6.8K	5% 1/4W	R576	1-216-073-00	RES,CHIP 10K	5% 1/10W	
R509	1-247-750-11	CARBON 680	5% 1/2W	F	R577	1-216-097-91	RES,CHIP 100K	5% 1/10W
R510	1-215-860-11	METAL 33	5% 1W	F	R578	1-208-784-11	RES,CHIP 1.2K	0.50% 1/10W
R511		VARIANT (SEE VARIANT PARTS LIST)		R579	1-208-842-11	RES,CHIP 330K	0.50% 1/10W	
R512	1-215-911-11	METAL 100	5% 3W	F	R580	1-249-441-11	CARBON 100K	5% 1/4W
R515		VARIANT (SEE VARIANT PARTS LIST)		R1009		VARIANT (SEE VARIANT PARTS LIST)		
R516	1-216-057-00	RES,CHIP 2.2K	5% 1/10W	R1010		VARIANT (SEE VARIANT PARTS LIST)		
R517	1-249-415-11	CARBON 680	5% 1/4W	R1101	1-216-049-91	RES,CHIP 1K	5% 1/10W	

**Note:**

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

**Note:**

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Common Parts Listing**



REFNO.	PARTNO.	DESCRIPTION	REMARK	REFNO.	PARTNO.	DESCRIPTION	REMARK
R1102	1-215-900-11	METAL	22K 5% 2W F	R1266		VARIANT (SEE VARIANT PARTS LIST)	
R1103	1-216-051-00	RES,CHIP	1.2K 5% 1/10W	R1267		VARIANT (SEE VARIANT PARTS LIST)	
R1104	1-216-083-00	RES,CHIP	27K 5% 1/10W	R1268		VARIANT (SEE VARIANT PARTS LIST)	
R1105	1-216-689-11	RES,CHIP	39K 5% 1/10W	R1270		VARIANT (SEE VARIANT PARTS LIST)	
R1106	1-216-049-91	RES,CHIP	1K 5% 1/10W	R1273		VARIANT (SEE VARIANT PARTS LIST)	
R1107	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	R1274		VARIANT (SEE VARIANT PARTS LIST)	
R1108	1-216-073-00	RES,CHIP	10K 5% 1/10W	R1277		VARIANT (SEE VARIANT PARTS LIST)	
R1109	1-216-019-00	RES,CHIP	56 5% 1/10W	R1278		VARIANT (SEE VARIANT PARTS LIST)	
R1110	1-216-019-00	RES,CHIP	56 5% 1/10W	R1280		VARIANT (SEE VARIANT PARTS LIST)	
R1111	1-216-019-00	RES,CHIP	56 5% 1/10W	R1282		VARIANT (SEE VARIANT PARTS LIST)	
R1115	1-216-045-00	RES,CHIP	680 5% 1/10W	R1283		VARIANT (SEE VARIANT PARTS LIST)	
R1117	1-249-425-11	CARBON	4.7K 5% 1/4W	R1284		VARIANT (SEE VARIANT PARTS LIST)	
R1118	1-249-425-11	CARBON	4.7K 5% 1/4W	R1286		VARIANT (SEE VARIANT PARTS LIST)	
R1120	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R1287		VARIANT (SEE VARIANT PARTS LIST)	
R1121	1-216-035-00	RES,CHIP	270 5% 1/10W	R1288		VARIANT (SEE VARIANT PARTS LIST)	
R1122	1-216-115-00	RES,CHIP	560K 5% 1/10W	R1290		VARIANT (SEE VARIANT PARTS LIST)	
R1123	1-216-039-00	RES,CHIP	390 5% 1/10W	R1291		VARIANT (SEE VARIANT PARTS LIST)	
R1125	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R1292		VARIANT (SEE VARIANT PARTS LIST)	
R1126	1-216-035-00	RES,CHIP	270 5% 1/10W	R1293		VARIANT (SEE VARIANT PARTS LIST)	
R1127	1-216-115-00	RES,CHIP	560K 5% 1/10W	R1294		VARIANT (SEE VARIANT PARTS LIST)	
R1128	1-216-039-00	RES,CHIP	390 5% 1/10W	R1295		VARIANT (SEE VARIANT PARTS LIST)	
R1130	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R1296		VARIANT (SEE VARIANT PARTS LIST)	
R1234		VARIANT (SEE VARIANT PARTS LIST)		R1351	1-247-815-91	CARBON 220 5% 1/4W	
R1240		VARIANT (SEE VARIANT PARTS LIST)		R1352	1-247-815-91	CARBON 220 5% 1/4W	
R1241		VARIANT (SEE VARIANT PARTS LIST)		R1353	1-247-815-91	CARBON 220 5% 1/4W	
R1242		VARIANT (SEE VARIANT PARTS LIST)		R1354	1-216-033-00	RES,CHIP 220 5% 1/10W	
R1243		VARIANT (SEE VARIANT PARTS LIST)		R1355	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1244		VARIANT (SEE VARIANT PARTS LIST)		R1356	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1245		VARIANT (SEE VARIANT PARTS LIST)		R1357	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1246		VARIANT (SEE VARIANT PARTS LIST)		R1358	1-247-807-31	CARBON 100 5% 1/4W	
R1247		VARIANT (SEE VARIANT PARTS LIST)		R1359	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1248		VARIANT (SEE VARIANT PARTS LIST)		R1360	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R1249		VARIANT (SEE VARIANT PARTS LIST)		R1361	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R1250		VARIANT (SEE VARIANT PARTS LIST)		R1362	1-216-295-91	SHORT	
R1251		VARIANT (SEE VARIANT PARTS LIST)		R1407		VARIANT (SEE VARIANT PARTS LIST)	
R1252		VARIANT (SEE VARIANT PARTS LIST)		R1410		VARIANT (SEE VARIANT PARTS LIST)	
R1253		VARIANT (SEE VARIANT PARTS LIST)		R1411		VARIANT (SEE VARIANT PARTS LIST)	
R1254		VARIANT (SEE VARIANT PARTS LIST)		R1412		VARIANT (SEE VARIANT PARTS LIST)	
R1255		VARIANT (SEE VARIANT PARTS LIST)		R1413		VARIANT (SEE VARIANT PARTS LIST)	
R1256		VARIANT (SEE VARIANT PARTS LIST)		R1414		VARIANT (SEE VARIANT PARTS LIST)	
R1257		VARIANT (SEE VARIANT PARTS LIST)		R1415		VARIANT (SEE VARIANT PARTS LIST)	
R1258		VARIANT (SEE VARIANT PARTS LIST)		R1418		VARIANT (SEE VARIANT PARTS LIST)	
R1259		VARIANT (SEE VARIANT PARTS LIST)		R1419		VARIANT (SEE VARIANT PARTS LIST)	
R1260		VARIANT (SEE VARIANT PARTS LIST)		R1420		VARIANT (SEE VARIANT PARTS LIST)	
R1261		VARIANT (SEE VARIANT PARTS LIST)		R1421		VARIANT (SEE VARIANT PARTS LIST)	
R1262		VARIANT (SEE VARIANT PARTS LIST)		R1424		VARIANT (SEE VARIANT PARTS LIST)	
R1263		VARIANT (SEE VARIANT PARTS LIST)		R1425		VARIANT (SEE VARIANT PARTS LIST)	
R1264		VARIANT (SEE VARIANT PARTS LIST)					
R1265		VARIANT (SEE VARIANT PARTS LIST)					

**A****Common Parts Listing****Note:**

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

**Note:**

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>	<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>
		<b><u>SWITCH</u></b>					
S001		VARIANT (SEE VARIANT PARTS LIST)					
S002		VARIANT (SEE VARIANT PARTS LIST)					
S003		VARIANT (SEE VARIANT PARTS LIST)					
S004		VARIANT (SEE VARIANT PARTS LIST)					
S005		VARIANT (SEE VARIANT PARTS LIST)					
S006		VARIANT (SEE VARIANT PARTS LIST)					
S007		VARIANT (SEE VARIANT PARTS LIST)					
S501	1-572-707-11	SWITCH, LEVER					
		<b><u>TRANSFORMER</u></b>					
T501	1-437-210-11	TRANSFORMER,HORIZONTAL DRIVE					
T502		VARIANT (SEE VARIANT PARTS LIST)					
T503		VARIANT (SEE VARIANT PARTS LIST)					
T504		VARIANT (SEE VARIANT PARTS LIST)					
		<b><u>TUNER</u></b>					
TU102	$\triangle$ 8-598-431-00	TUNER, FSS BTF-WA411					
		<b><u>CRYSTAL</u></b>					
X001	1-578-774-11	VIBRATOR, CRYSTAL					
X353	1-567-505-11	OSCILLATOR, CRYSTAL					
X354	1-577-611-11	OSCILLATOR, CERAMIC					

## Note:

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

## Note:

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## Variant Parts Listing

A

The parts on this page belong to the following model(s) only:

KV-32S42

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<b>A-Board Variant Parts List</b>				<b>CONNECTOR</b>			
<b>KV-32S42</b>							
	* A-1299-001-A	A COMPLETE PC BOARD		CN1941 *	1-564-508-11	PLUG, CONNECTOR 5P	
<b>CAPACITOR</b>				<b>DIODE</b>			
C068	1-164-096-11	CERAMIC	0.01 $\mu$ F 50V	D005	8-719-991-33	DIODE	1SS133T-77
C370	1-163-037-11	CERAMIC	0.022 $\mu$ F 10% 50V	D006	1-810-039-31	LED UNIT	
C375	1-165-319-11	CERAMIC	0.1 $\mu$ F 50V	D1247	8-719-110-17	DIODE	RD10ESB2
C461	1-126-933-11	ELECT	100 $\mu$ F 20% 16V	D1248	8-719-981-99	DIODE	MTZJ-3.3
C513	$\triangle$ 1-130-895-00	FILM	0.056 $\mu$ F 5% 400V	D1261	8-719-110-17	DIODE	RD10ESB2
C514	$\triangle$ 1-104-844-11	FILM	0.62 $\mu$ F 5% 200V	D1262	8-719-110-17	DIODE	RD10ESB2
C520	1-164-645-11	CERAMIC	1000pF 10% 500V	<b>IC</b>			
C521	1-164-161-11	CERAMIC	0.0022 $\mu$ F 10% 50V	IC003	8-742-134-00	HYB IC SBX1981-51P	
C537	1-126-941-11	ELECT	470 $\mu$ F 20% 25V	IC1261	8-759-366-77	IC MM1311AD	
C539	1-126-935-11	ELECT	470 $\mu$ F 20% 16V	IC1401	8-752-072-39	IC CXA2021S	
C1236	1-163-031-11	CERAMIC	0.01 $\mu$ F 50V	IC1402	8-759-100-96	IC UPC4558G2	
C1237	1-136-161-00	FILM	0.047 $\mu$ F 5% 50V	<b>JACK</b>			
C1238	1-136-161-00	FILM	0.047 $\mu$ F 5% 50V	J1232	1-774-751-11	TERMINAL BLOCK, S	
C1239	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	J1234	1-774-750-11	JACK BLOCK, PIN	
C1240	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	<b>CHIP CONDUCTOR</b>			
C1244	1-126-959-11	ELECT	0.47 $\mu$ F 20% 50V	JR351	1-216-295-91	SHORT	
C1245	1-126-959-11	ELECT	0.47 $\mu$ F 20% 50V	JR352	1-216-295-91	SHORT	
C1261	1-104-664-11	ELECT	47 $\mu$ F 20% 16V	JR1264	1-216-295-91	SHORT	
C1262	1-104-664-11	ELECT	47 $\mu$ F 20% 16V	JR1450	1-216-295-91	SHORT	
C1263	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	JR1451	1-216-295-91	SHORT	
C1264	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	<b>COIL</b>			
C1267	1-136-161-00	FILM	0.047 $\mu$ F 5% 50V	L461	1-408-602-31	INDUCTOR	8.2 $\mu$ H
C1268	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	L1401	1-410-494-11	INDUCTOR	1 $\mu$ H
C1269	1-126-960-11	ELECT	1 $\mu$ F 20% 50V	<b>TRANSISTOR</b>			
C1293	1-163-251-11	CERAMIC	100pF 5% 50V	Q1231	8-729-422-27	TRANSISTOR	2SD601A-Q
C1401	1-126-959-11	ELECT	0.47 $\mu$ F 20% 50V	Q1232	8-729-422-27	TRANSISTOR	2SD601A-Q
C1402	1-104-664-11	ELECT	47 $\mu$ F 20% 25V	Q1261	8-729-216-22	TRANSISTOR	2SA1162-G
C1403	1-126-959-11	ELECT	0.47 $\mu$ F 20% 50V	Q1262	8-729-216-22	TRANSISTOR	2SA1162-G
C1404	1-126-956-91	ELECT	0.1 $\mu$ F 20% 50V	Q1263	8-729-422-27	TRANSISTOR	2SD601A-Q
C1405	1-163-017-00	CERAMIC	0.0047 $\mu$ F 10% 50V	<b>RESISTOR</b>			
C1406	1-126-956-91	ELECT	0.1 $\mu$ F 20% 50V	R044	1-216-033-00	RES,CHIP	220 5% 1/10W
C1407	1-163-017-00	CERAMIC	0.0047 $\mu$ F 10% 50V	R059	1-216-047-91	RES,CHIP	820 5% 1/10W
C1408	1-126-963-11	ELECT	4.7 $\mu$ F 20% 50V	R060	1-216-049-91	RES,CHIP	1K 5% 1/10W
C1409	1-126-963-11	ELECT	4.7 $\mu$ F 20% 50V	R061	1-216-055-00	RES,CHIP	1.8K 5% 1/10W
C1410	1-126-956-91	ELECT	0.1 $\mu$ F 20% 50V	R062	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
C1411	1-165-319-11	CERAMIC	0.1 $\mu$ F 50V	R063	1-216-073-00	RES,CHIP	10K 5% 1/10W
C1413	1-126-963-11	ELECT	4.7 $\mu$ F 20% 50V	R074	1-216-033-00	RES,CHIP	220 5% 1/10W
C1415	1-126-964-11	ELECT	10 $\mu$ F 20% 50V	R075	1-216-033-00	RES,CHIP	220 5% 1/10W
C1416	1-126-963-11	ELECT	4.7 $\mu$ F 20% 50V	R098	$\triangle$ 1-249-385-11	CARBON	2.2 5% 1/4W F
C1417	1-126-767-11	ELECT	1000 $\mu$ F 20% 16V	R365	1-216-101-00	RES,CHIP	150K 5% 1/10W
C1420	1-126-963-11	ELECT	4.7 $\mu$ F 20% 50V	R374	1-216-125-00	RES,CHIP	1.5M 5% 1/10W
C1501	1-115-462-11	FILM	0.12 $\mu$ F 5% 200V	R466	1-249-388-11	CARBON	3.9 5% 1/4W F
				R469	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
				R472	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
				R511	1-215-885-00	METAL	68 5% 2W F

**A****Variant Parts Listing**

The parts on this page belong to the following model(s) only:

**KV-32S42****Note:**The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.**Note:**The components identified by  $\boxtimes$  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	REF.NO.	PART NO.	DESCRIPTION	REMARK
R515	1-216-083-00	RES,CHIP	27K 5% 1/10W	R1295	1-216-049-91	RES,CHIP	1K 5% 1/10W
R523	1-216-073-00	RES,CHIP	10K 5% 1/10W	R1407	1-216-073-00	RES,CHIP	10K 5% 1/10W
R529	1-208-814-91	RES,CHIP	22K 0.50% 1/10W	R1410	1-216-121-91	RES,CHIP	1M 5% 1/10W
$\boxtimes$ R531	$\triangle$ 1-208-826-11	RES,CHIP	68K 0.50% 1/10W	R1411	1-216-073-00	RES,CHIP	10K 5% 1/10W
R533	1-215-902-11	METAL	47K 5% 1W F	R1412	1-216-081-00	RES,CHIP	22K 5% 1/10W
R535	1-216-101-00	RES,CHIP	150K 5% 1/10W	R1413	1-216-089-91	RES,CHIP	47K 5% 1/10W
R546	1-215-453-00	METAL	22K 1% 1/4W	R1414	1-216-089-91	RES,CHIP	47K 5% 1/10W
R1009	1-216-033-00	RES,CHIP	220 5% 1/10W	R1415	1-216-025-91	RES,CHIP	100 5% 1/10W
R1010	1-216-033-00	RES,CHIP	220 5% 1/10W	R1418	1-216-081-00	RES,CHIP	22K 5% 1/10W
R1234	1-249-441-11	CARBON	100K 5% 1/4W	R1419	1-216-089-91	RES,CHIP	47K 5% 1/10W
R1240	1-216-022-00	RES,CHIP	75 5% 1/10W	R1420	1-216-089-91	RES,CHIP	47K 5% 1/10W
R1241	1-216-022-00	RES,CHIP	75 5% 1/10W	R1421	1-216-025-91	RES,CHIP	100 5% 1/10W
R1242	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	R1424	1-247-815-91	CARBON	220 5% 1/4W
R1243	1-249-441-11	CARBON	100K 5% 1/4W	R1425	1-247-815-91	CARBON	220 5% 1/4W
R1244	1-216-022-00	RES,CHIP	75 5% 1/10W				
R1245	1-216-113-00	RES,CHIP	470K 5% 1/10W	<b>SWITCH</b>			
R1246	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	S001	1-692-431-21	SWITCH, TACTILE	
R1247	1-216-113-00	RES,CHIP	470K 5% 1/10W	S002	1-692-431-21	SWITCH, TACTILE	
R1248	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	S003	1-692-431-21	SWITCH, TACTILE	
R1254	1-216-113-00	RES,CHIP	470K 5% 1/10W	S004	1-692-431-21	SWITCH, TACTILE	
R1254	1-216-113-00	RES,CHIP	470K 5% 1/10W	S005	1-692-431-21	SWITCH, TACTILE	
R1255	1-216-049-91	RES,CHIP	1K 5% 1/10W	S006	1-692-431-21	SWITCH, TACTILE	
R1256	1-216-113-00	RES,CHIP	470K 5% 1/10W	S007	1-692-431-21	SWITCH, TACTILE	
R1257	1-216-049-91	RES,CHIP	1K 5% 1/10W	<b>TRANSFORMER</b>			
R1258	1-216-061-00	RES,CHIP	3.3K 5% 1/10W	T502	$\triangle$ 1-424-545-11	TRANSFORMER,FERRITE (PMT)	
R1259	1-216-097-91	RES,CHIP	100K 5% 1/10W	T503	$\triangle$ 1-453-207-11	FBT ASSY, NX-2609//X4C	
R1260	1-216-061-00	RES,CHIP	3.3K 5% 1/10W				
R1261	1-216-033-00	RES,CHIP	220 5% 1/10W				
R1262	1-216-025-91	RES,CHIP	100 5% 1/10W				
R1263	1-216-033-00	RES,CHIP	220 5% 1/10W				
R1264	1-216-025-91	RES,CHIP	100 5% 1/10W				
R1265	1-216-033-00	RES,CHIP	220 5% 1/10W				
R1266	1-216-025-91	RES,CHIP	100 5% 1/10W				
R1267	1-216-295-91	SHORT					
R1268	1-216-025-91	RES,CHIP	100 5% 1/10W				
R1270	1-216-025-91	RES,CHIP	100 5% 1/10W				
R1277	1-247-815-91	CARBON	220 5% 1/4W				
R1278	1-247-815-91	CARBON	220 5% 1/4W				
R1280	1-216-025-91	RES,CHIP	100 5% 1/10W				
R1282	1-216-025-91	RES,CHIP	100 5% 1/10W				
R1284	1-247-807-31	CARBON	100 5% 1/4W				
R1286	1-216-049-91	RES,CHIP	1K 5% 1/10W				
R1287	1-216-049-91	RES,CHIP	1K 5% 1/10W				
R1288	1-247-807-31	CARBON	100 5% 1/4W				
R1290	1-216-041-00	RES,CHIP	470 5% 1/10W				
R1291	1-216-045-00	RES,CHIP	680 5% 1/10W				
R1292	1-216-065-91	RES,CHIP	4.7K 5% 1/10W				
R1293	1-216-065-91	RES,CHIP	4.7K 5% 1/10W				
R1294	1-216-049-91	RES,CHIP	1K 5% 1/10W				

**Note:**

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

**Note:**

The components identified by  $\boxtimes$  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.

**Variant Parts Listing**

The parts on this page belong to the following model(s) only:

**KV-32S66**

**A**

**REF.NO. PART NO. DESCRIPTION REMARK**

**A-Board Variant Parts List  
KV-32S66**

\* A-1298-997-A A COMPLETE PC BOARD

**CAPACITOR**

C090	1-137-368-11	FILM	0.0047MF	5%	50V
C360	1-126-956-91	ELECT	0.1MF	20%	50V
C361	1-126-956-91	ELECT	0.1MF	20%	50V
C362	1-126-956-91	ELECT	0.1MF	20%	50V
C370	1-163-037-11	CERAMIC	0.022MF	10%	50V
C461	1-126-933-11	ELECT	100MF	20%	16V
C513	$\triangle$ 1-130-895-00	FILM	0.056MF	5%	400V
C514	$\triangle$ 1-104-844-11	FILM	0.62MF	5%	200V
C520	1-164-645-11	CERAMIC	1000PF	10%	500V
C521	1-164-161-11	CERAMIC	0.0022MF	10%	50V
C537	1-126-941-11	ELECT	470MF	20%	25V
C539	1-126-935-11	ELECT	470MF	20%	16V
C1501	1-115-462-11	FILM	0.12MF	5%	200V

**CONNECTOR**

CN271	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P			
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P			
CN1941 *	1-564-508-11	PLUG, CONNECTOR 5P			
CN3003 *	1-564-596-11	PLUG, CONNECTOR 15P			

**DIODE**

D368	8-719-991-33	DIODE 1SS133T-77			
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**CHIP CONDUCTOR**

JR001	1-216-295-91	SHORT			
JR1417	1-216-295-91	SHORT			

**COIL**

L461	1-408-602-31	INDUCTOR	8.2UH		
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**TRANSISTOR**

Q018	8-729-422-27	TRANSISTOR 2SD601A-Q			
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**RESISTOR**

R006	1-247-815-91	CARBON	220	5%	1/4W
R008	1-247-815-91	CARBON	220	5%	1/4W
R012	1-216-033-00	RES,CHIP	220	5%	1/10W
R031	1-247-815-91	CARBON	220	5%	1/4W
R040	1-247-815-91	CARBON	220	5%	1/4W
R041	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R042	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R044	1-216-033-00	RES,CHIP	220	5%	1/10W
R045	1-247-815-91	CARBON	220	5%	1/4W
R074	1-216-025-91	RES,CHIP	100	5%	1/10W
R075	1-216-025-91	RES,CHIP	100	5%	1/10W
R090	1-216-033-00	RES,CHIP	220	5%	1/10W
R102	1-216-089-91	RES,CHIP	47K	5%	1/10W

**REF.NO. PART NO. DESCRIPTION REMARK**

R104	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R358	1-247-815-91	CARBON	220	5%	1/4W	
R359	1-247-815-91	CARBON	220	5%	1/4W	
R360	1-247-815-91	CARBON	220	5%	1/4W	
R365	1-216-101-00	RES,CHIP	150K	5%	1/10W	
R374	1-216-125-00	RES,CHIP	1.5M	5%	1/10W	
R386	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R466	1-249-388-11	CARBON	3.9	5%	1/4W	F
R469	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R472	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R511	1-215-885-00	METAL	68	5%	2W	F
R515	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R523	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R529	1-208-814-91	RES,CHIP	22K	0.50%	1/10W	
$\boxtimes$ R531	$\triangle$ 1-208-826-11	RES,CHIP	68K	0.50%	1/10W	
R533	1-215-902-11	METAL	47K	5%	1W	F
R535	1-216-101-00	RES,CHIP	150K	5%	1/10W	
R546	1-215-453-00	METAL	22K	1%	1/4W	

**TRANSFORMER**

T502	$\triangle$ 1-424-545-11	TRANSFORMER, FERRITE (PMT)			
T503	$\triangle$ 1-453-207-11	FBT ASSY, NX-2609//X4C			

**A****Variant Parts Listing**

The parts on this page belong to the following model(s) only:

KV-32V42

**Note:**The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.**Note:**The components identified by  $\boxtimes$  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			
<b>A-Board Variant Parts List</b>						
<b>KV-32V42</b>						
* A-1298-999-A	A COMPLETE PC BOARD					
<b>CAPACITOR</b>						
C370	1-163-037-11	CERAMIC	0.022 $\mu$ F	10%	50V	
C375	1-164-004-11	CERAMIC	0.1 $\mu$ F	10%	25V	
C461	1-126-964-11	ELECT	10 $\mu$ F	20%	50V	
C513	$\triangle$ 1-130-895-00	FILM	0.056 $\mu$ F	5%	400V	
C514	$\triangle$ 1-104-844-11	FILM	0.62 $\mu$ F	5%	200V	
C520	1-164-645-11	CERAMIC	1000pF	10%	500V	
C521	1-164-161-11	CERAMIC	0.0022 $\mu$ F	10%	50V	
C537	1-126-941-11	ELECT	470 $\mu$ F	20%	25V	
C539	1-126-935-11	ELECT	470 $\mu$ F	20%	16V	
C1501	1-115-462-11	FILM	0.12 $\mu$ F	5%	200V	
<b>CONNECTOR</b>						
CN271	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P				
CN1231	* 1-564-511-11	PLUG, CONNECTOR 8P				
CN1941	* 1-564-508-11	PLUG, CONNECTOR 5P				
<b>CHIP CONDUCTOR</b>						
JR200	1-216-295-91	SHORT				
JR351	1-216-295-91	SHORT				
JR352	1-216-295-91	SHORT				
JR1417	1-216-295-91	SHORT				
<b>COIL</b>						
L461	1-410-472-41	INDUCTOR	15 $\mu$ H			
L1401	1-410-494-11	INDUCTOR	1 $\mu$ H			
<b>RESISTOR</b>						
R044	1-216-033-00	RES,CHIP	220	5%	1/10W	
R074	1-216-033-00	RES,CHIP	220	5%	1/10W	
R075	1-216-033-00	RES,CHIP	220	5%	1/10W	
R089	1-216-033-00	RES,CHIP	220	5%	1/10W	
R098	$\triangle$ 1-249-385-11	CARBON	2.2	5%	1/4W F	
R365	1-216-101-00	RES,CHIP	150K	5%	1/10W	
R374	1-216-125-00	RES,CHIP	1.5M	5%	1/10W	
R466	1-249-385-11	CARBON	2.2	5%	1/4W F	
R469	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R472	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R511	1-215-885-00	METAL	68	5%	2W F	
R515	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R523	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R529	1-208-814-91	RES,CHIP	22K	0.50%	1/10W	
$\boxtimes$ R531	$\triangle$ 1-208-826-11	RES,CHIP	68K	0.50%	1/10W	
R533	1-215-902-11	METAL	47K	5%	1W F	
R535	1-216-101-00	RES,CHIP	150K	5%	1/10W	
R546	1-215-453-00	METAL	22K	1%	1/4W	
R1255	1-216-295-91	SHORT				

REF.NO.	PART NO.	DESCRIPTION	REMARK
<b>TRANSFORMER</b>			
T502	$\triangle$ 1-424-545-11	TRANSFORMER, FERRITE (PMT)	
T503	$\triangle$ 1-453-207-11	FBT ASSY, NX-2609//X4C	

## Note:

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

## Note:

Les composants identifiés par un triangle et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## Variant Parts Listing

A

The parts on this page belong to the following model(s) only:

KV-35S42

REF.NO. PART NO. DESCRIPTION REMARK

A-Board Variant Parts List  
KV-35S42

\* A-1298-899-A A COMPLETE PC BOARD

## CAPACITOR

C069	1-126-964-11	ELECT	10 $\mu$ F	20%	50V
C370	1-163-035-00	CERAMIC	0.047 $\mu$ F		50V
C375	1-165-319-11	CERAMIC	0.1 $\mu$ F		50V
C461	1-126-933-11	ELECT	100 $\mu$ F	20%	16V
C513	$\Delta$ 1-129-720-00	FILM	0.033 $\mu$ F	5%	630V
C514	$\Delta$ 1-136-540-11	FILM	0.82 $\mu$ F	5%	200V
C520	1-101-821-00	CERAMIC	0.0022 $\mu$ F		500V
C521	1-164-182-11	CERAMIC	0.0033 $\mu$ F	10%	50V
C537	1-126-942-61	ELECT	1000 $\mu$ F	20%	25V
C539	1-126-942-61	ELECT	1000 $\mu$ F	20%	25V
C542	1-106-383-00	MYLAR	0.047 $\mu$ F	10%	200V
C1236	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C1237	1-136-161-00	FILM	0.047 $\mu$ F	5%	50V
C1238	1-136-161-00	FILM	0.047 $\mu$ F	5%	50V
C1239	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1240	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1241	1-136-161-00	FILM	0.047 $\mu$ F	5%	50V
C1242	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1243	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1244	1-126-959-11	ELECT	0.47 $\mu$ F	20%	50V
C1245	1-126-959-11	ELECT	0.47 $\mu$ F	20%	50V
C1261	1-104-664-11	ELECT	47 $\mu$ F	20%	16V
C1262	1-104-664-11	ELECT	47 $\mu$ F	20%	16V
C1263	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1264	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1267	1-136-161-00	FILM	0.047 $\mu$ F	5%	50V
C1268	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1269	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C1293	1-163-251-11	CERAMIC	100pF	5%	50V
C1401	1-126-959-11	ELECT	0.47 $\mu$ F	20%	50V
C1402	1-104-664-11	ELECT	47 $\mu$ F	20%	25V
C1403	1-126-959-11	ELECT	0.47 $\mu$ F	20%	50V
C1404	1-126-956-91	ELECT	0.1 $\mu$ F	20%	50V
C1405	1-163-017-00	CERAMIC	0.0047 $\mu$ F	10%	50V
C1406	1-126-956-91	ELECT	0.1 $\mu$ F	20%	50V
C1407	1-163-017-00	CERAMIC	0.0047 $\mu$ F	10%	50V
C1408	1-126-963-11	ELECT	4.7 $\mu$ F	20%	50V
C1409	1-126-963-11	ELECT	4.7 $\mu$ F	20%	50V
C1410	1-126-956-91	ELECT	0.1 $\mu$ F	20%	50V
C1411	1-165-319-11	CERAMIC	0.1 $\mu$ F		50V
C1413	1-126-963-11	ELECT	4.7 $\mu$ F	20%	50V
C1415	1-126-964-11	ELECT	10 $\mu$ F	20%	50V
C1416	1-126-963-11	ELECT	4.7 $\mu$ F	20%	50V

REF.NO. PART NO. DESCRIPTION REMARK

C1417	1-126-767-11	ELECT	1000 $\mu$ F	20%	16V
C1420	1-126-963-11	ELECT	4.7 $\mu$ F	20%	50V

## CONNECTOR

CN1941	* 1-564-511-11	PLUG, CONNECTOR	8P		
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## DIODE

D1247	8-719-110-17	DIODE	RD10ESB2		
D1248	8-719-981-99	DIODE	MTZJ-3.3		
D1261	8-719-110-17	DIODE	RD10ESB2		
D1262	8-719-110-17	DIODE	RD10ESB2		

## IC

IC1261	8-759-366-77	IC MM1311AD			
IC1401	8-752-072-39	IC CXA2021S			
IC1402	8-759-100-96	IC UPC4558G2			

## JACK

J1232	1-774-751-11	TERMINAL BLOCK, S			
J1233	1-774-749-11	JACK BLOCK, PIN			
J1234	1-774-750-11	JACK BLOCK, PIN			

## CHIP CONDUCTOR

JR351	1-216-295-91	SHORT			
JR352	1-216-295-91	SHORT			
JR1264	1-216-295-91	SHORT			
JR1450	1-216-295-91	SHORT			
JR1451	1-216-295-91	SHORT			

## COIL

L461	1-408-602-31	INDUCTOR	8.2 $\mu$ H		
L541	1-406-677-11	INDUCTOR	10 $\mu$ H		
L1401	1-410-494-11	INDUCTOR	1 $\mu$ H		

## TRANSISTOR

Q1231	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1232	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1261	8-729-216-22	TRANSISTOR	2SA1162-G		
Q1262	8-729-216-22	TRANSISTOR	2SA1162-G		
Q1263	8-729-422-27	TRANSISTOR	2SD601A-Q		

## RESISTOR

R044	1-216-033-00	RES,CHIP	220	5%	1/10W	
R069	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R074	1-216-033-00	RES,CHIP	220	5%	1/10W	
R075	1-216-033-00	RES,CHIP	220	5%	1/10W	
R085	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R098	$\Delta$ 1-249-385-11	CARBON	2.2	5%	1/4W	F
R365	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R374	1-216-121-91	RES,CHIP	1M	5%	1/10W	
R466	1-249-388-11	CARBON	3.9	5%	1/4W	F
R469	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R472	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
R511	1-215-886-11	METAL	100	5%	2W	F
R515	1-216-077-91	RES,CHIP	15K	5%	1/10W	
R523	1-216-071-00	RES,CHIP	8.2K	5%	1/10W	

**A****Variant Parts Listing**

The parts on this page belong to the following model(s) only:

**KV-35S42****Note:**The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.**Note:**The components identified by  $\boxtimes$  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	REF.NO.	PART NO.	DESCRIPTION	REMARK
R529	1-208-812-11	RES,CHIP 18K	0.50% 1/10W	R1288	1-247-807-31	CARBON 100	5% 1/4W
$\boxtimes$ R531	$\triangle$ 1-208-838-91	RES,CHIP 220K	0.50% 1/10W	R1290	1-216-041-00	RES,CHIP 470	5% 1/10W
R533	1-215-878-00	METAL 33K	5% 1W F	R1291	1-216-045-00	RES,CHIP 680	5% 1/10W
R535	1-216-103-00	RES,CHIP 180K	5% 1/10W	R1292	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R541	1-249-377-11	CARBON 0.47	5% 1/4W F	R1293	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R542	1-249-397-11	CARBON 22	5% 1/4W F	R1294	1-216-049-91	RES,CHIP 1K	5% 1/10W
R546	1-215-451-00	METAL 18K	1% 1/4W	R1295	1-216-049-91	RES,CHIP 1K	5% 1/10W
R1234	1-249-441-11	CARBON 100K	5% 1/4W	R1296	1-216-025-91	RES,CHIP 100	5% 1/10W
R1240	1-216-022-00	RES,CHIP 75	5% 1/10W	R1407	1-216-073-00	RES,CHIP 10K	5% 1/10W
R1241	1-216-022-00	RES,CHIP 75	5% 1/10W	R1410	1-216-121-91	RES,CHIP 1M	5% 1/10W
R1242	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R1411	1-216-073-00	RES,CHIP 10K	5% 1/10W
R1243	1-249-441-11	CARBON 100K	5% 1/4W	R1412	1-216-081-00	RES,CHIP 22K	5% 1/10W
R1244	1-216-022-00	RES,CHIP 75	5% 1/10W	R1413	1-216-089-91	RES,CHIP 47K	5% 1/10W
R1245	1-216-113-00	RES,CHIP 470K	5% 1/10W	R1414	1-216-089-91	RES,CHIP 47K	5% 1/10W
R1246	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R1415	1-216-025-91	RES,CHIP 100	5% 1/10W
R1247	1-216-113-00	RES,CHIP 470K	5% 1/10W	R1418	1-216-081-00	RES,CHIP 22K	5% 1/10W
R1248	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R1419	1-216-089-91	RES,CHIP 47K	5% 1/10W
R1249	1-216-022-00	RES,CHIP 75	5% 1/10W	R1420	1-216-089-91	RES,CHIP 47K	5% 1/10W
R1250	1-216-113-00	RES,CHIP 470K	5% 1/10W	R1421	1-216-025-91	RES,CHIP 100	5% 1/10W
R1251	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R1424	1-247-815-91	CARBON 220	5% 1/4W
R1252	1-216-113-00	RES,CHIP 470K	5% 1/10W	R1425	1-247-815-91	CARBON 220	5% 1/4W
R1253	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	<b>TRANSFORMER</b>			
R1254	1-216-113-00	RES,CHIP 470K	5% 1/10W	T502	$\triangle$ 1-429-408-11	TRANSFORMER, FERRITE (PMT)	
R1255	1-216-049-91	RES,CHIP 1K	5% 1/10W	T503	$\triangle$ X-4560-159-1	FBT ASSY, NX-3005/JIC4	
R1256	1-216-113-00	RES,CHIP 470K	5% 1/10W	T504	1-413-059-00	TRANSFORMER, FERRITE (DFT)	
R1257	1-216-049-91	RES,CHIP 1K	5% 1/10W				
R1258	1-216-061-00	RES,CHIP 3.3K	5% 1/10W				
R1259	1-216-097-91	RES,CHIP 100K	5% 1/10W				
R1260	1-216-061-00	RES,CHIP 3.3K	5% 1/10W				
R1261	1-216-033-00	RES,CHIP 220	5% 1/10W				
R1262	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1263	1-216-033-00	RES,CHIP 220	5% 1/10W				
R1264	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1265	1-216-033-00	RES,CHIP 220	5% 1/10W				
R1266	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1267	1-216-295-91	SHORT					
R1268	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1270	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1273	1-216-033-00	RES,CHIP 220	5% 1/10W				
R1274	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1277	1-247-815-91	CARBON 220	5% 1/4W				
R1278	1-247-815-91	CARBON 220	5% 1/4W				
R1280	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1282	1-216-025-91	RES,CHIP 100	5% 1/10W				
R1283	1-247-791-91	CARBON 22	5% 1/4W				
R1284	1-247-807-31	CARBON 100	5% 1/4W				
R1286	1-216-049-91	RES,CHIP 1K	5% 1/10W				
R1287	1-216-049-91	RES,CHIP 1K	5% 1/10W				

**Note:**

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

**Note:**

The components identified by  $\boxtimes$  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.

**Variant Parts Listing**

The parts on this page belong to the following model(s) only:

**KV-35S66**

**A**

**REF.NO. PART NO. DESCRIPTION REMARK**

**A-Board Variant Parts List  
KV-35S66**

REF.NO.	PART NO.	DESCRIPTION	REMARK
	* A-1298-897-A	A COMPLETE PC BOARD	
		<b>CAPACITOR</b>	
C069	1-126-964-11	ELECT 10 $\mu$ H	20% 50V
C090	1-137-368-11	FILM 0.0047 $\mu$ H	5% 50V
C360	1-126-956-91	ELECT 0.1 $\mu$ H	20% 50V
C361	1-126-956-91	ELECT 0.1 $\mu$ H	20% 50V
C362	1-126-956-91	ELECT 0.1 $\mu$ H	20% 50V
C370	1-163-035-00	CERAMIC 0.047 $\mu$ H	50V
C461	1-126-933-11	ELECT 100 $\mu$ H	20% 16V
C513	$\triangle$ 1-129-720-00	FILM 0.033 $\mu$ H	5% 630V
C514	$\triangle$ 1-136-540-11	FILM 0.82 $\mu$ H	5% 200V
C520	1-101-821-00	CERAMIC 0.0022 $\mu$ H	500V
C521	1-164-182-11	CERAMIC 0.0033 $\mu$ H	10% 50V
C537	1-126-942-61	ELECT 1000 $\mu$ H	20% 25V
C539	1-126-942-61	ELECT 1000 $\mu$ H	20% 25V
C542	1-106-383-00	MYLAR 0.047 $\mu$ H	10% 200V
		<b>CONNECTOR</b>	
CN271	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P	
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P	
CN1941 *	1-564-511-11	PLUG, CONNECTOR 8P	
CN3003 *	1-691-616-11	CONNECTOR, BOARD TO BOARD 15P	
		<b>DIODE</b>	
D368	8-719-991-33	DIODE 1SS133T-77	
		<b>CHIP CONDUCTOR</b>	
JR001	1-216-295-91	SHORT	
JR1417	1-216-295-91	SHORT	
		<b>COIL</b>	
L461	1-408-602-31	INDUCTOR 8.2 $\mu$ H	
L541	1-406-677-11	INDUCTOR 10 $\mu$ H	
		<b>TRANSISTOR</b>	
Q018	8-729-422-27	TRANSISTOR 2SD601A-Q	
		<b>RESISTOR</b>	
R006	1-247-815-91	CARBON 220	5% 1/4W
R008	1-247-815-91	CARBON 220	5% 1/4W
R012	1-216-033-00	RES,CHIP 220	5% 1/10W
R031	1-247-815-91	CARBON 220	5% 1/4W
R040	1-247-815-91	CARBON 220	5% 1/4W
R041	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R042	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R044	1-216-033-00	RES,CHIP 220	5% 1/10W
R045	1-247-815-91	CARBON 220	5% 1/4W
R069	1-216-073-00	RES,CHIP 10K	5% 1/10W
R074	1-216-025-91	RES,CHIP 100	5% 1/10W
R075	1-216-025-91	RES,CHIP 100	5% 1/10W

**REF.NO. PART NO. DESCRIPTION REMARK**

R085	1-216-073-00	RES,CHIP 10K	5% 1/10W
R090	1-216-033-00	RES,CHIP 220	5% 1/10W
R102	1-216-089-91	RES,CHIP 47K	5% 1/10W
R104	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R358	1-247-815-91	CARBON 220	5% 1/4W
R359	1-247-815-91	CARBON 220	5% 1/4W
R360	1-247-815-91	CARBON 220	5% 1/4W
R365	1-216-097-91	RES,CHIP 100K	5% 1/10W
R374	1-216-121-91	RES,CHIP 1M	5% 1/10W
R386	1-216-049-91	RES,CHIP 1K	5% 1/10W
R466	1-249-388-11	CARBON 3.9	5% 1/4W F
R469	1-216-055-00	RES,CHIP 1.8K	5% 1/10W
R472	1-216-055-00	RES,CHIP 1.8K	5% 1/10W
R511	1-215-886-11	METAL 100	5% 2W F
R515	1-216-077-91	RES,CHIP 15K	5% 1/10W
R523	1-216-071-00	RES,CHIP 8.2K	5% 1/10W
R529	1-208-812-11	RES,CHIP 18K	0.50% 1/10W
$\boxtimes$ R531	$\triangle$ 1-208-838-91	RES,CHIP 220K	0.50% 1/10W
R533	1-215-878-00	METAL 33K	5% 1W F
R535	1-216-103-00	RES,CHIP 180K	5% 1/10W
R541	1-249-377-11	CARBON 0.47	5% 1/4W F
R542	1-249-397-11	CARBON 22	5% 1/4W F
R546	1-215-451-00	METAL 18K	1% 1/4W
		<b>TRANSFORMER</b>	
T502	$\triangle$ 1-429-408-11	TRANSFORMER, FERRITE (PMT)	
T503	$\triangle$ X-4560-159-1	FBT ASSY, NX-3005/JIC4	
T504	1-413-059-00	TRANSFORMER, FERRITE (DFT)	

**A****Variant Parts Listing**

The parts on this page belong to the following model(s) only:  
**KV-35V42**

**Note:**

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

**Note:**

The components identified by  $\boxtimes$  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
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### A-Board Variant Parts List KV-35V42

\* A-1298-898-A A COMPLETE PC BOARD

**CAPACITOR**

C069	1-126-964-11	ELECT	10 $\mu$ F	20%	50V
C076	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C077	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
C370	1-163-035-00	CERAMIC	0.047 $\mu$ F		50V
C375	1-165-319-11	CERAMIC	0.1 $\mu$ F		50V

C461	1-126-933-11	ELECT	100 $\mu$ F	20%	16V
C513	$\triangle$ 1-129-720-00	FILM	0.033 $\mu$ F	5%	630V
C514	$\triangle$ 1-136-540-11	FILM	0.82 $\mu$ F	5%	200V
C520	1-101-821-00	CERAMIC	0.0022 $\mu$ F		500V
C521	1-164-182-11	CERAMIC	0.0033 $\mu$ F	10%	50V

C537	1-126-942-61	ELECT	1000 $\mu$ F	20%	25V
C539	1-126-942-61	ELECT	1000 $\mu$ F	20%	25V
C542	1-106-383-00	MYLAR	0.047 $\mu$ F	10%	200V

**CONNECTOR**

CN271	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P			
CN1231 *	1-564-511-11	PLUG, CONNECTOR 8P			
CN1941 *	1-564-511-11	PLUG, CONNECTOR 8P			

**DIODE**

D1247	8-719-110-17	DIODE	RD10ESB2		
D1261	8-719-110-17	DIODE	RD10ESB2		
D1262	8-719-110-17	DIODE	RD10ESB2		

**JACK**

J1234	1-774-750-11	JACK BLOCK, PIN			
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**CHIP CONDUCTOR**

JR200	1-216-295-91	SHORT			
JR351	1-216-295-91	SHORT			
JR352	1-216-295-91	SHORT			
JR1264	1-216-295-91	SHORT			
JR1417	1-216-295-91	SHORT			

**COIL**

L461	1-410-472-41	INDUCTOR	15 $\mu$ H		
L541	1-406-677-11	INDUCTOR	10 $\mu$ H		
L1401	1-410-494-11	INDUCTOR	1 $\mu$ H		

**TRANSISTOR**

Q1231	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1232	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q1261	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R			
Q1262	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R			
Q1263	8-729-120-28	TRANSISTOR 2SC1623-L5L6			

**RESISTOR**

R044	1-216-049-91	RES,CHIP	1K	5%	1/10W
R069	1-216-073-00	RES,CHIP	10K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
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R074	1-216-033-00	RES,CHIP	220	5%	1/10W
R075	1-216-033-00	RES,CHIP	220	5%	1/10W
R085	1-216-073-00	RES,CHIP	10K	5%	1/10W
R089	1-216-033-00	RES,CHIP	220	5%	1/10W
R098	$\triangle$ 1-249-385-11	CARBON	2.2	5%	1/4W F

R365	1-216-097-91	RES,CHIP	100K	5%	1/10W
R374	1-216-121-91	RES,CHIP	1M	5%	1/10W
R466	1-249-388-11	CARBON	3.9	5%	1/4W F
R469	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R472	1-216-065-91	RES,CHIP	4.7K	5%	1/10W

R511	1-215-886-11	METAL	100	5%	2W F
R515	1-216-077-91	RES,CHIP	15K	5%	1/10W
R523	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R529	1-208-812-11	RES,CHIP	18K	0.50%	1/10W
$\boxtimes$ R531	$\triangle$ 1-208-838-91	RES,CHIP	220K	0.50%	1/10W

R533	1-215-878-00	METAL	33K	5%	1W F
R535	1-216-103-00	RES,CHIP	180K	5%	1/10W
R541	1-249-377-11	CARBON	0.47	5%	1/4W F
R542	1-249-397-11	CARBON	22	5%	1/4W F
R546	1-215-451-00	METAL	18K	1%	1/4W
R1255	1-216-295-91	SHORT			

**TRANSFORMER**

T502	$\triangle$ 1-429-408-11	TRANSFORMER, FERRITE (PMT)			
T503	$\triangle$ X-4560-159-1	FBT ASSY, NX-3005/JIC4			
T504	1-413-059-00	TRANSFORMER, FERRITE (DFT)			

**Note:**

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

**Note:**

Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A	V	B
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**Complete Parts Listing**

REFNO.	PARTNO.	DESCRIPTION	REMARK	REFNO.	PARTNO.	DESCRIPTION	REMARK
<b>AV</b>				<b>RESISTOR</b>			
	* A-1298-612-A	AV COMPLETE PC BOARD (KV-32S66/35S66 ONLY)		R101	$\triangle$ 1-216-065-91	RES,CHIP 4.7K	5% 1/10W
<b>CAPACITOR</b>				R102	1-216-083-00	RES,CHIP 27K	5% 1/10W
C101	1-126-960-11	ELECT 1 $\mu$ F 20% 50V		R103	1-216-689-11	RES,CHIP 39K	5% 1/10W
C102	1-164-161-11	CERAMIC 0.0022 $\mu$ F 10% 50V		R104	1-216-045-00	RES,CHIP 680	5% 1/10W
C104	1-126-964-11	ELECT 10 $\mu$ F 20% 50V		R106	1-216-081-00	RES,CHIP 22K	5% 1/10W
C106	1-104-664-11	ELECT 47 $\mu$ F 20% 25V		R107	1-216-081-00	RES,CHIP 22K	5% 1/10W
C108	1-126-933-11	ELECT 100 $\mu$ F 20% 16V		R108	1-216-081-00	RES,CHIP 22K	5% 1/10W
C109	1-163-259-91	CERAMIC 220pF 5% 50V		R109	1-216-081-00	RES,CHIP 22K	5% 1/10W
C110	1-104-760-11	CERAMIC 0.047 $\mu$ F 10% 50V		R112	1-216-057-00	RES,CHIP 2.2K	5% 1/10W
C111	1-126-960-11	ELECT 1 $\mu$ F 20% 50V		R113	1-216-097-91	RES,CHIP 100K	5% 1/10W
C113	1-126-934-11	ELECT 220 $\mu$ F 20% 16V		R114	1-216-121-91	RES,CHIP 1M	5% 1/10W
C1904	1-102-129-00	CERAMIC 0.01 $\mu$ F 10% 50V		R115	1-216-073-00	RES,CHIP 10K	5% 1/10W
C1905	1-126-964-11	ELECT 10 $\mu$ F 20% 50V		R116	1-216-073-00	RES,CHIP 10K	5% 1/10W
C1906	1-102-129-00	CERAMIC 0.01 $\mu$ F 10% 50V		R117	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
C1907	1-126-964-11	ELECT 10 $\mu$ F 20% 50V		R118	1-216-295-91	SHORT	
C1908	1-163-009-11	CERAMIC 0.001 $\mu$ F 10% 50V		R121	1-216-049-91	RES,CHIP 1K	5% 1/10W
C1909	1-163-009-11	CERAMIC 0.001 $\mu$ F 10% 50V		R125	1-216-043-91	RES,CHIP 560	5% 1/10W
<b>CONNECTOR</b>				R126	1-216-045-00	RES,CHIP 680	5% 1/10W
CN101	1-573-301-21	CONNECTOR,BOARD 20P		R1904	1-216-073-00	RES,CHIP 10K	5% 1/10W
CN102	1-573-979-21	CONNECTOR,BOARD 11P		R1905	1-216-073-00	RES,CHIP 10K	5% 1/10W
CN103	1-564-507-11	PLUG,CONNECTOR 4P		R2904	1-216-033-00	RES,CHIP 220	5% 1/10W
CN106	1-564-506-11	PLUG,CONNECTOR 3P		R2905	1-216-033-00	RES,CHIP 220	5% 1/10W
<b>DIODE</b>				R2909	1-216-073-00	RES,CHIP 10K	5% 1/10W
D101	8-719-109-89	DIODE RD5.6ESB2		R2910	1-216-073-00	RES,CHIP 10K	5% 1/10W
D103	8-719-991-33	DIODE 1SS133T-77		R2912	1-216-073-00	RES,CHIP 10K	5% 1/10W
D104	8-719-991-33	DIODE 1SS133T-77		R2913	1-216-073-00	RES,CHIP 10K	5% 1/10W
D105	8-719-991-33	DIODE 1SS133T-77		R2914	1-216-073-00	RES,CHIP 10K	5% 1/10W
D106	8-719-991-33	DIODE 1SS133T-77		<b>TUNER</b>			
<b>IC</b>				TU101	$\triangle$ 8-598-430-00	TUNER, FSS BTF-FA401	
IC1901	8-752-058-68	IC CXA1315M-T4		<b>B</b>			
IC1902	8-759-470-63	IC NJM2145M-TE2		* A-1135-949-A	B, COMPLETE PC BOARD (KV-32S66/35S66)		
<b>CHIP CONDUCTOR</b>				* A-1135-948-A	B, COMPLETE PC BOARD (KV-32V42/35V42)		
JR102	1-216-295-91	SHORT		* A-1135-950-A	B, COMPLETE PC BOARD (KV-32S42/35S42)		
JR103	1-216-295-91	SHORT		<b>CAPACITOR</b>			
<b>COIL</b>				C3501	1-104-664-11	ELECT 47 $\mu$ F 20% 25V	
L102	1-410-470-11	INDUCTOR 10 $\mu$ H		C3502	1-163-231-11	CERAMIC 15pF 5% 50V	
L105	1-408-421-00	INDUCTOR 100 $\mu$ H		C3503	1-163-021-91	CERAMIC 0.01 $\mu$ F 10% 50V	
<b>TRANSISTOR</b>				C3504	1-126-964-11	ELECT 10 $\mu$ F 20% 50V	
Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE		C3505	1-163-131-00	CERAMIC 390pF 5% 50V	
Q103	8-729-216-22	TRANSISTOR 2SA1162-G		C3506	1-163-021-91	CERAMIC 0.01 $\mu$ F 10% 50V	
Q104	8-729-216-22	TRANSISTOR 2SA1162-G		C3507	1-126-963-11	ELECT 4.7 $\mu$ F 20% 50V	
Q105	8-729-216-22	TRANSISTOR 2SA1162-G		C3508	1-163-021-91	CERAMIC 0.01 $\mu$ F 10% 50V	
Q106	8-729-422-27	TRANSISTOR 2SD601A-Q		C3509	1-126-961-11	ELECT 2.2 $\mu$ F 20% 50V	
Q1901	8-729-216-22	TRANSISTOR 2SA1162-G		C3510	1-163-229-11	CERAMIC 12pF 5% 50V	
Q1902	8-729-216-22	TRANSISTOR 2SA1162-G		C3511	1-126-960-11	ELECT 1 $\mu$ F 20% 50V	
				C3512	1-163-133-00	CERAMIC 470pF 5% 50V	
				C3513	1-163-131-00	CERAMIC 390pF 5% 50V	

**B****Complete Parts Listing****Note:**

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

**Note:**

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C3514	1-163-009-11	CERAMIC	0.001 $\mu$ F 10%	50V	IC3503	8-759-231-53	IC L7805CV
C3515	1-126-963-11	ELECT	4.7 $\mu$ F 20%	50V	<b>COIL</b>		
C3516	1-163-089-00	CERAMIC	6pF 0.50%	50V	L3501	1-410-470-11	INDUCTOR 10 $\mu$ H
C3517	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	L3502	1-410-466-41	INDUCTOR 4.7 $\mu$ H
C3518	1-126-941-11	ELECT	470 $\mu$ F 20%	25V	L3503	1-410-470-11	INDUCTOR 10 $\mu$ H
C3519	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	L3504	1-410-470-11	INDUCTOR 10 $\mu$ H
C3520	1-163-133-00	CERAMIC	470pF 5%	50V	L3505	1-410-470-11	INDUCTOR 10 $\mu$ H
C3521	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	<b>TRANSISTOR</b>		
C3522	1-126-964-11	ELECT	10 $\mu$ F 20%	50V	Q3501	8-729-422-27	TRANSISTOR 2SD601A-Q
C3523	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	Q3502	8-729-216-22	TRANSISTOR 2SA1162-G
C3524	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	Q3503	8-729-422-27	TRANSISTOR 2SD601A-Q
C3525	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	Q3504	8-729-216-22	TRANSISTOR 2SA1162-G
C3526	1-163-038-91	CERAMIC	0.1 $\mu$ F	25V	Q3505	8-729-422-27	TRANSISTOR 2SD601A-Q
C3527	1-163-038-91	CERAMIC	0.1 $\mu$ F	25V	Q3506	8-729-216-22	TRANSISTOR 2SA1162-G
C3528	1-164-222-11	CERAMIC	0.22 $\mu$ F	25V	Q3507	8-729-216-22	TRANSISTOR 2SA1162-G
C3529	1-163-038-91	CERAMIC	0.1 $\mu$ F	25V	Q3509	8-729-216-22	TRANSISTOR 2SA1162-G
C3532	1-164-004-11	CERAMIC	0.1 $\mu$ F 10%	25V	Q3510	8-729-422-27	TRANSISTOR 2SD601A-Q
C3533	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	Q3516	8-729-216-22	TRANSISTOR 2SA1162-G
C3534	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	Q3555	8-729-216-22	TRANSISTOR 2SA1162-G
C3535	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	<b>RESISTOR</b>		
C3536	1-126-964-11	ELECT	10 $\mu$ F 20%	50V	R3501	1-216-091-00	RES,CHIP 56K 5% 1/10W
C3537	1-163-231-11	CERAMIC	15pF 5%	50V	R3502	1-216-081-00	RES,CHIP 22K 5% 1/10W
C3538	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	R3503	1-216-009-91	RES,CHIP 22 5% 1/10W
C3539	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	R3504	1-216-029-00	RES,CHIP 150 5% 1/10W
C3540	1-163-231-11	CERAMIC	15pF 5%	50V	R3505	1-216-037-00	RES,CHIP 330 5% 1/10W
C3541	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	R3506	1-216-035-00	RES,CHIP 270 5% 1/10W
C3542	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	R3507	1-216-057-00	RES,CHIP 2.2K 5% 1/10W
C3543	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	R3508	1-216-043-91	RES,CHIP 560 5% 1/10W
C3544	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	R3509	1-216-075-00	RES,CHIP 12K 5% 1/10W
C3545	1-164-004-11	CERAMIC	0.1 $\mu$ F 10%	25V	R3510	1-216-049-91	RES,CHIP 1K 5% 1/10W
C3548	1-164-004-11	CERAMIC	0.1 $\mu$ F 10%	25V	R3511	1-216-065-91	RES,CHIP 4.7K 5% 1/10W
C3549	1-126-964-11	ELECT	10 $\mu$ F 20%	50V	R3512	1-216-065-91	RES,CHIP 4.7K 5% 1/10W
C3550	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	R3513	1-216-041-00	RES,CHIP 470 5% 1/10W
C3551	1-163-021-91	CERAMIC	0.01 $\mu$ F 10%	50V	R3514	1-216-121-91	RES,CHIP 1M 5% 1/10W
C3553	1-126-941-11	ELECT	470 $\mu$ F 20%	25V	R3515	1-216-077-91	RES,CHIP 15K 5% 1/10W
C3556	1-128-551-11	ELECT	22 $\mu$ F 20%	25V	R3516	1-216-037-00	RES,CHIP 330 5% 1/10W
C3558	1-126-956-91	ELECT	0.1 $\mu$ F 20%	50V	R3517	1-216-077-91	RES,CHIP 15K 5% 1/10W
<b>CONNECTOR</b>				R3518	1-216-067-00	RES,CHIP 5.6K 5% 1/10W	
CN3502	1-573-978-21	CONNECTOR,BOARD TO BOARD 11P	(KV-32S66/35S66 ONLY)	R3520	1-208-766-11	RES,CHIP 220 0.50% 1/10W	
CN3561 *	1-691-616-21	CONNECTOR,BOARD TO BOARD 15P	(KV-32V42/S66/35V42/S66 ONLY)	R3521	1-208-766-11	RES,CHIP 220 0.50% 1/10W	
CN3570	1-573-301-21	CONNECTOR,BOARD TO BOARD 20P	(KV-32S42/35S42 ONLY)	R3522	1-208-774-11	RES,CHIP 470 0.50% 1/10W	
<b>FILTER</b>				R3523	1-208-778-11	RES,CHIP 680 0.50% 1/10W	
FL3501	1-239-847-11	FILTER,LOW PASS		R3524	1-208-794-11	RES,CHIP 3.3K 0.50% 1/10W	
FL3502	1-239-847-11	FILTER,LOW PASS		R3529	1-216-295-91	SHORT	
FL3503	1-239-847-11	FILTER,LOW PASS		R3531	1-216-295-91	SHORT	
<b>IC</b>				R3534	1-216-295-91	SHORT	
IC3501	8-759-065-82	IC MM1093ND		R3535	1-216-295-91	SHORT	
IC3502	8-752-385-80	IC CXD2073S		R3536	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
				R3537	1-216-043-91	RES,CHIP 560 5% 1/10W	
				R3538	1-216-071-00	RES,CHIP 8.2K 5% 1/10W	
				R3539	1-216-089-91	RES,CHIP 47K 5% 1/10W	
				R3540	1-216-049-91	RES,CHIP 1K 5% 1/10W	

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**Note:**

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**Complete Parts Listing**

REFNO.	PARTNO.	DESCRIPTION	REMARK	REFNO.	PARTNO.	DESCRIPTION	REMARK
R3541	1-216-081-00	RES,CHIP 22K	5% 1/10W	<b>IC</b>			
R3542	1-216-041-00	RES,CHIP 470	5% 1/10W	IC1701	$\Delta$ 8-759-562-43	IC TDA6108JF/N1B	
R3543	1-216-035-00	RES,CHIP 270	5% 1/10W	<b>JACK</b>			
R3544	1-216-057-00	RES,CHIP 2.2K	5% 1/10W	J1761	$\Delta$ 1-251-388-11	SOCKET, CRT	
R3545	1-216-043-91	RES,CHIP 560	5% 1/10W	<b>COIL</b>			
R3546	1-216-071-00	RES,CHIP 8.2K	5% 1/10W	L1790	1-412-537-31	INDUCTOR 100 $\mu$ H	
R3547	1-216-089-91	RES,CHIP 47K	5% 1/10W	<b>TRANSISTOR</b>			
R3548	1-216-081-00	RES,CHIP 22K	5% 1/10W	Q1790	8-729-119-76	TRANSISTOR 2SA1175-HFE	
R3549	1-216-049-91	RES,CHIP 1K	5% 1/10W	<b>RESISTOR</b>			
R3550	1-208-774-11	RES,CHIP 470	0.50% 1/10W	R1750	1-247-870-11	CARBON 43K 5% 1/4W	
R3551	1-208-764-11	RES,CHIP 180	0.50% 1/10W	R1763	1-260-099-11	CARBON 1K 5% 1/2W	
R3558	1-216-049-91	RES,CHIP 1K	5% 1/10W	R1764	1-247-807-31	CARBON 100 5% 1/4W	
R3565	1-216-295-91	SHORT		R1773	1-260-099-11	CARBON 1K 5% 1/2W	
R3566	1-216-025-91	RES,CHIP 100	5% 1/10W	R1774	1-247-807-31	CARBON 100 5% 1/4W	
R3568	1-216-025-91	RES,CHIP 100	5% 1/10W	R1783	1-260-099-11	CARBON 1K 5% 1/2W	
R3569	1-216-041-00	RES,CHIP 470	5% 1/10W	R1784	1-247-807-31	CARBON 100 5% 1/4W	
R3578	1-216-081-00	RES,CHIP 22K	5% 1/10W	R1788	1-216-349-00	METAL 1 5% 1W	F
R3579	1-216-081-00	RES,CHIP 22K	5% 1/10W	R1789	1-249-437-11	CARBON 47K 5% 1/4W	
R3580	1-216-295-91	SHORT		R1790	1-216-369-00	METAL 1 5% 2W	F
R3596	1-216-057-00	RES,CHIP 2.2K	5% 1/10W			(KV-35S42/S66/V42 ONLY)	
R3597	1-216-057-00	RES,CHIP 2.2K	5% 1/10W	R1790	1-216-378-11	METAL 5.6 5% 2W	F
R3599	1-208-774-11	RES,CHIP 470	0.50% 1/10W			(KV-32S42/S66/V42 ONLY)	
<b>CRYSTAL</b>				R1792	1-247-815-91	CARBON 220 5% 1/4W	
X3501	1-567-505-11	OSCILLATOR,CRYSTAL		R1793	1-247-866-11	CARBON 30K 5% 1/4W	
<b>C</b>				R1794	1-260-132-11	CARBON 560K 5% 1/2W	
						(KV-35S42/S66/V42 ONLY)	
	* A-1331-843-A	C BOARD, COMPLETE (KV-35S42/3566/35V42)		R1795	1-260-087-11	CARBON 100 5% 1/2W	
	* A-1331-837-A	C BOARD, COMPLETE (KV-32S42/32S66/32V42)		R1796	1-216-369-00	METAL 1 5% 2W	F
	4-382-854-11	SCREW (M3X10), P, SW (+)				(KV-35S42/S66/V42 ONLY)	
<b>CAPACITOR</b>				R1796	1-216-378-11	METAL 5.6 5% 2W	F
C1750	1-137-528-11	FILM 0.1 $\mu$ F 10% 250V				(KV-32S42/S66/V42 ONLY)	
C1751	1-107-655-11	ELECT 47 $\mu$ F 20% 250V		R1797	1-260-123-11	CARBON 100K 5% 1/2W	
C1790	1-102-129-00	CERAMIC 0.01 $\mu$ F 10% 50V		<b>G</b>			
C1791	1-126-968-11	ELECT 100 $\mu$ F 20% 50V					
C1792	1-102-106-00	CERAMIC 100pF 10% 50V		* A-1316-399-A	G BOARD, COMPLETE (KV-35S42/35S66/35V42)		
C1794	1-107-651-11	ELECT 4.7 $\mu$ F 20% 250V		* A-1316-389-A	G BOARD, COMPLETE (KV-32S42/32S66/32V42)		
		(KV-35S42/S66/V42 ONLY)		1-533-223-11	HOLDER,FUSE		
C1795	1-102-074-00	CERAMIC 0.001 $\mu$ F 10% 50V		4-382-854-11	SCREW(M3X10),P,SW(+)		
C1799	1-162-114-00	CERAMIC 0.0047 $\mu$ F 2KV		<b>CAPACITOR</b>			
<b>CONNECTOR</b>				C601	1-136-346-21	FILM 0.22 $\mu$ F 20% 125V	
CN1761	* 1-564-509-11	PLUG, CONNECTOR 6P				(KV-35S42/S66/V42 ONLY)	
CN1764	* 1-564-508-11	PLUG, CONNECTOR 5P		C602	1-126-964-11	ELECT 10 $\mu$ F 20% 50V	
CN1766	1-695-915-11	TAB (CONTACT)		C603	$\Delta$ 1-113-903-11	CERAMIC 0.001 $\mu$ F 20% 250V	
<b>DIODE</b>				C604	$\Delta$ 1-136-346-21	FILM 0.22 $\mu$ F 20% 125V	
D1790	8-719-991-33	DIODE 1SS133T-77		C605	$\Delta$ 1-136-346-21	FILM 0.22 $\mu$ F 20% 125V	
D1791	8-719-908-03	DIODE GP08D		C606	$\Delta$ 1-117-894-11	ELECT 560 $\mu$ F 20% 250V	
D1792	8-719-908-03	DIODE GP08D (KV-35S42/S66/V42 ONLY)		C607	$\Delta$ 1-117-894-11	ELECT 560 $\mu$ F 20% 250V	
D1793	8-719-908-03	DIODE GP08D		C608	1-165-127-11	CERAMIC 470pF 10% 500V	
D1794	8-719-908-03	DIODE GP08D					



## Complete Parts Listing

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C609	1-136-175-00	FILM	0.68 $\mu$ F 5%	50V	D622	8-719-911-55	DIODE U05G
C610	1-136-175-00	FILM	0.68 $\mu$ F 5%	50V	D623	8-719-948-45	DIODE ERA22-08
C611	1-136-169-00	FILM	0.22 $\mu$ F 5%	50V	D624	8-719-991-33	DIODE 1SS133T-77
C612	1-136-169-00	FILM	0.22 $\mu$ F 5%	50V	D625	8-719-991-33	DIODE 1SS133T-77
C613	1-164-646-11	CERAMIC	2200pF 10%	500V	D626	8-719-109-93	DIODE RD6.2ESB2
C615	1-129-722-00	FILM	0.047 $\mu$ F 5%	630V	D627	8-719-510-48	DIODE D1N20R
C616	$\triangle$ 1-113-903-11	CERAMIC	0.001 $\mu$ F 20%	250V	D628	8-719-063-70	DIODE D1NL20U
C624	1-126-961-11	ELECT	2.2 $\mu$ F 20%	50V	D641	8-719-052-92	DIODE D10SBS4F
C628	1-119-907-51	CERAMIC	4700pF 20%	250V	D642	8-719-510-12	DIODE D10SC4M
C629	1-107-680-91	ELECT	22 $\mu$ F 20%	450V	D643	8-719-028-45	DIODE D2L20U
C630	1-130-471-00	MYLAR	0.001 $\mu$ F 5%	50V	D644	8-719-028-45	DIODE D2L20U
C631	1-137-605-11	FILM	0.01 $\mu$ F 10%	250V	D645	8-719-028-45	DIODE D2L20U
C633	1-130-471-00	MYLAR	0.001 $\mu$ F 5%	50V	D646	8-719-028-45	DIODE D2L20U
C634	1-130-467-00	MYLAR	470pF 5%	50V	D647	8-719-063-70	DIODE D1NL20U
C635	1-130-471-00	MYLAR	0.001 $\mu$ F 5%	50V	D648	$\triangle$ 8-719-057-52	DIODE EZ0150AV1
C636	1-126-965-11	ELECT	22 $\mu$ F 20%	50V	D649	8-719-510-02	DIODE D1NS4
C637	1-126-940-11	ELECT	330 $\mu$ F 20%	25V	D650	8-719-510-02	DIODE D1NS4
C640	1-119-907-51	CERAMIC	4700pF 20%	250V	<b>FUSE</b>		
C641	1-128-550-11	ELECT	2200 $\mu$ F 20%	50V	F601	$\triangle$ 1-576-193-11	FUSE 6.3A/125V
C643	1-107-641-11	ELECT	220 $\mu$ F 20%	160V	<b>FERRITE BEAD</b>		
C647	1-104-665-11	ELECT	100 $\mu$ F 20%	25V	FB601	1-410-396-41	FERRITE 0.45 $\mu$ H
C650	1-104-664-11	ELECT	47 $\mu$ F 20%	25V	FB602	1-410-396-41	FERRITE 0.45 $\mu$ H
C651	1-137-366-11	FILM	0.0022 $\mu$ F 5%	50V	FB603	1-410-396-41	FERRITE 0.45 $\mu$ H
C652	1-106-351-00	MYLAR	0.0022 $\mu$ F 20%	200V	FB604	1-410-396-41	FERRITE 0.45 $\mu$ H
C653	1-107-636-11	ELECT	10 $\mu$ F 20%	160V	FB641	1-410-397-21	FERRITE 1.1 $\mu$ H
C654	1-164-625-11	CERAMIC	680pF 10%	500V	FB642	1-410-397-21	FERRITE 1.1 $\mu$ H
C655	1-164-625-11	CERAMIC	680pF 10%	500V	FB645	1-410-397-21	FERRITE 1.1 $\mu$ H
C656	1-164-625-11	CERAMIC	680pF 10%	500V	FB647	1-410-397-21	FERRITE 1.1 $\mu$ H
C657	1-164-625-11	CERAMIC	680pF 10%	500V	<b>IC</b>		
C660	1-126-767-11	ELECT	1000 $\mu$ F 20%	16V	IC601	$\triangle$ 8-729-041-12	TRANSISTOR MX0841AB-F
C690	1-164-645-11	CERAMIC	1000pF 10%	500V	IC622	8-759-450-47	IC BA05T
C691	1-164-645-11	CERAMIC	1000pF 10%	500V	IC641	8-759-198-03	IC PQ09RF21
<b>CONNECTOR</b>				IC643	8-749-012-13	IC DM-58	
CN601	1-573-963-11	PIN,CONNECTOR(PC BOARD) 3P (KV-35S42/S66/V42 ONLY)		<b>COIL</b>			
CN602	1-580-844-11	PIN,CONNECTOR(POWER)		L642	1-412-529-11	INDUCTOR 22 $\mu$ H	
CN603	1-573-963-11	PIN, CONNECTOR(PC BOARD) 3P (KV-35S42/S66/V42 ONLY)		<b>TRANSISTOR</b>			
CN604	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P (KV-32S42/S66/V42 ONLY)		Q621	$\triangle$ 8-729-044-30	TRANSISTOR 2SK2845-LB102	
CN641	1-564-515-11	PLUG,CONNECTOR 12P		Q622	$\triangle$ 8-729-119-78	TRANSISTOR 2SC2785-HFE	
CN643	1-508-784-00	PIN,CONNECTOR(5MM PITCH) 1P		Q644	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<b>DIODE</b>				Q645	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D600	8-719-991-33	DIODE	1SS133T-77	Q646	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D601	8-719-991-33	DIODE	1SS133T-77	Q647	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D602	$\triangle$ 8-719-510-53	DIODE	D4SB60L	Q648	$\triangle$ 8-729-922-39	TRANSISTOR 2SD2144S-V	
D603	8-719-052-90	DIODE	D1NL40-TA2	<b>RESISTOR</b>			
D604	8-719-052-90	DIODE	D1NL40-TA2	R603	$\triangle$ 1-219-776-11	CARBON 2.2M 10% 1/2W	
D612	8-719-991-33	DIODE	1SS133T-77	R607	$\triangle$ 1-202-933-61	FUSIBLE 0.1 10% 1/2W F	
D613	8-719-991-33	DIODE	1SS133T-77	R608	1-216-373-11	METAL 2.2 5% 2W F	
D614	8-719-991-33	DIODE	1SS133T-77	R611	1-216-373-11	METAL 2.2 5% 2W F	
D621	8-719-911-55	DIODE	U05G	R612	1-215-903-11	METAL 68K 5% 2W F	

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**Complete Parts Listing**

REFNO.	PARTNO.	DESCRIPTION	REMARK
R613	1-215-903-11	METAL 68K	5% 2W F
R614	1-215-903-11	METAL 68K	5% 2W F
R615	1-215-903-11	METAL 68K	5% 2W F
R618	1-249-425-11	CARBON 4.7K	5% 1/4W
R619	1-249-425-11	CARBON 4.7K	5% 1/4W
R620	1-249-425-11	CARBON 4.7K	5% 1/4W
R621	1-249-429-11	CARBON 10K	5% 1/4W
R622	1-247-863-91	CARBON 22K	5% 1/4W
R623	$\Delta$ 1-205-943-11	CEMENTED 1	5% 20W
R624	1-260-131-11	CARBON 470K	5% 1/2W
R625	1-260-131-11	CARBON 470K	5% 1/2W
R626	1-249-425-11	CARBON 4.7K	5% 1/4W
R627	$\Delta$ 1-220-797-11	CEMENTED 0.47	5% 10W
R628	1-240-205-91	CARBON 22M	5% 1/2W
R629	$\Delta$ 1-220-797-11	CEMENTED 0.47	5% 10W
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	$\Delta$ 1-260-302-51	CARBON 6.8	5% 1/2W
R638	1-249-413-11	CARBON 470	5% 1/4W
R639	$\Delta$ 1-249-389-11	CARBON 4.7	5% 1/4W F
R640	1-215-485-00	METAL 470K	1% 1/4W
R640	1-247-895-91	CARBON 470K	5% 1/4W
R641	1-247-843-11	CARBON 3.3K	5% 1/4W
R642	1-247-843-11	CARBON 3.3K	5% 1/4W
R643	1-249-387-11	CARBON 3.3	5% 1/4W F
R648	1-247-887-00	CARBON 220K	5% 1/4W
R649	1-249-425-11	CARBON 4.7K	5% 1/4W F
R659	1-249-429-11	CARBON 10K	5% 1/4W
R660	$\Delta$ 1-249-393-11	CARBON 10	5% 1/4W F
R661	$\Delta$ 1-249-419-11	CARBON 1.5K	5% 1/4W F
R666	$\Delta$ 1-249-377-11	CARBON 0.47	5% 1/4W F
R667	$\Delta$ 1-249-377-11	CARBON 0.47	5% 1/4W F
R668	$\Delta$ 1-249-377-11	CARBON 0.47	5% 1/4W F
R670	$\Delta$ 1-249-377-11	CARBON 0.47	5% 1/4W F
R671	$\Delta$ 1-249-377-11	CARBON 0.47	5% 1/4W F
R672	$\Delta$ 1-249-377-11	CARBON 0.47	5% 1/4W F

**RELAY**

RY600	$\Delta$ 1-755-266-11	RELAY, AC POWER
RY601	$\Delta$ 1-755-146-11	RELAY, AC POWER

**TRANSFORMER**

T601	$\Delta$ 1-426-717-11	TRANSFORMER, LINE FILTER (LFT)
T602	$\Delta$ 1-426-717-11	TRANSFORMER, LINE FILTER (LFT)
T603	$\Delta$ 1-429-992-21	TRANSFORMER, CONVERTER (PRT)
T605	$\Delta$ 1-429-415-11	TRANSFORMER, CONVERTER (PIT)
T621	$\Delta$ 1-431-852-11	TRANSFORMER, CONVERTER (SRT)

**THERMISTOR**

THP601	$\Delta$ 1-809-539-11	THERMISTOR, POSITIVE
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REFNO.	PARTNO.	DESCRIPTION	REMARK
<b>VARISTOR</b>			
VDR601	$\Delta$ 1-801-074-41	VARISTOR ERZV10D271	
VDR602	$\Delta$ 1-801-074-41	VARISTOR ERZV10D271	

**HS**

- \* A-1372-507-A HS BOARD, COMPLETE (KV-35S42/35S66 ONLY)
- \* A-1372-510-A HS BOARD, COMPLETE (KV-32V42/35V42 ONLY)
- \* A-1372-519-A HS BOARD, COMPLETE (KV-32S66 ONLY)

**CAPACITOR**

C2168	1-104-665-11	ELECT 100 $\mu$ F	20% 25V (KV-32S66 ONLY)
C2169	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V (KV-32S66 ONLY)
C2170	1-164-096-11	CERAMIC 0.01 $\mu$ F	50V (KV-32S66 ONLY)

**CONNECTOR**

CN2101	* 1-564-524-11	PLUG,CONNECTOR 9P
CN2102	* 1-564-523-11	PLUG,CONNECTOR 8P (KV-32V42/S66/35V42 ONLY)

**DIODE**

D2106	1-810-039-11	LED UNIT (KV-32S66 ONLY)
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**IC**

IC2103	8-742-134-00	HYB IC SBX1981-51P (KV-32S66 ONLY)
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**RESISTOR**

R2109	1-216-033-00	RES,CHIP 220	5% 1/10W (KV-32S66 ONLY)
R2110	1-216-033-00	RES,CHIP 220	5% 1/10W (KV-32S66 ONLY)
R2159	1-216-047-91	RES,CHIP 820	5% 1/10W (KV-32S66 ONLY)
R2160	1-216-049-91	RES,CHIP 1K	5% 1/10W (KV-32S66 ONLY)
R2161	1-216-055-00	RES,CHIP 1.8K	5% 1/10W (KV-32S66 ONLY)
R2162	1-216-065-91	RES,CHIP 4.7K	5% 1/10W (KV-32S66 ONLY)
R2163	1-216-073-00	RES,CHIP 10K	5% 1/10W (KV-32S66 ONLY)
R2164	1-216-017-91	RES,CHIP 47	5% 1/10W (KV-32S66 ONLY)

**SWITCH**

S2101	1-692-431-21	SWITCH,TACTILE (KV-32S66 ONLY)
S2102	1-692-431-21	SWITCH,TACTILE (KV-32S66 ONLY)
S2103	1-692-431-21	SWITCH,TACTILE (KV-32S66 ONLY)
S2104	1-692-431-21	SWITCH,TACTILE (KV-32S66 ONLY)
S2105	1-692-431-21	SWITCH,TACTILE (KV-32S66 ONLY)



## Complete Parts Listing

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## Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK
S2106	1-692-431-21	SWITCH,TACTILE (KV-32S66 ONLY)	
S2107	1-692-431-21	SWITCH,TACTILE (KV-32S66 ONLY)	

**HV**

- \* A-1372-523-A HV BOARD, COMPLETE (KV-35S66/35S42 ONLY)
- \* A-1372-684-A HV BOARD, COMPLETE (KV-32V42/35V42 ONLY)

**CAPACITOR**

C2068	1-104-665-11	ELECT	100 $\mu$ F	20%	25V
C2070	1-165-319-11	CERAMIC	0.1 $\mu$ F		50V
C2072	1-164-096-11	CERAMIC	0.01 $\mu$ F		50V
C2233	1-136-161-00	FILM	0.047 $\mu$ F	5%	50V
					(KV-32V42/35V42 ONLY)
C2234	1-126-960-11	ELECT	1 $\mu$ F	20%	50V
					(KV-32V42/35V42 ONLY)
C2235	1-126-960-12	ELECT	1 $\mu$ F	20%	50V
					(KV-32V42/35V42 ONLY)

**CONNECTOR**

CN2002 *	1-564-518-11	PLUG, CONNECTOR 3P			
					(KV-32V42/35V42 ONLY)

**DIODE**

D2006	1-810-039-11	LED UNIT			
D2236	8-719-110-17	RD10ESB2 (KV-32V42/35V42 ONLY)			

**IC**

IC2003	8-742-134-00	HYB IC SBX1981-51P			
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**JACK**

J2231	1-691-110-11	JACK, PIN 3P (KV-32V42/35V42 ONLY)			
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**RESISTOR**

R2003	1-216-017-91	RES,CHIP	47	5%	1/10W
R2009	1-216-033-00	RES,CHIP	220	5%	1/10W
R2010	1-216-033-00	RES,CHIP	220	5%	1/10W
R2059	1-216-047-91	RES,CHIP	820	5%	1/10W
					(KV-35S66/35S42 ONLY)
R2060	1-216-049-91	RES,CHIP	1K	5%	1/10W
					(KV-35S66/35S42 ONLY)
R2061	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
					(KV-35S66/35S42 ONLY)
R2062	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
					(KV-35S66/35S42 ONLY)
R2063	1-216-073-00	RES,CHIP	10K	5%	1/10W
					(KV-35S66/35S42 ONLY)
R2235	1-216-022-00	RES,CHIP	75	5%	1/10W
					(KV-32V42/35V42 ONLY)
R2236	1-216-113-00	RES,CHIP	470K	5%	1/10W
					(KV-32V42/35V42 ONLY)
R2237	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
					(KV-32V42/35V42 ONLY)
R2238	1-216-113-00	RES,CHIP	470K	5%	1/10W
					(KV-32V42/35V42 ONLY)
R2239	1-216-065-91	RES,CHIP	4.7K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
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(KV-32V42/35V42 ONLY)

**SWITCH**

S2001	1-692-431-21	SWITCH, TACTILE (KV-32V42/35V42 ONLY)	
S2002	1-692-431-21	SWITCH, TACTILE (KV-32V42/35V42 ONLY)	
S2003	1-692-431-21	SWITCH, TACTILE (KV-32V42/35V42 ONLY)	
S2004	1-692-431-21	SWITCH, TACTILE (KV-32V42/35V42 ONLY)	
S2005	1-692-431-21	SWITCH, TACTILE (KV-32V42/35V42 ONLY)	
S2006	1-692-431-21	SWITCH, TACTILE (KV-32V42/35V42 ONLY)	
S2007	1-692-431-21	SWITCH, TACTILE (KV-32V42/35V42 ONLY)	

**P**

- \* A-1195-154-A P BOARD, COMPLETE (KV-32S66/35S66 ONLY)

**CAPACITOR**

C3301	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3302	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3303	1-104-664-11	ELECT	47 $\mu$ F	20%	16V
C3304	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3305	1-163-135-00	CERAMIC	560pF	5%	50V
C3306	1-163-038-91	CERAMIC	0.1 $\mu$ F		25V
C3307	1-163-038-91	CERAMIC	0.1 $\mu$ F		25V
C3308	1-164-222-11	CERAMIC	0.22 $\mu$ F		25V
C3309	1-163-034-00	CERAMIC	0.033 $\mu$ F		50V
C3310	1-164-222-11	CERAMIC	0.22 $\mu$ F		25V
C3311	1-163-233-11	CERAMIC	18pF	5%	50V
C3314	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3315	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3316	1-163-133-00	CERAMIC	470pF	5%	50V
C3317	1-163-133-00	CERAMIC	470pF	5%	50V
C3319	1-163-133-00	CERAMIC	470pF	5%	50V
C3323	1-104-664-11	ELECT	47 $\mu$ F	20%	16V
C3324	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3325	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3326	1-104-664-11	ELECT	47 $\mu$ F	20%	16V
C3327	1-104-664-11	ELECT	47 $\mu$ F	20%	16V
C3328	1-104-664-11	ELECT	47 $\mu$ F	20%	16V
C3330	1-126-964-11	ELECT	10 $\mu$ F	20%	50V
C3334	1-164-005-11	CERAMIC	0.47 $\mu$ F		25V
C3335	1-163-009-11	CERAMIC	0.001 $\mu$ F	10%	50V
C3336	1-163-031-11	CERAMIC	0.01 $\mu$ F		50V
C3339	1-163-005-11	CERAMIC	470pF	10%	50V

**CONNECTOR**

CN3301 *	1-691-632-21	CONNECTOR,BOARD TO BOARD 15P			
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**DIODE**

D3301	8-719-073-01	DIODE	MA111-(K8),S0		
D3304	8-719-422-12	DIODE	MA8039		

**IC**

IC3301	8-759-599-43	IC	M65669FP-D61S		
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**Complete Parts Listing**

REFNO.	PARTNO.	DESCRIPTION	REMARK	REFNO.	PARTNO.	DESCRIPTION	REMARK
<b>COIL</b>							
L3301	1-410-682-31	INDUCTOR 470 $\mu$ H		R3358	1-216-689-11	RES,CHIP 39K	5% 1/10W
L3302	1-412-058-11	INDUCTOR 10 $\mu$ H		R3359	1-216-113-00	RES,CHIP 470K	5% 1/10W
L3303	1-412-058-11	INDUCTOR 10 $\mu$ H		R3360	1-216-051-00	RES,CHIP 1.2K	5% 1/10W
<b>TRANSISTOR</b>							
Q3304	8-729-216-22	TRANSISTOR 2SA1162-G		R3361	1-216-045-00	RES,CHIP 680	5% 1/10W
Q3305	8-729-216-22	TRANSISTOR 2SA1162-G		R3365	1-216-073-00	RES,CHIP 10K	5% 1/10W
Q3306	8-729-216-22	TRANSISTOR 2SA1162-G		R3366	1-216-049-91	RES,CHIP 1K	5% 1/10W
Q3309	8-729-422-27	TRANSISTOR 2SD601A-Q		R3367	1-216-073-00	RES,CHIP 10K	5% 1/10W
Q3310	8-729-422-27	TRANSISTOR 2SD601A-Q		R3368	1-216-049-91	RES,CHIP 1K	5% 1/10W
Q3311	8-729-111-55	TRANSISTOR 2SD1312-K		<b>CRYSTAL</b>			
Q3312	8-729-216-22	TRANSISTOR 2SA1162-G		X3301	1-781-377-11	OSCILLATOR,CRYSTAL	
Q3313	8-729-422-27	TRANSISTOR 2SD601A-Q		<b>UV</b>			
Q3314	8-729-422-27	TRANSISTOR 2SD601A-Q		* A-1394-910-A UV BOARD, COMPLETE (KV-32S66/35S66 ONLY)			
<b>RESISTOR</b>				* A-1394-905-A UV BOARD, COMPLETE (KV-32V42/35V42 ONLY)			
R3301	1-216-057-00	RES,CHIP 2.2K	5% 1/10W	<b>CAPACITOR</b>			
R3302	1-216-121-91	RES,CHIP 1M	5% 1/10W	C100	1-164-346-11	CERAMIC 1 $\mu$ F	16V (KV-32V42/35V42 ONLY)
R3303	1-216-057-00	RES,CHIP 2.2K	5% 1/10W	C101	1-165-319-11	CERAMIC 0.1 $\mu$ F	50V (KV-32V42/35V42 ONLY)
R3304	1-216-133-00	RES,CHIP 3.3M	5% 1/10W	C102	1-164-346-11	CERAMIC 1 $\mu$ F	16V (KV-32V42/35V42 ONLY)
R3305	1-216-037-00	RES,CHIP 330	5% 1/10W	C103	1-163-017-00	CERAMIC 0.0047 $\mu$ F	10% 50V (KV-32V42/35V42 ONLY)
R3308	1-216-085-00	RES,CHIP 33K	5% 1/10W	C104	1-164-005-11	CERAMIC 0.47 $\mu$ F	25V (KV-32V42/35V42 ONLY)
R3309	1-216-025-91	RES,CHIP 100	5% 1/10W	C105	1-164-005-11	CERAMIC 0.47 $\mu$ F	25V (KV-32V42/35V42 ONLY)
R3310	1-216-025-91	RES,CHIP 100	5% 1/10W	C150	1-126-956-91	ELECT 0.1 $\mu$ F	20% 50V
R3311	1-216-037-00	RES,CHIP 330	5% 1/10W	C153	1-163-017-00	CERAMIC 0.0047 $\mu$ F	10% 50V
R3312	1-216-043-91	RES,CHIP 560	5% 1/10W	C154	1-126-963-11	ELECT 4.7 $\mu$ F	20% 50V
R3313	1-216-035-00	RES,CHIP 270	5% 1/10W	C155	1-126-963-11	ELECT 4.7 $\mu$ F	20% 50V
R3316	1-216-295-91	SHORT		C156	1-126-963-11	ELECT 4.7 $\mu$ F	20% 50V
R3317	1-216-295-91	SHORT		C158	1-126-963-11	ELECT 4.7 $\mu$ F	20% 50V
R3318	1-216-061-00	RES,CHIP 3.3K	5% 1/10W	C160	1-126-964-11	ELECT 10 $\mu$ F	20% 50V
R3319	1-216-295-91	SHORT		C161	1-126-956-91	ELECT 0.1 $\mu$ F	20% 50V
R3328	1-216-295-91	SHORT		C162	1-163-017-00	CERAMIC 0.0047 $\mu$ F	10% 50V
R3329	1-216-033-00	RES,CHIP 220	5% 1/10W	C163	1-104-664-11	ELECT 47 $\mu$ F	20% 25V
R3333	1-216-049-91	RES,CHIP 1K	5% 1/10W	C164	1-165-319-11	CERAMIC 0.1 $\mu$ F	50V
R3334	1-216-049-91	RES,CHIP 1K	5% 1/10W	C165	1-126-964-11	ELECT 10 $\mu$ F	20% 50V
R3335	1-216-049-91	RES,CHIP 1K	5% 1/10W	C168	1-126-963-11	ELECT 4.7 $\mu$ F	20% 50V
R3336	1-216-295-91	SHORT		C171	1-126-941-11	ELECT 470 $\mu$ F	20% 25V
R3338	1-216-295-91	SHORT		C172	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V
R3340	1-216-295-91	SHORT		C173	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V
R3342	1-216-057-00	RES,CHIP 2.2K	5% 1/10W	C174	1-126-964-11	ELECT 10 $\mu$ F	20% 50V (KV-32V42/35V42 ONLY)
R3343	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	C176	1-126-964-11	ELECT 10 $\mu$ F	20% 50V
R3344	1-216-073-00	RES,CHIP 10K	5% 1/10W	C177	1-126-964-11	ELECT 10 $\mu$ F	20% 50V
R3345	1-216-073-00	RES,CHIP 10K	5% 1/10W	C178	1-126-964-11	ELECT 10 $\mu$ F	20% 50V
R3346	1-216-295-91	SHORT		F			
R3347	1-216-049-91	RES,CHIP 1K	5% 1/10W				
R3348	1-216-049-91	RES,CHIP 1K	5% 1/10W				
R3349	1-215-857-11	METAL 10	5% 1W				
R3351	1-216-041-00	RES,CHIP 470	5% 1/10W				
R3352	1-216-295-91	SHORT					
R3353	1-216-295-91	SHORT					
R3357	1-216-041-00	RES,CHIP 470	5% 1/10W				



## Complete Parts Listing

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		(KV-32V42/35V42 ONLY)					
C179	1-164-182-11	CERAMIC 0.0033 $\mu$ F	10% 50V	C261	1-136-161-00	FILM 0.047 $\mu$ F	5% 50V
		(KV-32V42/35V42 ONLY)				(KV-32S66/35S66 ONLY)	
C180	1-164-182-11	CERAMIC 0.0033 $\mu$ F	10% 50V	C262	1-104-664-11	ELECT 47 $\mu$ F	20% 25V
		(KV-32V42/35V42 ONLY)		C263	1-136-161-00	FILM 0.047 $\mu$ F	5% 50V
C181	1-163-989-11	CERAMIC 0.033 $\mu$ F	10% 25V	C264	1-126-941-11	ELECT 470 $\mu$ F	20% 25V
		(KV-32V42/35V42 ONLY)		C266	1-126-960-11	ELECT 1 $\mu$ F	20% 50V
C182	1-163-989-11	CERAMIC 0.033 $\mu$ F	10% 25V			(KV-32S66/35S66 ONLY)	
		(KV-32V42/35V42 ONLY)		C267	1-126-960-11	ELECT 1 $\mu$ F	20% 50V
C183	1-163-227-11	CERAMIC 10pF	0.50% 50V			(KV-32S66/35S66 ONLY)	
		(KV-32V42/35V42 ONLY)		C270	1-126-960-11	ELECT 1 $\mu$ F	20% 50V
C184	1-163-227-11	CERAMIC 10pF	0.50% 50V	C271	1-126-960-11	ELECT 1 $\mu$ F	20% 50V
		(KV-32V42/35V42 ONLY)		C275	1-104-664-11	ELECT 47 $\mu$ F	20% 25V
C185	1-163-227-11	CERAMIC 10pF	0.50% 50V	C276	1-163-251-11	CERAMIC 100pF	5% 50V
		(KV-32V42/35V42 ONLY)				<b>CONNECTOR</b>	
C187	1-126-964-11	ELECT 10 $\mu$ F	20% 50V	CN261	1-691-632-21	CONNECTOR, BOARD TO BOARD 15P	
		(KV-32V42/35V42 ONLY)		CN262	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P	
C188	1-126-956-91	ELECT 0.1 $\mu$ F	20% 50V	CN263	1-564-506-11	PLUG, CONNECTOR 3P	
		(KV-32V42/35V42 ONLY)		CN264	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	
C189	1-126-956-91	ELECT 0.1 $\mu$ F	20% 50V			<b>DIODE</b>	
		(KV-32V42/35V42 ONLY)		D100	8-719-981-99	DIODE MTZJ-3.3	
C190	1-163-986-00	CERAMIC 0.027 $\mu$ F	10% 25V	D231	8-719-110-17	DIODE RD10ESB2	
		(KV-32V42/35V42 ONLY)		D232	8-719-110-17	DIODE RD10ESB2	
C191	1-163-017-00	CERAMIC 0.0047 $\mu$ F	10% 50V	D233	8-719-110-17	DIODE RD10ESB2	
		(KV-32V42/35V42 ONLY)		D234	8-719-110-17	DIODE RD10ESB2	
C192	1-163-005-11	CERAMIC 470pF	10% 50V	D235	8-719-110-17	DIODE RD10ESB2	
		(KV-32V42/35V42 ONLY)		D236	8-719-110-17	DIODE RD10ESB2	
C193	1-165-319-11	CERAMIC 0.1 $\mu$ F	50V	D237	8-719-981-99	DIODE MTZJ-3.3 (KV-32V42/35V42 ONLY)	
		(KV-32V42/35V42 ONLY)		D238	8-719-981-99	DIODE MTZJ-3.3 (KV-32V42/35V42 ONLY)	
C194	1-163-023-00	CERAMIC 0.015 $\mu$ F	10% 50V	D240	8-719-110-17	DIODE RD10ESB2	
		(KV-32V42/35V42 ONLY)		D241	8-719-110-17	DIODE RD10ESB2	
C195	1-164-161-11	CERAMIC 0.0022 $\mu$ F	10% 50V	D242	8-719-110-17	DIODE RD10ESB2	
		(KV-32V42/35V42 ONLY)		D243	8-719-110-17	DIODE RD10ESB2	
C196	1-126-965-11	ELECT 22 $\mu$ F	20% 50V	D244	8-719-110-17	DIODE RD10ESB2	
		(KV-32V42/35V42 ONLY)		D264	8-719-110-17	DIODE RD10ESB2	
C197	1-165-319-11	CERAMIC 0.1 $\mu$ F	50V	D265	8-719-110-17	DIODE RD10ESB2	
		(KV-32V42/35V42 ONLY)		D902	8-719-110-17	DIODE RD10ESB2 (KV-32S66/35S66 ONLY)	
C198	1-126-960-11	ELECT 1 $\mu$ F	20% 50V			<b>IC</b>	
		(KV-32V42/35V42 ONLY)		IC100	8-752-072-39	IC CXA2021S	
C199	1-165-319-11	CERAMIC 0.1 $\mu$ F	50V	IC101	8-759-100-96	IC NJM4558M-TE2	
		(KV-32V42/35V42 ONLY)		IC102	8-759-537-25	IC NJM2150M-TE2 (KV-32V42/35V42 ONLY)	
C231	1-163-031-11	CERAMIC 0.01 $\mu$ F	50V	IC103	8-759-537-26	IC TDA7467D013TR (KV-32V42/35V42 ONLY)	
C232	1-136-161-00	FILM 0.047 $\mu$ F	5% 50V	IC261	8-759-534-81	IC MM1313AD/ (KV-32S66/35S66 ONLY)	
C233	1-136-161-00	FILM 0.047 $\mu$ F	5% 50V	IC261	8-759-366-77	IC MM1311AD (KV-32V42/35V42 ONLY)	
C234	1-126-960-11	ELECT 1 $\mu$ F	20% 50V			<b>JACK</b>	
C235	1-126-960-11	ELECT 1 $\mu$ F	20% 50V	J231	1-750-515-11	TERMINAL BLOCK, S 3P	
C236	1-136-161-00	FILM 0.047 $\mu$ F	5% 50V	J232	1-750-517-11	JACK BLOCK, PIN 3P	
C237	1-126-960-11	ELECT 1 $\mu$ F	20% 50V	J233	1-750-516-11	JACK BLOCK, PIN 2P	
C238	1-126-960-11	ELECT 1 $\mu$ F	20% 50V	J234	1-750-517-11	JACK BLOCK, PIN 3P (KV-32V42/35V42 ONLY)	
C241	1-126-941-11	ELECT 470 $\mu$ F	20% 25V	J902	1-764-143-11	JACK 3P (KV-32S66/35S66 ONLY)	
		(KV-32V42/35V42 ONLY)		J903	1-764-143-11	JACK 3P (KV-32S66/35S66 ONLY)	
C242	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V	J904	1-764-143-11	JACK 3P (KV-32S66/35S66 ONLY)	
		(KV-32V42/35V42 ONLY)					
C244	1-126-959-11	ELECT 0.47 $\mu$ F	20% 50V				
		(KV-32V42/35V42 ONLY)					

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**Complete Parts Listing**

REFNO.	PARTNO.	DESCRIPTION	REMARK	REFNO.	PARTNO.	DESCRIPTION	REMARK
<b>CHIP CONDUCTOR</b>				R109	1-216-089-91	RES,CHIP 47K	5% 1/10W
JR101	1-216-295-91	SHORT		R110	1-216-089-91	RES,CHIP 47K	5% 1/10W
JR106	1-216-295-91	SHORT (KV-32V42/35V42 ONLY)		R111	1-216-025-91	RES,CHIP 100	5% 1/10W
JR107	1-216-295-91	SHORT (KV-32V42/35V42 ONLY)		R112	1-216-121-91	RES,CHIP 1M	5% 1/10W
JR109	1-216-295-91	SHORT		R113	1-216-081-00	RES,CHIP 22K	5% 1/10W
JR147	1-216-295-91	SHORT (KV-32S66/35S66 ONLY)				(KV-32V42/35V42 ONLY)	
JR148	1-216-295-91	SHORT (KV-32S66/35S66 ONLY)		R114	1-216-081-00	RES,CHIP 22K	5% 1/10W
JR201	1-216-295-91	SHORT				(KV-32V42/35V42 ONLY)	
JR204	1-216-295-91	SHORT		R115	1-216-081-00	RES,CHIP 22K	5% 1/10W
JR205	1-216-295-91	SHORT				(KV-32V42/35V42 ONLY)	
JR269	1-216-295-91	SHORT		R116	1-216-081-00	RES,CHIP 22K	5% 1/10W
JR270	1-216-295-91	SHORT				(KV-32V42/35V42 ONLY)	
JR272	1-216-295-91	SHORT		R117	1-216-073-00	RES,CHIP 10K	5% 1/10W
JR273	1-216-295-91	SHORT				(KV-32V42/35V42 ONLY)	
JR274	1-216-295-91	SHORT		R118	1-216-073-00	RES,CHIP 10K	5% 1/10W
JR276	1-216-295-91	SHORT				(KV-32V42/35V42 ONLY)	
JR901	1-216-295-91	SHORT (KV-32S66/35S66 ONLY)		R119	1-216-073-00	RES,CHIP 10K	5% 1/10W
JR902	1-216-295-91	SHORT (KV-32V42/35V42 ONLY)				(KV-32V42/35V42 ONLY)	
JR903	1-216-295-91	SHORT (KV-32V42/35V42 ONLY)		R124	1-216-033-00	RES,CHIP 220	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R125	1-216-033-00	RES,CHIP 220	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R126	1-216-063-91	RES,CHIP 3.9K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R127	1-216-089-91	RES,CHIP 47K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R128	1-216-085-00	RES,CHIP 33K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R129	1-216-053-00	RES,CHIP 1.5K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R130	1-216-100-00	RES,CHIP 130K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R131	1-216-049-91	RES,CHIP 1K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R132	1-216-088-00	RES,CHIP 43K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R133	1-216-061-00	RES,CHIP 3.3K	5% 1/10W
				R134	1-216-061-00	RES,CHIP 3.3K	5% 1/10W
				R135	1-216-097-91	RES,CHIP 100K	5% 1/10W
				R136	1-216-081-00	RES,CHIP 22K	5% 1/10W
						(KV-32S66/35S66 ONLY)	
				R136	1-216-085-00	RES,CHIP 33K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R137	1-216-025-91	RES,CHIP 100	5% 1/10W
				R201	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R202	1-216-049-91	RES,CHIP 1K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R203	1-216-069-00	RES,CHIP 6.8K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R204	1-216-069-00	RES,CHIP 6.8K	5% 1/10W
						(KV-32V42/35V42 ONLY)	
				R212	1-249-440-11	CARBON 82K	5% 1/4W
				R213	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R100	1-216-033-00	RES,CHIP 220	5% 1/10W				
R101	1-216-033-00	RES,CHIP 220	5% 1/10W				
R102	1-216-073-00	RES,CHIP 10K	5% 1/10W				
R103	1-216-081-00	RES,CHIP 22K	5% 1/10W				
		(KV-32S66/35S66 ONLY)					
R103	1-216-085-00	RES,CHIP 33K	5% 1/10W				
		(KV-32V42/35V42 ONLY)					
R104	1-216-089-91	RES,CHIP 47K	5% 1/10W				
R105	1-216-089-91	RES,CHIP 47K	5% 1/10W				
R106	1-216-049-91	RES,CHIP 1K	5% 1/10W				
R107	1-216-049-91	RES,CHIP 1K	5% 1/10W				
R108	1-216-073-00	RES,CHIP 10K	5% 1/10W				



**Complete Parts Listing**

**Note:**

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

**Note:**

Les composants identifiés par un trame et une marque **△** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART.NO.	DESCRIPTION	REMARK	REF.NO.	PART.NO.	DESCRIPTION	REMARK
		(KV-32V42/35V42 ONLY)					
R214	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R272	1-249-417-11	CARBON 1K	5% 1/4W
		(KV-32V42/35V42 ONLY)		R274	1-249-413-11	CARBON 470	5% 1/4W
R215	1-249-413-11	CARBON 470	5% 1/4W	R275	1-249-425-11	CARBON 4.7K	5% 1/4W
R216	1-216-025-91	RES,CHIP 100	5% 1/10W			(KV-32S66/35S66 ONLY)	
R217	1-216-025-91	RES,CHIP 100	5% 1/10W	R276	1-249-425-11	CARBON 4.7K	5% 1/4W
		(KV-32V42/35V42 ONLY)				(KV-32S66/35S66 ONLY)	
R218	1-216-025-91	RES,CHIP 100	5% 1/10W	R277	1-216-049-91	RES,CHIP 1K	5% 1/10W
		(KV-32V42/35V42 ONLY)		R279	1-216-025-91	RES,CHIP 100	5% 1/10W
R228	1-216-033-00	RES,CHIP 220	5% 1/10W	R280	1-216-033-00	RES,CHIP 220	5% 1/10W
R229	1-216-025-91	RES,CHIP 100	5% 1/10W	R281	1-216-033-00	RES,CHIP 220	5% 1/10W
R230	1-216-033-00	RES,CHIP 220	5% 1/10W	R282	1-216-025-91	RES,CHIP 100	5% 1/10W
R231	1-216-022-00	RES,CHIP 75	5% 1/10W	R283	1-216-025-91	RES,CHIP 100	5% 1/10W
R232	1-216-022-00	RES,CHIP 75	5% 1/10W	R284	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R233	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R285	1-216-065-91	RES,CHIP 4.7K	5% 1/10W
R234	1-216-022-00	RES,CHIP 75	5% 1/10W	R286	1-216-049-91	RES,CHIP 1K	5% 1/10W
R235	1-216-113-00	RES,CHIP 470K	5% 1/10W	R288	1-247-815-91	CARBON 220	5% 1/4W
R236	1-216-065-91	RES,CHIP 4.7K	5% 1/10W			(KV-32V42/35V42 ONLY)	
R237	1-216-113-00	RES,CHIP 470K	5% 1/10W	R289	1-247-815-91	CARBON 220	5% 1/4W
R238	1-216-065-91	RES,CHIP 4.7K	5% 1/10W			(KV-32V42/35V42 ONLY)	
R239	1-216-022-00	RES,CHIP 75	5% 1/10W	R290	1-247-815-91	CARBON 220	5% 1/4W
R240	1-216-113-00	RES,CHIP 470K	5% 1/10W			(KV-32V42/35V42 ONLY)	
R241	1-216-065-91	RES,CHIP 4.7K	5% 1/10W	R291	1-216-025-91	RES,CHIP 100	5% 1/10W
R242	1-216-113-00	RES,CHIP 470K	5% 1/10W	R292	1-216-025-91	RES,CHIP 100	5% 1/10W
R243	1-216-065-91	RES,CHIP 4.7K	5% 1/10W			(KV-32V42/35V42 ONLY)	
R244	1-216-113-00	RES,CHIP 470K	5% 1/10W	R293	1-216-025-91	RES,CHIP 100	5% 1/10W
R245	1-249-417-11	CARBON 1K	5% 1/4W			(KV-32S66/35S66 ONLY)	
R246	1-216-113-00	RES,CHIP 470K	5% 1/10W	R294	1-216-049-91	RES,CHIP 1K	5% 1/10W
R247	1-249-417-11	CARBON 1K	5% 1/4W	R902	1-249-405-11	CARBON 100	5% 1/4W F
R248	1-216-021-00	RES,CHIP 68	5% 1/10W	R919	1-216-295-91	SHORT (KV-32S66/35S66 ONLY)	
		(KV-32V42/35V42 ONLY)		R920	1-249-405-11	CARBON 100	5% 1/4W F
R249	1-216-113-00	RES,CHIP 470K	5% 1/10W	R921	1-249-405-11	CARBON 100	5% 1/4W F
		(KV-32V42/35V42 ONLY)		R922	1-216-049-91	RES,CHIP 1K	5% 1/10W
R250	1-216-113-00	RES,CHIP 470K	5% 1/10W			(KV-32S66/35S66 ONLY)	
		(KV-32V42/35V42 ONLY)		R923	1-216-049-91	RES,CHIP 1K	5% 1/10W
R251	1-216-113-00	RES,CHIP 470K	5% 1/10W			(KV-32S66/35S66 ONLY)	
		(KV-32V42/35V42 ONLY)					
R256	1-216-069-00	RES,CHIP 6.8K	5% 1/10W				
		(KV-32V42/35V42 ONLY)					
R259	1-216-065-91	RES,CHIP 4.7K	5% 1/10W				
		(KV-32V42/35V42 ONLY)					
R261	1-216-009-91	RES,CHIP 22	5% 1/10W				
		(KV-32S66/35S66 ONLY)					
R264	1-247-815-91	CARBON 220	5% 1/4W				
R265	1-247-815-91	CARBON 220	5% 1/4W				
R266	1-216-295-91	SHORT (KV-32S66/35S66 ONLY)					
R267	1-249-415-11	CARBON 680	5% 1/4W				
		(KV-32S66/35S66 ONLY)					
R268	1-216-025-91	RES,CHIP 100	5% 1/10W				
R269	1-216-025-91	RES,CHIP 100	5% 1/10W				
R270	1-216-041-00	RES,CHIP 470	5% 1/10W				
R271	1-249-415-11	CARBON 680	5% 1/4W				



\* A-1372-462-A WA BOARD, COMPLETE  
(KV-35S42/35S66/35V42 ONLY)  
4-382-854-11 SCREW (M3X10), P, SW (+)

**CAPACITOR**

C941	1-126-935-11	ELECT 470µF	20% 16V
C944	1-163-021-91	CERAMIC 0.01µF	10% 50V
C945	1-163-001-11	CERAMIC 220pF	10% 50V
C946	1-126-933-11	ELECT 100µF	20% 16V
C949	1-161-830-00	CERAMIC 0.0047µF	500V
C950	1-126-933-11	ELECT 100µF	20% 16V
C951	1-107-638-11	ELECT 33µF	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	FILM 0.001µF	5% 50V



**Note:**

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

**Note:**

Les composants identifiés par un triangle et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Complete Parts Listing**

REFNO.	PARTNO.	DESCRIPTION	REMARK	REFNO.	PARTNO.	DESCRIPTION	REMARK
C955	1-107-667-11	ELECT	2.2 $\mu$ F 20% 160V	R955	1-216-047-91	RES,CHIP	820 5% 1/10W
C956	1-130-471-00	FILM	0.001 $\mu$ F 5% 50V	R956	1-216-295-91	SHORT	
C957	1-106-383-00	MYLAR	0.047 $\mu$ F 10% 200V	R957	1-216-073-00	RES,CHIP	10K 5% 1/10W
C958	1-126-933-11	ELECT	100 $\mu$ F 20% 16V	R958	1-216-295-91	SHORT	
C961	1-163-251-11	CERAMIC	100pF 5% 50V	R959	1-216-021-00	RES,CHIP	68 5% 1/10W
C962	1-163-021-91	CERAMIC	0.01 $\mu$ F 10% 50V	R960	1-216-689-11	RES,CHIP	39K 5% 1/10W
C965	1-163-035-00	CERAMIC	0.047 $\mu$ F 50V	R961	1-216-073-00	RES,CHIP	10K 5% 1/10W
C966	1-163-009-11	CERAMIC	0.001 $\mu$ F 10% 50V	R962	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
C967	1-129-718-00	FILM	0.022 $\mu$ F 5% 630V	R963	1-216-097-91	RES,CHIP	100K 5% 1/10W
C968	1-137-579-11	FILM	0.068 $\mu$ F 5% 100V	R964	1-216-073-00	RES,CHIP	10K 5% 1/10W
C969	1-163-035-00	CERAMIC	0.047 $\mu$ F 50V	R965	1-216-073-00	RES,CHIP	10K 5% 1/10W
C981	1-126-941-11	ELECT	470 $\mu$ F 20% 25V	R966	1-216-097-91	RES,CHIP	100K 5% 1/10W
C983	1-137-366-11	FILM	0.0022 $\mu$ F 5% 50V	R967	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
<b>CONNECTOR</b>				R968	1-216-083-00	RES,CHIP	27K 5% 1/10W
CN941	1-564-511-11	PLUG, CONNECTOR	8P	R969	1-216-295-91	SHORT	
CN961	1-770-723-11	CONNECTOR, BOARD TO BOARD	8P	R970	1-216-033-00	RES,CHIP	220 5% 1/10W
CN981	1-564-506-11	PLUG, CONNECTOR	3P	R971	1-247-899-11	CARBON	680K 5% 1/4W
<b>DIODE</b>				R972	1-216-073-00	RES,CHIP	10K 5% 1/10W
D941	8-719-991-33	DIODE	1SS133T-77	R973	1-216-121-91	RES,CHIP	1M 5% 1/10W
D946	8-719-110-88	DIODE	RD39ESB2	R974	1-216-073-00	RES,CHIP	10K 5% 1/10W
D947	8-719-110-88	DIODE	RD39ESB2	R975	$\Delta$ 1-216-446-00	METAL	18 5% 2W F
D961	8-719-109-89	DIODE	RD5.6ESB2	R976	$\Delta$ 1-216-423-11	METAL	27 5% 1W F
D962	8-719-991-33	DIODE	1SS133T-77	R979	1-216-017-91	RES,CHIP	47 5% 1/10W
D964	8-719-302-43	DIODE	EL1Z	R981	1-216-081-00	RES,CHIP	22K 5% 1/10W
<b>IC</b>				R982	1-216-081-00	RES,CHIP	22K 5% 1/10W
IC961	8-759-700-07	IC	NJM2903M	R983	1-216-081-00	RES,CHIP	22K 5% 1/10W
IC981	8-759-603-37	IC	M5216P	R984	1-216-081-00	RES,CHIP	22K 5% 1/10W
<b>COIL</b>				R987	1-216-049-91	RES,CHIP	1K 5% 1/10W
L942	1-215-863-11	METAL	100 5% 1W F	R988	1-216-295-91	SHORT	
L962	1-406-989-21	INDUCTOR	10 $\mu$ H	R989	1-216-304-11	RES,CHIP	3.3 5% 1/10W
L963	1-406-675-11	INDUCTOR	4.7 $\mu$ H	R992	1-216-073-00	RES,CHIP	10K 5% 1/10W
<b>TRANSISTOR</b>				R1941	1-260-311-51	CARBON	39 5% 1/2W
Q943	8-729-422-27	TRANSISTOR	2SD601A-Q	R1942	1-249-384-11	CARBON	1.8 5% 1/4W F
Q944	8-729-422-27	TRANSISTOR	2SD601A-Q	R1943	1-249-414-11	CARBON	560 5% 1/4W F
Q945	8-729-422-27	TRANSISTOR	2SD601A-Q	R1944	1-249-432-11	CARBON	18K 5% 1/4W
Q946	8-729-017-05	TRANSISTOR	2SA1837	R1945	1-216-476-11	METAL	180 5% 3W F
Q947	8-729-017-06	TRANSISTOR	2SC4793	R1946	1-249-417-11	CARBON	1K 5% 1/4W F
Q962	8-729-931-45	TRANSISTOR	IRF614	R1947	1-249-432-11	CARBON	18K 5% 1/4W
Q963	8-729-216-22	TRANSISTOR	2SA1162-G	R1948	1-249-414-11	CARBON	560 5% 1/4W
Q965	8-729-422-27	TRANSISTOR	2SD601A-Q	R1949	1-249-384-11	CARBON	1.8 5% 1/4W F
Q966	8-729-216-22	TRANSISTOR	2SA1162-G	R1950	1-249-400-11	CARBON	39 5% 1/4W F
Q981	8-729-422-27	TRANSISTOR	2SD601A-Q	<div style="border: 1px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 2em;">WB</div> <p>* A-1372-508-A <b>WB BOARD, COMPLETE</b> (KV-32S42/32S66/32V42 ONLY)</p> <p>4-382-854-11 SCREW (M3X10), P, SW (+)</p> <p><b>CAPACITOR</b></p> <p>C2941 1-126-935-11 ELECT 470<math>\mu</math>F 20% 16V</p> <p>C2944 1-163-021-91 CERAMIC 0.01<math>\mu</math>F 10% 50V</p> <p>C2946 1-126-933-11 ELECT 100<math>\mu</math>F 20% 16V</p>			
R943	1-216-025-91	RES,CHIP	100 5% 1/10W				
R948	1-216-049-91	RES,CHIP	1K 5% 1/10W				
R949	1-216-049-91	RES,CHIP	1K 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	1-216-037-00	RES,CHIP	330 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				



## Complete Parts Listing

**Note:**

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

**Note:**

Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C2949	1-161-830-00	CERAMIC	0.0047 $\mu$ F	500V	R4947	1-249-432-11	CARBON 18K 5% 1/4W
C2950	1-126-933-11	ELECT	100 $\mu$ F	20% 16V	R4948	1-249-414-11	CARBON 560 5% 1/4W
C2951	1-107-638-11	ELECT	33 $\mu$ F	20% 160V	R4949	1-249-384-11	CARBON 1.8 5% 1/4W F
C2952	1-104-999-11	MYLAR	0.1 $\mu$ F	10% 200V	R4950	1-249-400-11	CARBON 39 5% 1/4W F
C2953	1-106-383-00	MYLAR	0.047 $\mu$ F	10% 200V			
C2954	1-130-471-00	FILM	0.001 $\mu$ F	5% 50V			
C2955	1-107-667-11	ELECT	2.2 $\mu$ F	20% 160V			
C2956	1-130-471-00	FILM	0.001 $\mu$ F	5% 50V			
C2957	1-106-383-00	MYLAR	0.047 $\mu$ F	10% 200V			
C2958	1-126-933-11	ELECT	100 $\mu$ F	20% 16V			
C2975	1-163-001-11	CERAMIC	220pF	10% 50V			
<b>CONNECTOR</b>							
CN2941 *	1-564-508-11	PLUG, CONNECTOR 5P					
<b>DIODE</b>							
D2941	8-719-991-33	DIODE	1SS133T-77				
D2946	8-719-110-88	DIODE	RD39ESB2				
D2947	8-719-110-88	DIODE	RD39ESB2				
<b>COIL</b>							
L2942	1-215-863-11	METAL	100	5% 1W	F		
<b>TRANSISTOR</b>							
Q2943	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2944	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2945	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2946	8-729-017-05	TRANSISTOR	2SA1837				
Q2947	8-729-017-06	TRANSISTOR	2SC4793				
Q2965	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2966	8-729-216-22	TRANSISTOR	2SA1162-G				
<b>RESISTOR</b>							
R2943	1-216-025-91	RES,CHIP	100	5%	1/10W		
R2948	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R2949	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R2950	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R2951	1-216-049-91	RES,CHIP	1K	5%	1/10W		
R2952	1-216-037-00	RES,CHIP	330	5%	1/10W		
R2953	1-216-021-00	RES,CHIP	68	5%	1/10W		
R2954	1-216-033-00	RES,CHIP	220	5%	1/10W		
R2955	1-216-047-91	RES,CHIP	820	5%	1/10W		
R2956	1-216-295-91	SHORT					
R2957	1-216-073-00	RES,CHIP	10K	5%	1/10W		
R2958	1-216-295-91	SHORT					
R2959	1-216-021-00	RES,CHIP	68	5%	1/10W		
R2979	1-216-017-91	RES,CHIP	47	5%	1/10W		
R4941	1-260-311-51	CARBON	39	5%	1/2W		
R4942	1-249-384-11	CARBON	1.8	5%	1/4W	F	
R4943	1-249-414-11	CARBON	560	5%	1/4W	F	
R4944	1-249-432-11	CARBON	18K	5%	1/4W		
R4945	1-216-476-11	METAL	180	5%	3W	F	
R4946	1-249-417-11	CARBON	1K	5%	1/4W	F	
<b>ACCESSORIES &amp; PACKING</b>							
*	4-041-259-01	BAG, PROTECTION					
		(KV-32S42/32S66/32V42 ONLY)					
*	4-053-658-01	BAG, PROTECTION					
		(KV-35S42/35S66/35V42 ONLY)					
*	4-053-276-03	CARTON, INDIVIDUAL					
		(KV-35V42 ONLY)					
*	4-054-073-14	CARTON, INDIVIDUAL					
		(KV-32V42 ONLY)					
*	4-056-782-01	CARTON, INDIVIDUAL					
		(KV-35S42/35S66 ONLY)					
*	4-063-179-01	CARTON, INDIVIDUAL					
		(KV-32S42/32S66 ONLY)					
*	4-054-070-04	CUSHION, LOWER ASSY					
		(KV-32V42 ONLY)					
*	4-056-784-01	CUSHION, LOWER ASSY					
		(KV-35S42/35S66 ONLY)					
*	4-063-181-01	CUSHION, LOWER ASSY					
		(KV-32S42/32S66 ONLY)					
*	4-067-388-01	CUSHION, LOWER ASSY					
		(KV-35V42 ONLY)					
*	4-054-067-02	CUSHION, UPPER ASSY					
		(KV-32V42 ONLY)					
*	4-056-783-01	CUSHION, UPPER ASSY					
		(KV-35S42/35S66 ONLY)					
*	4-063-180-01	CUSHION, UPPER ASSY					
		(KV-32S42/32S66 ONLY)					
*	4-067-387-01	CUSHION, UPPER ASSY					
		(KV-35V42 ONLY)					
	3-866-793-21	MANUAL, INSTRUCTION					
		(KV-32S42/32S66/32V42/35S42/35S66/35V42 ONLY)					
	3-866-793-31	MANUAL, INSTRUCTION					
		(KV-32S42CND/32S66CND/35S42CND/35S66CND ONLY)					
<b>REMOTE COMMANDER</b>							
	1-418-387-11	REMOTE COMMANDER (RM-Y168)					
		(KV-32S42/32V42/35S42/35V42 ONLY)					
	4-978-977-01	BATTERY COVER FOR RM-Y168					
		(KV-32S42/32V42/35S42/35V42 ONLY)					
	1-418-384-11	REMOTE COMMANDER (RM-Y169)					
		(KV-32S66/35S66 ONLY)					
	4-978-977-01	BATTERY COVER FOR RM-Y169					
		(KV-32S66/35S66 ONLY)					

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