

KRF-V4530D

KRF-V5030D/V5030DE/V5030D-S

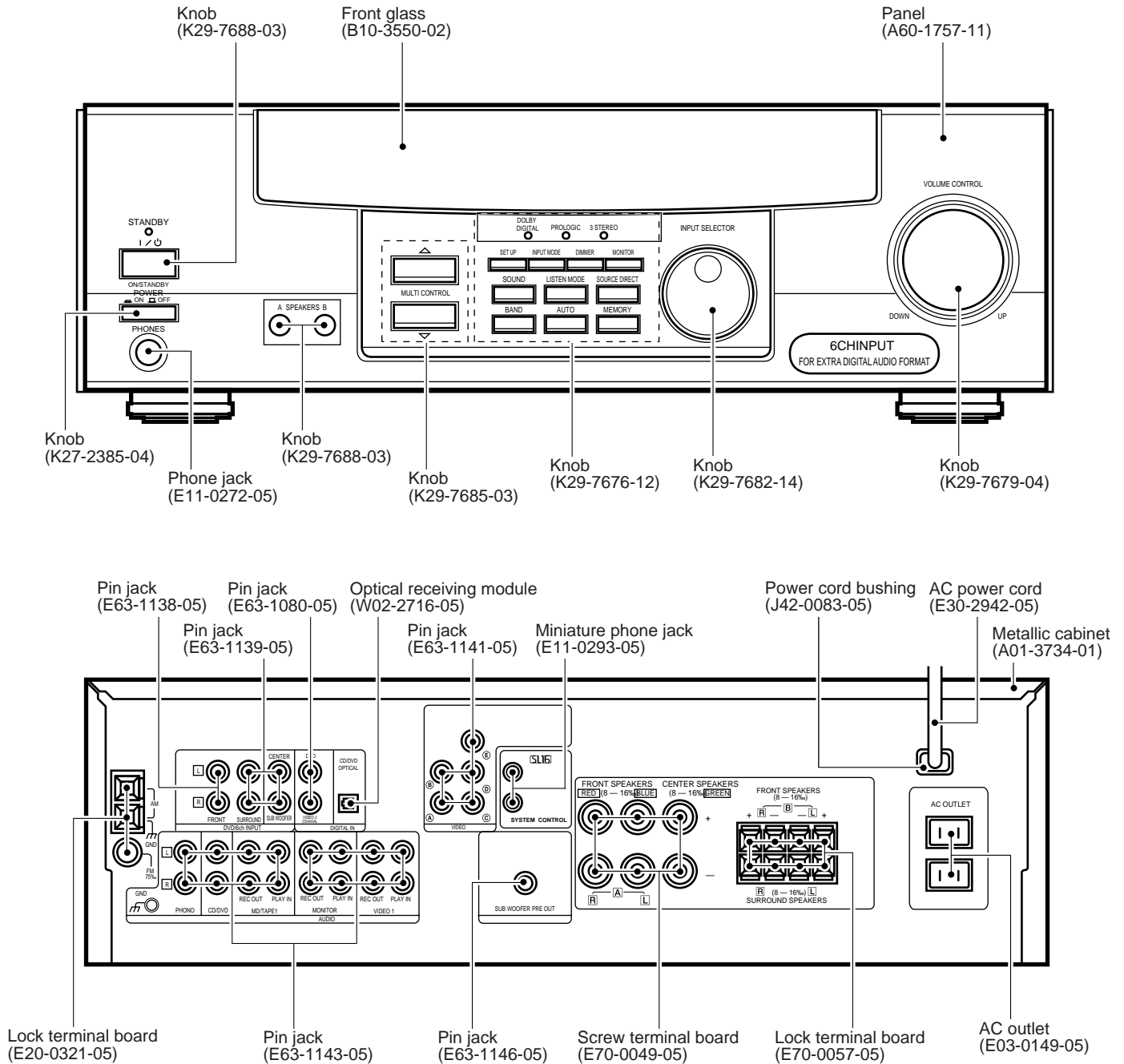
KRF-V6030D/V6030DE/V6030D-S

VR-405/406/414

SERVICE MANUAL

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Note: On circuit description, please refer to KRF-V7030D service manual(B51-5598-00).



Illust. is KRF-V6030D-S(M).



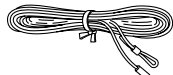
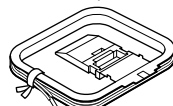
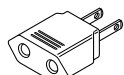
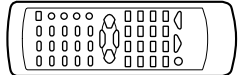
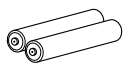
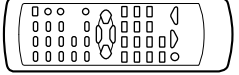
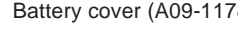
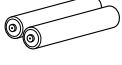
KRF-V4530D/V5030D/V6030D/VR-405/406/414

CONTENTS / ACCESSORIES / CAUTIONS

Contents

| | | | |
|--|---|-------------------------|----|
| CONTENTS / ACCESSORIES / CAUTIONS..... | 2 | PC BOARD | 10 |
| CONTROLS | 3 | SCHEMATIC DIAGRAM | 17 |
| BLOCK DIAGRAM | 5 | EXPLODED VIEW | 33 |
| CIRCUIT DESCRIPTION | 6 | PARTS LIST..... | 34 |
| ADJUSTMENT | 8 | SPECIFICATIONS | 46 |

Accessories

| | | |
|---|--|--|
| <p>FM indoor antenna (1) (T90-0836-05)</p>  | <p>AM loop antenna (1) (T90-0852-05)</p>  | <p>*AC plug adaptor (1) (E03-0115-05)</p>  <p>*Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)</p> |
| <p>For VR-406 and KRF-V6030D</p> <p>Remote control unit (1) (A70-1330-05): RC-R0609 (A70-1331-05): RC-R0610(E type)</p>  | <p>Batteries (R6/AA) (2)</p>  | <p>For VR-405, VR-414, KRF-V5030D, and KRF-V4530D</p> <p>Remote control unit (1) (A70-1328-05): RC-R0509 (A70-1329-05): RC-R0510(E,T type)</p>  |
| <p>Battery cover (A09-1178-08)</p>  | | <p>Battery cover (A09-1178-08)</p>  |

Caution

Copy from instruction manual.

The manual covers the VR-407, VR-406, VR-405, VR-414, KRF-V7030D, KRF-V6030D, KRF-V5030D, and KRF-V4530D. Items such as functions, number of jacks, and remote control details differ somewhat between these models. To confirm the functions available on the model you have purchased, refer to the table below.

| Model name | Remote Control | Terminal | | |
|-------------------------------------|----------------|------------------|---------------|--------------|
| | | Speaker out | VIDEO 3 jacks | Front input |
| VR-407 KRF-V7030D | RC-R0609 | 2 systems (A, B) | Equipped | Equipped |
| VR-406 KRF-V6030D | RC-R0609 | 2 systems (A, B) | Not equipped | Not equipped |
| VR-405/414 KRF-V5030D/ V4530D | RC-R0509 | 1 system | Not equipped | Not equipped |

This manual is divided into four sections, Preparations, Operations, Other, and Remote Control.

Remote Control (Separate booklet) (VR-407/VR-406/KRF-V7030D/KRF-V6030D only)
Includes the "Quick Start Guide," which shows you how to operate other components using the remote control, as well as a detailed explanation of all remote control operations. Once you have registered your components with the proper setup codes, you'll be able to operate both this receiver and your other AV components (TV, VCR, DVD player, LD player, CD player, etc.) using the remote control supplied with this receiver.

VIDEO 2/MONITOR jacks (for VR-406/405/414/KRF-V6030D/V5030D/V4530D)

The receiver's VIDEO 2/MONITOR jacks can be used in two different ways. Make the appropriate setting for the component connected to the jack when the receiver is turned on.

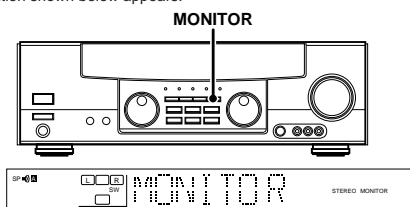
Use as a VIDEO 2 jack

You can connect a video deck or the like to these jacks and perform video playback and recording. The initial factory setting is "VIDEO 2".

Use as a MONITOR jack

You can connect a cassette deck or the like to these jacks and make use of the deck's monitoring function during recording. Alternately, you can connect a graphic equalizer to these jacks to apply compensation to the music signal.

To use the VIDEO 2/MONITOR jacks as MONITOR jacks, hold down the MONITOR key of the main unit for more than two seconds so that the indication shown below appears.



- At the same time the setting is switched to "MONITOR," the audio input source switches to tuner and the video input source switches to VIDEO 1.
- To switch the setting back to "VIDEO 2," once again hold down the MONITOR key for two seconds or more.

Memory back up function

Please note that the following items will be deleted from the unit's memory if the power cord is disconnected from the AC outlet for approximately 3 days.

- Power mode.
- Input selector settings.
- Device preset.
- Picture output.
- Speaker ON/OFF
- Volume level.
- BASS, TREBLE, INPUT level.
- Subwoofer ON/OFF.
- Dimmer level.
- Monitor ON/OFF.
- MD/TAPE settings.
- 6CH/2CH input setting.
- Listen mode setting.
- Speaker settings.
- Input mode setting.
- Midnight mode setting.
- Broadcast band.
- Frequency setting.
- Preset stations.
- Tuning mode.

Resetting the Microcomputer

If the microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

- Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left the factory.

For U.S.A. and Canada

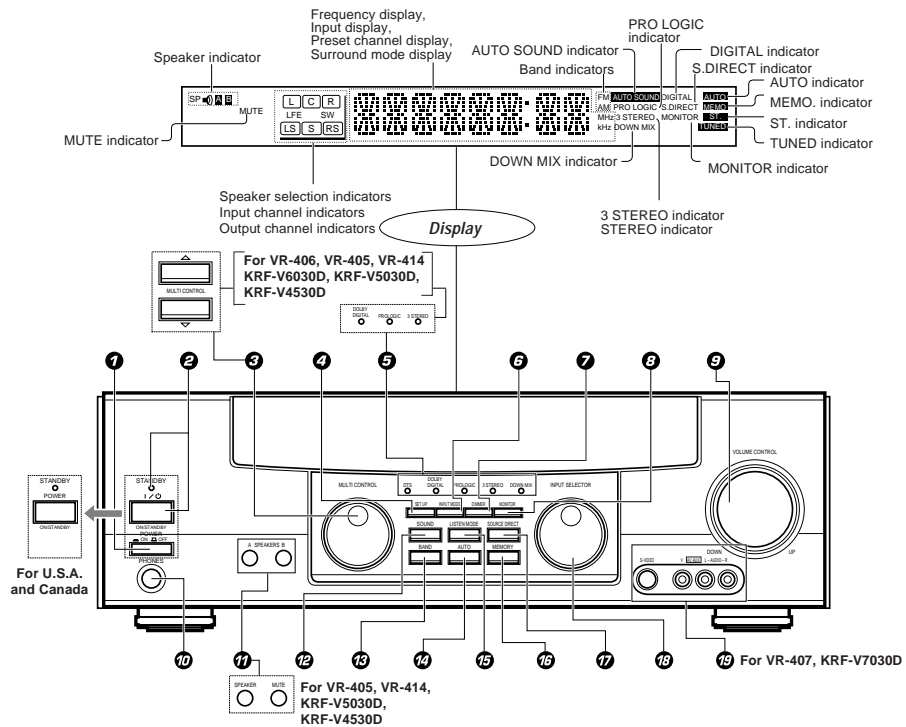
Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

For other countries

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY key, press POWER.

Model vs PCB

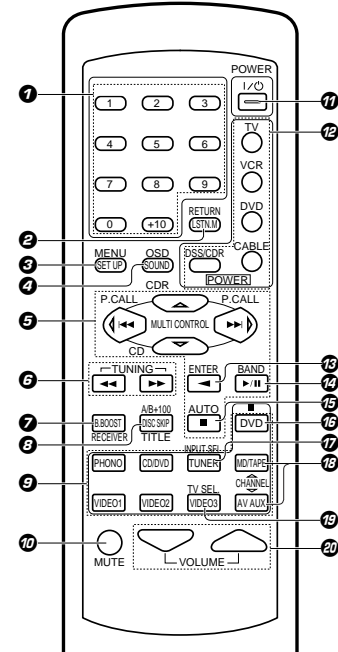
| MODEL | ABB | POWER SUPPLY | POWER AMP | PREAMP | DISPLAY |
|--------------|-----|--------------|-------------|-------------|-------------|
| KRF-V4530D | E4 | - | X07-3142-71 | X08-3010-11 | X14-7122-72 |
| KRF-V5030D | E1 | - | X07-3142-71 | X08-3010-11 | X14-7122-72 |
| KRF-V5030D | T5 | - | X07-3140-51 | X08-3010-11 | X14-7122-72 |
| KRF-V5030D | Y5 | X00-3000-20 | X07-3142-91 | X08-3010-11 | X14-7120-22 |
| KRF-V5030D-S | E3 | - | X07-3142-71 | X08-3010-11 | X14-7122-72 |
| KRF-V5030D-S | I5 | X00-3000-20 | X07-3140-21 | X08-3010-11 | X14-7120-22 |
| KRF-V5030D-S | M5 | X00-3000-20 | X07-3140-21 | X08-3010-21 | X14-7120-22 |
| KRF-V5030D-S | X5 | - | X07-3140-71 | X08-3010-11 | X14-7120-72 |
| KRF-V5030DE | E2 | - | X07-3142-71 | X08-3010-11 | X14-7122-72 |
| VR-405 | K5 | - | X07-3140-10 | X08-3010-10 | X14-7120-11 |
| VR-405 | P5 | - | X07-3140-10 | X08-3010-10 | X14-7120-11 |
| VR-414 | K4 | - | X07-3140-11 | X08-3010-10 | X14-7120-11 |
| VR-414 | P4 | - | X07-3140-11 | X08-3010-10 | X14-7120-11 |
| KRF-V6030D | E6 | - | X07-3132-72 | X08-3010-10 | X14-7122-71 |
| KRF-V6030D-S | I6 | X00-3000-20 | X07-3130-22 | X08-3010-10 | X14-7120-21 |
| KRF-V6030D-S | M6 | X00-3000-20 | X07-3130-22 | X08-3010-21 | X14-7120-21 |
| KRF-V6030D-S | X6 | - | X07-3130-72 | X08-3010-10 | X14-7120-71 |
| KRF-V6030DE | E7 | - | X07-3132-72 | X08-3010-10 | X14-7122-71 |
| VR-406 | K6 | - | X07-3130-11 | X08-3010-10 | X14-7120-10 |
| VR-406 | P6 | - | X07-3130-11 | X08-3010-10 | X14-7120-10 |



- ❶ **POWER key**
(Except for U.S.A. and Canada)
Use to turn the main power ON/OFF.
- ❷ **POWER key**
(For U.S.A. and Canada)
Use to turn the power ON/OFF.
STANDBY indicator
ON/STANDBY (I/O) key
(Except for U.S.A. and Canada)
Use to switch the power ON/STANDBY when the POWER is turned ON.
STANDBY indicator
- ❸ **MULTI CONTROL knob**
(For VR-407/KRF-V7030D)
Used to make a variety of settings.
- ❹ **MULTI CONTROL keys**
(For VR-406/405/414/KRF-V6030D/V5030D/V4530D)
Used to make a variety of settings.
- ❺ **SET UP key**
Use to select the surround sound settings.
- ❻ **Surround indicators**
 - **DTS indicator**
(For VR-407/KRF-V7030D)
Lights when the receiver is in the DTS mode.
 - **DOLBY DIGITAL indicator**
Lights when the receiver is in the Dolby Digital mode.
 - **PROLOGIC indicator**
Lights when the receiver is in the PROLOGIC mode.
 - **3 STEREO indicator**
Lights when the receiver is in the 3 STEREO mode.
 - **DOWN MIX indicator**
(For VR-407/KRF-V7030D)
Lights when the receiver is in the DOWN MIX mode.
- ❼ **INPUT MODE key**
Use to switch between the digital and analog inputs.
- ❽ **DIMMER key**
Use to adjust the brightness of the display.
Use to select the REC MODE.
- ❾ **MONITOR key**
Use to monitor the source that is connected to the MONITOR jack.
- ❿ **VOLUME CONTROL knob**
- ⓫ **PHONES jack**
Use for headphone listening.
- ⓬ **SPEAKERS A/B keys**
(For VR-407/406/KRF-V7030D/6030D)
Use to turn the A/B speakers ON/OFF.
- ⓭ **SPEAKER key**
(For VR-405/414/KRF-V5030D/V4530D)
Use to turn the speaker ON/OFF.
- ⓮ **MUTE key**
(For VR-405/414/KRF-V5030D/V4530D)
Use to temporarily mute the sound.
- ⓯ **SOUND key**
Use to adjust the sound quality and ambience effects.
- ⓰ **BAND key**
Use to select the broadcast band.
- ⓱ **AUTO key**
Use to select the auto tuning mode.
- ⓲ **LISTEN MODE key**
Use to select the listening mode.
- ⓳ **MEMORY key**
Use to store radio stations in the preset memory.
- ⓴ **SOURCE DIRECT key**
Use to pass the source material direct to the amplifier.
- ⓵ **INPUT SELECTOR knob**
Use to select the input sources.
- ⓶ **AUX IN S VIDEO/VIDEO/AUDIO L/R jacks**
(For VR-407/KRF-V7030D)

Standby mode
While the standby indicator of the unit is lit, a small amount of current is flowing into the unit's internal circuitry to back up the memory. This condition is referred to as the standby mode of the unit. While the unit is in the standby mode, it can be turned ON from the remote control unit.

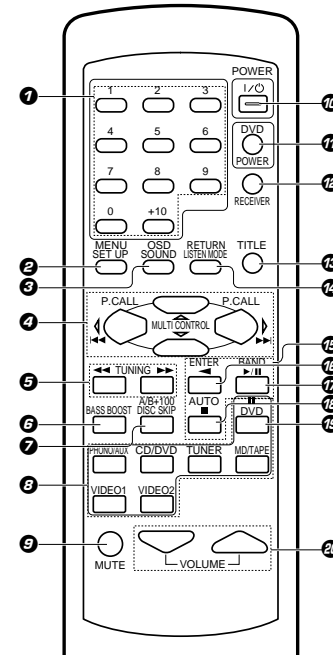
Remote control unit (RC-R0609) (VR-407/406/KRF-V7030D/V6030D)



- ❶ **Numeric keys**
Provide functions identical to those of the original remote control supplied with the component you are controlling.
- ❷ **LSTN.M key**
Use to select the listening mode.
RETURN key
Use to operate other components.
- ❸ **SET UP key**
Use to select the surround sound settings.
MENU key
Use to operate other components.
- ❹ **SOUND key**
Use to adjust the sound quality and ambience effects.
OSD key
Use to operate other components.
- ❺ **MULTI CONTROL keys**
Used to make a variety of settings.
Use to operate other components.
P.CALL <J>- keys
If tuner is selected as the input source, these keys function as P.CALL keys.
<L>-<R> keys
If CD or MD is selected as the input source, these keys function as search keys.
- ❻ **TUNING <L>-<R> keys**
Use to operate the tuner or selected component.
- ❼ **B. BOOST key**
Use to select the maximum adjustment setting for the low frequency range.
RECEIVER key
Use to return to the operation of the receiver.
- ❽ **DISC SKIP key**
If CD is selected as the input source, this key functions as the multi-CD player disc skip key.
A/B key
If TAPE is selected as the input source, this (A and B) of a double cassette deck.
+100 key
Use to select the disc number with the multi-CD player.
TITLE key
Use to operate other components.
- ❾ **INPUT SELECTOR keys (DVD, PHONO, CD/DVD, TUNER, MD/TAPE, VIDEO1, VIDEO2, VIDEO3, AV AUX)**
Selects the inputs and sets the remote control to operate the component registered at the respective input.
- ⓫ **MUTE key**
Use to temporarily mute the sound.
- ⓬ **POWER key**
Use to turn the receiver on and off.
- ⓭ **POWER key (TV, VCR, DVD, DSS/CDR, CABLE)**
Use to turn the other components on and off.
- ⓮ **ENTER key**
Use to operate other components.
<L> key
If tape is selected as the input source, this key functions as the play key for side B of the cassette (the side facing away from the front of the deck).
- ⓯ **BAND key**
Use to select the broadcast band.
>|| key
If CD is selected as the input source, this key functions as the play/pause key.
If MD is selected as the input source, this key functions as the play key.
- ⓰ **AUTO key**
Use to select the auto tuning mode.
■ key
If CD or MD is selected as the input source, this key functions as the stop key.
- ⓱ **II key**
Use to operate other components.
- ⓲ **INPUT SEL. key**
Use to operate other components.
- ⓳ **CHANNEL Δ▽ keys**
Use to select the channel.
- ⓴ **TV SEL. key**
Use to operate other components.
- ⓵ **VOLUME keys**
Use to adjust the receiver volume.

KRF-V4530D/V5030D/V6030D/VR-405/406/414 CONTROLS

Remote control unit (RC-R0509) (VR-405/414/KRF-V5030D/V4530D)



1 Numeric keys

If CD or MD is selected as the input source, these keys function as numeric keys. If tuner is selected as the input source, these keys are used to call up station presets.

2 SET UP key

Use to select the surround sound settings.

MENU key

Use to operate other components.

3 SOUND key

Use to adjust the sound quality and ambience effects.

OSD key

Use to operate other components.

4 MULTI CONTROL keys

Used to make a variety of settings.

P.CALL \leftarrow/\rightarrow keys

If tuner is selected as the input source, these keys function as P.CALL keys.

\leftarrow/\rightarrow keys

If CD or MD is selected as the input source, these keys function as search keys.

5 TUNING \leftarrow/\rightarrow keys

If tuner is selected as the input source, these keys function as tuning keys.

6 BASS BOOST key

Use to select the maximum adjustment setting for the low frequency range.

7 DISC SKIP key

If CD is selected as the input source, this key functions as the multi-CD player disc skip key.

A/B key

If TAPE is selected as the input source, this (A and B) of a double cassette deck.

+100 key

Use to select the disc number with the multi-CD player.

8 INPUT SELECTOR keys (DVD, PHONO/AUX, CD/DVD, TUNER, MD/TAPE, VIDEO1, VIDEO2)

Selects the inputs and sets the remote control to operate the component registered at the respective input.

9 MUTE key

Use to temporarily mute the sound.

10 POWER key

Use to turn the receiver on and off.

11 DVD key

Used to operate DVD player.

For details, refer to the instruction manual of your DVD player.

12 RECEIVER key

Use to return to the operation of the receiver.

13 TITLE key

Use to operate other components.

14 LISTEN MODE key

Use to select the listening mode.

RETURN key

Use to operate other components.

15 Component operation keys

Use these keys to operate other components with system control connections to the receiver.

\blacktriangleleft key

If tape is selected as the input source, this key functions as the play key for side B of the cassette (the side facing away from the front of the deck).

\blacktriangleright key

If CD is selected as the input source, this key functions as the play/pause key.

If MD is selected as the input source, this key functions as the play key.

\blacksquare key

If CD or MD is selected as the input source, this key functions as the stop key.

16 ENTER key

Use to operate other components.

17 BAND key

If tuner is selected as the input source, this key functions as the band selector key.

18 AUTO key

If tuner is selected as the input source, this key functions as the AUTO key.

19 \blacksquare key

Use to operate other components.

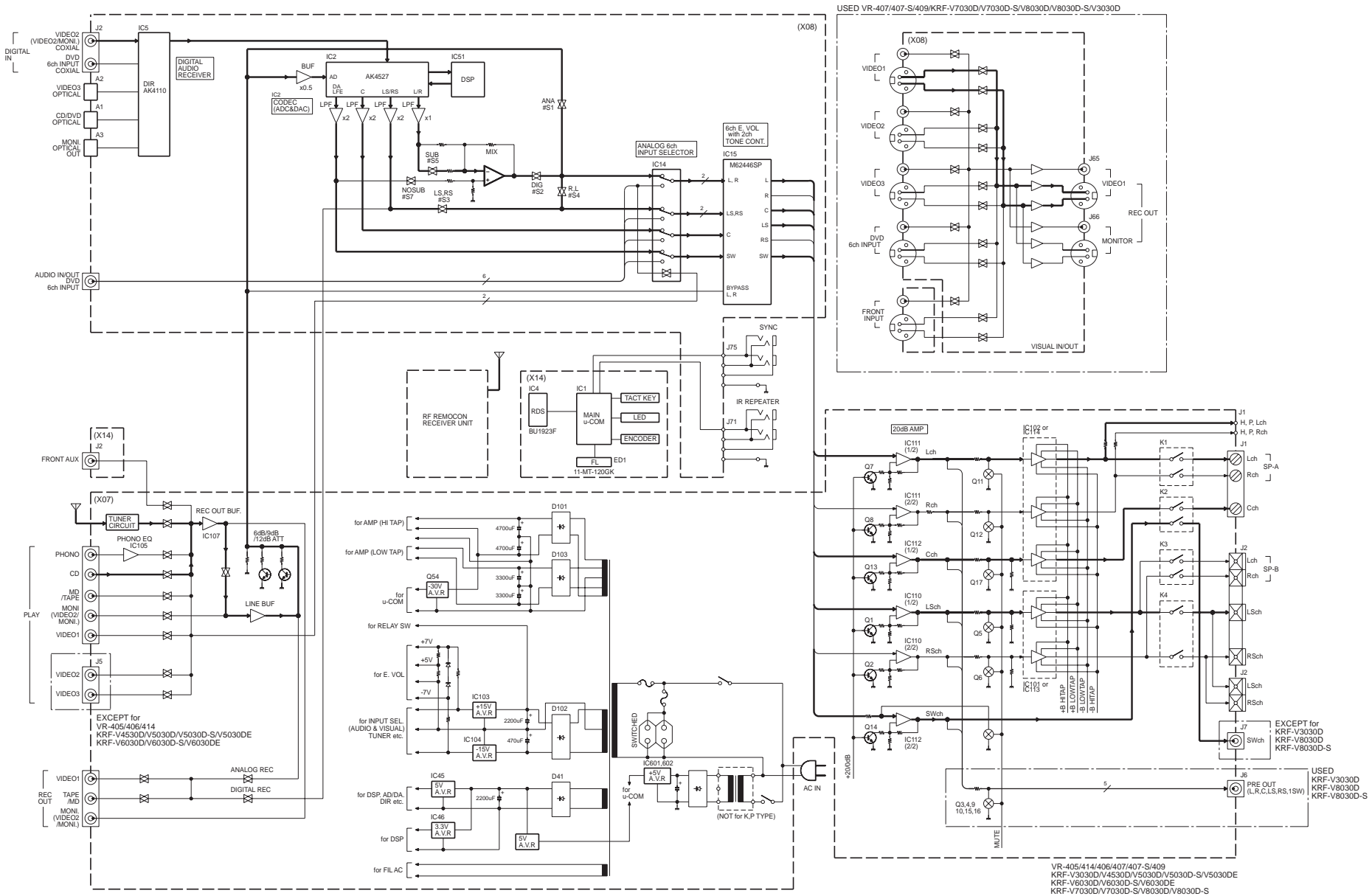
20 VOLUME keys

Use to adjust the receiver volume.

CONTROLS

KRF-V4530D/V5030D/V6030D/VR-405/406/414

KRF-V4530D/V5030D/V6030D/VR-405/406/414 BLOCK DIAGRAM



KRF-V4530D/V5030D/V6030D/VR-405/406/414

CIRCUIT DESCRIPTION

Pin description of microprocessor : X14,IC1(MN101C35DRA)

| Pin No. | Pin Name | I/O | Description |
|---------|---------------------|-----|---|
| 1 | S. DATA | I/O | Serial data signal. |
| 2 | S.BUS | I/O | Serial busy signal. |
| 3 | SEL. ST1 | O | Strobe output to input selector (IC106). |
| 4 | SEL/VOL/PLL DT | O | Data output to selector,volume and PLL IC. |
| 5 | SEL/VOL/PLL CLK | O | Clock output to selector,volume and PLL IC. |
| 6 | SEL. ST2 | O | Strobe 2 output to input selector (IC109). |
| 7 | PLL. CE | O | PLL chip enable. |
| 8 | Vdd (+5v) | - | Power supply. |
| 9 | OSC OUT | O | 8MHz clock output. |
| 10 | OSC IN | I | 8MHz clock input. |
| 11 | Vss | - | Connected to ground. |
| 12 | X IN | - | Connected to ground. |
| 13 | X OUT | - | No used. |
| 14 | MMCD | - | Connected to ground. |
| 15 | Vref- | - | Connected to ground. |
| 16,17 | KEY2,KEY1 | I | Input terminal of key1 and key2. |
| 18 | MODEL TYPE | I | Discrimination port of models. |
| 19 | TH. SENS | I | No used. |
| 20 | PROTECT | I | Detection port of protection signal 1. |
| 21 | PROTECT2 | I | Detection port of protection signal 2. |
| 22 | S.LEVEL/CH SPACE | I | RDS S level and channel space changeover. |
| 23 | PLL DO | I | RDS PLL data signal input. |
| 24 | Vref+ | - | Reference voltage of AD converter.. |
| 25 | CE | I | Chip enable. |
| 26 | RESET | I | Reset signal input. |
| 27 | T. MUTE | O | Muting signal output to tuner. |
| 28 | RF ST | O | CE signal output of RF receiver IC. |
| 29 | RF DT | O | Data signal output of RF receiver IC. |
| 30 | RF CLK | O | Clock signal output of RF receiver IC. |
| 31 | VOL.ST | O | Latch output of electric volume. |
| 32 | DSP INTREQ | I/O | Detection port of DSP INTREQ. |
| 33 | DTS DET | I | Detection port of DTS data. |
| 34 | REMOCON | I | Remote control signal input. |
| 35 | DIR ERR | I | Detection port of DIR error signal. |
| 36 | DZF | I | Detection port of CODEC zero input. |
| 37 | RDS.CLK | I | RDS clock input. |
| 38 | RDS.DAT/CE2 | I | RDS data input./u-COM chip enable 2. |
| 39 | DSP/DIR/CORDEC CDIN | O | Serial data output. |
| 40 | DSP/DIR/CDOUT | I | Serial data input. |
| 41 | DSP/DIR/CORDEC CCLK | O | Clock output to IC2, IC5 and IC51on X08. |
| 42 | DSP CS | O | DSP chip select. |
| 43 | DSP PD | O | DSP power down. |
| 44 | DIR CODEC CS | O | CODEC chip select. |
| 45 | DIR CODEC PD | O | DIR CODEC power down. |
| 46 | NO USE | - | No used. |
| 47-57 | 1G-11G | O | FL grid control(1G-11G). |
| 58-74 | P1-P17 | O | FL segment control(P1-P17). |
| 75 | PACK CONT. | O | Power pack control. |
| 76 | LIMMITER | O | Control port of A class power supply. |
| 77 | REAR RE | O | Relay control terminal of surround speaker. |
| 78 | CENTER RE | O | Relay control terminal of center speaker. |
| 79 | FB RE | O | Relay control terminal of front B speaker. |
| 80 | FA RE | O | Relay control terminal of front A speaker. |

KRF-V4530D/V5030D/V6030D/VR-405/406/414

CIRCUIT DESCRIPTION

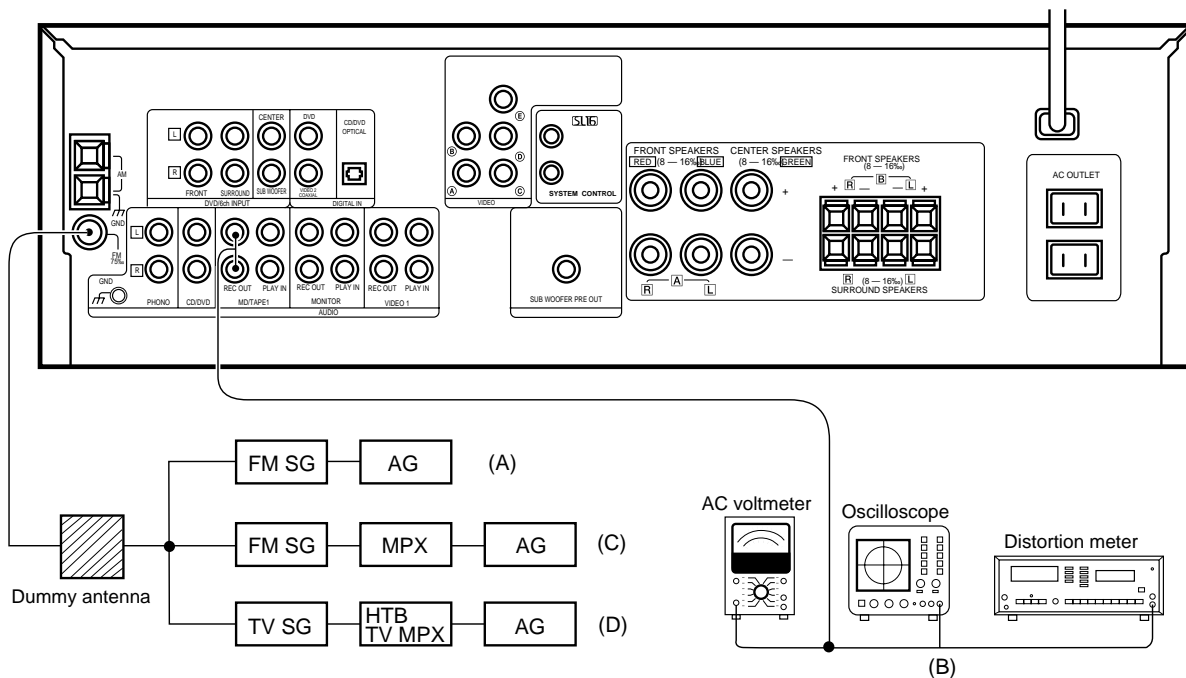
| Pin No. | Pin Name | I/O | Description |
|---------|---------------------|-----|---|
| 81 | POWER RE | O | Power relay control. |
| 82 | CS5. 1(DOWN MIX)LED | O | Control terminal of CS5.1(DOWN MIX) LED. |
| 83 | 3 STEREO LED | O | Control terminal of 3 STEREO LED. |
| 84 | DTS LED | O | Control terminal of DTS LED. |
| 85 | DOLBY DIGITAL LED | O | Control terminal of DOLBY DIGITAL LED. |
| 86 | PROLOGIC LED | O | Control terminal of PROLOGIC LED. |
| 87 | STANDBY LED | O | Control terminal of STANDBY LED. |
| 88 | PRE OUT MUTE | O | Muting control terminal of pre out. |
| 89 | 20dB ATT | O | 20dB attenuation(volume) control terminal. |
| 90 | A.MUTE | O | Audio muting signal output. |
| 91 | ABOOT | O | EPROM CS. |
| 92 | MULTI. ENC CW | I | Multi cont. encoder signal input(clockwise). |
| 93 | MULTI. ENC CCW | I | Multi cont. encoder signal input(counterclockwise). |
| 94 | SEL. ENC CW | I | Selector encoder signal input(clockwise). |
| 95 | SEL. ENC CCW | I | Selector encoder signal input(counterclockwise). |
| 96 | VOL. ENC CW | I | Volume encoder signal input(clockwise). |
| 97 | VOL. ENC CCW | I | Volume encoder signal input(counterclockwise). |
| 98 | STEREO | I | Stereo (tuner) signal input. |
| 99 | SD | I | Tuner (SD)detector input. |
| 100 | Vpp(-30V) | - | FL power supply(-35V). |

KRF-V4530D/V5030D/V6030D/VR-405/406/414

ADJUSTMENT

| No. | ITEM | INPUT SETTINGS | OUTPUT SETTINGS | RECEIVER SETTINGS | ALIGNMENT POINTS | ALIGN FOR | FIG. |
|--|--------------------------|--|--|-------------------|----------------------|---|------|
| FM SECTION : EXCEPT E,T type SELECTOR : FM | | | | | | | |
| 1 | DISCRIMINATOR (K,P only) | (A) 98.0MHz 1kHz, ±75kHz dev. 70dBf (ANT. input) | Connect a DC voltmeter between CN4 ① and CN4 ② (X07) | 98.0MHz | L4 (X07) | 0V | |
| 2 | TUNING LEVEL | (A) 98.0MHz MONO 1kHz, ±75kHz dev. 29.2dBf (ANT. input) | (B) | MONO 98.0MHz | VR1 (X07) | Adjust VR1 and stop at the point where ED1 (TUNED) goes on. | |
| FM SECTION : E,T type only SELECTOR : FM ※ Adjust NO.1 and NO.2 repeat. | | | | | | | |
| 1 | DISCRIMINATOR | (A) 98.0MHz 1kHz, ±40kHz dev. 70dBf (ANT. input) | Connect a DC voltmeter between CN4 ① and CN4 ② (X07) | MONO 98.0MHz | L4 (X07) | 0V | |
| 2 | DISTORTION (MONO) | (A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input) | (B) | MONO 98.0MHz | L5 (X07) | Minimum distortion | |
| 3 | DISTORTION (STEREO) | (C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input) | (B) | AUTO 98.0MHz | IFT (FRONT END : A1) | Minimum distortion (L or R) | |
| 4 | TUNING LEVEL | (A) 98.0MHz MONO 1kHz, ±40kHz dev. 29.2dBf (ANT. input) | (B) | MONO 98.0MHz | VR1 (X07) | Adjust VR1 and stop at the point where ED1 (TUNED) goes on. | |

SYSTEM CONNECTIONS



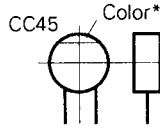
KRF-V4530D/V5030D/V6030D/VR-405/406/414

PARTS DESCRIPTIONS

CAPACITORS

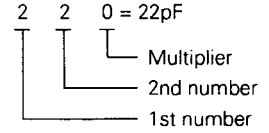
CC 45 TH 1H 220 J
 1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc.
- 2 = Shape ... round, square, ect.
- 3 = Temp. coefficient
- 4 = Voltage rating
- 5 = Value
- 6 = Tolerance



• Capacitor value

- 010 = 1pF
- 100 = 10pF
- 101 = 100pF
- 102 = 1000pF = 0.001μF
- 103 = 0.01μF



• Temperature coefficient

| 1st Word | C | L | P | R | S | T | U |
|----------|-------|-----|--------|--------|-------|------|--------|
| Color* | Black | Red | Orange | Yellow | Green | Blue | Violet |
| ppm/°C | 0 | -80 | -150 | -220 | -330 | -470 | -750 |

| 2nd Word | G | H | J | K | L |
|----------|-----|-----|------|------|------|
| ppm/°C | ±30 | ±60 | ±120 | ±250 | ±500 |

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

| Code | C | D | G | J | K | M | X | Z | P | No code |
|------|-------|------|----|----|-----|-----|------------|------------|------------|---|
| (%) | ±0.25 | ±0.5 | ±2 | ±5 | ±10 | ±20 | +40 -20 | +80 -20 | +100 -0 | More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75 |

(Less than 10pF)

| Code | B | C | D | F | G |
|------|------|-------|------|----|----|
| (pF) | ±0.1 | ±0.25 | ±0.5 | ±1 | ±2 |

• Voltage rating

| 2nd word \ 1st word | A | B | C | D | E | F | G | H | J | K | V |
|---------------------|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 1.0 | 1.25 | 1.6 | 2.0 | 2.5 | 3.15 | 4.0 | 5.0 | 6.3 | 8.0 | - |
| 1 | 10 | 12.5 | 16 | 20 | 25 | 31.5 | 40 | 50 | 63 | 80 | 35 |
| 2 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | - |
| 3 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | - |

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
 1 2 3 4 5 6 7

(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
 1 2 3 4 5 6 7

(Chip) (B, F)

Refer to the table above.

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Voltage rating
- 6 = Value
- 7 = Tolerance

Dimension (Chip capacitors)

| Dimension code | L | W | T |
|----------------|-----------|------------|----------------|
| Empty | 5.6 ± 0.5 | 5.0 ± 0.5 | Less than 2.0 |
| A | 4.5 ± 0.5 | 3.2 ± 0.4 | Less than 2.0 |
| B | 4.5 ± 0.5 | 2.0 ± 0.3 | Less than 2.0 |
| C | 4.5 ± 0.5 | 1.25 ± 0.2 | Less than 1.25 |
| D | 3.2 ± 0.4 | 2.5 ± 0.3 | Less than 1.5 |
| E | 3.2 ± 0.2 | 1.6 ± 0.2 | Less than 1.25 |
| F | 2.0 ± 0.3 | 1.25 ± 0.2 | Less than 1.25 |
| G | 1.6 ± 0.2 | 0.8 ± 0.2 | Less than 1.0 |

RESISTORS

• Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
 1 2 3 4 5 6 7

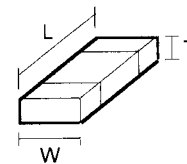
(Chip) (B, F)

• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
 1 2 3 4 5 6 7

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Rating wattage
- 6 = Value
- 7 = Tolerance

Dimension



Dimension (Chip resistor)

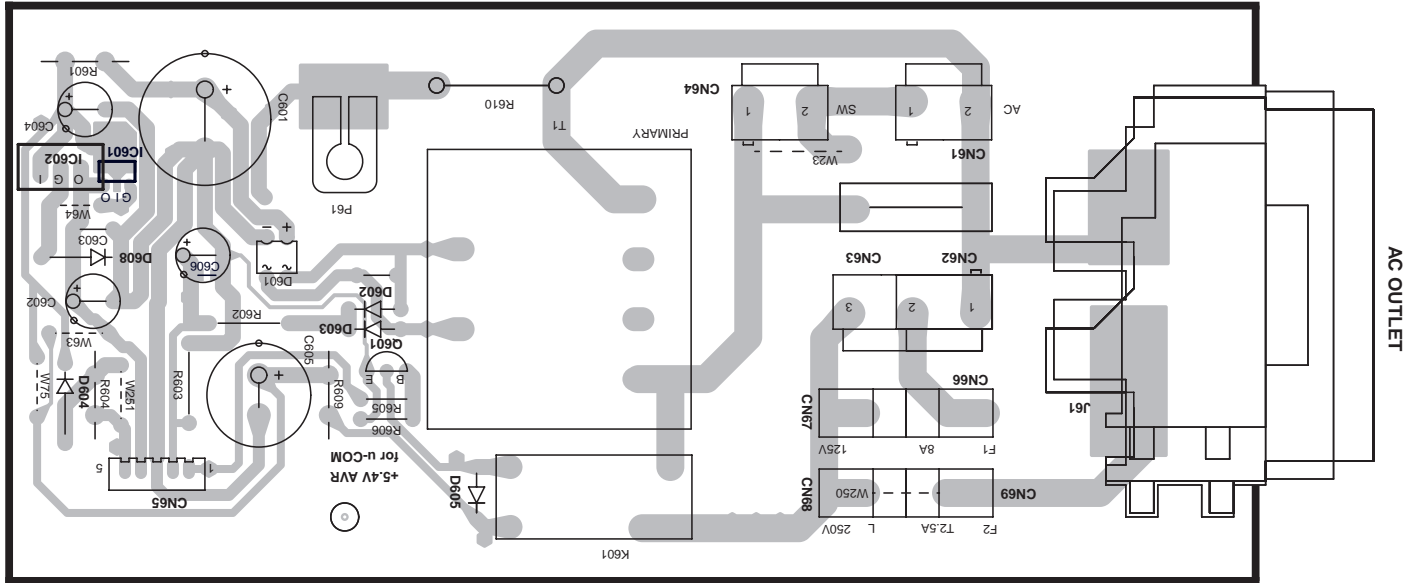
| Dimension code | L | W | T |
|----------------|-----------|------------|-----------|
| E | 3.2 ± 0.2 | 1.6 ± 0.2 | 1.0 |
| F | 2.0 ± 0.3 | 1.25 ± 0.2 | 1.0 |
| G | 1.6 ± 0.2 | 0.8 ± 0.2 | 0.5 ± 0.1 |

Rating wattage

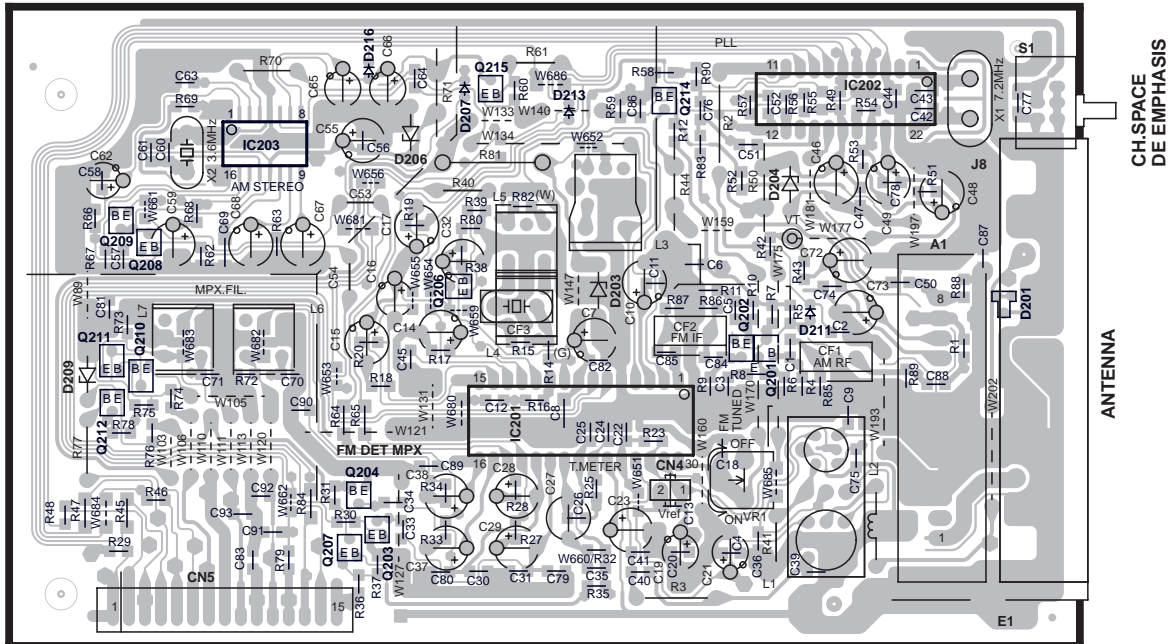
| Code | Wattage | Code | Wattage | Code | Wattage |
|------|---------|------|---------|------|---------|
| 1J | 1/16W | 2C | 1/6W | 3A | 1W |
| 2A | 1/10W | 2E | 1/4W | 3D | 2W |
| 2B | 1/8W | 2H | 1/2W | | |

PC BOARD (Component side view)

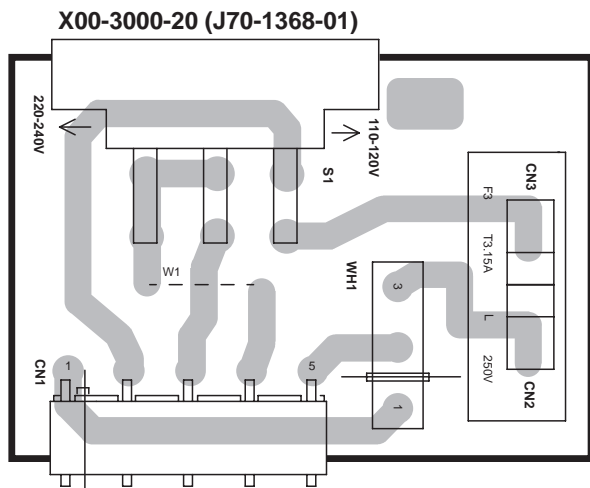
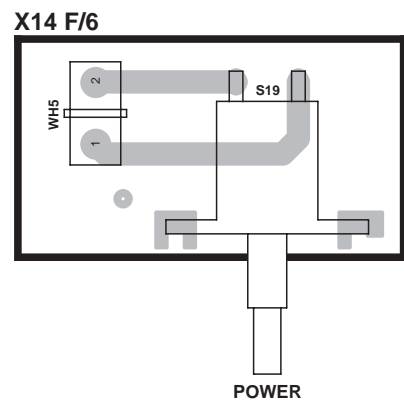
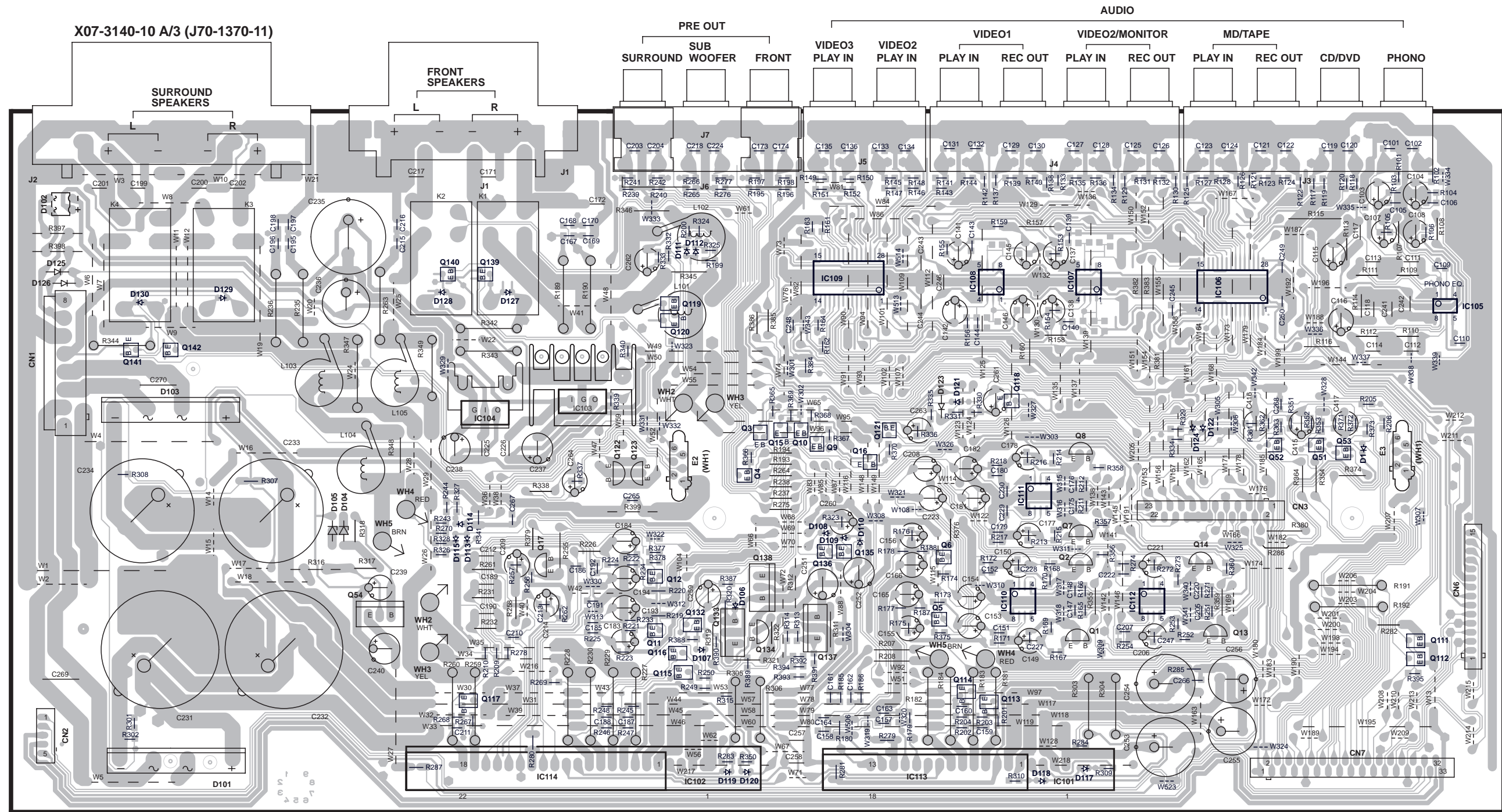
X07-3130-10/X07-3140-10 C/3 (J70-1412-11)/(J70-1370-11)



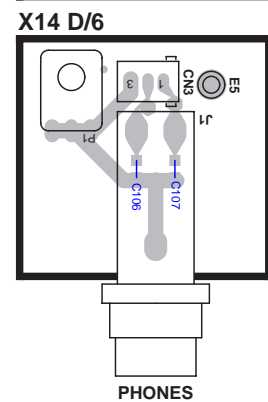
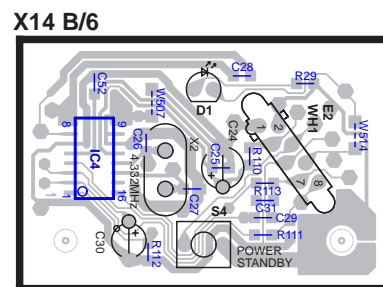
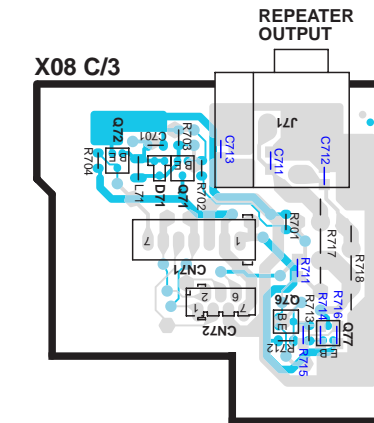
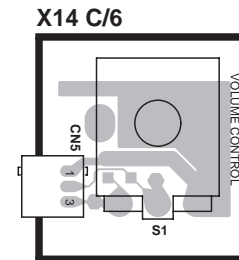
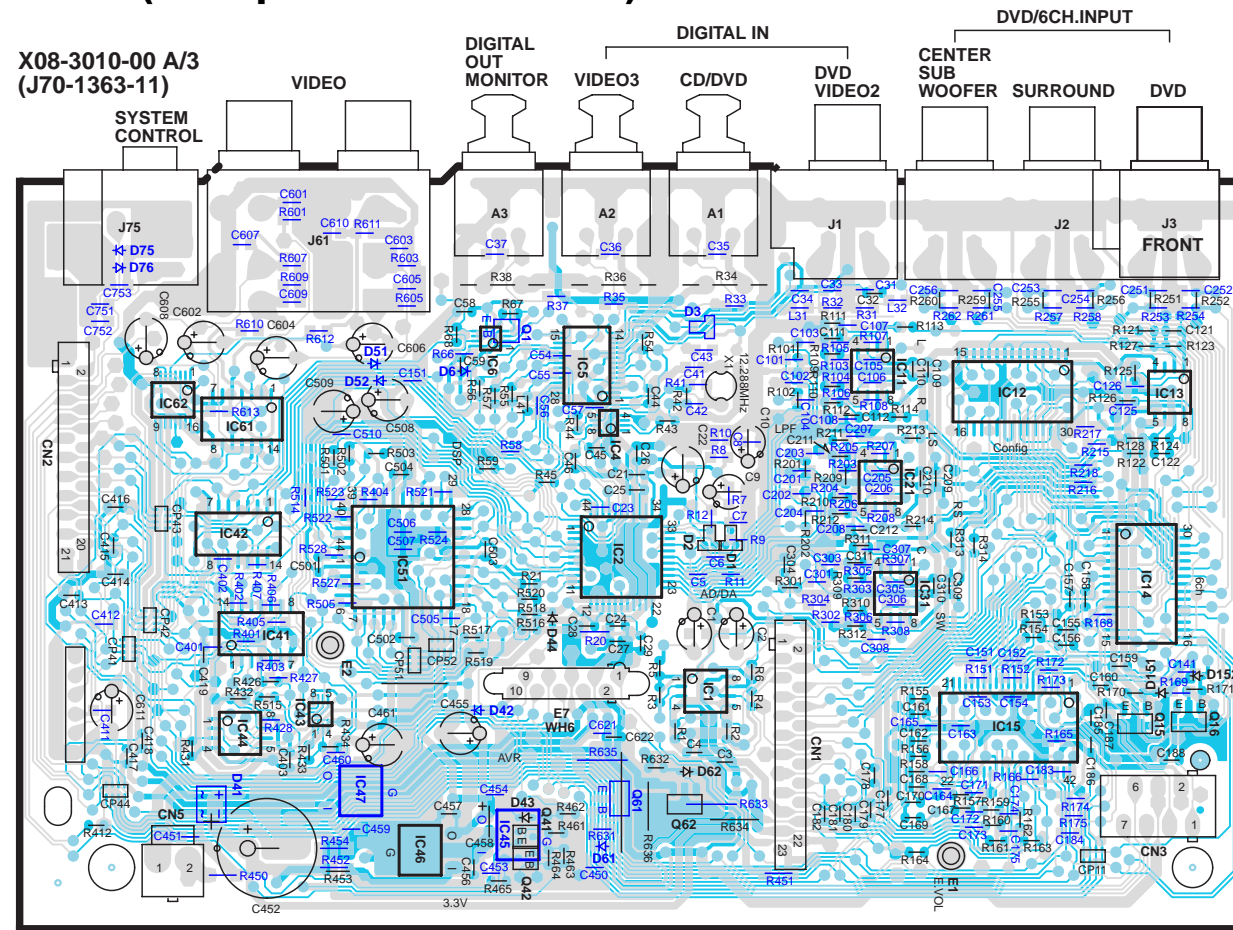
X07 B/3



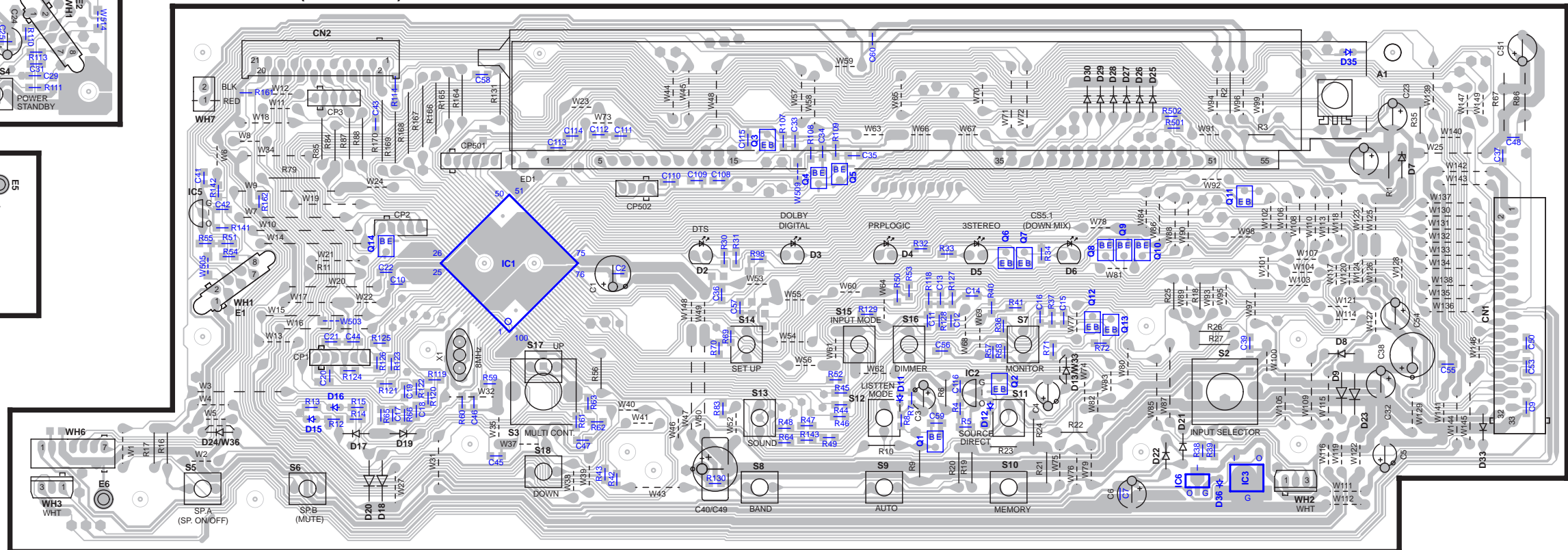
PC BOARD (Component side view)



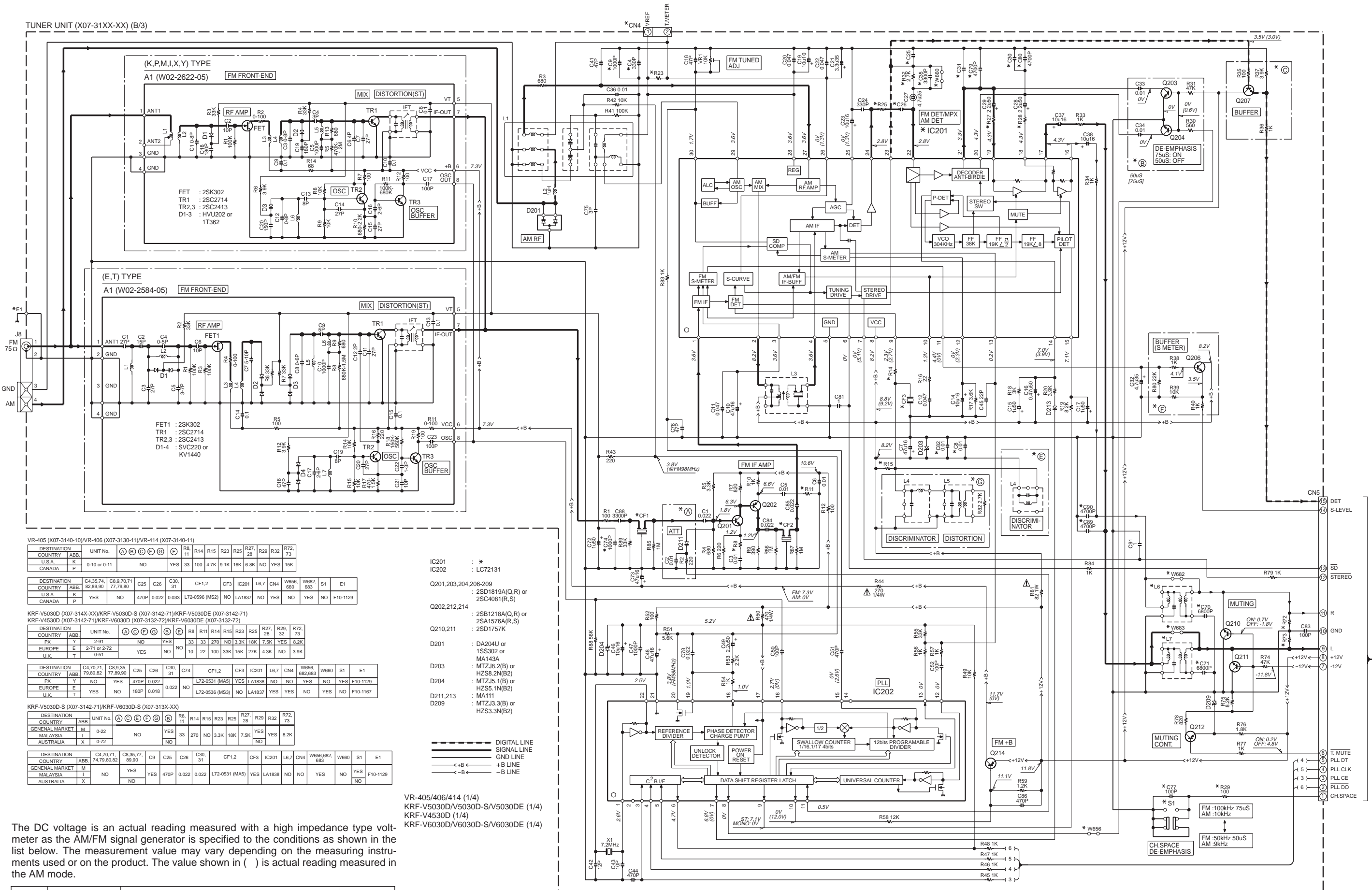
PC BOARD (Component side view)



X14-7120-10 A/6 (J70-1409-11)



TUNER UNIT (X07-31XX-XX) (B/3)



| VR-405 (X07-3140-10)/VR-406 (X07-3130-11)/VR-414 (X07-3140-11) | | | | | | | | | | | | | | | | | | | | | |
|--|---------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|------|------|---------|------|-----|---------|-----|
| DESTINATION | COUNTRY | UNIT No. | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | R8, 11 | R14 | R15 | R23 | R25 | R27, 28 | R29 | R32 | R72, 73 | |
| U.S.A. | K | | | | | | | | | | | YES | 33 | 100 | 4.7K | 9.1K | 16K | 6.8K | NO | YES | 15K |
| CANADA | P | 0-10 or 0-11 | | | | | | | | | | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |

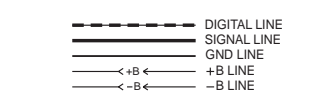
| KRF-V5030D (X07-314X-XX)/KRF-V5030D-S (X07-3142-71)/KRF-V5030DE (X07-3142-71) | | | | | | | | | | | | | | | | | | | | | |
|---|---------|----------|-----|-----|------|-------|-------|----------------|-----|--------|-----|----|-----|-----|-----|-----|-----|---------|-----|-----|---------|
| DESTINATION | COUNTRY | UNIT No. | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | R8 | R11 | R14 | R15 | R23 | R25 | R27, 28 | R29 | R32 | R72, 73 |
| U.S.A. | K | | YES | NO | 470P | 0.022 | 0.033 | L72-0596 (MS2) | NO | LA1837 | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| CANADA | P | | | | | | | | | | | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |

| KRF-V5030D-S (X07-3142-71)/KRF-V6030D-S (X07-313X-XX) | | | | | | | | | | | | | | | | | | | | | |
|---|---------|----------|-----|-----|------|-------|-------|----------------|-----|--------|-----|--------|-----|-----|-----|-----|---------|-----|-----|---------|----|
| DESTINATION | COUNTRY | UNIT No. | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | R8, 11 | R14 | R15 | R23 | R25 | R27, 28 | R29 | R32 | R72, 73 | |
| U.S.A. | K | | YES | NO | 470P | 0.022 | 0.022 | L72-0531 (MA5) | YES | LA1838 | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| CANADA | P | | | | | | | | | | | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |

| KRF-V5030D-S (X07-3142-71)/KRF-V6030D-S (X07-313X-XX) | | | | | | | | | | | | | | | | | | | | | |
|---|---------|----------|-----|-----|------|-------|-------|----------------|-----|--------|-----|--------|-----|-----|-----|-----|---------|-----|-----|---------|----|
| DESTINATION | COUNTRY | UNIT No. | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) | R8, 11 | R14 | R15 | R23 | R25 | R27, 28 | R29 | R32 | R72, 73 | |
| U.S.A. | K | | YES | NO | 470P | 0.022 | 0.022 | L72-0531 (MA5) | YES | LA1838 | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| CANADA | P | | | | | | | | | | | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |

- IC201 : *
- IC202 : LC72131
- Q201,203,204,206-209 : 2SD1819A(Q,R) or 2SC4081(R,S)
- Q202,212,214 : 2SB1218A(Q,R) or 2SA1576A(R,S)
- Q210,211 : 2SD1757K
- D201 : DA204U or 1SS302 or MA143A
- D203 : MTZJ8.2(B) or HZS8.2N(B2)
- D204 : MTZJ5.1(B) or HZS5.1N(B2)
- D211,213 : MA111
- D209 : MTZJ3.3(B) or HZS3.3N(B2)

VR-405/406/414 (1/4)
 KRF-V5030D/V5030D-S/V5030DE (1/4)
 KRF-V4530D (1/4)
 KRF-V6030D/V6030D-S/V6030DE (1/4)



The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

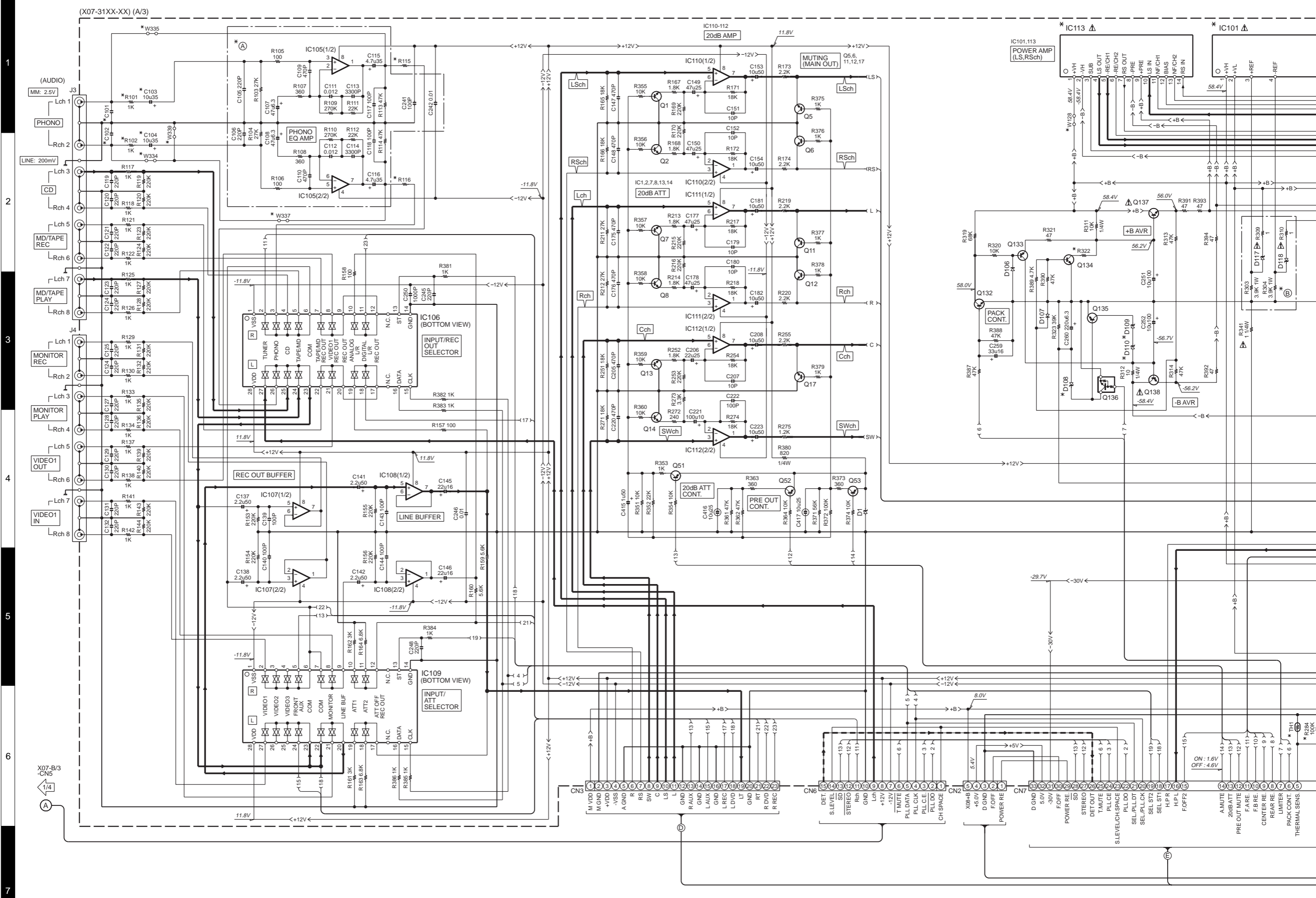
| MODE | CARRIER | MODULATION | | ANT INPUT |
|------|--------------|------------|------------------------------|-----------|
| | | FREQUENCY | DEVIATION | |
| FM | 98MHz | 1kHz | STEREO 67.5kHz 7.5kHz(Pilot) | 60dB |
| AM | 1000(999)kHz | 400Hz | MONO 30% MOD | 60dB |

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KRF-V4530D/V5030D/V6030D/VR-405/406/414

Y05-4050-10

KENWOOD



(X07-31XX-XX) (A/3)

2

3

4

5

6

7

(AUDIO)

PHONO

CD

MD/TAPE REC

MD/TAPE PLAY

MONITOR REC

MONITOR PLAY

VIDEO1 OUT

VIDEO1 IN

IC105(1/2)

PHONO EQ AMP

IC105(2/2)

IC106 (BOTTOM VIEW)

REC OUT BUFFER

IC107(1/2)

IC107(2/2)

IC108(1/2)

IC108(2/2)

IC109 (BOTTOM VIEW)

IC110-112

20dB AMP

IC110(1/2)

MUTING (MAIN OUT)

IC110(2/2)

20dB ATT

IC111(1/2)

IC111(2/2)

IC112(1/2)

IC112(2/2)

20dB ATT CONT.

PRE OUT CONT.

IC101,113

POWER AMP (LS,RSch)

IC101

X07-B/3 CN5

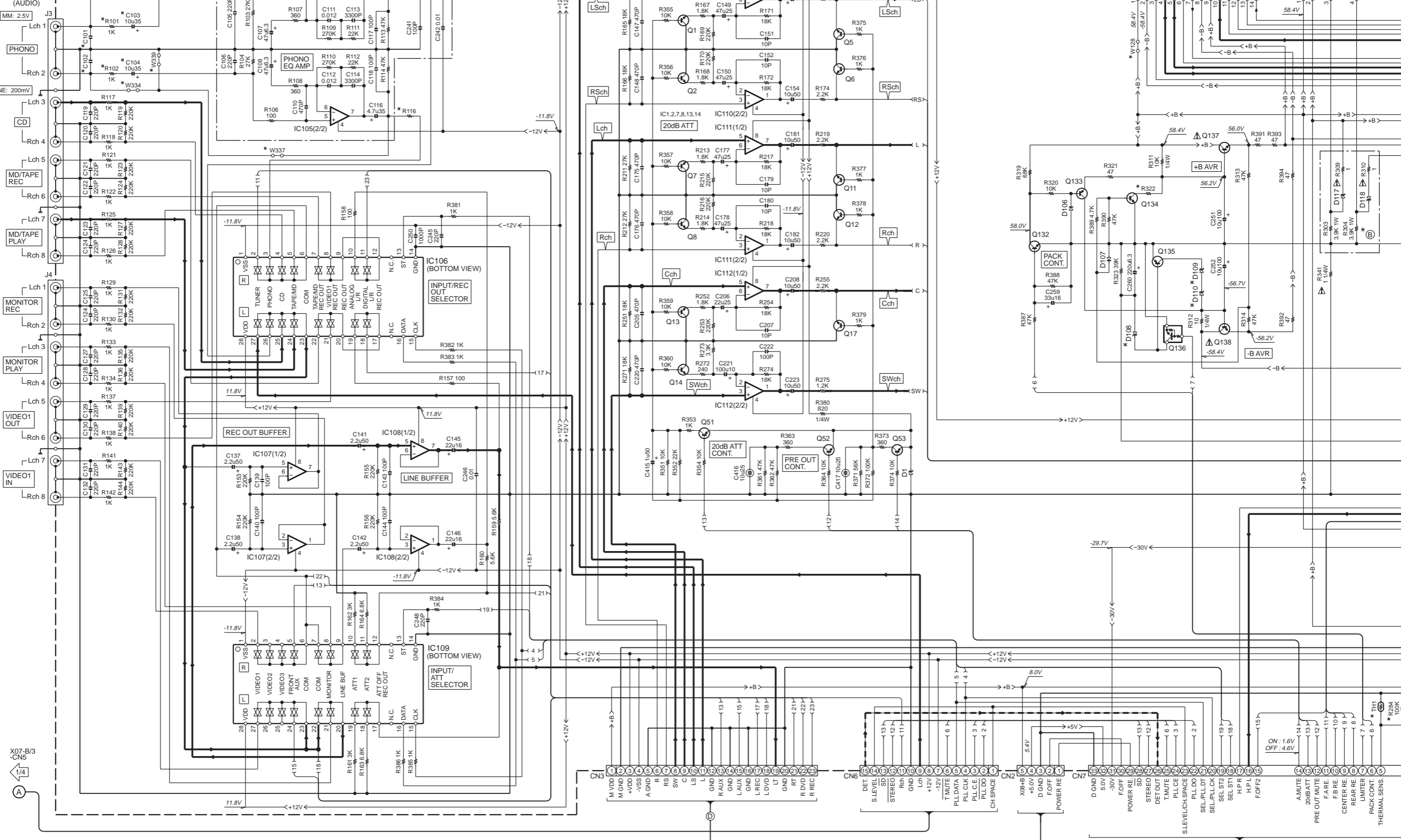
CN3

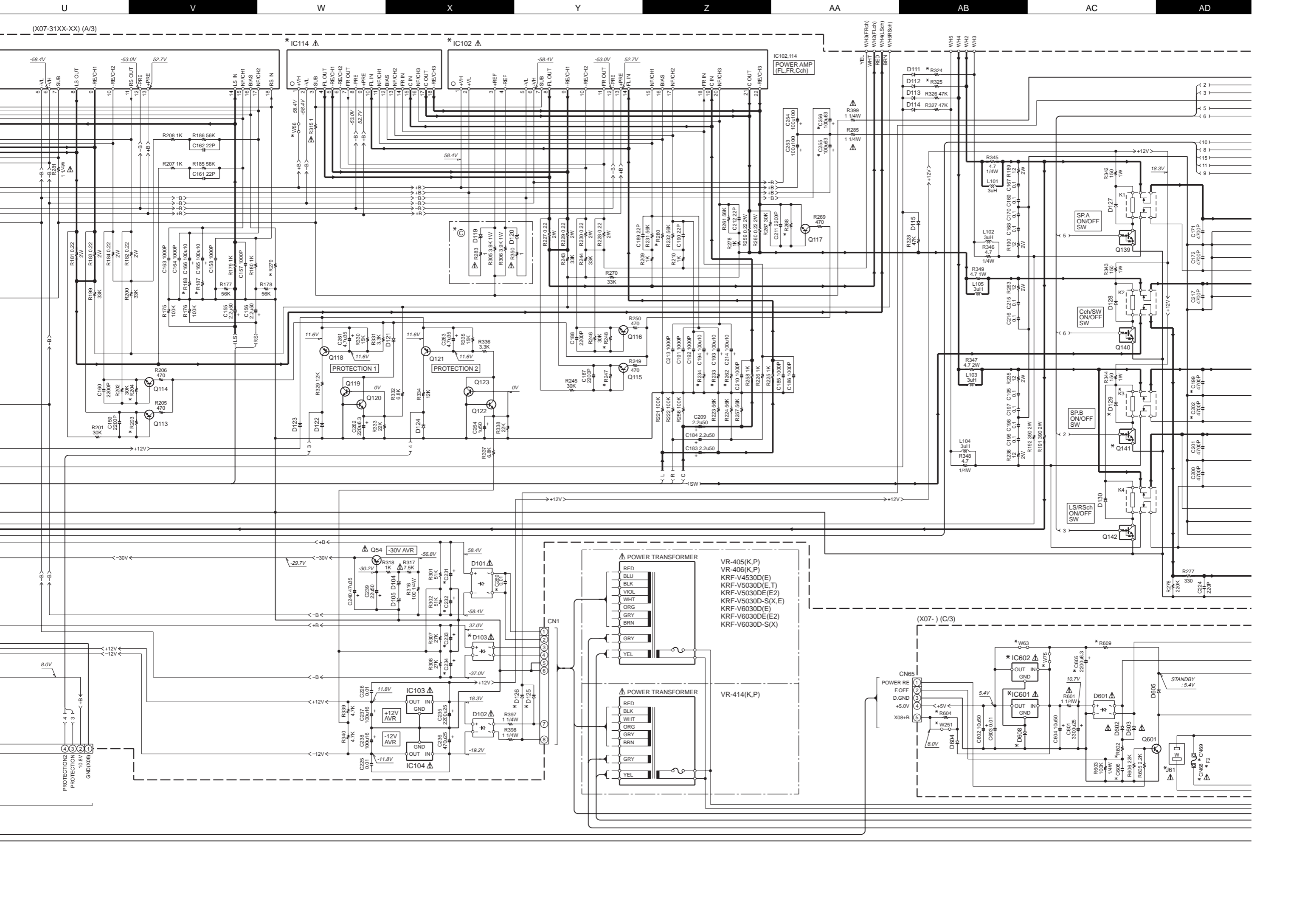
CN6

CN2

CN7

ON: 1.6V
OFF: 4.6V

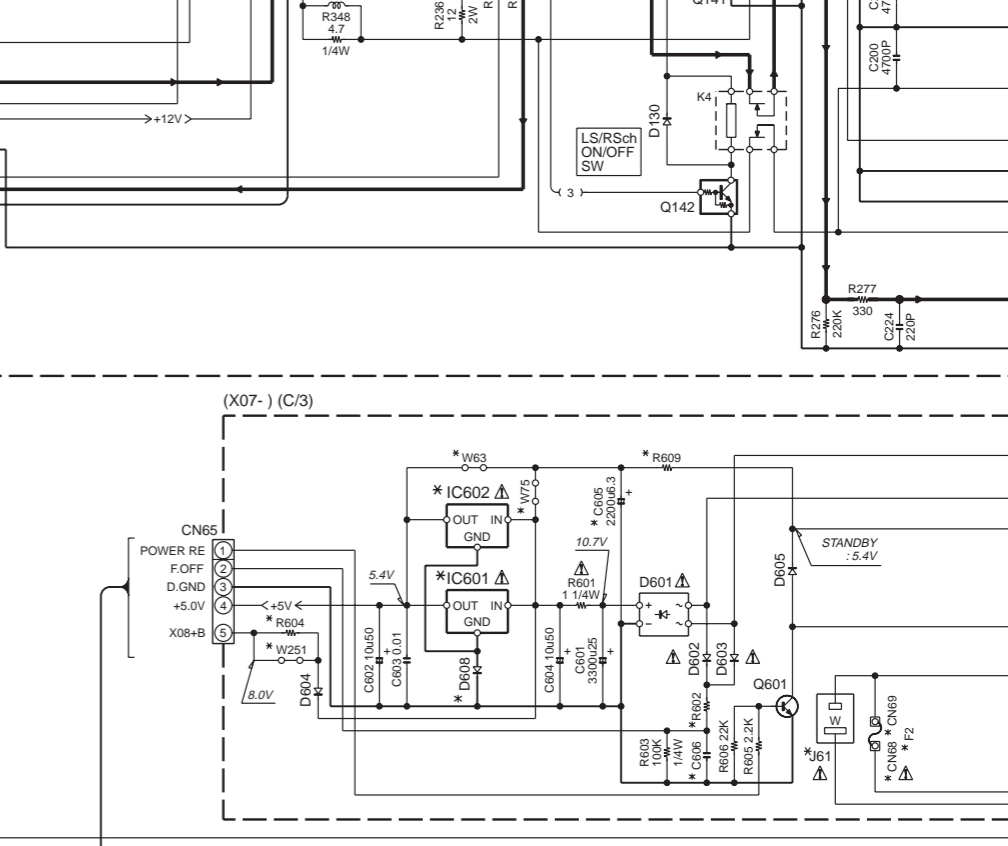
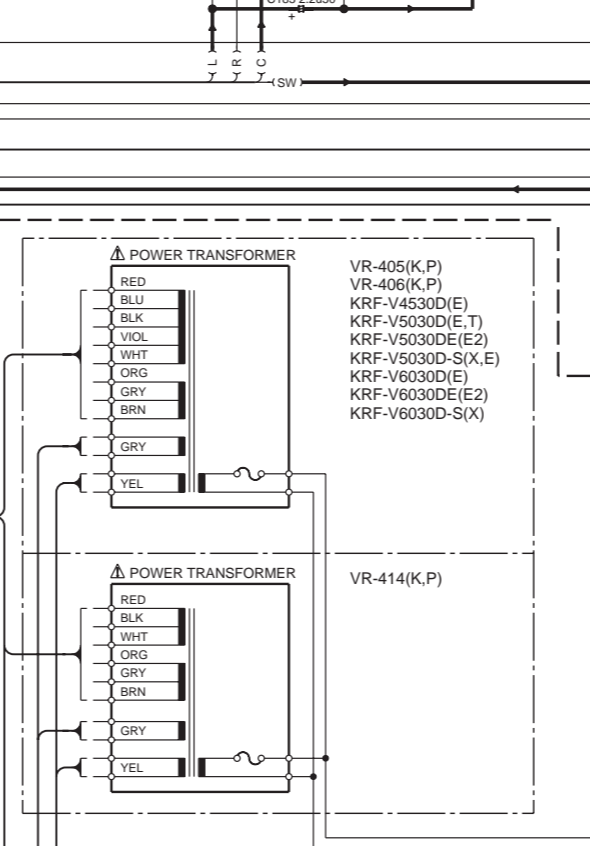
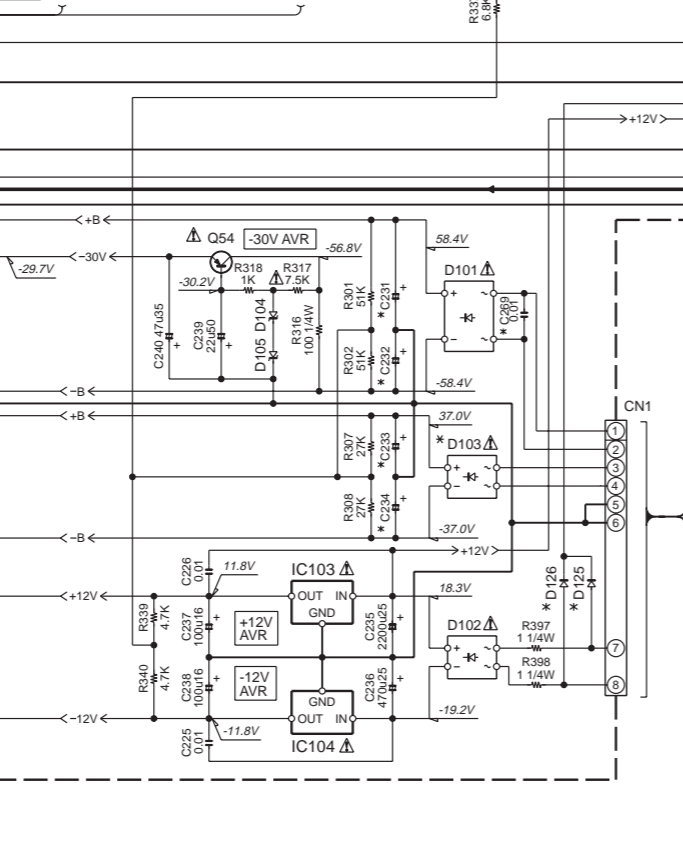
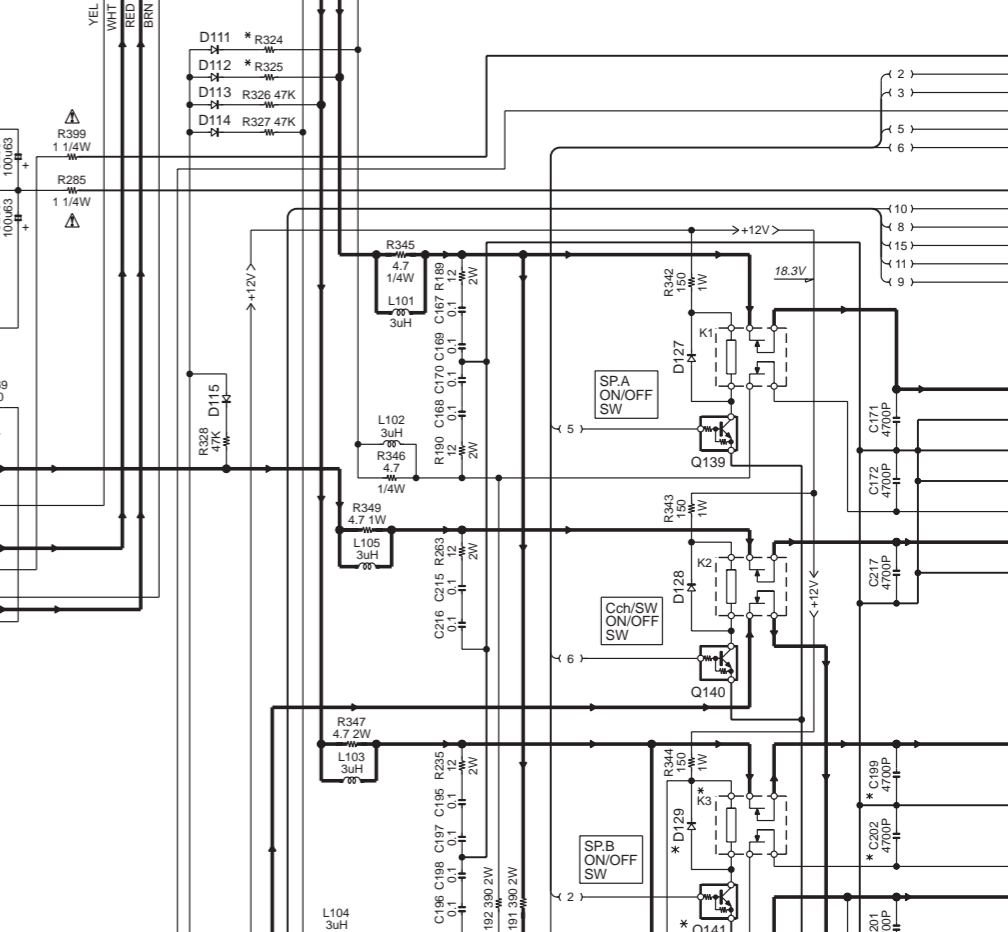
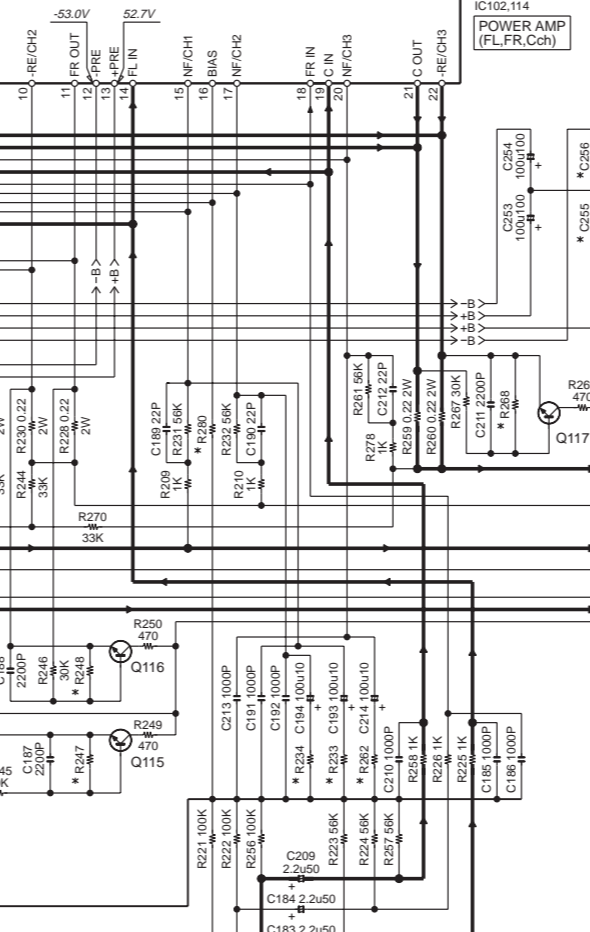
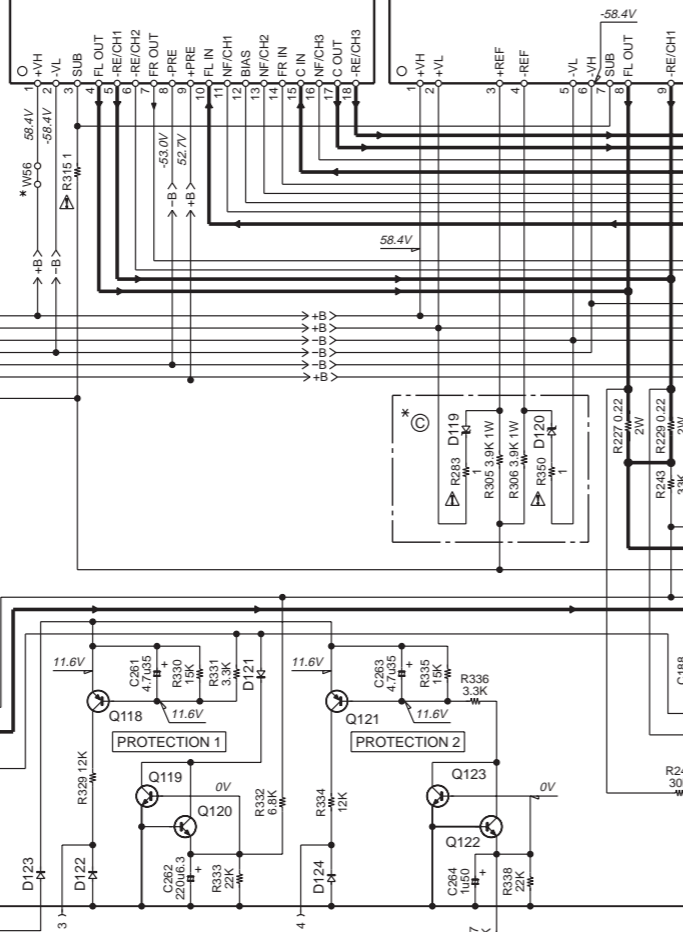
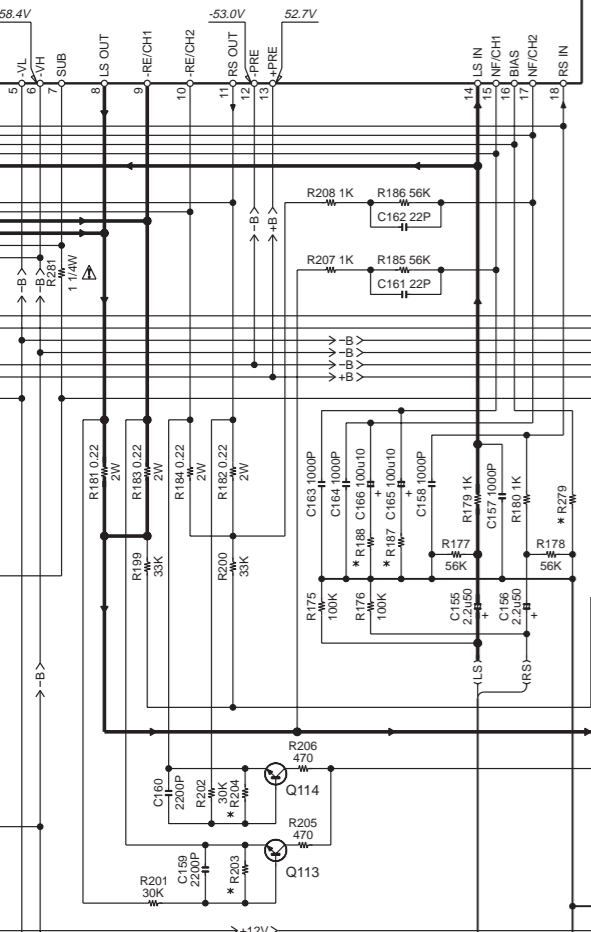




* IC114 Δ

* IC102 Δ

IC102,114
POWER AMP
(FL,FR,Cch)



VR-405(K,P)
VR-406(K,P)
KRF-V4530D(E)
KRF-V5030D(E,T)
KRF-V5030DE(E2)
KRF-V5030D-S(X,E)
KRF-V6030D(E)
KRF-V6030DE(E2)
KRF-V6030D-S(X)

VR-414(K,P)

(X07- (C/3))

PROTECTION 2

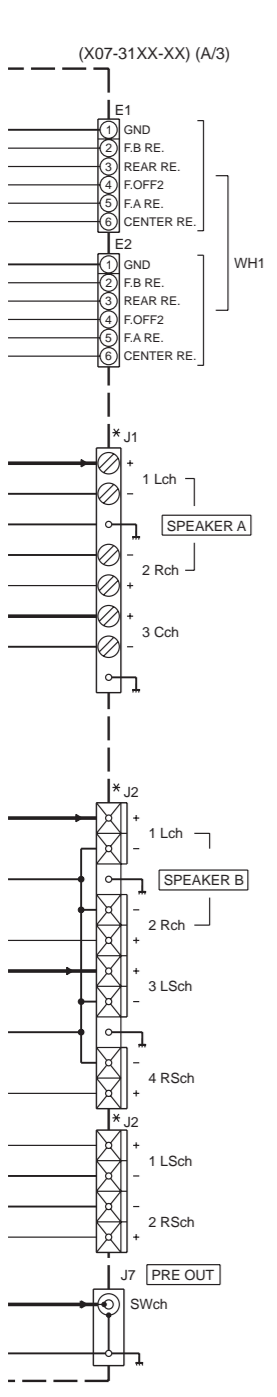
PROTECTION 1

GND(X08)

STANDBY :5.4V

* CN68 * CN69

* F2



(X07-) (A/3)
VR-406 (X07-3130-11)

| DESTINATION | UNIT No. | (A) | (B) | (C) | C101, 102 | C103, 104, 199, 202, 255, 256 | C231, 232 | C233, 234 | C269 | D103 | D108 | D109 | D110 | D125, 126 | D129 | IC101 | IC102 | IC113, 114 | J1 | J2 | K3 | Q141 | R101, 102, 284 | R115, 116 | R187, 188, 233, 234, 262 | R203, 204, 247, 248, 268 | R279, 280 | R322 | R324, 325 | TH1 | W56, 128, 334, 335, 337 | W339 |
|-------------|----------|------|-----|-----|-----------|-------------------------------|-----------|-----------|------|------------|---------|--------|--------|-----------|------|-------------|-------------|------------|-------|----|-----|------|----------------|-----------|--------------------------|--------------------------|-----------|------|-----------|-----|-------------------------|------|
| U.S.A. | K | 0-11 | YES | | 39P | YES | 4700u75 | 3300u42 | NO | D5SBA20F03 | UDZ8.2B | UDZ15B | UDZ16B | NO | YES | STK412-020A | STK413-020A | NO | SCREW | 8P | YES | YES | YES | 100 | 1.8K | 9.1K | 33K | 18K | 75K | NO | NO | YES |
| CANADA | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

KRF-V6030D/V6030DE (X07-3132-72)

| DESTINATION | UNIT No. | (A) | (B) | (C) | C101, 102 | C103, 104, 199, 202, 255, 256 | C231, 232 | C233, 234 | C269 | D103 | D108 | D109 | D110 | D125, 126 | D129 | IC101 | IC102 | IC113, 114 | J1 | J2 | K3 | Q141 | R101, 102, 284 | R115, 116 | R187, 188, 233, 234, 262 | R203, 204, 247, 248, 268 | R279, 280 | R322 | R324, 325 | TH1 | W56, 128, 334, 335, 337 | W339 | |
|-------------|----------|------|-----|-----|-----------|-------------------------------|-----------|-----------|------|------------|---------|--------|--------|-----------|------|-------------|-------------|------------|-------|----|-----|------|----------------|-----------|--------------------------|--------------------------|-----------|------|-----------|-----|-------------------------|------|-----|
| U.S.A. | K | 0-11 | YES | | 39P | YES | 4700u63 | 3300u42 | NO | D5SBA20F03 | UDZ8.2B | UDZ15B | UDZ16B | NO | YES | STK412-020A | STK413-020A | NO | SCREW | 8P | YES | YES | YES | 100 | 2.4K | 9.1K | 33K | NO | 18K | 75K | YES | NO | YES |
| EUROPE | E | 2-72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

KRF-V6030D-S (X07-313X-XX)

| DESTINATION | UNIT No. | (A) | (B) | (C) | C101, 102 | C103, 104, 199, 202, 255, 256 | C231, 232 | C233, 234 | C269 | D103 | D108 | D109 | D110 | D125, 126 | D129 | IC101 | IC102 | IC113, 114 | J1 | J2 | K3 | Q141 | R101, 102, 284 | R115, 116 | R187, 188, 233, 234, 262 | R203, 204, 247, 248, 268 | R279, 280 | R322 | R324, 325 | TH1 | W56, 128, 334, 335, 337 | W339 | |
|-------------|----------|------|-----|-----|-----------|-------------------------------|-----------|-----------|------|------------|---------|--------|--------|-----------|------|-------------|-------------|------------|-------|----|-----|------|----------------|-----------|--------------------------|--------------------------|-----------|------|-----------|-----|-------------------------|------|-----|
| U.S.A. | K | 0-11 | NO | | 220P | NO | 4700u63 | 3300u42 | YES | D5SBA20F03 | UDZ6.8B | UDZ16B | UDZ13B | NO | NO | STK412-010A | STK413-010A | NO | SCREW | 8P | YES | YES | YES | 100 | 2.2K | 11K | 33K | NO | 18K | 75K | YES | NO | YES |
| CANADA | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

VR-405 (X07-3140-10)

| DESTINATION | UNIT No. | (A) | (B) | (C) | C101, 102 | C103, 104, 199, 202, 255, 256 | C231, 232 | C233, 234 | C255, 256 | D103 | D108 | D109 | D110 | D125, 126 | D129 | IC101 | IC102 | IC113, 114 | J1 | J2 | K3 | Q141 | R101, 102, 284 | R115, 116 | R187, 188, 233, 234, 262 | R203, 204, 247, 248, 268 | R279, 280 | R322 | R324, 325 | TH1 | W56, 128, 334, 335, 337 | W339 | | |
|-------------|----------|------|-----|-----|-----------|-------------------------------|-----------|-----------|-----------|------------|---------|--------|--------|-----------|------|-------------|-------------|------------|-------|----|----|------|----------------|-----------|--------------------------|--------------------------|-----------|------|-----------|-----|-------------------------|------|-----|----|
| U.S.A. | K | 0-10 | NO | | 220P | NO | 4700u75 | 3300u42 | YES | D5SBA20F03 | UDZ6.8B | UDZ16B | UDZ13B | NO | NO | STK412-010A | STK413-010A | NO | LEVER | 4P | NO | NO | NO | NO | 1K | 2.2K | 11K | 33K | YES | 10K | 75K | NO | YES | NO |
| CANADA | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

VR-414 (X07-3140-11)

| DESTINATION | UNIT No. | (A) | (B) | (C) | C101, 102 | C103, 104, 199, 202, 255, 256 | C231, 232 | C233, 234 | C269 | D103 | D108 | D109, 110 | D110 | D125, 126 | D129 | IC101 | IC102 | IC113, 114 | J1 | J2 | K3 | Q141 | R101, 102, 284 | R115, 116 | R187, 188, 233, 234, 262 | R203, 204, 247, 248, 268 | R279, 280 | R322 | R324, 325 | TH1 | W56, 128, 334, 335, 337 | W339 | |
|-------------|----------|------|-----|-----|-----------|-------------------------------|-----------|-----------|------|------|---------|-----------|------|-----------|------|-------|-------|------------|----|----|------|------|----------------|-----------|--------------------------|--------------------------|-----------|------|-----------|-----|-------------------------|------|--|
| U.S.A. | K | 0-11 | NO | | 220P | NO | 4700u63 | 3300u42 | YES | NO | UDZ3.3B | UDZ13B | NO | NO | YES | LEVER | 4P | NO | NO | 1K | 2.7K | 15K | 10K | NO | NO | NO | NO | NO | NO | NO | NO | NO | |
| CANADA | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

KRF-V5030D-S (X07-314X-XX)

| DESTINATION | UNIT No. | (A) | (B) | (C) | C101, 102 | C103, 104, 199, 202, 255, 256 | C199, 202, 269 | C231, 232 | C233, 234 | D103 | D108 | D109 | D110 | D125, 126 | D129 | IC101 | IC102 | IC113, 114 | J1 | J2 | K3 | Q141 | R101, 102, 284 | R115, 116 | R187, 188, 233, 234, 262 | R203, 204, 247, 248, 268 | R279, 280 | R322 | R324, 325 | TH1 | W56, 128, 334, 335, 337 | W339 | | |
|-------------|----------|------|-----|-----|-----------|-------------------------------|----------------|-----------|-----------|------------|---------|--------|--------|-----------|------|-------------|-------------|------------|-------|----|----|------|----------------|-----------|--------------------------|--------------------------|-----------|------|-----------|-----|-------------------------|------|----|--|
| U.S.A. | K | 0-21 | YES | | 39P | YES | NO | 4700u75 | 3300u42 | D5SBA20F03 | UDZ6.8B | UDZ16B | UDZ13B | YES | NO | STK412-010A | STK413-010A | NO | LEVER | 4P | NO | NO | YES | 100 | 2.2K | 11K | 33K | NO | 10K | 75K | YES | YES | NO | |
| MALAYSIA | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUSTRALIA | X | 0-71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

KRF-V5030D (X07-314X-XX)/KRF-V4530D/V5030D/V5030D-S (X07-3142-71)

| DESTINATION | UNIT No. | (A) | (B) | (C) | C101, 102 | C103, 104, 199, 202, 255, 256 | C199, 202, 269 | C231, 232 | C233, 234 | D103 | D108 | D109 | D110 | D125, 126 | D129 | IC101 | IC102 | IC113, 114 | J1 | J2 | K3 | Q141 | R101, 102, 284 | R115, 116 | R187, 188, 233, 234, 262 | R203, 204, 247, 248, 268 | R279, 280 | R322 | R324, 325 | TH1 | W56, 128, 334, 335, 337 | W339 | | |
|-------------|----------|------|-----|-----|-----------|-------------------------------|----------------|-----------|-----------|------------|---------|--------|--------|-----------|------|-------------|-------------|------------|-------|----|----|------|----------------|-----------|--------------------------|--------------------------|-----------|------|-----------|-----|-------------------------|------|----|--|
| U.S.A. | K | 0-11 | NO | | 220P | NO | NO | 4700u63 | 3300u42 | D5SBA20F03 | UDZ6.8B | UDZ16B | UDZ13B | YES | NO | STK412-010A | STK413-010A | NO | LEVER | 4P | NO | NO | YES | 100 | 2.2K | 11K | 33K | NO | 10K | 75K | YES | YES | NO | |
| CANADA | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(X07-) (C/3)
VR-406 (X07-3130-11)

| DESTINATION | UNIT No. | C605 | C606 | CN62 | CN63, 64, 68, 69 | D608 | F1 | F2 | IC601 | IC602 | J61 | K601 | P61 | R602 | R604 | R609 | R610 | T1 | W23, 75, 250 | W63, 251 | |
|-------------|----------|------|------|------|------------------|------|-------------------|-------------|-------|-------|-----|----------|----------|------|----------|---------|---------|-----|----------------------|----------|----|
| U.S.A. | K | 0-11 | NO | 0.1 | YES | NO | 1SS133 or HSS104A | F50-0077 8A | NO | YES | NO | E03-0148 | S76-0099 | YES | 30K 1/4W | 10 1/4W | 27 1/4W | YES | L07-2758 or L07-2761 | YES | NO |
| CANADA | P | | | | | | | | | | | | | | | | | | | | |

KRF-V6030D/V6030DE (X07-3132-72)

| DESTINATION | UNIT No. | C605 | C606 | CN62, 64, 68, 69 | CN63 | CN64 | D608 | F1 | F2 | IC601 | IC602 | J61 | K601 | P61 | R602 | R604 | R609 | R610 | T1 | W23, 63, 250, 251 | W75 | |
|-------------|----------|------|------|------------------|------|------|------|--------|------------------|-----------------|-------|-----|----------|----------|------|----------|---------|---------|-----|----------------------|-----|-----|
| U.S.A. | K | 0-11 | NO | 0.1 | YES | NO | NO | RB721Q | F05-3121 T3.15AL | F05-2525 T2.5AL | NO | YES | E03-0149 | S76-0107 | NO | 20K 1/4W | 10 1/4W | 27 1/4W | YES | L07-2758 or L07-2761 | NO | YES |
| EUROPE | E | 2-72 | NO | 0.1 | YES | NO | NO | RB721Q | F05-3121 T3.15AL | F05-2525 T2.5AL | NO | YES | E03-0149 | S76-0107 | NO | 20K 1/4W | 10 1/4W | 27 1/4W | YES | L07-2758 or L07-2761 | NO | YES |

KRF-V6030D-S (X07-313X-XX)

| DESTINATION | UNIT No. | C605 | C606 | CN62, 64, 68, 69 | CN63 | CN64 | CN68, 69 | D608 | F1 | F2 | IC601 | IC602 | J61 | K601 | P61 | R602 | R604 | R609 | R610 | T1 | W23 | W63, W251 | W75 | W250 | | |
|-------------|----------|------|------|------------------|------|------|----------|------|--------|------------------|-------|-------|-----|----------|----------|------|-----------|---------|----------|----|----------------------|-----------|-----|------|-----|--|
| U.S.A. | K | 0-22 | YES | 0.068 | NO | YES | NO | NO | RB721Q | F05-3121 T3.15AL | NO | NO | YES | E03-0149 | S76-0107 | NO | 20K 1/4W | 10 1/4W | 27 1/4W | NO | L07-2805 | NO | YES | NO | YES | |
| MALAYSIA | I | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUSTRALIA | X | 0-72 | NO | 0.1 | YES | NO | NO | NO | RB721Q | F05-3121 T3.15AL | NO | NO | YES | E03-0325 | S76-0099 | NO | 180K 1/4W | 39 1/4W | 180 1/4W | NO | L07-2758 or L07-2761 | NO | NO | YES | NO | |

VR-405 (X07-3140-10)

| DESTINATION | UNIT No. | C605 | C606 | CN62 | CN63, 64, 68, 69 | D608 | F1 | F2 | IC601 | IC602 | J61 | K601 | P61 | R602 | R604 | R609 | R610 | T1 | W23, 75, 250 | W63, 251 | |
|-------------|----------|------|------|------|------------------|------|-------------------|-------------|-------|-------|-----|----------|----------|------|----------|---------|---------|-----|----------------------|----------|----|
| U.S.A. | K | 0-10 | NO | 0.1 | YES | NO | 1SS133 or HSS104A | F50-0077 8A | NO | YES | NO | E03-0148 | S76-0099 | YES | 30K 1/4W | 10 1/4W | 27 1/4W | YES | L07-2758 or L07-2761 | YES | NO |
| CANADA | P | | | | | | | | | | | | | | | | | | | | |

VR-414 (X07-3140-11)

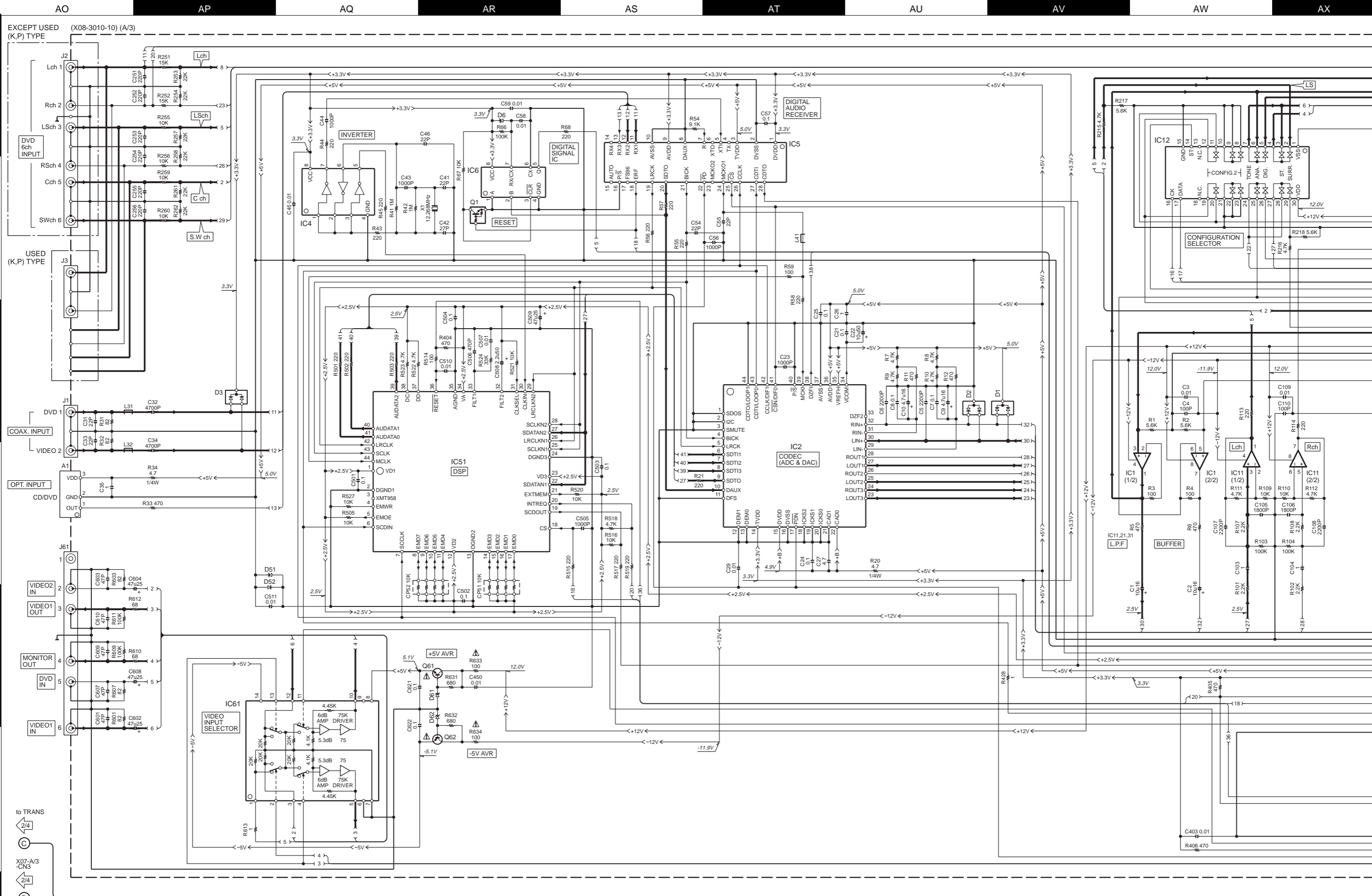
| DESTINATION | UNIT No. | C605 | C606 | CN62 | CN63, 64, 68, 69 | D608 | F1 | F2 | IC601 | IC602 | J61 | K601 | P61 | R602 | R604 | R609 | R610 | T1 | W23, 75, 250 | W63, 251 | |
|-------------|----------|------|------|------|------------------|------|-------------------|---------------|-------|-------|-----|----------|----------|------|----------|---------|---------|-----|----------------------|----------|----|
| U.S.A. | K | 0-11 | NO | 0.1 | YES | NO | 1SS133 or HSS104A | F50-0076 6.3A | NO | YES | NO | E03-0148 | S76-0099 | YES | 30K 1/4W | 10 1/4W | 27 1/4W | YES | L07-2758 or L07-2761 | YES | NO |
| CANADA | P | | | | | | | | | | | | | | | | | | | | |

KRF-V5030D-S (X07-314X-XX)

| DESTINATION | UNIT No. | C605 | C606 | CN62 | CN63 | CN64 | CN68, 69 | D608 | F1 | F2 | IC601 | IC602 | J61 | K601 | P61 | R602 | R604 | R609 | R610 | T1 | W23 | W63, W251 | W75 | W250 | |
|-------------|----------|------|------|-------|------|------|----------|------|--------|------------------|-------|-------|----------|----------|----------|-----------|----------|----------|---------|----------------------|----------|-----------|-----|------|-----|
| U.S.A. | K | 0-21 | YES | 0.068 | NO | YES | NO | NO | RB721Q | F05-3121 T3.15AL | NO | NO | YES | E03-0149 | S76-0099 | NO | 20K 1/4W | 10 1/4W | 27 1/4W | NO | L07-2805 | NO | YES | NO | YES |
| MALAYSIA | I | | | | | | | | | | | | | | | | | | | | | | | | |
| AUSTRALIA | X | 0-71 | NO | 0.1 | YES | NO | NO | NO | RB721Q | F05-3121 T3.15AL | NO | YES | E03-0149 | S76-0099 | NO | 150K 1/4W | 39 1/4W | 150 1/4W | NO | L07-2758 or L07-2761 | NO | NO | YES | NO | YES |

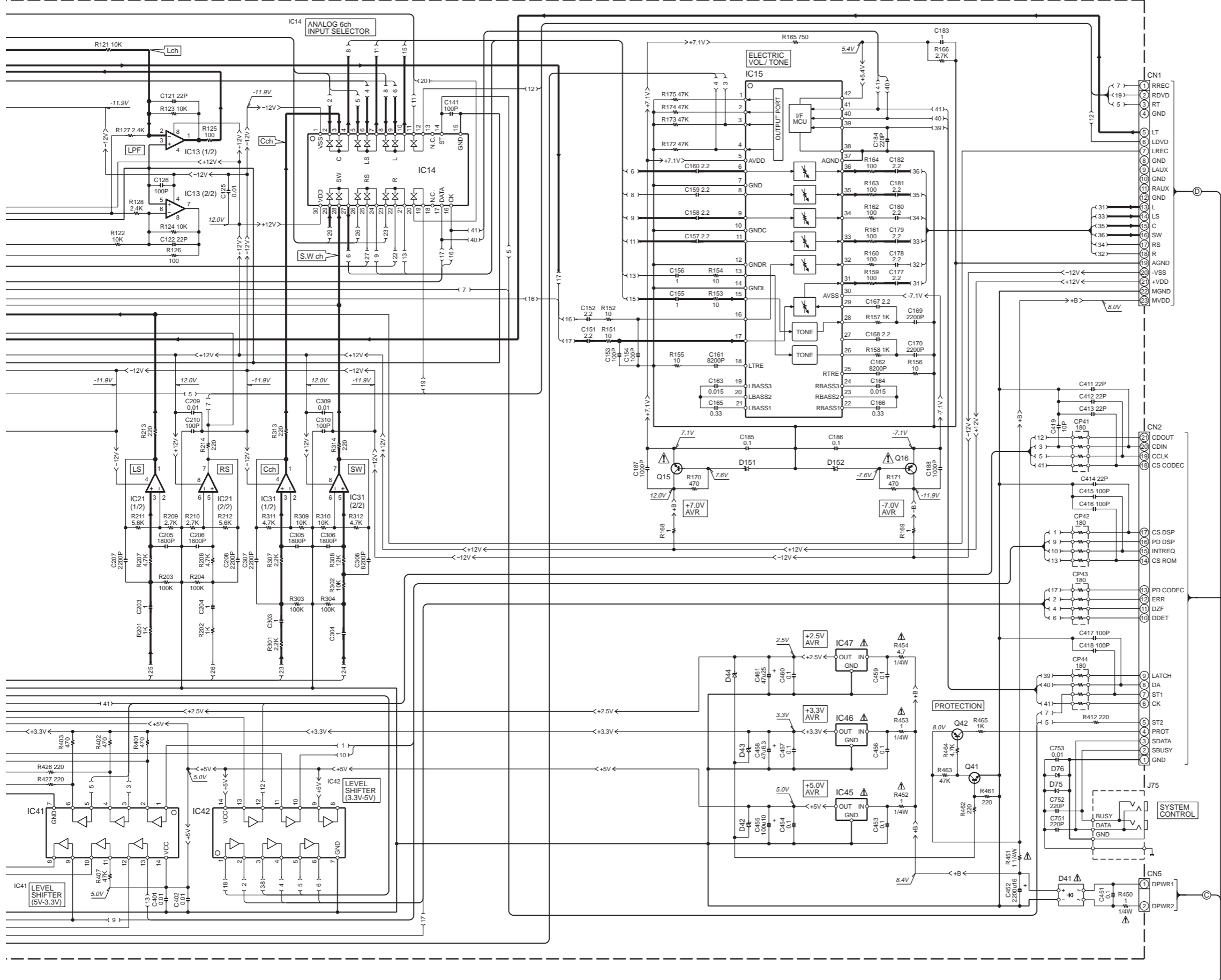
KRF-V5030D/V4530D/V5030D/V5030D-S (X07-314X-XX)

| DESTINATION | UNIT No. | C605 | C606 | CN62 | CN63 | CN64 | CN68, 69 | D608 | F1 | F2 | IC601 | IC602 | J61 | K601 | P61 | R602 | R604 | R609 | R610 | T1 | W23 | W63, W251 | W75 | W250 |
|-------------|----------|------|------|------|------|------|----------|------|-----------------|------------------|-------|-------|----------|----------|-----|----------|---------|---------|------|----------|-----|-----------|-----|------|
| U.S.A. | K | 0-11 | NO | 0.1 | YES | NO | NO | NO | F05-2525 T2.5AL | F05-3121 T3.15AL | NO | YES | E03-0148 | S76-0099 | NO | 20K 1/4W | 10 1/4W | 27 1/4W | YES | L07-2805 | NO | YES | NO | YES |
| EUROPE | E | 2-71 | NO | 0.1 | YES | NO | YES | NO | RB721Q | | | | | | | | | | | | | | | |



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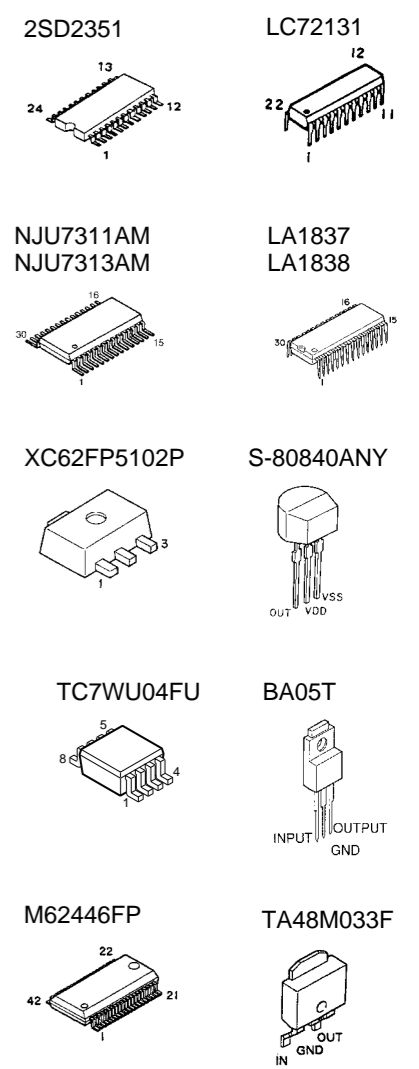
(X08-3010-10) (A/3)



- IC1,11,13,21,31 : NJM4565MD
- IC2 : AK4527-V0
- IC4 : TC7WU04FU
- IC5 : AK4110-VF
- IC6 : TC7WH123FU
- IC12,14 : NJM7311AM
- IC15 : M62446FP
- IC41 : TC74HC07AF
- IC42 : TC74HCT7007AF
- IC45 : TA48M05F
- IC46 : TA48M033F
- IC47 : TA48M025F
- IC51 : CS493253-CLR or CS493263-CLR
- IC61 : NJM2279M
- Q1 : DTC124EUA or UN5212
- Q15,61 : 2SD1664(Q,R) or 2SD1963(R,S)-G
- Q16,62 : 2SB1132(Q,R) or 2SB1308(Q,R)-G
- Q41 : 2SC4081(R,S) or 2SD1819A(Q,R)
- Q42 : 2SA1576A(Q,R,S) or 2SB1218A(Q,R)
- D1,3 : 1SS301 or DAN202U or MA142WK
- D2 : 1SS300 or DAP202U or MA142WA
- D6,75,76 : MA111
- D41 : S1ZB20(4072)
- D42,43,61,62 : UDZ5.6B
- D44 : UDZ3.9B
- D151,152 : UDZ7.5B

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

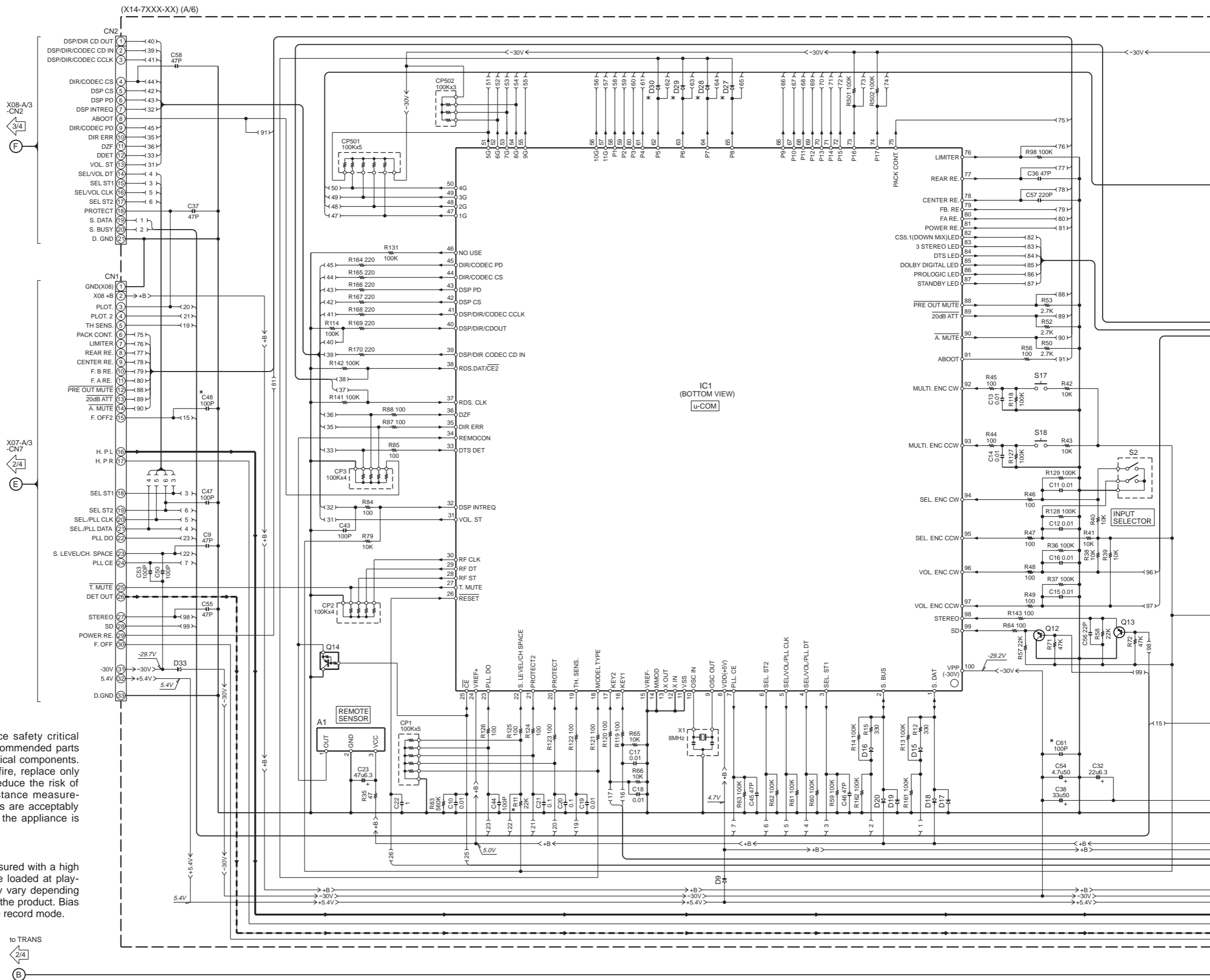


VR-405/406/414 (3/4)
 KRF-V5030D/V5030D-S/V5030DE (3/4)
 KRF-V4530D (3/4)
 KRF-V6030D/V6030D-S/V6030DE (3/4)

KRF-V4530D/V5030D/V6030D/VR-405/406/414

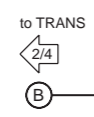
Y05-4050-10

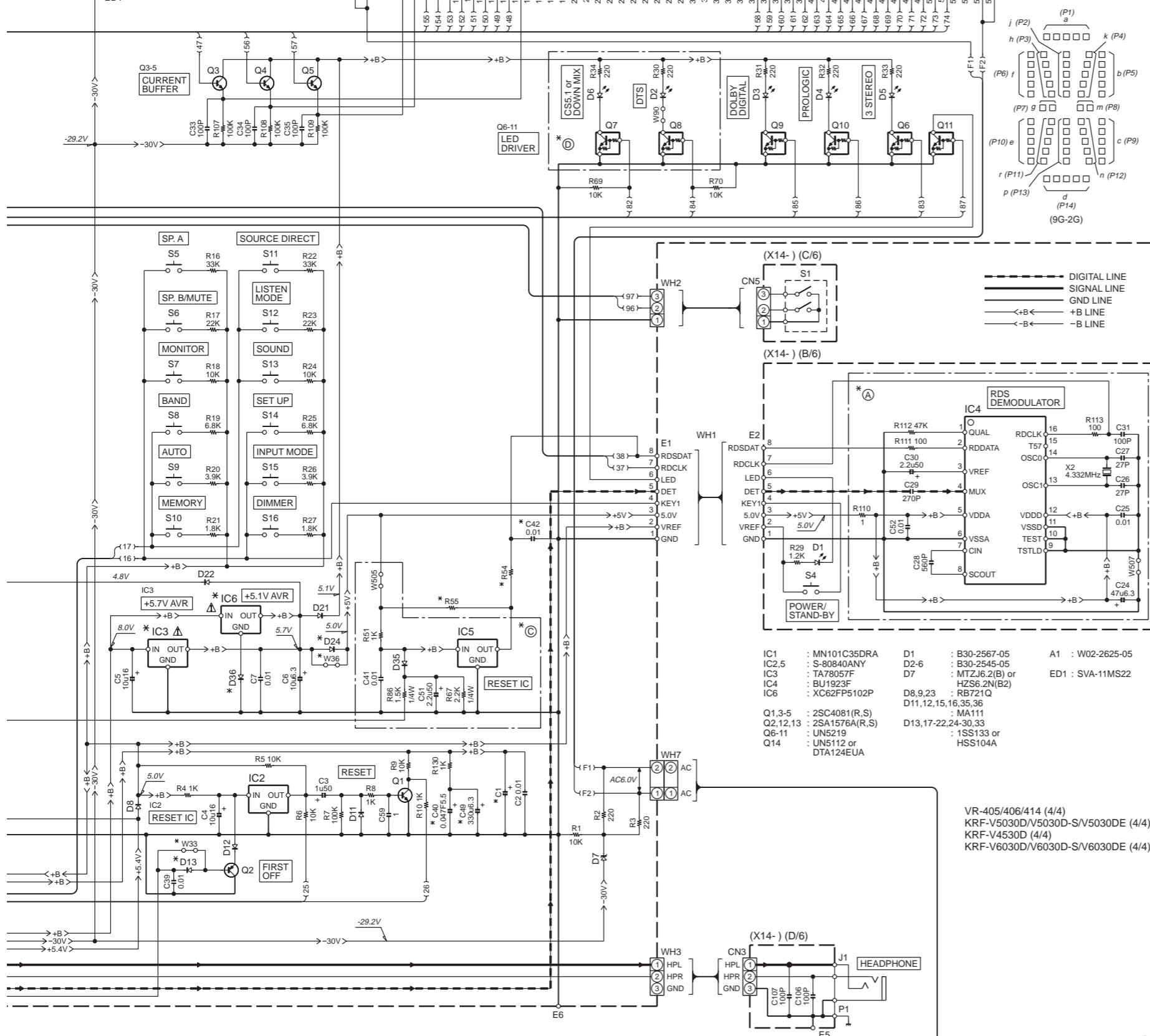
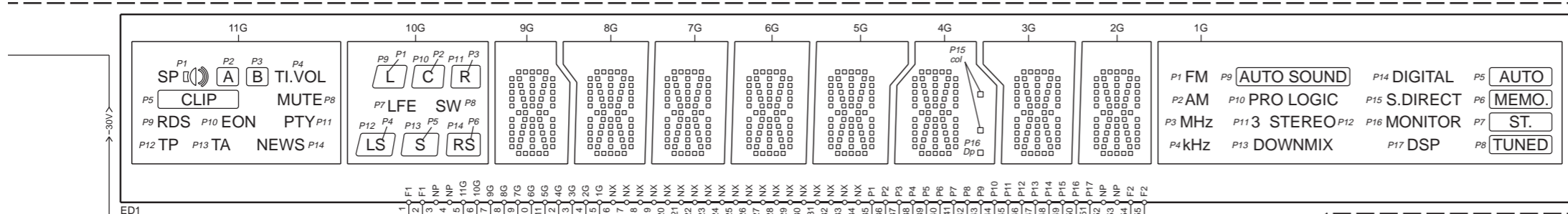
KENWOOD



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.





VR-406 (X14-7120-10)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (B) | (C) | (D) | C1 | C40,41,42,48,51,61 | C49 |
|-------------|---------|------|----------|-----|-----|-----|-----|---------|--------------------|-----|
| U.S.A. | K | | 0-10 | | | | | 330u6.3 | NO | YES |
| CANADA | P | | | | | | | | | |

| DESTINATION | COUNTRY | ABB. | D13, 27 | D24, 28-30,35,36 | IC3 | IC5, 6 | R11,51, 67,68 | R54, 55 | R69, 70 | W33,36, 505 |
|-------------|---------|------|---------|------------------|-----|--------|---------------|---------|---------|-------------|
| U.S.A. | K | | YES | NO | YES | NO | NO | NO | YES | NO |
| CANADA | P | | | | | | | | | |

KRF-V6030D (X14-7122-71) : KRF-V6030DE (X14-7122-71)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (B) | (C) | (D) | C1 | C40, 61 | C41,42,48, 49,51 |
|-------------|---------|------|----------|-----|-----|-----|-----|--------|---------|------------------|
| EUROPE | E | | 2-71 | YES | NO | NO | NO | 100u10 | YES | NO |

| DESTINATION | COUNTRY | ABB. | D13,29, 35,36 | D24,27, 28,30 | IC3 | IC5, 6 | R11,51, 67,68 | R54, 55 | R69, 70 | W33 | W36, 505 |
|-------------|---------|------|---------------|---------------|-----|--------|---------------|---------|---------|-----|----------|
| EUROPE | E | | NO | YES | YES | NO | NO | NO | YES | YES | NO |

KRF-V6030D-S (X14-712X-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (B) | (C) | (D) | C1 | C40, 42 | C41, 48,51, 61 | C49 |
|----------------|---------|------|----------|-----|-----|-----|-----|--------|---------|----------------|-----|
| GENERAL MARKET | M | | 0-21 | | | | | 100u10 | YES | YES | NO |
| MALAYSIA | I | | | NO | | | | | | | |
| AUSTRALIA | X | | 0-71 | | | | | | | | |

| DESTINATION | COUNTRY | ABB. | D13, 30 | D24 | D27, 28 | D29 | D35, 36 | IC3 | IC5, 6 | R11,51, 67,68 | R54, 55 | R69, 70 | W33, 505 | W36 |
|----------------|---------|------|---------|-----|---------|-----|---------|-----|--------|---------------|---------|---------|----------|-----|
| GENERAL MARKET | M | | NO | NO | YES | NO | NO | YES | NO | YES | YES | 10K | YES | YES |
| MALAYSIA | I | | NO | YES | | | | | | | | | | |
| AUSTRALIA | X | | YES | | | | YES | NO | YES | NO | 4.7K | YES | YES | NO |

VR-405/414 (X14-7120-11)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (B) | (C) | (D) | C1 | C40,41,42, 48,51,61 | C49 |
|-------------|---------|------|----------|-----|-----|-----|-----|---------|---------------------|-----|
| U.S.A. | K | | 0-11 | | | | | 330u6.3 | NO | YES |
| CANADA | P | | | | | | | | | |

| DESTINATION | COUNTRY | ABB. | D13 | D24,27-30, 35,36 | IC3 | IC5, 6 | R11,51, 67,86 | R54, 55 | R69, 70 | W33,36, 505 |
|-------------|---------|------|-----|------------------|-----|--------|---------------|---------|---------|-------------|
| U.S.A. | K | | YES | NO | YES | NO | NO | NO | YES | NO |
| CANADA | P | | | | | | | | | |

KRF-V5030D-S (X14-712X-XX) : KRF-V4530D, KRF-V5030D (X14-712X-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (B) | (C) | (D) | C1 | C40 | C41,48, 51 | C42 | C49 | C61 |
|----------------|---------|------|----------|-----|-----|-----|-----|--------|-----|------------|-----|-----|-----|
| GENERAL MARKET | M | | 0-22 | NO | NO | YES | NO | 100u10 | YES | YES | YES | NO | NO |
| MALAYSIA | I | | | | | | | | | | | | |
| AUSTRALIA | X | | 0-72 | | | | | | | | | | |
| EUROPE | E | | 2-72 | YES | | NO | | | YES | NO | NO | YES | |

| DESTINATION | COUNTRY | ABB. | D13, 27 | D24 | D28 | D29 | D30 | D35, 36 | IC3 | IC5, 6 | R11,51, 67,68 | R54, 55 | R69, 70 | W33 | W36 | W505 |
|----------------|---------|------|---------|-----|-----|-----|-----|---------|-----|--------|---------------|---------|---------|-----|-----|------|
| GENERAL MARKET | M | | NO | NO | YES | NO | NO | YES | NO | YES | YES | 10K | YES | YES | YES | YES |
| MALAYSIA | I | | NO | YES | | | | | | | | | | | | |
| AUSTRALIA | X | | YES | | | | | NO | YES | NO | NO | 4.7K | YES | YES | NO | NO |
| EUROPE | E | | | | | | | | | | | | | | | |

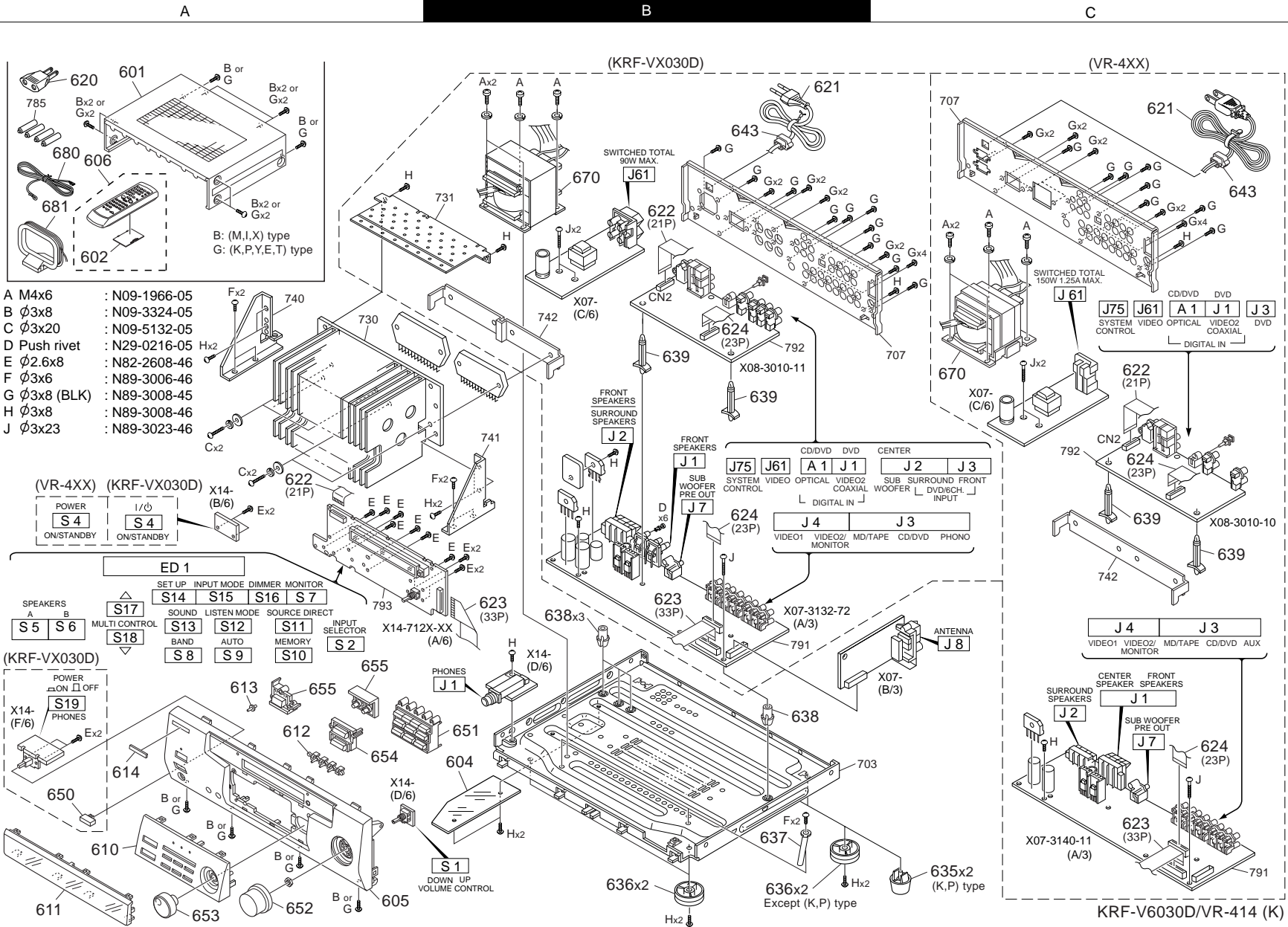
KRF-V5030D (X14-712X-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (B) | (C) | (D) | C1 | C40 | C41,42, 48,51 | C49 | C61 |
|-------------|---------|------|----------|-----|-----|-----|-----|--------|-----|---------------|-----|-----|
| PX | Y | | 0-22 | NO | NO | YES | NO | 100u10 | YES | YES | NO | YES |
| U.K. | T | | 2-72 | YES | | | | | | | | |

| DESTINATION | COUNTRY | ABB. | D13, 27-29 | D24, 30 | D28 | D35, 36 | IC3 | IC5, 6 | R11,51, 67,86 | R30, 34 | R54, 55 | R69, 70 | W33 | W36 | W505 |
|-------------|---------|------|------------|---------|-----|---------|-----|--------|---------------|---------|---------|---------|-----|-----|------|
| PX | Y | | NO | YES | YES | NO | YES | NO | YES | NO | NO | NO | YES | YES | NO |
| U.K. | T | | | | | | | | | | | | | | |

- IC1 : MN101C35DRA
- IC2,5 : S-80840ANY
- IC3 : TA78057F
- IC4 : BU1923F
- IC6 : XC62FP5102P
- D1 : B30-2567-05
- D2-6 : B30-2545-05
- D7 : MTZJ6.2(B) or HZS6.2N(B2)
- D8,9,23 : RB71Q
- D11,12,15,16,35,36 : MA111
- D13,17-22,24-30,33 : 1SS133 or HSS104A
- A1 : W02-2625-05
- ED1 : SVA-11MS22
- Q1-3,5 : 2SC4081(R,S)
- Q2,12,13 : 2SA1576A(R,S)
- Q6-11 : UN5219
- Q14 : UN5112 or DTA124EUA

VR-405/406/414 (4/4)
 KRF-V5030D/V5030D-S/V5030DE (4/4)
 KRF-V4530D (4/4)
 KRF-V6030D/V6030D-S/V6030DE (4/4)



KRF-V4530D/V5030D/V6030D/VR-405/406/414
 EXPLODED VIEW (UNIT)

* New Parts

Parts without **Parts No.** are not supplied.
 Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
 Teile ohne **Parts No.** werden nicht geliefert.

①

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|--|----------|-----------|-------------|----------------------------|--------------|----------|
| KRF-V6030D/VR-406 (Y05-4020-10) | | | | | | |
| 601 | 1A | * | A01-3733-01 | METALLIC CABINET | KPE | |
| 601 | 1A | * | A01-3734-01 | METALLIC CABINET | MIX | |
| 602 | 1A | * | A09-1178-08 | BATTERY COVER | | |
| 604 | 2B | * | A46-0309-04 | REAR COVER | | |
| 605 | 2A | * | A60-1740-11 | PANEL | KP | |
| 605 | 2A | * | A60-1757-11 | PANEL | MIX | |
| 605 | 2A | * | A60-1758-11 | PANEL | E | |
| 606 | 1A | * | A70-1330-05 | REMOTE CONTROL(RC-R0609) | KPMIX | |
| 606 | 1A | * | A70-1331-05 | REMOTE CONTROL(RC-R0610) | E | |
| 610 | 2A | * | B07-2477-02 | ESCUTCHEON | KPE | |
| 610 | 2A | * | B07-2478-02 | ESCUTCHEON | MIX | |
| 611 | 2A | * | B10-3549-02 | FRONT GLASS | KP | |
| 611 | 2A | * | B10-3550-02 | FRONT GLASS | MIX | |
| 611 | 2A | * | B10-3551-02 | FRONT GLASS | E | |
| 612 | 2A | * | B12-0384-04 | INDICATOR | | |
| 613 | 2A | * | B12-0385-04 | INDICATOR | | |
| 614 | 2A | * | B43-0314-04 | KENWOOD BADGE | | |
| - | - | - | B46-0096-53 | WARRANTY CARD | X | |
| - | - | - | B46-0310-03 | WARRANTY CARD | E | |
| - | - | - | B46-0328-03 | WARRANTY CARD | K | |
| - | - | - | B46-0346-00 | QUESTIONNAIRE CARD | K | |
| - | - | - | B46-0347-03 | WARRANTY CARD | P | |
| - | - | - | B58-0964-13 | CAUTION CARD (UL) | K | |
| - | - | - | B58-0965-13 | CAUTION CARD (PL) | X | |
| - | - | - | B58-0966-13 | CAUTION CARD (PL) | MIE6 | |
| - | - | - | B58-0967-03 | CAUTION CARD (PL) | P | |
| - | - | - | B58-1607-03 | CAUTION CARD | E7 | |
| - | - | * | B60-4598-00 | INSTRUCTION MANUAL(EN) | KPMIX | |
| - | - | * | B60-4599-00 | INSTRUCTION MANUAL(FR) | P | |
| - | - | * | B60-4600-00 | INSTRUCTION MANUAL(TC) | MI | |
| - | - | * | B60-4602-00 | INSTRUCTION MANUAL(EN) | E7 | |
| - | - | * | B60-4603-00 | INSTRUCTION MANUAL(ES) | ME6 | |
| - | - | * | B60-4604-00 | INSTRUCTION MANUAL(FR/GE) | E6 | |
| - | - | * | B60-4605-00 | INSTRUCTION MANUAL(IT/NE) | E6 | |
| - | - | * | B60-4606-00 | INSTRUCTION MANUAL(RU/PL) | E7 | |
| - | - | * | B60-4607-00 | INSTRUCTION MANUAL(CZ/HU) | E7 | |
| - | - | * | B60-4617-00 | INSTRUCTION MANUAL(EN(R)) | KPMIX | |
| - | - | * | B60-4618-00 | INSTRUCTION MANUAL(FR(R)) | P | |
| - | - | * | B60-4619-00 | INSTRUCTION MANUAL(ES(R)) | M | |
| - | - | * | B60-4620-00 | INSTRUCTION MANUAL(TC(R)) | MI | |
| - | - | * | B60-4622-00 | INSTRUCTION MANUAL(5-L(R)) | E6 | |
| - | - | * | B60-4623-00 | INSTRUCTION MANUAL(5-L(R)) | E7 | |
| Δ 620 | 1A | * | E03-0115-05 | AC PLUG ADAPTER | MI | |
| Δ 621 | 1B | * | E30-2717-05 | AC POWER CORD | X | |
| Δ 621 | 1B | * | E30-2941-05 | AC POWER CORD | KP | |
| Δ 621 | 1B | * | E30-2942-05 | AC POWER CORD | MIE | |
| 622 | 1A,1B | * | E35-2455-05 | FLAT CABLE (21P) | | |
| 623 | 2B | * | E35-2456-05 | FLAT CABLE (33P) | | |
| 624 | 1B,2B | * | E35-2480-05 | FLAT CABLE (23P) | | |
| - | - | * | G10-0536-04 | NON-WOVEN FABRIC | | |
| - | - | * | G11-2416-04 | CUSHION | | |

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②

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|--|----------|-----------|-------------|-------------------------------|--------------|----------|
| - | - | * | H10-7628-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | - | * | H10-7629-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | - | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | | |
| - | - | * | H25-0391-04 | PROTECTION BAG | | |
| - | - | * | H50-3607-04 | ITEM CARTON CASE | KP | |
| - | - | * | H50-3608-04 | ITEM CARTON CASE | E6 | |
| - | - | * | H50-3609-04 | ITEM CARTON CASE | X | |
| - | - | * | H50-3610-04 | ITEM CARTON CASE | MI | |
| - | - | * | H50-3651-04 | ITEM CARTON CASE | E7 | |
| 635 | 2C | * | J02-1013-05 | FOOT | KP | |
| 636 | 2B | * | J02-1464-03 | FOOT | | |
| 637 | 2B | * | J19-2808-05 | HOLDER | | |
| 638 | 2B | * | J19-3752-14 | UNIT HOLDER | | |
| 639 | 1B | * | J19-5919-05 | UNIT HOLDER | | |
| Δ 643 | 1B | * | J42-0083-05 | POWER CORD BUSHING | | |
| - | - | * | J61-0307-05 | WIRE BAND | | |
| 650 | 2A | * | K27-2384-04 | KNOB (BUTTON) | E | |
| 650 | 2A | * | K27-2385-04 | KNOB (BUTTON) | MIX | |
| 651 | 2B | * | K29-7675-12 | KNOB | KPE | |
| 651 | 2B | * | K29-7676-12 | KNOB | MIX | |
| 652 | 2A | * | K29-7678-04 | KNOB | KPE | |
| 652 | 2A | * | K29-7679-04 | KNOB | MIX | |
| 653 | 2A | * | K29-7681-14 | KNOB | KPE | |
| 653 | 2A | * | K29-7682-14 | KNOB | MIX | |
| 654 | 2A | * | K29-7684-03 | KNOB | KPE | |
| 654 | 2A | * | K29-7685-03 | KNOB | MIX | |
| 655 | 2A | * | K29-7687-03 | KNOB | KPE | |
| 655 | 2A | * | K29-7688-03 | KNOB | MIX | |
| Δ 670 | 1B | * | L07-2787-05 | POWER TRANSFORMER | KP | |
| Δ 670 | 1B | * | L07-2788-05 | POWER TRANSFORMER | MI | |
| Δ 670 | 1B | * | L07-2789-05 | POWER TRANSFORMER | X | |
| Δ 670 | 1B | * | L07-2790-05 | POWER TRANSFORMER | E | |
| 680 | 1A | * | T90-0836-05 | LEAD WIRE ANTENNA | | |
| 681 | 1A | * | T90-0852-05 | LOOP ANTENNA | | |
| KRF-V5030D/KRF-V4530D/VR-405/VR-414 (Y05-4050-10) | | | | | | |
| 601 | 1A | * | A01-3733-01 | METALLIC CABINET | E1E2E4 | |
| 601 | 1A | * | A01-3733-01 | METALLIC CABINET | KPYT | |
| 601 | 1A | * | A01-3734-01 | METALLIC CABINET | E3 | |
| 601 | 1A | * | A01-3734-01 | METALLIC CABINET | MIX | |
| 602 | 1A | * | A09-1178-08 | BATTERY COVER | | |
| 604 | 2B | * | A46-0309-04 | REAR COVER | | |
| 605 | 2A | * | A60-1759-01 | PANEL | KP | |
| 605 | 2A | * | A60-1760-11 | PANEL | MIXE3 | |
| 605 | 2A | * | A60-1761-11 | PANEL | E1E2E4 | |
| 605 | 2A | * | A60-1761-11 | PANEL | YT | |
| 606 | 1A | * | A70-1328-05 | REMOTE CONTROL(RC-R0509) | KPYMIX | |
| 606 | 1A | * | A70-1329-05 | REMOTE CONTROL(RC-R0510) | ET | |
| 610 | 2A | * | B07-2477-02 | ESCUTCHEON | E1E2E4 | |
| 610 | 2A | * | B07-2477-02 | ESCUTCHEON | KPYT | |
| 610 | 2A | * | B07-2478-02 | ESCUTCHEON | MIXE3 | |
| 611 | 2A | * | B10-3552-02 | FRONT GLASS | K5P5 | |
| 611 | 2A | * | B10-3553-02 | FRONT GLASS | YMIX | |

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|---------|---------|-----------|-------------|-------------------------------|-------------|---------|
| 611 | 2A | * | B10-3574-02 | FRONT GLASS | E1E2E3 | |
| 611 | 2A | * | B10-3574-02 | FRONT GLASS | T | |
| 611 | 2A | * | B10-3575-02 | FRONT GLASS | K4P4 | |
| 611 | 2A | * | B10-3605-02 | FRONT GLASS | E4 | |
| 612 | 2A | * | B12-0384-04 | INDICATOR | | |
| 613 | 2A | * | B12-0385-04 | INDICATOR | | |
| 614 | 2A | * | B43-0314-04 | KENWOOD BADGE | X | |
| | | * | B46-0096-53 | WARRANTY CARD | ET | |
| | | * | B46-0310-03 | WARRANTY CARD | KY | |
| | | * | B46-0328-03 | WARRANTY CARD | | |
| | | * | B46-0346-00 | QUESTIONNAIRE CARD | K | |
| | | * | B46-0347-03 | WARRANTY CARD | P | |
| | | * | B58-0513-04 | CAUTION CARD (PRESET220-240) | Y | |
| | | * | B58-0945-03 | CAUTION CARD | T | |
| | | * | B58-0964-13 | CAUTION CARD (UL) | KY | |
| | | * | B58-0965-13 | CAUTION CARD (PL) | XT | |
| | | * | B58-0966-13 | CAUTION CARD (PL) | E1E3E4 | |
| | | * | B58-0966-13 | CAUTION CARD (PL) | MI | |
| | | * | B58-0967-03 | CAUTION CARD (L) | P | |
| | | * | B58-1607-03 | CAUTION CARD | E2 | |
| | | * | B59-1104-00 | SERVICE DIRECTORY | Y | |
| | | * | B60-4598-00 | INSTRUCTION MANUAL(EN) | KPYMIX | |
| | | * | B60-4599-00 | INSTRUCTION MANUAL(FR) | P | |
| | | * | B60-4600-00 | INSTRUCTION MANUAL(TC) | MI | |
| | | * | B60-4602-00 | INSTRUCTION MANUAL(EN) | T1E2 | |
| | | * | B60-4603-00 | INSTRUCTION MANUAL(ES) | E1E3E4 | |
| | | * | B60-4603-00 | INSTRUCTION MANUAL(ES) | M | |
| | | * | B60-4604-00 | INSTRUCTION MANUAL(FR/GE) | E1E3E4 | |
| | | * | B60-4605-00 | INSTRUCTION MANUAL(IT/NE) | E1E3E4 | |
| | | * | B60-4606-00 | INSTRUCTION MANUAL(RU/PL) | E2 | |
| | | * | B60-4607-00 | INSTRUCTION MANUAL(CZ/HU) | E2 | |
| Δ 620 | 1A | * | E03-0115-05 | AC PLUG ADAPTER | MI | |
| Δ 621 | 1C | * | E30-2605-05 | AC POWER CORD | Y | |
| Δ 621 | 1C | * | E30-2717-05 | AC POWER CORD | X | |
| Δ 621 | 1C | * | E30-2721-05 | AC POWER CORD | T | |
| Δ 621 | 1C | * | E30-2941-05 | AC POWER CORD | KP | |
| Δ 621 | 1C | * | E30-2942-05 | AC POWER CORD | MIE | |
| 622 | 1A,1C | * | E35-2455-05 | FLAT CABLE (21P) | | |
| 623 | 2B,2C | * | E35-2456-05 | FLAT CABLE (33P) | | |
| 624 | 1C,2C | * | E35-2480-05 | FLAT CABLE (23P) | | |
| | | * | G10-0536-04 | NON-WOVEN FABRIC | | |
| | | * | G11-2416-04 | CUSHION | | |
| | | * | H10-7628-02 | POLYSTYRENE FOAMED FIXTURE | | |
| | | * | H10-7629-02 | POLYSTYRENE FOAMED FIXTURE | | |
| | | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | E | |
| | | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | KPYMIX | |
| | | * | H25-0391-04 | PROTECTION BAG | | |
| | | * | H25-0651-04 | PROTECTION BAG | T | |
| | | * | H50-3611-04 | ITEM CARTON CASE | K5P5 | |
| | | * | H50-3612-04 | ITEM CARTON CASE | YE1T | |
| | | * | H50-3613-04 | ITEM CARTON CASE | XE3 | |
| | | * | H50-3614-04 | ITEM CARTON CASE | MI | |
| | | * | H50-3615-04 | ITEM CARTON CASE | K4P4 | |

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|---|---------|-----------|---------------|-----------------------------|-------------|---------|
| - | | * | H50-3661-04 | ITEM CARTON CASE | E2 | |
| - | | * | H50-3734-04 | ITEM CARTON CASE | E4 | |
| 635 | 2C | * | J02-1013-05 | FOOT | KP | |
| 636 | 2B | * | J02-1464-03 | FOOT | | |
| 637 | 2B | * | J19-2808-05 | HOLDER | | |
| 638 | 2B | * | J19-3752-14 | UNIT HOLDER | | |
| 639 | 2C | * | J19-5919-05 | UNIT HOLDER | | |
| Δ 643 | 1C | * | J42-0083-05 | POWER CORD BUSHING | | |
| - | | * | J61-0307-05 | WIRE BAND | | |
| 650 | 2A | * | K27-2384-04 | KNOB (BUTTON) | E1E2E4 | |
| 650 | 2A | * | K27-2384-04 | KNOB (BUTTON) | YT | |
| 650 | 2A | * | K27-2385-04 | KNOB (BUTTON) | MIXE3 | |
| 651 | 2B | * | K29-7675-12 | KNOB | E1E2E4 | |
| 651 | 2B | * | K29-7675-12 | KNOB | KPYT | |
| 651 | 2B | * | K29-7676-12 | KNOB | MIXE3 | |
| 652 | 2A | * | K29-7678-04 | KNOB | E1E2E4 | |
| 652 | 2A | * | K29-7678-04 | KNOB | KPYT | |
| 652 | 2A | * | K29-7679-04 | KNOB | MIXE3 | |
| 653 | 2A | * | K29-7681-14 | KNOB | E1E2E4 | |
| 653 | 2A | * | K29-7681-14 | KNOB | KPYT | |
| 653 | 2A | * | K29-7682-14 | KNOB | MIXE3 | |
| 654 | 2A | * | K29-7684-03 | KNOB | E1E2E4 | |
| 654 | 2A | * | K29-7684-03 | KNOB | KPYT | |
| 654 | 2A | * | K29-7685-03 | KNOB | MIXE3 | |
| 655 | 2A | * | K29-7687-03 | KNOB | E1E2E4 | |
| 655 | 2A | * | K29-7687-03 | KNOB | KPYT | |
| 655 | 2A | * | K29-7688-03 | KNOB | MIXE3 | |
| Δ 670 | 1C | * | L07-2794-05 | POWER TRANSFORMER | K5P5 | |
| Δ 670 | 1C | * | L07-2795-05 | POWER TRANSFORMER | YMI | |
| Δ 670 | 1C | * | L07-2796-05 | POWER TRANSFORMER | X | |
| Δ 670 | 1C | * | L07-2797-05 | POWER TRANSFORMER | E | |
| Δ 670 | 1C | * | L07-2800-05 | POWER TRANSFORMER | K4P4 | |
| 680 | 1A | * | T90-0836-05 | LEAD WIRE ANTENNA | | |
| 681 | 1A | * | T90-0852-05 | LOOP ANTENNA | | |
| POWER SUPPLY (X00-3000-20) Y,M,I type only | | | | | | |
| CN1 | | | E40-8386-05 | PIN ASSY | | |
| Δ F3 | | | F05-3121-05 | FUSE (SEMKO) (250V T3.15AL) | | |
| CN2 ,3 | | | J13-0075-05 | FUSE CLIP | | |
| Δ S1 | | | S62-0001-05 | SLIDE SWITCH | | |
| POWER AMP (X07-3130-11, X07-3140-10) | | | | | | |
| C1 | | | CK73FB1H223K | CHIP C | 0.022UF | K |
| C2 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C3 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C4 | | | CC73FCH1H331J | CHIP C | 330PF | J |
| C5 ,6 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C7 | | | CE04LW1C470M | ELECTRO | 47UF | 16WV |
| C8 | | | CK73EB1H103K | CHIP C | 0.010UF | K |
| C9 | | | CC73FCH1H102J | CHIP C | 1000PF | J |
| C10 | | | CE04LW1C470M | ELECTRO | 47UF | 16WV |
| C11 ,12 | | | CK73FB1H473K | CHIP C | 0.047UF | K |

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KRF-V4530D/V5030D/V6030D/NR-405/406/414
PARTS LIST

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5

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|---------------------|--------------|----------|
| C14 | | | CE04LW1C100M | ELECTRO 10UF 16VV | | |
| C15 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| C16 | | | CE04RW1HR47M | ELECTRO 0.47UF 50WV | | |
| C17 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| C18 | | | CC73FCH1H470J | CHIP C 47PF J | | |
| C19 | | | CE04RW1A100M | ELECTRO 10UF 10VV | | |
| C20 | | | CK73FB1H473K | CHIP C 0.047UF K | | |
| C21 | | | CE04RW1V3R3M | ELECTRO 3.3UF 35WV | | |
| C22 | | | CK73FB1H473K | CHIP C 0.047UF K | | |
| C23 | | | CE04LW1C100M | ELECTRO 10UF 16VV | | |
| C24 | | | CK73FB1H331K | CHIP C 330PF K | | |
| C25 | | | CC73FCH1H181J | CHIP C 180PF J | ET | |
| C25 | | | CC73FCH1H471J | CHIP C 470PF J | KPYMIX | |
| C26 | | | CK73FB1H183K | CHIP C 0.018UF K | ET | |
| C26 | | | CK73FB1H223K | CHIP C 0.022UF K | KPYMIX | |
| C27 | | | CE04HW1E4R7M | NP-ELEC 4.7UF 25WV | | |
| C28, 29 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C30, 31 | | | CK73FB1H223K | CHIP C 0.022UF K | YMIXET | |
| C30, 31 | | | CK73FB1H333K | CHIP C 0.033UF K | KP | |
| C32 | | | CE04LW1V4R7M | ELECTRO 4.7UF 35WV | | |
| C33, 34 | | | CK73FB1H103K | CHIP C 0.010UF K | YMI | |
| C35 | | | CK73FB1H332K | CHIP C 3300PF K | KPYMIX | |
| C36 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C37, 38 | | | CE04LW1C100M | ELECTRO 10UF 16VV | | |
| C41 | | | CC73FCH1H470J | CHIP C 47PF J | | |
| C42 | | | CC73FCH1H120J | CHIP C 12PF J | | |
| C43 | | | CC73FCH1H100D | CHIP C 10PF D | | |
| C44 | | | CK73FB1H471K | CHIP C 470PF K | | |
| C45 | | | CC73FCH1H220J | CHIP C 22PF J | | |
| C46 | | | CE04LW1C100M | ELECTRO 10UF 16VV | | |
| C47 | | | CK73FB1H102K | CHIP C 1000PF K | | |
| C48 | | | CE04LW1C470M | ELECTRO 47UF 16VV | | |
| C49 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C50 | | | CC73FCH1H101J | CHIP C 100PF J | | |
| C51 | | | CK73FB1H471K | CHIP C 470PF J | | |
| C52 | | | CC73FCH1H101J | CHIP C 100PF J | | |
| C70, 71 | | | CK73FB1H682K | CHIP C 6800PF K | ET | |
| C72 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| C73 | | | CE04LW1C470M | ELECTRO 47UF 16VV | | |
| C74 | | | CK73FB1H102K | CHIP C 1000PF K | KP | |
| C75 | | | CC73FCH1H030C | CHIP C 3.0PF C | | |
| C76 | | | CC73FCH1H470J | CHIP C 47PF J | | |
| C77 | | | CC73FCH1H101J | CHIP C 100PF J | YMI | |
| C78 | | | CK73FB1H223K | CHIP C 0.022UF K | | |
| C79, 80 | | | CK73FB1H472K | CHIP C 4700PF K | ET | |
| C81 | | | CK73FF1C105Z | CHIP C 1.0UF Z | | |
| C82 | | | CK73FB1H103K | CHIP C 0.010UF K | KPET | |
| C83 | | | CC73FCH1H101J | CHIP C 100PF J | | |
| C84, 85 | | | CK73FB1H223K | CHIP C 0.022UF K | | |
| C86 | | | CK73FB1H471K | CHIP C 470PF K | | |
| C88 | | | CK73FB1H332K | CHIP C 3300PF K | | |
| C89, 90 | | | CK73FB1H472K | CHIP C 4700PF K | KPYMIX | |
| C91 | | | CK73FF1C105Z | CHIP C 1.0UF Z | | |
| C101,102 | | | CC73FCH1H221J | CHIP C 220PF J | KP | 45 |
| C101,102 | | | CC73FCH1H390J | CHIP C 39PF J | | 6 |

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6

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|--------------------|--------------|----------|
| C101,102 | | | CC73FCH1H390J | CHIP C 39PF J | ETXMIY | 5 |
| C103,104 | | * | CE04RW1V100M | ELECTRO 10UF 35WV | | 6 |
| C103,104 | | * | CE04RW1V100M | ELECTRO 10UF 35WV | ETXMIY | 5 |
| C105,106 | | | CC73FCH1H221J | CHIP C 220PF J | | 6 |
| C105,106 | | | CC73FCH1H221J | CHIP C 220PF J | ETXMIY | 5 |
| C107,108 | | | CE04RW0J470M | ELECTRO 47UF 6.3WV | | 6 |
| C107,108 | | | CE04RW0J470M | ELECTRO 47UF 6.3WV | ETXMIY | 5 |
| C109,110 | | | CC73FCH1H471J | CHIP C 470PF J | | 6 |
| C109,110 | | | CC73FCH1H471J | CHIP C 470PF J | ETXMIY | 5 |
| C111,112 | | | CQ93FMG1H123J | MYLAR 0.012UF J | | 6 |
| C111,112 | | | CQ93FMG1H123J | MYLAR 0.012UF J | ETXMIY | 5 |
| C113,114 | | | CK45FB1H332K | CERAMIC 3300PF K | | 6 |
| C113,114 | | | CK45FB1H332K | CERAMIC 3300PF K | ETXMIY | 5 |
| C115,116 | | | CE04LW1V4R7M | ELECTRO 4.7UF 35WV | | 6 |
| C115,116 | | | CE04LW1V4R7M | ELECTRO 4.7UF 35WV | ETXMIY | 5 |
| C117,118 | | | CC45FCH1H101J | CERAMIC 100PF J | | 6 |
| C117,118 | | | CC45FCH1H101J | CERAMIC 100PF J | ETXMIY | 5 |
| C119-132 | | | CC73FCH1H221J | CHIP C 220PF J | | |
| C137,138 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C139,140 | | | CC73FCH1H101J | CHIP C 100PF J | | |
| C141,142 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C143,144 | | | CC73FCH1H101J | CHIP C 100PF J | | |
| C145,146 | | | CE04LW1C220M | ELECTRO 22UF 16VV | | |
| C147,148 | | | CC73FCH1H471J | CHIP C 470PF J | | |
| C149,150 | | | CE04LW1E470M | ELECTRO 47UF 25WV | | |
| C151,152 | | | CC73FCH1H100D | CHIP C 10PF D | | |
| C153,154 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C155,156 | | | CE04KW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C157,158 | | | CC73FCH1H102J | CHIP C 1000PF J | | |
| C159,160 | | | CK73FB1H222K | CHIP C 2200PF K | | |
| C161,162 | | | CC73FCH1H220J | CHIP C 22PF J | | |
| C163,164 | | | CC73FCH1H102J | CHIP C 1000PF J | | |
| C165,166 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C167-170 | | | CK73FF1E104Z | CHIP C 0.10UF Z | | |
| C171,172 | | | CQ93FMG1H472J | MYLAR 4700PF J | | |
| C175,176 | | | CC73FCH1H471J | CHIP C 470PF J | | |
| C177,178 | | | CE04LW1E470M | ELECTRO 47UF 25WV | | |
| C179,180 | | | CC73FCH1H100D | CHIP C 10PF D | | |
| C181,182 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C183,184 | | | CE04KW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C185,186 | | | CC73FCH1H102J | CHIP C 1000PF J | | |
| C187,188 | | | CK73FB1H222K | CHIP C 2200PF K | | |
| C189,190 | | | CC45FCH1H220J | CERAMIC 22PF J | | |
| C191,192 | | | CC73FCH1H102J | CHIP C 1000PF J | | |
| C193,194 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C195-198 | | | CK73FF1E104Z | CHIP C 0.10UF Z | | |
| C199 | | | CQ93FMG1H472J | MYLAR 4700PF J | | 6 |
| C200,201 | | | CQ93FMG1H472J | MYLAR 4700PF J | | |
| C202 | | | CQ93FMG1H472J | MYLAR 4700PF J | | 6 |
| C205 | | | CC73FCH1H471J | CHIP C 470PF J | | |
| C206 | | | CE04LW1E470M | ELECTRO 47UF 25WV | | |
| C207 | | | CC73FCH1H100D | CHIP C 10PF D | | |
| C208 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C209 | | | CE04KW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C210 | | | CC73FCH1H102J | CHIP C 1000PF J | | |

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7

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|----------|----------|-----------|---------------|-----------------|--------------|----------|
| C211 | | | CK73FB1H222K | CHIP C 2200PF | K | |
| C212 | | | CC45FCH1H220J | CERAMIC 22PF | J | |
| C213 | | | CC73FCH1H102J | CHIP C 1000PF | J | |
| C214 | | | CE04KW1A101M | ELECTRO 100UF | 10WV | |
| C215,216 | | | CK73FF1E104Z | CHIP C 0.10UF | Z | |
| C217 | | | CQ93FMG1H472J | MYLAR 4700PF | J | |
| C220 | | | CC73FCH1H471J | CHIP C 470PF | J | |
| C221 | | | CE04LW1A101M | ELECTRO 100UF | 10WV | |
| C222 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C223 | | | CE04LW1H100M | ELECTRO 10UF | 50WV | |
| C224 | | | CC73FCH1H221J | CHIP C 220PF | J | |
| C225,226 | | | CK45FF1H103Z | CERAMIC 0.010UF | Z | |
| C231,232 | | * | C90-3916-05 | ELECTRO 4700UF | 75WV | 56 |
| C231,232 | | * | C90-3916-05 | ELECTRO 4700UF | 75WV | |
| C231,232 | | * | C90-3918-05 | ELECTRO 4700UF | 63WV | |
| C231,232 | | * | C90-3918-05 | ELECTRO 4700UF | 63WV | |
| C231,232 | | * | C90-3917-05 | ELECTRO 3300UF | 42WV | 56 |
| C233,234 | | * | C90-3917-05 | ELECTRO 3300UF | 42WV | |
| C233,234 | | * | C90-3919-05 | ELECTRO 3300UF | 35WV | |
| C233,234 | | * | C90-3919-05 | ELECTRO 3300UF | 35WV | |
| C235 | | | CE04KW1E222M | ELECTRO 2200UF | 25WV | |
| C236 | | | CE04KW1E471M | ELECTRO 470UF | 25WV | |
| C237,238 | | | CE04LW1C101M | ELECTRO 100UF | 16WV | |
| C239 | | | CE04LW1H220M | ELECTRO 22UF | 50WV | |
| C240 | | | CE04LW1V470M | ELECTRO 47UF | 35WV | |
| C241 | | | CC45FCH1H101J | CERAMIC 100PF | J | |
| C241 | | | CC45FCH1H101J | CERAMIC 100PF | J | ETMXIY |
| C242 | | | CK45FF1H103Z | CERAMIC 0.010UF | Z | |
| C242 | | | CK45FF1H103Z | CERAMIC 0.010UF | Z | ETMXIY |
| C245 | | | CC73FCH1H221J | CHIP C 220PF | J | |
| C246 | | | CK45FF1H103Z | CERAMIC 0.010UF | Z | |
| C248 | | | CC73FCH1H221J | CHIP C 220PF | J | |
| C250 | | | CC73FCH1H102J | CHIP C 1000PF | J | |
| C251,252 | | | CE04KW2A100M | ELECTRO 10UF | 100WV | |
| C253,254 | | | CE04KW2A101M | ELECTRO 100UF | 100WV | |
| C255,256 | | | CE04DW1J101M | ELECTRO 100UF | 63WV | 6 |
| C255,256 | | | CE04DW1J101M | ELECTRO 100UF | 63WV | |
| C259 | | | CE04LW1A101M | ELECTRO 100UF | 10WV | |
| C260 | | | CE04LW0J221M | ELECTRO 220UF | 6.3WV | |
| C261 | | | CE04LW1V4R7M | ELECTRO 4.7UF | 35WV | |
| C262 | | | CE04LW0J221M | ELECTRO 220UF | 6.3WV | |
| C263 | | | CE04LW1V4R7M | ELECTRO 4.7UF | 35WV | |
| C264 | | | CE04LW1H010M | ELECTRO 1.0UF | 50WV | |
| C269 | | | CK45FE2H103P | CERAMIC 0.010UF | P | |
| C415 | | | CE04LW1H010M | ELECTRO 1.0UF | 50WV | 4 |
| C416,417 | | | CE04HW1E100M | NP-ELEC 10UF | 25WV | |
| C601 | | | CE04LW1E332M | ELECTRO 3300UF | 25WV | |
| C602 | | | CE04LW1H100M | ELECTRO 10UF | 50WV | |
| C603 | | | CK45FF1H103Z | CERAMIC 0.010UF | Z | |
| C604 | | | CE04LW1H100M | ELECTRO 10UF | 50WV | |
| C605 | | | CE04LW0J222M | ELECTRO 2200UF | 6.3WV | YMI |
| C606 | | | CK73FB1E104K | CHIP C 0.10UF | K | KPETX |
| C606 | | | CK73FB1H683K | CHIP C 0.068UF | K | MIY |
| CN1 | | | E40-8364-05 | PIN ASSY | | |

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8

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|----------|----------|-----------|--------------|-----------------------------|--------------|----------|
| CN2 | | | E40-8197-05 | SOCKET FOR PIN ASSY | | |
| CN3 | | * | E40-8485-05 | FLAT CABLE CONNECTOR | | |
| CN4 | | | E40-4871-05 | PIN ASSY | KPET | |
| CN5 | | | E40-9831-05 | SOCKET FOR PIN ASSY | | |
| CN6 | | | E40-9848-05 | PIN ASSY | | |
| CN7 | | * | E40-8490-05 | FLAT CABLE CONNECTOR | | |
| CN61 | | | E40-4245-05 | PIN ASSY | KPETX | |
| CN62 | | | E40-4245-05 | PIN ASSY | YMI | |
| CN63 | | | E40-4428-05 | PIN ASSY | YMI | |
| CN64 | | | E40-4245-05 | PIN ASSY | YMI | |
| CN65 | | | E40-8196-05 | PIN ASSY | | |
| J1 | | * | E70-0049-05 | SCREW TERMINAL BOARD | | 6 |
| J1 | | * | E70-0122-05 | LOCK TERMINAL BOARD | | 45 |
| J2 | | | E70-0057-05 | LOCK TERMINAL BOARD | | 6 |
| J2 | | | E70-0065-05 | LOCK TERMINAL BOARD | | 45 |
| J3,4 | | * | E63-1143-05 | PIN JACK | | |
| J7 | | * | E63-1146-05 | PIN JACK | | |
| J8 | | | E20-0321-05 | LOCK TERMINAL BOARD(2P.F) | | |
| J8 | | | E70-0052-05 | LOCK TERMINAL BOARD | | |
| Δ J61 | | | E03-0148-05 | AC OUTLET | KPY | |
| Δ J61 | | | E03-0149-05 | AC OUTLET | MIE | |
| Δ J61 | | | E03-0310-05 | AC OUTLET | T | |
| Δ J61 | | | E03-0325-05 | AC OUTLET | X | |
| W182 | | | E31-0001-00 | JUMPER WIRE | | 56 |
| Δ F1 | | | F05-2525-05 | FUSE (SEMKO) (250V T2.5AL) | YMXI | 5 |
| Δ F1 | | | F05-3121-05 | FUSE (SEMKO) (250V T3.15AL) | ET | |
| Δ F1 | | | F05-3121-05 | FUSE (SEMKO) (250V T3.15AL) | MIX | 6 |
| Δ F1 | | | F50-0076-05 | FUSE(5X20) | KP | 4 |
| Δ F1 | | | F50-0077-05 | FUSE(5X20) | KP | 56 |
| Δ F2 | | | F05-2525-05 | FUSE (SEMKO) (250V T2.5AL) | E | |
| CN66,67 | | | J13-0075-05 | FUSE CLIP | | |
| CN68,69 | | | J13-0075-05 | FUSE CLIP | E | |
| CF1,2 | | | L72-0531-05 | CERAMIC FILTER | YMXI | |
| CF1,2 | | | L72-0536-05 | CERAMIC FILTER | ET | |
| CF1,2 | | | L72-0596-05 | CERAMIC FILTER | KP | |
| CF3 | | | L72-0607-05 | CERAMIC FILTER | YMXI | |
| L1 | | * | L39-1384-05 | COMBINATION COIL | | |
| L2 | | | L40-1091-82 | SMALL FIXED INDUCTOR(1.0UH) | | |
| L3 | | | L30-0911-05 | AM IFT | | |
| L4 | | | L30-0933-05 | FM IFT | KP | |
| L4 | | | L30-0950-05 | FM IFT | ET | |
| L5 | | | L30-0951-05 | FM IFT | ET | |
| L6,7 | | | L79-1236-05 | LC FILTER | ET | |
| L101-105 | | | L39-1373-05 | PHASE COMPENSATION COIL | | |
| T1 | | * | L07-2758-05 | POWER TRANSFORMER | KPXET | |
| Δ T1 | | * | L07-2761-05 | POWER TRANSFORMER | KPXET | |
| Δ T1 | | * | L07-2805-05 | POWER TRANSFORMER | YMI | |
| X1 | | | L77-2232-05 | CRYSTAL RESONATOR | | |
| R1 | | | RK73FB2A101J | CHIP R 100 | J | 1/10W |
| R4 | | | RK73FB2A681J | CHIP R 680 | J | 1/10W |
| R5 | | | RK73FB2A332J | CHIP R 3.3K | J | 1/10W |
| R6 | | | RK73FB2A221J | CHIP R 220 | J | 1/10W |
| R7 | | | RK73FB2A821J | CHIP R 820 | J | 1/10W |

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KRF-V4530D/V5030D/V6030D/NR-405/406/414
 PARTS LIST

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9

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|---------|---------|-----------|--------------|-------------|-------------|---------|
| R8 | | | RK73FB2A100J | CHIP R 10 | J 1/10W | ET |
| R8 | | | RK73FB2A330J | CHIP R 33 | J 1/10W | KPYMIX |
| R9 | | | RK73FB2A391J | CHIP R 390 | J 1/10W | |
| R10 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R11 | | | RK73FB2A220J | CHIP R 22 | J 1/10W | ET |
| R11 | | | RK73FB2A330J | CHIP R 33 | J 1/10W | KPYMIX |
| R12 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | |
| R14 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | KPET |
| R14 | | | RK73FB2A271J | CHIP R 270 | J 1/10W | MIXY |
| R15 | | | RK73FB2A333J | CHIP R 33K | J 1/10W | ET |
| R15 | | | RK73FB2A472J | CHIP R 4.7K | J 1/10W | KP |
| R16 | | | RK73FB2A220J | CHIP R 22 | J 1/10W | |
| R17 | | | RK73FB2A362J | CHIP R 3.6K | J 1/10W | |
| R18 | | | RK73FB2A302J | CHIP R 3.0K | J 1/10W | |
| R19 | | | RK73FB2A822J | CHIP R 8.2K | J 1/10W | |
| R20 | | | RK73FB2A392J | CHIP R 3.9K | J 1/10W | |
| R23 | | | RK73FB2A153J | CHIP R 15K | J 1/10W | ET |
| R23 | | | RK73FB2A332J | CHIP R 3.3K | J 1/10W | YMIX |
| R23 | | | RK73FB2A912J | CHIP R 9.1K | J 1/10W | KP |
| R25 | | | RK73FB2A163J | CHIP R 16K | J 1/10W | KP |
| R25 | | | RK73FB2A183J | CHIP R 18K | J 1/10W | YMIX |
| R25 | | | RK73FB2A273J | CHIP R 27K | J 1/10W | ET |
| R27 ,28 | | | RK73FB2A432J | CHIP R 4.3K | J 1/10W | ET |
| R27 ,28 | | | RK73FB2A682J | CHIP R 6.8K | J 1/10W | KP |
| R27 ,28 | | | RK73FB2A752J | CHIP R 7.5K | J 1/10W | YMIX |
| R29 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | YMI |
| R30 | | | RK73FB2A561J | CHIP R 560 | J 1/10W | YMI |
| R31 | | | RK73FB2A473J | CHIP R 47K | J 1/10W | YMI |
| R32 | | | RK73FB2A272J | CHIP R 2.7K | J 1/10W | KPYMIX |
| R33 ,34 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R35 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | ET |
| R36 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | ET |
| R37 | | | RK73FB2A392J | CHIP R 3.9K | J 1/10W | ET |
| R38 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | ET |
| R39 | | | RK73FB2A103J | CHIP R 10K | J 1/10W | ET |
| R42 | | | RK73FB2A103J | CHIP R 10K | J 1/10W | |
| R43 | | | RK73FB2A221J | CHIP R 220 | J 1/10W | |
| R44 | | | RD14NB2E271J | RD 270 | J 1/4W | |
| R45 | | | RK73EB2B102J | CHIP R 1.0K | J 1/8W | |
| R46 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R47 | | | RK73EB2B102J | CHIP R 1.0K | J 1/8W | |
| R48 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R49 | | | RK73FB2A103J | CHIP R 10K | J 1/10W | |
| R50 | | | RD14NB2E471J | RD 470 | J 1/4W | |
| R51 | | | RK73FB2A562J | CHIP R 5.6K | J 1/10W | |
| R52 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | |
| R53 | | | RK73FB2A222J | CHIP R 2.2K | J 1/10W | |
| R54 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R55 | | | RK73FB2A333J | CHIP R 33K | J 1/10W | |
| R56 ,57 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R58 | | | RK73FB2A123J | CHIP R 12K | J 1/10W | |
| R59 | | | RK73FB2A122J | CHIP R 1.2K | J 1/10W | |
| R72 ,73 | | | RK73FB2A153J | CHIP R 15K | J 1/10W | KP |
| R72 ,73 | | | RK73FB2A392J | CHIP R 3.9K | J 1/10W | ET |
| R72 ,73 | | | RK73FB2A822J | CHIP R 8.2K | J 1/10W | YMIX |

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|----------|---------|-----------|--------------|------------------|-------------|------------|
| R74 | | | RK73FB2A473J | CHIP R 47K | J 1/10W | |
| R75 | | | RK73FB2A822J | CHIP R 8.2K | J 1/10W | |
| R76 | | | RK73FB2A182J | CHIP R 1.8K | J 1/10W | |
| R78 | | | RK73FB2A821J | CHIP R 820 | J 1/10W | |
| R79 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R80 | | | RK73FB2A223J | CHIP R 22K | J 1/10W | ET |
| R81 | | | RS14KB3A820J | FL-PROOF RS 82 | J 1W | |
| R82 | | | RK73FB2A272J | CHIP R 2.7K | J 1/10W | ET |
| R83 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R84 | | | RK73EB2B102J | CHIP R 1.0K | J 1/8W | |
| R85 -87 | | | RK73FB2A105J | CHIP R 1.0M | J 1/10W | |
| R88 | | | RK73FB2A563J | CHIP R 56K | J 1/10W | |
| R89 | | | RK73FB2A333J | CHIP R 33K | J 1/10W | |
| R101,102 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R101,102 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | ETMXYI 6 5 |
| R103,104 | | | RK73FB2A273J | CHIP R 27K | J 1/10W | |
| R103,104 | | | RK73FB2A273J | CHIP R 27K | J 1/10W | ETMXYI 6 5 |
| R105,106 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | |
| R105,106 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | ETMXYI 6 5 |
| R115,116 | | | RD14BB2C102J | RD 1.0K | J 1/6W | KP 45 |
| R117,118 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R119,120 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R121,122 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R123,124 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R125,126 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R127,128 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R129,130 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R131,132 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R133,134 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R135,136 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R137,138 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R139,140 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R141,142 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R143,144 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R153-156 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R159 | | | RK73FB2A562J | CHIP R 5.6K | J 1/10W | |
| R161,162 | | | RK73FB2A302J | CHIP R 3.0K | J 1/10W | |
| R163,164 | | | RK73FB2A682J | CHIP R 6.8K | J 1/10W | |
| R165,166 | | | RK73FB2A183J | CHIP R 18K | J 1/10W | |
| R167,168 | | | RK73FB2A182J | CHIP R 1.8K | J 1/10W | |
| R169,170 | | | RK73FB2A224J | CHIP R 220K | J 1/10W | |
| R171,172 | | | RK73FB2A183J | CHIP R 18K | J 1/10W | |
| R173,174 | | | RK73FB2A222J | CHIP R 2.2K | J 1/10W | |
| R175,176 | | | RK73FB2A104J | CHIP R 100K | J 1/10W | |
| R177,178 | | | RK73FB2A563J | CHIP R 56K | J 1/10W | |
| R179 | | | RK73FB2A102J | CHIP R 1.0K | J 1/10W | |
| R180 | | | RK73EB2B102J | CHIP R 1.0K | J 1/8W | |
| R181-184 | | | RS14KB3DR22J | FL-PROOF RS 0.22 | J 2W | |
| R185,186 | | | RK73FB2A563J | CHIP R 56K | J 1/10W | |
| R187,188 | | | RK73FB2A182J | CHIP R 1.8K | J 1/10W | KPMXI 6 |
| R187,188 | | | RK73FB2A222J | CHIP R 2.2K | J 1/10W | KPMXYI 5 6 |
| R187,188 | | | RK73FB2A242J | CHIP R 2.4K | J 1/10W | E 5 |
| R187,188 | | | RK73FB2A272J | CHIP R 2.7K | J 1/10W | ET 5 |
| R187,188 | | | RK73FB2A272J | CHIP R 2.7K | J 1/10W | KP 4 |
| R189,190 | | | RS14KB3D120J | FL-PROOF RS 12 | J 2W | |

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15

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|---|----------|-----------|--|---|-------------------------------------|------------------|
| D124 D125,126 D125,126 D127,128 D129 | | | UDZ3.9B HSS104A 1SS133 MA111 MA111 | ZENER DIODE DIODE DIODE DIODE DIODE | YMI YMI | 6 |
| D130 D201 D201 D201 D201 D203 | | | MA111 DA204U MA143A 1SS302 HZS8.2N(B2) | DIODE DIODE DIODE DIODE ZENER DIODE | | |
| D203 D204 D204 D209 D209 | | | MTZJ8.2(B) HZS5.1N(B2) MTZJ5.1(B) HZS3.3N(B2) MTZJ3.3(B) | ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE | | |
| D211 D213 | | | MA111 MA111 | DIODE DIODE | ET | |
| △ D601 △ D602-605 △ D602-605 | | | S1ZB20(4101) HSS104A 1SS133 | DIODE DIODE DIODE | | |
| D608 D608 D608 IC101 IC101 | | | HSS104A RB721Q 1SS133 * STK412-010A * STK412-010A | DIODE DIODE DIODE HYBRID IC HYBRID IC | KP YMIKXET KP ETMXIY KP | 5 5 |
| △ IC101 △ IC102 △ IC102 △ IC102 △ IC103 | | | * STK412-020A * STK413-010A * STK413-010A * STK413-020A * KIA7812API | HYBRID IC HYBRID IC HYBRID IC HYBRID IC ANALOGUE IC | ETMXIY KP | 6 5 5 6 |
| △ IC104 IC105 IC105 IC106 IC107,108 | | | * KIA7912PI NJM4580ED NJM4580ED NJU7313AM NJM4565M | ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC | ETMXIY | 6 5 |
| IC109 IC110-112 △ IC113 △ IC114 IC201 | | | NJU7313AM NJM4565M * STK442-090 * STK443-090 LA1837 | ANALOGUE IC ANALOGUE IC HYBRID IC HYBRID IC ANALOGUE IC | KP KP KPET | 4 4 |
| IC201 IC202 △ IC601 △ IC602 Q1 .2 | | | LA1838 LC72131 * XC62FP5102P BA05T 2SC1740S(Q,R) | ANALOGUE IC MOS-IC ANALOGUE IC ANALOGUE IC TRANSISTOR | MXIY KP YMIKXET | |
| Q1 .2 Q5 .6 Q7 .8 Q7 .8 Q11 ,12 | | | 2SC2785(F,E) 2SD2351 2SC1740S(Q,R) 2SC2785(F,E) 2SD2351 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q13 ,14 Q13 ,14 Q16 Q17 Q51 -53 | | | 2SC1740S(Q,R) 2SC2785(F,E) 2SD2351 2SC2878(B) 2SA1576A(R,S) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |

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15

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|--|----------|-----------|--|--|--|-----------------------------|
| △ Q51 -53 Q54 Q113-117 Q118 Q118 | | | 2SB1218A(Q,R) 2SB1640 2SC3906K 2SA1576A(R,S) 2SB1218A(Q,R) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q119,120 Q121 Q121 Q122,123 Q132 | | | 2SC3906K 2SA1576A(R,S) 2SB1218A(Q,R) 2SC1845(F,E) 2SC3906K | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q133 Q134 Q135 Q135 Q136 | | | 2SB1566 2SC1845(F,E) 2SA1576A(R,S) 2SB1218A(Q,R) UN5219 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR | | |
| △ Q137 △ Q138 Q139,140 Q141 Q142 | | | 2SD2395 2SB1640 DTC123JUA DTC123JUA DTC123JUA | TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR | | 6 |
| Q201 Q201 Q202 Q202 Q203,204 | | | 2SC4081(R,S) 2SD1819A(Q,R) 2SA1576A(R,S) 2SB1218A(Q,R) 2SC4081(R,S) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | YMI | |
| Q203,204 Q206,207 Q206,207 Q210,211 Q212 | | | 2SD1819A(Q,R) 2SC4081(R,S) 2SD1819A(Q,R) 2SD1757K 2SA1576A(R,S) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | YMI ET ET | |
| Q212 Q214 Q214 Q601 Q601 | | | 2SB1218A(Q,R) 2SA1576A(R,S) 2SB1218A(Q,R) 2SC1740S(Q,R) 2SC2785(F,E) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| A1 A1 | | | W02-2584-05 W02-2622-05 | FM FRONT-END ASSY FM FRONT-END ASSY | ET KPYMIX | |
| PREAMP (X08-3010-10) | | | | | | |
| C1 .2 C3 C4 C5 .6 C7 .8 | | | CE04RW1C100M CK73FB1H103K CC73FCH1H101J CK73FB1H222K CK73FB1E104K | ELECTRO CHIP C CHIP C CHIP C CHIP C | 10UF 0.010UF 100PF 2200PF 0.10UF | 16WV K J K K |
| C9 ,10 C21 C22 C23 C24 ,25 | | | CE04RW1C4R7M CK73FB1E104K CE04LW1H100M CK73FB1H102K CK73FB1E104K | ELECTRO CHIP C ELECTRO CHIP C CHIP C | 4.7UF 0.10UF 10UF 1000PF 0.10UF | 16WV K 50WV K K |
| C26 C27 C29 C31 C32 | | * | CK73FF1C105Z C91-1597-05 CK73FB1H103K CC73FCH1H220J CK73FB1H472K | CHIP C CERAMIC CHIP C CHIP C CHIP C | 1.0UF 4.7UF 0.010UF 22PF 4700PF | Z Z K J K |
| C33 | | | CC73FCH1H220J | CHIP C | 22PF | J |

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17

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|----------|----------|-----------|---------------|----------------|--------------|----------|
| C34 | | | CK73FB1H472K | CHIP C 4700PF | K | |
| C35 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C41 | | | CC73FCH1H220J | CHIP C 22PF | J | |
| C42 | | | CC73FCH1H270J | CHIP C 27PF | J | |
| C43,44 | | | CK73FB1H102K | CHIP C 1000PF | K | |
| C45 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C46 | | | CC73FCH1H220J | CHIP C 22PF | J | |
| C54,55 | | | CC73FCH1H220J | CHIP C 22PF | J | |
| C56 | | | CK73FB1H102K | CHIP C 1000PF | K | |
| C57 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C58,59 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C103,104 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C105,106 | | | CK73FB1H182K | CHIP C 1800PF | K | |
| C107,108 | | | CK73FB1H222K | CHIP C 2200PF | K | |
| C109 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C110 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C121,122 | | | CC73FCH1H220J | CHIP C 22PF | J | |
| C125 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C126 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C141 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C151,152 | | | CK73FF1C225Z | CHIP C 2.2UF | Z | |
| C153,154 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C155,156 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C157-160 | | | CK73FF1C225Z | CHIP C 2.2UF | Z | |
| C161,162 | | | CK73FB1H822K | CHIP C 8200PF | K | |
| C163,164 | | | CK73FB1H153K | CHIP C 0.015UF | K | |
| C165,166 | | | CK73FB1C334K | CHIP C 0.33UF | K | |
| C167,168 | | | CK73FF1C225Z | CHIP C 2.2UF | Z | |
| C169,170 | | | CK73FB1H222K | CHIP C 2200PF | K | |
| C177-182 | | | CK73FF1C225Z | CHIP C 2.2UF | Z | |
| C183 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C184 | | | CC73FCH1H221J | CHIP C 220PF | J | |
| C185,186 | | | CK73FB1E104K | CHIP C 0.10UF | K | |
| C187,188 | | | CK73FB1H102K | CHIP C 1000PF | K | |
| C203,204 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C205,206 | | | CK73FB1H182K | CHIP C 1800PF | K | |
| C207,208 | | | CK73FB1H222K | CHIP C 2200PF | K | |
| C209 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C210 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C251-256 | | | CC73FCH1H221J | CHIP C 220PF | J | |
| C303,304 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C305 | | | CK73FB1H182K | CHIP C 1800PF | K | |
| C306 | | | CK73FB1H682K | CHIP C 6800PF | K | |
| C307 | | | CK73FB1H222K | CHIP C 2200PF | K | |
| C308 | | | CK73FB1H822K | CHIP C 8200PF | K | |
| C309 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C310 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C401-403 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C411-414 | | | CC73FCH1H220J | CHIP C 22PF | J | |
| C415-418 | | | CC73FCH1H101J | CHIP C 100PF | J | |
| C419 | | | CC73FCH1H100D | CHIP C 10PF | D | |
| C450 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C451 | | | CK73FB1E104K | CHIP C 0.10UF | K | |
| C452 | | | CE04LW1C222M | ELECTRO 2200UF | 16WV | |
| C453,454 | | | CK73FB1E104K | CHIP C 0.10UF | K | |

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18

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|----------|----------|-----------|---------------|------------------------------|--------------|----------|
| C455 | | | CE04LW1A101M | ELECTRO 100UF | 10WV | |
| C456,457 | | | CK73FB1E104K | CHIP C 0.10UF | K | |
| C458 | | | C92-0047-05 | CHIP-ELE 47UF | 6.3WV | |
| C459,460 | | | CK73FB1E104K | CHIP C 0.10UF | K | |
| C461 | | | CE04LW1E470M | ELECTRO 47UF | 25WV | |
| C501-504 | | | CK73FB1E104K | CHIP C 0.10UF | K | |
| C505 | | | CK73FB1H102K | CHIP C 1000PF | K | |
| C506 | | | CC73FCH1H471J | CHIP C 470PF | J | |
| C507 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C508 | | | CE04LW1H2R2M | ELECTRO 2.2UF | 50WV | |
| C509 | | | CE04LW1E470M | ELECTRO 47UF | 25WV | |
| C510,511 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| C601 | | | CC73FCH1H470J | CHIP C 47PF | J | |
| C602 | | | CE04LW1E470M | ELECTRO 47UF | 25WV | |
| C603 | | | CC73FCH1H470J | CHIP C 47PF | J | |
| C604 | | | CE04LW1E470M | ELECTRO 47UF | 25WV | |
| C607 | | | CC73FCH1H470J | CHIP C 47PF | J | |
| C608 | | | CE04LW1E470M | ELECTRO 47UF | 25WV | |
| C609,610 | | | CC73FCH1H470J | CHIP C 47PF | J | |
| C621,622 | | | CK73FB1E104K | CHIP C 0.10UF | K | |
| C751,752 | | | CC73FCH1H221J | CHIP C 220PF | J | |
| C753 | | | CK73FB1H103K | CHIP C 0.010UF | K | |
| CN1 | | * | E40-8485-05 | FLAT CABLE CONNECTOR | | |
| CN2 | | * | E40-8484-05 | FLAT CABLE CONNECTOR | | |
| CN5 | | | E40-4248-05 | PIN ASSY | | |
| CN5 | | | E40-8358-05 | PIN ASSY | | |
| J1 | | * | E63-1080-05 | PIN JACK | | |
| J1 | | * | E63-1140-05 | PIN JACK | | |
| J2 | | * | E63-1139-05 | PIN JACK | | |
| J2 | | * | E63-1139-05 | PIN JACK | | |
| J3 | | * | E63-1138-05 | PIN JACK | | |
| J61 | | * | E63-1141-05 | PIN JACK | | |
| J75 | | | E11-0293-05 | MINIATURE PHONE JACK(2P) | | |
| E1,2 | | | J11-0809-05 | WIRE CLAMPER | | |
| L31,32 | | * | L92-0511-05 | CHIP FERRITE | | |
| L41 | | * | L92-0510-05 | CHIP FERRITE | | |
| X1 | | * | L77-2296-05 | CRYSTAL RESONATOR(12.288MHZ) | | |
| CP41-44 | | | R90-0728-05 | MULTI-COMP 180 X4 | | |
| CP51,52 | | | R90-0714-05 | MULTI-COMP 10K X4 | | |
| R1,2 | | | RK73FB2A562J | CHIP R 5.6K | J 1/10W | |
| R3,4 | | | RK73FB2A101J | CHIP R 100 | J 1/10W | |
| R5,6 | | | RK73FB2A471J | CHIP R 470 | J 1/10W | |
| R7,10 | | | RK73FB2A472J | CHIP R 4.7K | J 1/10W | |
| R11,12 | | | RK73FB2A471J | CHIP R 470 | J 1/10W | |
| R20 | | * | R92-1946-05 | METAL GLAZE 4.7 | J 1/4W | |
| R21 | | | RK73FB2A221J | CHIP R 220 | J 1/10W | |
| R31,32 | | | RK73FB2A820J | CHIP R 82 | J 1/10W | |
| R33 | | | RK73FB2A471J | CHIP R 470 | J 1/10W | |
| R34 | | | RD14NB2E4R7J | RD 4.7 | J 1/4W | |
| R41,42 | | | RK73FB2A105J | CHIP R 1.0M | J 1/10W | |
| R43,45 | | | RK73FB2A221J | CHIP R 220 | J 1/10W | |
| R54 | | | RK73FB2A912J | CHIP R 9.1K | J 1/10W | |

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6 5 45

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19

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|------------|---------|-----------|--------------|------------------------|-------------|---------|
| R55-58 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R59 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R66 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R67 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R68 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R101,102 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R103,104 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R107,108 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R109,110 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R111,112 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R113,114 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R121-124 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R125,126 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R127,128 | | | RK73FB2A242J | CHIP R 2.4K J 1/10W | | |
| R151-156 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R157,158 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R159-164 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R165 | | | RK73FB2A751J | CHIP R 750 J 1/10W | | |
| R166 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | | |
| R168,169 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R170,171 | | | RK73FB2A471J | CHIP R 470 J 1/10W | | |
| R172-175 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R201,202 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R203,204 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R207,208 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R209,210 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | | |
| R211,212 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R213,214 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R215,216 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R217,218 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R251,252 | | | RK73FB2A153J | CHIP R 15K J 1/10W | | |
| R253,254 | | | RK73FB2A223J | CHIP R 22K J 1/10W | | |
| R255,256 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R257,258 | | | RK73FB2A223J | CHIP R 22K J 1/10W | | |
| R259,260 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R261,262 | | | RK73FB2A223J | CHIP R 22K J 1/10W | | |
| R301 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R302 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R303,304 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R307 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R308 | | | RK73FB2A123J | CHIP R 12K J 1/10W | | |
| R309,310 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R311,312 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R313,314 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R401-406 | | | RK73FB2A471J | CHIP R 470 J 1/10W | | |
| R407 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R412 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R426,427 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R428 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R431,432 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| △ R450-453 | | * | R92-1945-05 | METAL GLAZE 1 J 1/4W | | |
| △ R454 | | * | R92-1946-05 | METAL GLAZE 4.7 J 1/4W | | |
| R461,462 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R463 | | | RK73FB2A473J | CHIP R 47K J 1/10W | | |
| R464 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |

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20

| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|------------|---------|-----------|---------------|-------------------------|-------------|---------|
| R465 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R501-503 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R505 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R514 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R515 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R516 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R517 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R518 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R519 | | | RK73FB2A221J | CHIP R 220 J 1/10W | | |
| R520,521 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R522,523 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | | |
| R524 | | | RK73FB2A333J | CHIP R 33K J 1/10W | | |
| R527 | | | RK73FB2A103J | CHIP R 10K J 1/10W | | |
| R601 | | | RK73FB2A820J | CHIP R 82 J 1/10W | | |
| R603 | | | RK73FB2A820J | CHIP R 82 J 1/10W | | |
| R607 | | | RK73FB2A820J | CHIP R 82 J 1/10W | | |
| R609 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R610 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R611 | | | RK73FB2A104J | CHIP R 100K J 1/10W | | |
| R612 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R613 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| △ R631,632 | | * | RK73FB2A681J | CHIP R 680 J 1/10W | | |
| R633,634 | | * | R92-1954-05 | METAL GLAZE 100 J 1/10W | | |
| D1 | | | DAN202U | DIODE | | |
| D1 | | | MA142WK | DIODE | | |
| D1 | | | 1SS301 | DIODE | | |
| D2 | | | DAP202U | DIODE | | |
| D2 | | | MA142WA | DIODE | | |
| D2 | | | 1SS300 | DIODE | | |
| D3 | | | DAN202U | DIODE | | |
| D3 | | | MA142WK | DIODE | | |
| D3 | | | 1SS301 | DIODE | | |
| D6 | | | MA111 | DIODE | | |
| △ D41 | | | S1ZB20(4072) | DIODE | | |
| D42,43 | | | UDZ5.6B | ZENER DIODE | | |
| D44 | | | UDZ3.9B | ZENER DIODE | | |
| D51,52 | | | MA111 | DIODE | | |
| D61,62 | | | UDZ5.6B | ZENER DIODE | | |
| D75,76 | | | MA111 | DIODE | | |
| D151,152 | | | UDZ7.5B | ZENER DIODE | | |
| IC1 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC2 | | * | AK4527-VQ | MOS-IC | | |
| IC4 | | * | TC7WU04FU | MOS-IC | | |
| IC5 | | * | AK4110-VF | MOS-IC | | |
| IC6 | | * | TC7WH123FU | MOS-IC | | |
| IC11 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC12 | | | NJU7311AM | MOS-IC | | |
| IC13 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC14 | | | NJU7311AM | MOS-IC | | |
| IC15 | | | M62446FP | ANALOGUE IC | | |
| IC21 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC31 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC41 | | * | TC74HC07AF | MOS-IC | | |
| IC42 | | | TC74HCT7007AF | MOS-IC | | |

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KRF-V4530D/V5030D/V6030D/VR-405/406/414
 PARTS LIST

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21

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|------------------------------|----------|-----------|----------------|------------------------|--------------|----------|
| Δ IC45 | | * | TA48M05F | ANALOGUE IC | | |
| Δ IC46 | | | TA48M033F | ANALOGUE IC | | |
| Δ IC47 | | * | TA48M025F | ANALOGUE IC | | |
| IC51 | | * | CS493253-CLR | MOS-IC | | |
| IC51 | | * | CS493263-CLR | MOS-IC | | |
| IC61 | | | NJM2279M | ANALOGUE IC | | |
| Q1 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q1 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Δ Q15 | | | 2SD1664(Q,R) | TRANSISTOR | | |
| Δ Q15 | | * | 2SD1963(R,S)-G | TRANSISTOR | | |
| Δ Q16 | | | 2SB1132(Q,R) | TRANSISTOR | | |
| Δ Q16 | | * | 2SB1308(Q,R)-G | TRANSISTOR | | |
| Q41 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q41 | | | 2SD1819A(Q,R) | TRANSISTOR | | |
| Q42 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q42 | | | 2SB1218A(Q,R) | TRANSISTOR | | |
| Δ Q61 | | | 2SD1664(Q,R) | TRANSISTOR | | |
| Δ Q61 | | * | 2SD1963(R,S)-G | TRANSISTOR | | |
| Δ Q62 | | | 2SB1132(Q,R) | TRANSISTOR | | |
| Δ Q62 | | * | 2SB1308(Q,R)-G | TRANSISTOR | | |
| A1 | | * | W02-2716-05 | OPTIC RECEIVING MODULE | | |
| DISPLAY (X14-7120-10) | | | | | | |
| D1 | | * | B30-2567-05 | LED(RED)(80) HI-BR) | | |
| D3 -5 | | | B30-2545-05 | LED(RED3(160)) | | |
| C1 | | | CE04RW0J331M | ELECTRO | 330UF | 6.3WV |
| C1 | | | CE04RW1A101M | ELECTRO | 100UF | 10WV |
| C2 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C3 | | | CE04RW1H010M | ELECTRO | 1.0UF | 50WV |
| C4 .5 | | | CE04RW1C100M | ELECTRO | 10UF | 16WV |
| C6 | | * | CE04RW0J100M | ELECTRO | 10UF | 6.3WV |
| C7 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C9 | | | CC73FCH1H470J | CHIP C | 47PF | J |
| C10 -19 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C20 ,21 | | | CK73FB1C104K | CHIP C | 0.10UF | K |
| C22 | | | CK73FF1C105Z | CHIP C | 1.0UF | Z |
| C23 | | | CE04RW0J470M | ELECTRO | 47UF | 6.3WV |
| C24 | | | CE04RW0J470M | ELECTRO | 47UF | 6.3WV |
| C25 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C26 ,27 | | | CC73FCH1H270J | CHIP C | 27PF | J |
| C28 | | | CC73FCH1H561J | CHIP C | 560PF | J |
| C29 | | | CC73FCH1H271J | CHIP C | 270PF | J |
| C30 | | * | CE04RW1V2R2M | ELECTRO | 2.2UF | 35WV |
| C31 | | | CC73FCH1H101J | CHIP C | 100PF | J |
| C32 | | | CE04RW0J220M | ELECTRO | 22UF | 6.3WV |
| C33 -35 | | | CC73FCH1H101J | CHIP C | 100PF | J |
| C36 ,37 | | | CC73FCH1H470J | CHIP C | 47PF | J |
| C38 | | * | CE04RW1H330M | ELECTRO | 33UF | 50WV |
| C39 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C40 | | | C90-1826-05 | BACKUP-C | 0.047F | 5.5WV |
| C41 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C42 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C43 ,44 | | | CC73FCH1H101J | CHIP C | 100PF | J |
| C45 ,46 | | | CC73FCH1H470J | CHIP C | 47PF | J |
| C47 | | | CC73FCH1H101J | CHIP C | 100PF | J |

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22

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|----------|----------|-----------|---------------|-----------------------------|--------------|----------|
| C48 | | | CC73FCH1H101J | CHIP C | 100PF | J |
| C49 | | | CE04RW0J331M | ELECTRO | 330UF | 6.3WV |
| C50 | | | CC73FCH1H101J | CHIP C | 100PF | J |
| C51 | | * | CE04RW1H2R2M | ELECTRO | 2.2UF | 50WV |
| C52 | | | CK73FB1H103K | CHIP C | 0.010UF | K |
| C53 | | | CC73FCH1H101J | CHIP C | 100PF | J |
| C54 | | * | CE04RW1H4R7M | ELECTRO | 4.7UF | 50WV |
| C55 | | | CC73FCH1H470J | CHIP C | 47PF | J |
| C56 | | | CC73FCH1H220J | CHIP C | 22PF | J |
| C57 | | | CC73FCH1H221J | CHIP C | 220PF | J |
| C58 | | | CC73FCH1H470J | CHIP C | 47PF | J |
| C59 | | | CK73FF1C105Z | CHIP C | 1.0UF | Z |
| C106,107 | | | CC73FCH1H101J | CHIP C | 100PF | J |
| CN1 | | * | E40-8510-05 | FLAT CABLE CONNECTOR | | |
| CN2 | | * | E40-8504-05 | FLAT CABLE CONNECTOR | | |
| CN3 | | | E40-3247-05 | PIN ASSY | | |
| CN5 | | | E40-3261-05 | PIN ASSY | | |
| J1 | | | E11-0272-05 | PHONE JACK | | |
| E5 | | | J11-0808-05 | WIRE CLAMPER | | |
| X1 | | * | L78-0714-05 | RESONATOR (8MHZ) | | |
| X2 | | | L77-2002-05 | CRYSTAL RESONATOR(4.332MHZ) | | ET |
| CP1 | | | R90-0855-05 | MULTI-COMP | 100KX5 | J |
| CP2 ,3 | | | R90-0482-05 | MULTI-COMP | 100KX4 | J 1/6W |
| CP501 | | | R90-0855-05 | MULTI-COMP | 100KX5 | J |
| CP502 | | | R90-0850-05 | MULTI-COMP | 100KX3 | J 1/6W |
| R4 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R5 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W |
| R7 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W |
| R8 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R11 | | | RK73FB2A223J | CHIP R | 22K | J 1/10W |
| R12 | | | RK73FB2A331J | CHIP R | 330 | J 1/10W |
| R13 ,14 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W |
| R15 | | | RK73FB2A331J | CHIP R | 330 | J 1/10W |
| R29 | | | RK73FB2A122J | CHIP R | 1.2K | J 1/10W |
| R31 -33 | | | RK73FB2A221J | CHIP R | 220 | J 1/10W |
| R36 ,37 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W |
| R38 -43 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W |
| R44 -49 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R50 | | | RK73FB2A272J | CHIP R | 2.7K | J 1/10W |
| R51 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W |
| R52 ,53 | | | RK73FB2A272J | CHIP R | 2.7K | J 1/10W |
| R54 ,55 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W |
| R57 ,58 | | | RK73FB2A223J | CHIP R | 22K | J 1/10W |
| R59 -63 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W |
| R64 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W |
| R65 ,66 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W |
| R67 | | | RD14NB2E222J | RD | 2.2K | J 1/4W |
| R69 ,70 | | | RK73FB2A103J | CHIP R | 10K | J 1/10W |
| R71 ,72 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W |
| R83 | | | RK73FB2A564J | CHIP R | 560K | J 1/10W |
| R86 | | | RD14NB2E152J | RD | 1.5K | J 1/4W |
| R98 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W |
| R107-109 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W |

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23

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|----------|----------|-----------|---------------|----------------------------|--------------|----------|---------|
| R110 | | | RK73FB2A1R0J | CHIP R | 1 | J 1/10W | ET |
| R111 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | ET |
| R112 | | | RK73FB2A473J | CHIP R | 47K | J 1/10W | ET |
| R113 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | ET |
| R114 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | |
| R118 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | |
| R119-126 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | |
| R127-129 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | |
| R130 | | | RK73FB2A102J | CHIP R | 1.0K | J 1/10W | |
| R141,142 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | |
| R143 | | | RK73FB2A101J | CHIP R | 100 | J 1/10W | |
| R161,162 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | |
| R501,502 | | | RK73FB2A104J | CHIP R | 100K | J 1/10W | |
| W503 | | | R92-0679-05 | CHIP R | 0 OHM | | |
| W505 | | | R92-0679-05 | CHIP R | 0 OHM | | YMI |
| W509 | | | R92-0679-05 | CHIP R | 0 OHM | | |
| W514 | | | R92-0679-05 | CHIP R | 0 OHM | | |
| S4 -18 | | | S70-0031-05 | TACT SWITCH | | | |
| S19 | | | S68-0107-05 | PUSH SWITCH | | | YMI XET |
| S1 | | | T99-0602-05 | ROTARY ENCODER | | | |
| S2 | | * | T99-0630-05 | ROTARY ENCODER | | | |
| D7 | | | HZS6.2N(B2) | ZENER DIODE | | | |
| D7 | | | MTZJ6.2(B) | ZENER DIODE | | | |
| D8 ,9 | | | RB721Q | DIODE | | | |
| D11 ,12 | | | MA111 | DIODE | | | KP |
| D13 | | | HSS104A | DIODE | | | KP |
| D13 | | | 1SS133 | DIODE | | | |
| D15 ,16 | | | MA111 | DIODE | | | |
| D17 -22 | | | HSS104A | DIODE | | | |
| D17 -22 | | | 1SS133 | DIODE | | | |
| D24 | | | HSS104A | DIODE | | | ETX |
| D24 | | | 1SS133 | DIODE | | | ETX |
| D27 | | | HSS104A | DIODE | | | KP |
| D27 | | | 1SS133 | DIODE | | | KP |
| D28 | | | HSS104A | DIODE | | | ETMXYI |
| D28 | | | 1SS133 | DIODE | | | ETMXYI |
| D29 | | | HSS104A | DIODE | | | X |
| D29 | | | 1SS133 | DIODE | | | X |
| D30 | | | HSS104A | DIODE | | | ET |
| D30 | | | 1SS133 | DIODE | | | ET |
| D33 | | | HSS104A | DIODE | | | |
| D33 | | | 1SS133 | DIODE | | | |
| D35 ,36 | | | MA111 | DIODE | | | YMI |
| ED1 | | | SVA-11MS22 | FLUORESCENT INDICATOR TUBE | | | |
| IC1 | | * | MN101C35DRA | MI-COM IC | | | |
| IC2 | | * | S-80840ANY | ANALOGUE IC | | | |
| IC3 | | * | TA78057F | ANALOGUE IC | | | KPXET |
| IC4 | | | BU1923F | ANALOGUE IC | | | ET |
| IC5 | | | S-80840ANY | ANALOGUE IC | | | YMI |
| IC6 | | | XC62FP5102P | ANALOGUE IC | | | YMI |
| Q1 | | | 2SC4081(R,S) | TRANSISTOR | | | |
| Q2 | | | 2SA1576A(R,S) | TRANSISTOR | | | |
| Q3 -5 | | | 2SC4081(R,S) | TRANSISTOR | | | |

6
6

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24

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|---------|----------|-----------|---------------|------------------------|--------------|----------|
| Q6 | | | UN5219 | DIGITAL TRANSISTOR | | |
| Q9 -11 | | | UN5219 | DIGITAL TRANSISTOR | | |
| Q12 ,13 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q14 | | | DTA124EUA | DIGITAL TRANSISTOR | | |
| Q14 | | | UN5112 | DIGITAL TRANSISTOR | | |
| A1 | | | W02-2625-05 | OPTIC RECEIVING MODULE | | |

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HOW TO READ THE PARTS LIST

Destination column has the abbreviation for sale country and model.
 Alphabets mean the country. Numerals do model.
 Example: X means KRF-V5030D-S and KRF-V6030D-S for Australia market.
 S does KRF-V4530D, KRF-5030D, KRF-V5030DE KRF-V5030D-S and VR-405.

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

| MODEL | CNT | Australia | Canada | China | England | Europe | Germany | Korea | Malaysia |
|--------------|-----|-----------|----------|--------|-------------|----------|---------|------------|----------------|
| ABB. | | X | P | C | T | E | G | H | I |
| KRF-V4530D | 5 | - | - | - | - | E4 | - | - | - |
| KRF-V5030D | 5 | - | - | - | T5 | E1 | - | - | - |
| KRF-V5030DE | 5 | - | - | - | - | E2 | - | - | - |
| KRF-V5030D-S | 5 | X5 | - | - | - | E3 | - | - | I5 |
| KRF-V6030D | 6 | - | - | - | - | E6 | - | - | - |
| KRF-V6030DE | 6 | - | - | - | - | E7 | - | - | - |
| KRF-V6030D-S | 6 | X6 | - | - | - | - | - | - | I6 |
| VR-405 | 5 | - | P5 | - | - | - | - | - | - |
| VR-406 | 6 | - | P6 | - | - | - | - | - | - |
| VR-414 | 4 | - | P4 | - | - | - | - | - | - |
| MODEL | | Mexico | PX/AAFES | Russia | Scandinavia | Shanghai | USA | Other area | Other area(M2) |
| ABB. | | R | Y | Q | L | V | K | M | M2 |
| KRF-V4530D | 5 | - | - | - | - | - | - | - | - |
| KRF-V5030D | 5 | - | Y5 | - | - | - | - | - | - |
| KRF-V5030DE | 5 | - | - | - | - | - | - | - | - |
| KRF-V5030D-S | 5 | - | - | - | - | - | - | M5 | - |
| KRF-V6030D | 6 | - | - | - | - | - | - | - | - |
| KRF-V6030DE | 6 | - | - | - | - | - | - | - | - |
| KRF-V6030D-S | 6 | - | - | - | - | - | - | M6 | - |
| VR-405 | 5 | - | - | - | - | - | K5 | - | - |
| VR-406 | 6 | - | - | - | - | - | K6 | - | - |
| VR-414 | 4 | - | - | - | - | - | K4 | - | - |

KRF-V4530D/V5030D/V6030D/VR-405/406/414
PARTS LIST

KRF-V4530D/V5030D/V6030D/VR-405/406/414

SPECIFICATIONS

For U.S.A and Canada

AUDIO section (VR-407/406)

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz (VR-407), 40Hz (VR-406) to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

| | |
|--|--------------------------------|
| FRONT (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven) | 100 W + 100 W |
| CENTER (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven) | 100 W |
| SURROUND (20-20kHz/VR-407, 40-20kHz/VR-406, 0.7% T.H.D. at 8 Ω one channel driven) | 100 W + 100 W |
| Total harmonic distortion | 0.055% (1 kHz, 50W, 8 Ω) |
| Frequency response | |
| CD | 10 Hz ~ 53 kHz, +0 dB, -3.0 dB |
| Signal to noise ratio (IHF'66) | |
| PHONO (MM) | 75 dB |
| CD | 91 dB |
| Input sensitivity / impedance | |
| PHONO (MM) | 2.5 mV / 27 kΩ |
| CD | 200 mV / 47 kΩ |
| MONITOR IN (VR-406:VIDEO2/MONITOR) | 200 mV / 47 kΩ |
| Output level / impedance | |
| TAPE REC | 200 mV / 1 kΩ |
| MONITOR OUT (VR-406:VIDEO2/MONITOR) | 200 mV / 1 kΩ |
| PRE OUT (SUBWOOFER) | 2 V / 2.2 kΩ |
| Tone control | |
| BASS | ±10 dB (at 100 Hz) |
| TREBLE | ±10 dB (at 10 kHz) |

AUDIO section (VR-405/414)

Rated power output during STEREO operation

80 watts (VR-405), 50watts (VR-414) per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

| | |
|--|--|
| FRONT (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven) | 80 W + 80 W (VR-405), 50 W + 50 W (VR-414) |
| CENTER (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven) | 80 W (VR-405), 50 W (VR-414) |
| SURROUND (40-20kHz, 0.7% T.H.D. at 8 Ω one channel driven) | 80 W + 80 W (VR-405), 50 W + 50 W (VR-414) |
| Total harmonic distortion | 0.055% (1 kHz, 40W, 8 Ω) |
| Frequency response | |
| CD | 10 Hz ~ 53 kHz, +0 dB, -3.0 dB |
| Signal to noise ratio (IHF'66) | |
| CD | 91 dB |
| Input sensitivity / impedance | |
| CD | 200 mV / 47 kΩ |
| MONITOR IN (VIDEO2/MONITOR) | 200 mV / 47 kΩ |
| Output level / impedance | |
| TAPE REC | 200 mV / 1 kΩ |
| MONITOR OUT (VIDEO2/MONITOR) | 200 mV / 1 kΩ |
| PRE OUT (SUBWOOFER) | 2 V / 2.2 kΩ |
| Tone control | |
| BASS | ±10 dB (at 100 Hz) |
| TREBLE | ±10 dB (at 10 kHz) |

DIGITAL AUDIO section

| | |
|---------------------------------------|-----------------------------------|
| Sampling frequency | 32 kHz, 44.1 kHz, 48 kHz, 96kHz |
| Input level / impedance / wave length | |
| Optical | (-15 dBm ~ -21 dBm), 660 nm ±30nm |
| Coaxial | 0.5 Vp-p / 75 Ω |

VIDEO section

VIDEO inputs / outputs

| | |
|----------------------------|-------------------|
| VIDEO (composite) | 1 Vp-p / 75 Ω |
| S VIDEO (VR-407 only) | |
| (luminance signal) | 1 Vp-p / 75 Ω |
| (chrominance signal) | 0.286 Vp-p / 75 Ω |

FM tuner section

| | |
|--|---|
| Tuning frequency range | 87.5 MHz ~ 108 MHz |
| Usable sensitivity (MONO) | 1.6 μV (75 Ω) / 15.2 dBf (75 kHz DEV., SINAD 30 dB) |
| 50dB quieting sensitivity | |
| STEREO | 31.6 μV (75 Ω) / 41.2 dBf |
| Total harmonic distortion (1 kHz) | |
| MONO | 0.6% (65 dBf input) |
| STEREO | 0.7% (65 dBf input) |
| Signal to noise ratio (1 kHz, 75 kHz DEV.) | |
| MONO | 75 dB (65 dBf input) |
| STEREO | 68 dB (65 dBf input) |
| Stereo separation (1 kHz) | 38 dB |
| Selectivity (±400 kHz) | 70 dB |
| Frequency response | (30 Hz ~ 15kHz), +0.5 dB, -3.0 dB |

AM tuner section

| | |
|---|---------------------|
| Tuning frequency range | |
| 10 kHz step | 530 kHz ~ 1,700 kHz |
| Usable sensitivity (30% mod., S/N 20 dB) | 16 μV / (600 μV/m) |
| Signal to noise ratio (30% mod. 1 mV input) | 50 dB |

GENERAL

| | |
|----------------------------------|----------------------------|
| Power consumption (VR-414) | 2.3 A |
| (VR-405) | 2.0 A |
| (VR-407/406) | 2.6 A |
| AC outlet | |
| SWITCHED | (total 150 W, 1.25 A max.) |
| Dimensions | W : 440 mm (17-5/16") |
| | H : 143 mm (5-5/8") |
| | D : 400 mm (15-3/4") |
| Weight (Net) | 7.2 kg (15.8 lb) |

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

KRF-V4530D/V5030D/V6030D/VR-405/406/414

SPECIFICATIONS

For other countries

AUDIO section (KRF-V7030D/V6030D)

Effective power output during STEREO operation
1kHz, 10% T.H.D., at 8 Ω 140 W + 140 W
Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz (KRF-V6030D), 20Hz (KRF-V7030D) to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)

Effective power output during SURROUND operation
FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven) 140 W + 140 W
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven) 140 W
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven) 140 W + 140 W
Total harmonic distortion 0.055% (1 kHz, 50W, 8 Ω)
Frequency response
CD 10 Hz ~ 50 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)
PHONO (MM) 75 dB
CD 91 dB
Input sensitivity / impedance
PHONO (MM) 2.5 mV / 27 kΩ
CD 200 mV / 47 kΩ
MONITOR IN (KRF-V6030D:VIDEO2/MONITOR) 200 mV / 47 kΩ
Output level / impedance
TAPE REC 200 mV / 1 kΩ
MONITOR OUT (KRF-V6030D:VIDEO2/MONITOR) 200 mV / 1 kΩ
PRE OUT (SUBWOOFER) 2 V / 2.2 kΩ
Tone control
BASS (For Australia and U.S-Military) ±10 dB (at 100 Hz)
BASS (Other countries) ±10 dB (at 60 Hz)
TREBLE ±10 dB (at 10 kHz)

AUDIO section (KRF-V5030D)

Effective power output during STEREO operation
(1 kHz, 10%, 8Ω) 110 W + 110 W

80 watts channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation
FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven) 110 W + 110 W
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven) 110 W
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven) 110 W + 110 W
Total harmonic distortion 0.055% (1 kHz, 40W, 8 Ω)
Frequency response
CD 10 Hz ~ 53 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)
PHONO (MM) 73 dB
CD 91 dB
Input sensitivity / impedance
PHONO (MM) 2.5 mV / 27 kΩ
CD 200 mV / 47 kΩ

MONITOR IN (VIDEO2/MONITOR) 200 mV / 47 kΩ
Output level / impedance
TAPE REC 200 mV / 1 kΩ
MONITOR OUT (VIDEO2/MONITOR) 200 mV / 1 kΩ
PRE OUT (SUBWOOFER) 2 V / 2.2 kΩ
Tone control
BASS (For Australia and U.S-Military) ±10 dB (at 100 Hz)
BASS (Other countries) ±10 dB (at 60 Hz)
TREBLE ±10 dB (at 10 kHz)

DIGITAL AUDIO section

Sampling frequency 32 kHz, 44.1 kHz, 48 kHz, 96kHz
Input level / impedance / wave length
Optical (-15 dBm ~ -21 dBm), 660 nm ±30nm
Coaxial 0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs
VIDEO (composite) 1 Vp-p / 75 Ω
S VIDEO (KRF-V7030D only)
(luminance signal) 1 Vp-p / 75 Ω
(chrominance signal) 0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz
Usable sensitivity (MONO) 1.6 μV (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity
STEREO 31.6 μV (75 Ω)/ 41.2 dBf
Total harmonic distortion (1 kHz)
MONO 0.6% (65 dBf input)
STEREO 0.7% (65 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)
MONO 75 dB (65 dBf input)
STEREO 68 dB (65 dBf input)
Stereo separation (1 kHz) 38 dB
Selectivity (±400 kHz) 50 dB
Frequency response (30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range
9 kHz step 531 kHz ~ 1,602 kHz
10 kHz step 530 kHz ~ 1,610 kHz
Usable sensitivity 16 μV / (600 μV/m)
Signal to noise ratio (30% mod. 1 mV input) 50 dB

GENERAL

Power consumption
KRF-V5030D 190 W
KRF-V7030D/V6030D 250 W
AC outlet
SWITCHED (total 90 W max.)
Dimensions W : 440 mm
H : 143 mm
D : 400 mm
Weight (Net)(KRF-V7030D/V6030D) 7.4 kg
(Net)(KRF-V5030D) 7.2 kg

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

KRF-V4530D/V5030D/V6030D/VR-405/406/414

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

KENWOOD SERVICE CORPORATION

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

KENWOOD ELECTRONICS BRASIL LTDA.

Av. Moema, 170-17, Andar-Cobertura "B", Ed. Maximum Service Center, 04077-020 Moema, São Paulo-SP-Brasil

KENWOOD ELECTRONICS U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

KENWOOD ELECTRONICS BELGIUM N.V.

Meachelsesteenweg 418, B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129, Milano, Italy

KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

(A.C.N. 001 499 074)

16 Giffnock Avenue, North Ryde, N.S.W. 2113, Australia

KENWOOD ELECTRONICS (HONG KONG) LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

KENWOOD ELECTRONICS GULF FZE

P.O.Box 61318, Jebel Ali, Dubai, U.A.E.

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #02-02, KENWOOD Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD.

#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1 46300 Petaling Jaya Selangor Darul Ehsan Malaysia

KENWOOD ELECTRONICS (THAILAND) CO., LTD.

2019 New Pechburi Road, Bangkapi, Huaykwang, Bangkok, 10320 Thailand