

# STEREO INTEGRATED AMPLIFIER/TUNER

## C-V100/V150/V300/V350

### SERVICE MANUAL

# KENWOOD

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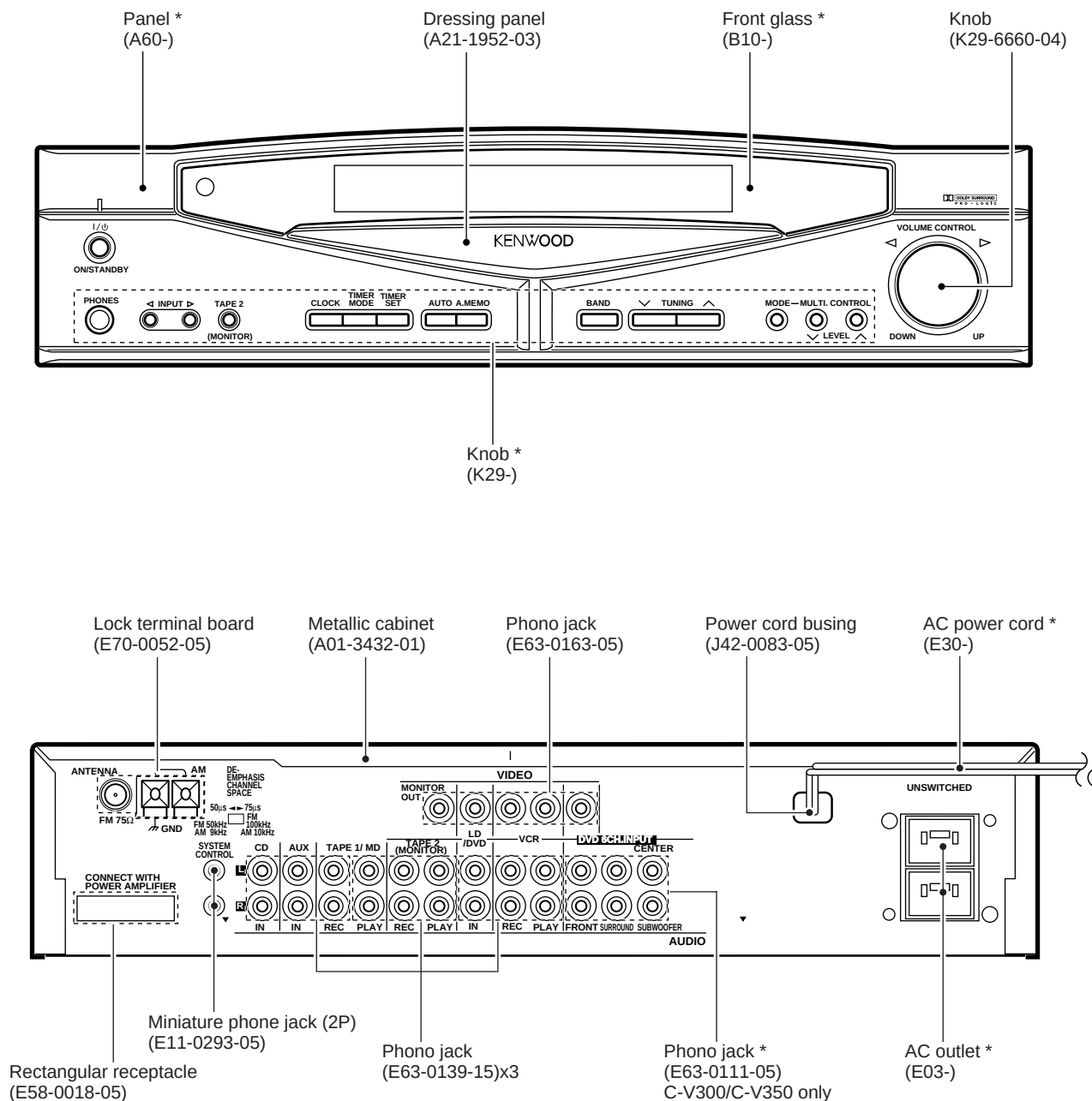


Illustration is C-V100.

\* Refer to parts list on page 33.

**Caution :** No connection of ground line if disassemble the unit.  
Please connect the ground line on rear panel, PCBs, Chassis and some others.

# C-V100/V150/V300/V350

## CONTENTS / ACCESSORIES

### Contents

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### How to reset the microcomputer

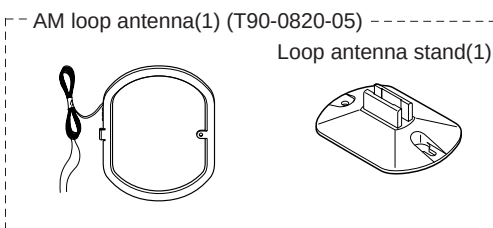
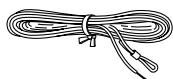
The microcomputer may malfunction (impossibility operation, erroneous display, etc.) when the power cord is unplugged and plugged in again while the unit is in ON mode with the Key pressed or due to other external causes. In this case, execute the procedure on the right to reset the microcomputer and return the unit to the normal condition.

- ① Unplug the power cord from the wall outlet.
- ② While pressing and holding the POWER or (ON/STANDBY) key, plug the AC cord into the wall outlet again

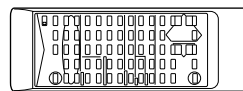
• Resetting the microcomputer clears the memory you entered and returns in to the initial condition when the unit left the factory.

### Accessories (C-V100/300)

FM indoor antenna(1)  
(T90-0809-05): MICX type  
(T90-0810-05): KPY type



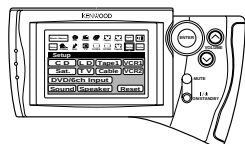
Remote control unit(1) \*  
(C-V100)  
(Except U.S.A. and Canada)



Cable tidy(2)  
(F07-0102-04)



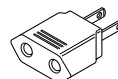
Graphical Remote Control unit(1) \*  
(C-V300)  
(C-V100, only U.S.A. and Canada) \*



Batteries(R03/AAA) (4)  
(C-V300)  
(C-V100, only U.S.A. and Canada)

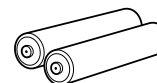


\*AC plug adapter (1)  
(E03-0115-05)



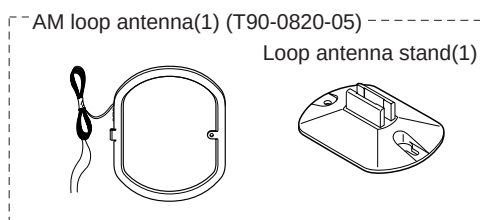
\* Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary)

Batteries(R6/AA) (2)  
(C-V100)  
(Except U.S.A. and Canada)

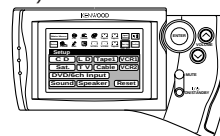


### (C-V150/350)

FM indoor antenna(1)  
(T90-0809-05): MICX type  
(T90-0810-05): ET type



Graphical Remote Control unit(1) \*  
(C-V350)

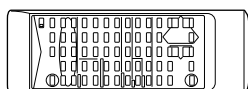


(Optional with the C-V150)

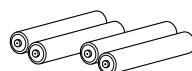
Cable tidy(2)  
(F07-0102-04)



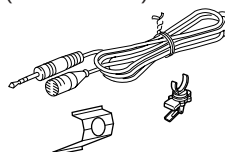
Remote control unit(1) \*  
(C-V150)



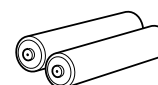
Batteries(R03/AAA) (4)  
(C-V350)



Microphone(1)  
(W01-0935-05)



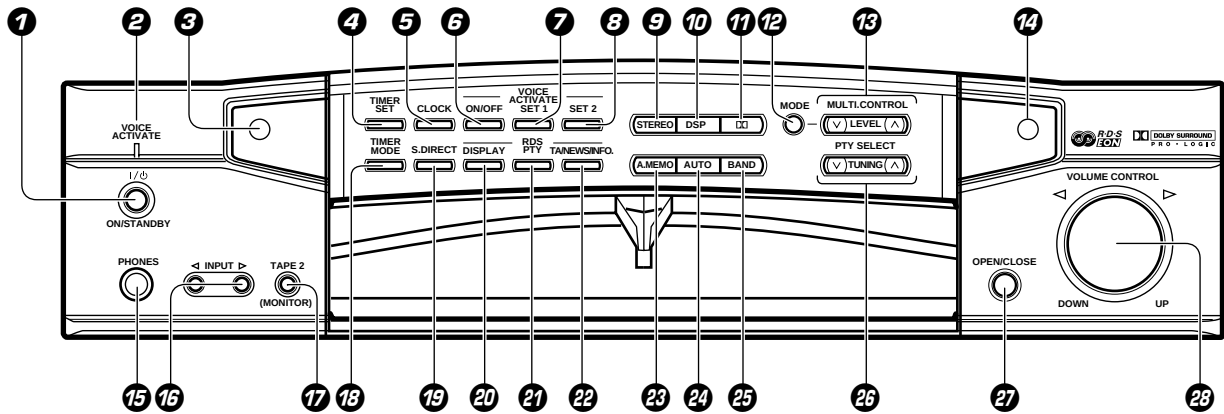
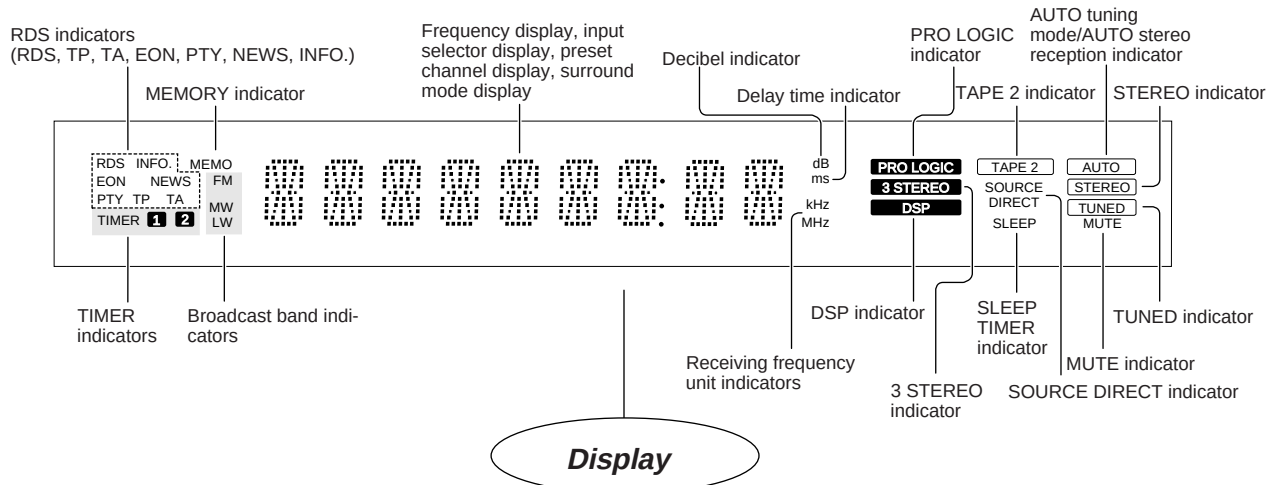
Batteries(R6/AA) (2)  
(C-V150)



\* Refer to parts list on page 33.

# C-V100/V150/V300/V350

## CONTROLS



The keys which have the same names as the controls on the remote control unit provide the same functions as them.

- 1 I/ψ (ON/STANDBY) key**  
Press to switch between ON and STANDBY.
- 2 VOICE ACTIVATE indicator**  
Lights to indicate an occurrence of voice activation.
- 3 Remote sensor**
- 4 TIMER SET key**  
Press to set the timer function.
- 5 CLOCK key**  
Press to set the clock.
- 6 VOICE ACTIVATE ON/OFF key**  
Press to switch the voice-activation operation ON and OFF.
- 7 VOICE ACTIVATE SET 1 key**  
Press to record words for use in voice activation.
- 8 VOICE ACTIVATE SET 2 key**  
Press to record words for use in voice activation.
- 9 STEREO key**
- 10 DSP key**
- 11 DOLBY key**
- 12 MODE key**  
Press to switch various setting modes.
- 13 MULTI.CONTROL key**  
Press to select various setting modes.
- 14 GRC transmitter**  
Outputs the signals transmitted to the Graphical Remote Control.
- 15 PHONES jack**  
For use in headphones listening.
- 16 INPUT SELECTOR key**  
Press to select the input.
- 17 TAPE 2 (MONITOR) key**  
For use in monitoring of recording, etc.
- 18 TIMER MODE key**  
Press to switch the timer modes.
- 19 S.DIRECT key**  
Press to switch the Source Direct function which allows to reproduce the source with a better quality.
- 20 RDS DISPLAY key**  
Press to switch the RDS display.
- 21 RDS PTY key**  
For use during reception of RDS broadcasting.
- 22 RDS TA/NEWS/INFO. key**  
For use during reception of RDS broadcasting.
- 23 A.MEMO key**  
Press when using the auto memory function.
- 24 AUTO key**  
Press to select the tuning mode. The auto tuning or manual tuning mode can be selected. The input selection display of a source can be switched to another by pressing and holding the **AUTO** key for more than 2 seconds.
- 25 BAND key**  
Press to switch the broadcasting band.
- 26 TUNING keys (∧, ∨)**  
Press to select the radio station to be received. These keys are also used in the clock adjustment and timer operations.
- 27 OPEN/CLOSE key**
- 28 VOLUME CONTROL knob**

### STANDBY mode indication

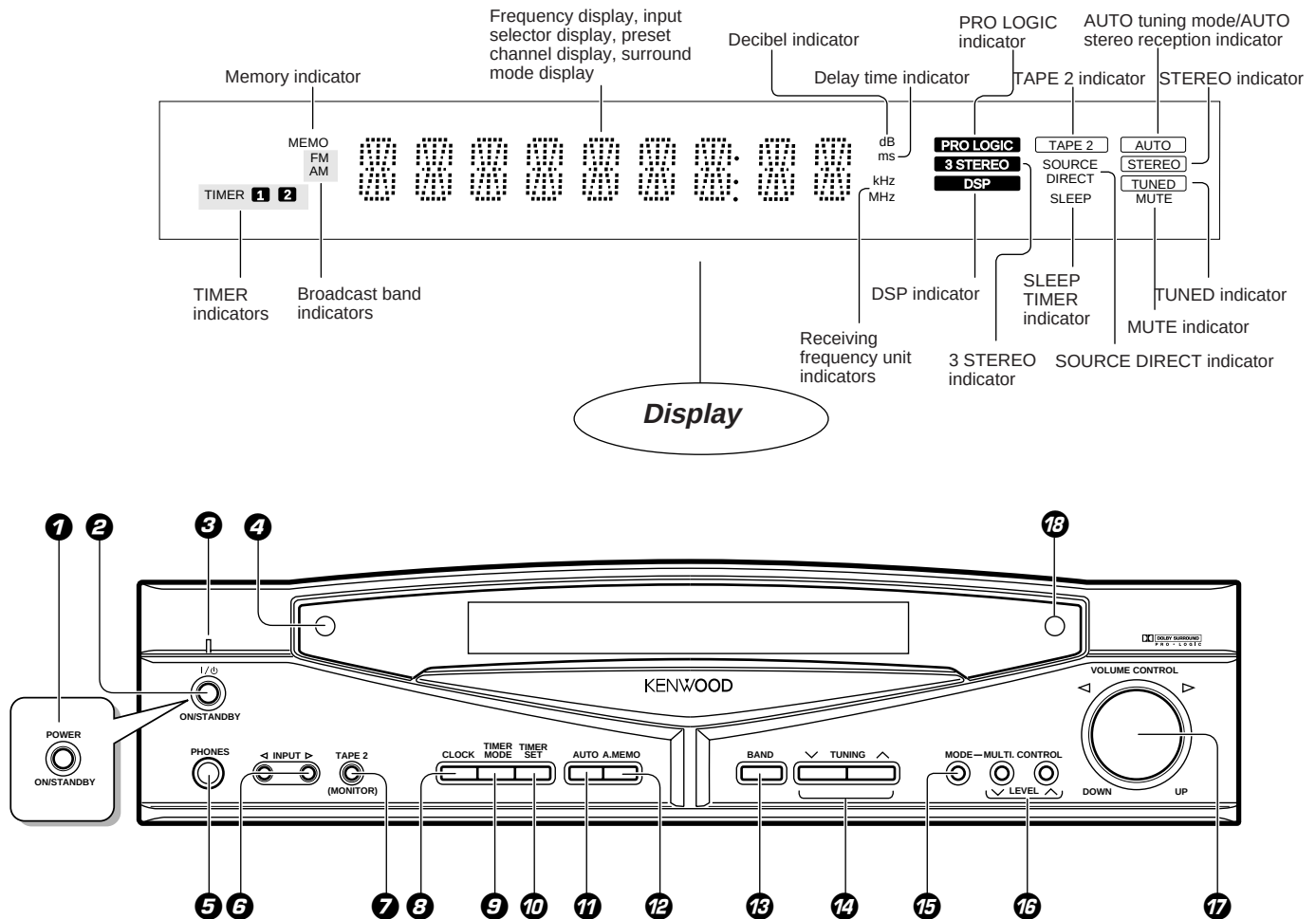
While standby mode is indicated, a small amount of power is supplied to the system to back up the memory. In this mode, the system can be turned ON by remote control.

With this unit, standby mode is indicated by means of the display panel. The system is in standby mode while the clock display is shown.

# C-V100/V150/V300/V350

## CONTROLS

### For C-V100



The keys which have the same names as the controls on the remote control unit provide the same functions as them.

- 1 POWER (ON/STANDBY) key**  
(U.S.A. and Canada)  
Press to switch between ON and STANDBY.
- 2 I/O (ON/STANDBY) key**  
Press to switch between ON and STANDBY.
- 3 STANDBY indicator**
- 4 Remote sensor**
- 5 PHONES jack**  
For use in headphones listening.
- 6 INPUT SELECTOR key**  
Press to select the input.
- 7 TAPE 2 (MONITOR) key**  
For use in monitoring of recording, etc.
- 8 CLOCK key**  
Press to set the clock.
- 9 TIMER MODE key**  
Press to switch the timer modes.
- 10 TIMER SET key**  
Press to set the timer function.
- 11 AUTO key**  
Press to select the tuning mode.  
The auto tuning or manual tuning mode can be selected.  
The input selection display of a source can be switched to another by pressing and holding the **AUTO** key for more than 2 seconds.
- 12 A.MEMO key**  
Press when using the auto memory function.
- 13 BAND key**  
Press to switch the broadcasting band.
- 14 TUNING keys (∧, ∨)**  
Press to select the radio station to be received.  
These keys are also used in the clock adjustment and timer operations.
- 15 MODE key**  
Press to switch various setting modes.
- 16 MULTI. CONTROL key**  
Press to select various setting modes.
- 17 VOLUME CONTROL knob**
- 18 GRC transmitter**  
Outputs the signals transmitted to the Graphical Remote Control.

### STANDBY mode indication

While standby mode is indicated, a small amount of power is supplied to the system to back up the memory. In this mode, the system can be turned ON by remote control.

## CONTROLS

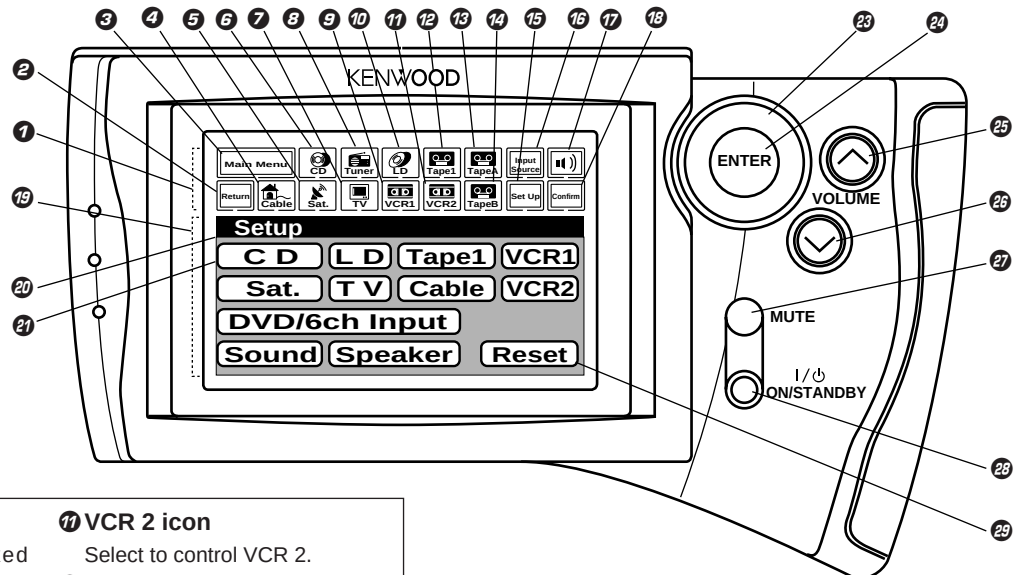
# Controls and indicators

The Graphical Remote Control (GRC) unit provided with the AV CONTROL CENTER can also control KENWOOD cassette decks, CD player and LD player which are connected to it through system control cords. For details of the controllable functions, refer to the instruction manuals of these components.

Model: GRC-100/150  
Infrared system



Perform "Model Type Setup" of the GRC before using it.



## Segment screen

### ① Segment screen

This area displays the fixed icons.

### ② Return icon

Select to return to the previous display.

### ③ Main Menu icon

Select to change the input source or select Main Menu 2.

### ④ Cable TV icon

Select to control the cable TV.

### ⑤ Satellite Tuner icon

Select to control the satellite tuner.

### ⑥ CD icon

Select to control the CD player.

### ⑦ TV icon

Select to control the TV.

### ⑧ Tuner icon

Select to control the tuner.

### ⑨ VCR 1 icon

Select to control VCR 1.

### ⑩ LD icon

Select to control the LD player.

### ⑪ VCR 2 icon

Select to control VCR 2.

### ⑫ Tape 1 icon

Select to control cassette deck 1.

### ⑬ Tape A icon

Select to control cassette deck A.

### ⑭ Tape B icon

Select to control cassette deck B.

### ⑮ Set Up icon

Select to make setup operations.

### ⑯ Input Source icon

Select to switch the input source.

### ⑰ Sound icon

Select to control the sound-related functions.

### ⑱ Confirm icon

Select to confirm a setting, etc.

• The input source can be selected using icon ③ or ⑯.

• Icons ④ to ⑭ are used to select the component to be controlled.

## Menu screen

### ⑲ Menu screen

This area displays the control key icons and level information.

### ⑳ Mode display

The above illustration indicates the Setup mode.

### ㉑ CD icon

Select to set up the CD player.

### ㉒ Reset icon

Select to return to the "Model Type Setup" menu screen.

## Operation keys

### ㉓ Joystick key

For use in selecting icons. The joystick moves in 8 directions.

### ㉔ ENTER key

Press to enter a selection.

### ㉕ VOLUME (UP) control key

Press to increase the volume level.

### ㉖ VOLUME (DOWN) control key

Press to decrease the volume level.

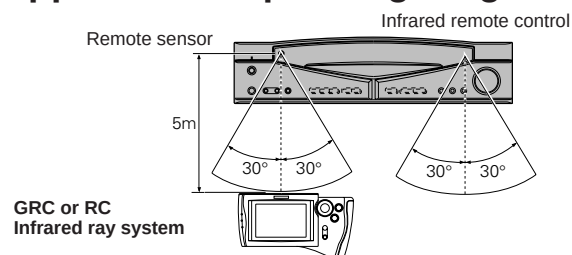
### ㉗ MUTE key

Press to mute sound temporarily.

### ㉘ I/O (ON/STANDBY) key

Press to switch the AV CONTROL CENTER and the components connected to it through system control cords between ON and STANDBY.

## Approximate operating range



1. The supplied batteries are intended for use in operation check. Therefore, their lives may be shorter than ordinary batteries.
2. When the remote-controllable distance gets shorter than before, replace all four batteries with new ones.
3. Malfunction may occur if direct sunlight or the light of a high-frequency lighting fluorescent lamp enters the remote sensor. In such a case, change the system installation position to prevent the malfunction.
4. The GRC display may show erroneous information when the GRC unit is operated from outside the specified range.

## CONTROLS

### Names and functions of the keys

The "RC" remote control unit provided with the AV CONTROL CENTER can also control KENWOOD cassette decks, CD player and LD player connected to the AV CONTROL CENTER through system control cords. For details of the controllable functions, refer to the instruction manuals of these components.

The RC keys with the same names as the corresponding keys on the main unit have the same function as the main unit keys.

#### 1 I/ψ (POWER) key

Press to switch the AV CONTROL CENTER and the components connected to it through system control cords between ON and STANDBY.

#### 2 A ↔ B switch

Some of the RC keys function in two ways. The key functions indicated inside ( ) are usable when this switch is set to B.

Usually set this switch to A. In this manual, the description of a function which requires this switch to be set to B is accompanied with the illustration of .

#### 3 Numeric keys

Use these keys as the numeric key of the currently selected input source component.

#### 4 TUNER operation keys

**BAND key**  
(RDS DISPLAY key)  
**MEMO key**  
(AUTO MEMORY key)  
**P.CALL ▽:down key**  
(PTY key)  
**P.CALL △:up key**  
(TA/NEWS/INFO. key)

#### 5 LD player operation key

Read the instruction manual of the LD player.

 **CX key**  
**AUTO DIGITAL key**

#### 6 AV CONTROL CENTER operation keys

**PRO LOGIC key**  
**3 STEREO key**  
**DSP key**  
**STEREO key**  
**SOURCE DIRECT key**  
**TEST TONE key**  
**MODE key**

Use this key to select the setting modes.

**MULTI CONTROL LEVEL**

**△: up key, ▽: down key**

Use these keys to adjust the tone or set the surround play.

**TAPE 2 (MONITOR) key**

**INPUT key**

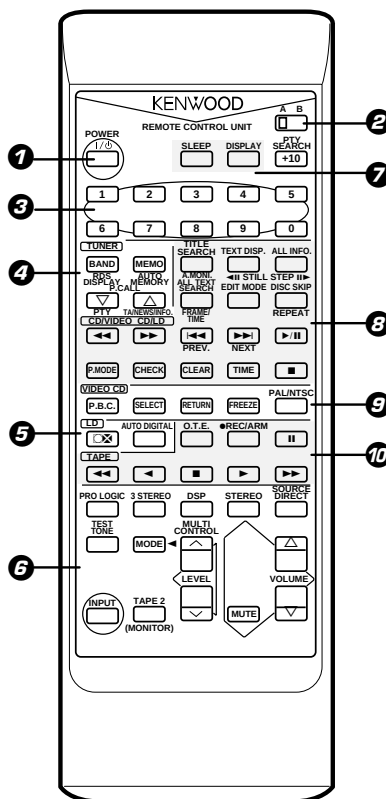
Use this key as the input selector key.

**MUTE key**

Use this key to mute the sound temporarily.

**VOLUME △: up key, ▽: down key**

Use these keys to adjust the volume.



Model: RC-S503/RC-S505  
Infrared system

#### 10 Cassette deck operation keys

Read the instruction manual of the cassette deck.

● **REC/ARM key**

**II key**

**◀◀ key**

**◀ key**

**■ key**

**▶ key**

**▶▶ key**

(O.T.E. key)

#### 7 Key

**SLEEP key**

Press when setting the sleep timer.

**DISPLAY key**

Press to switch the displayed information.

#### 8 CD/VIDEO CD/LD player operation keys

Read the instruction manuals of the CD player, VIDEO CD player and/or LD player.

**TITLE SEARCH key**

(A.MONI key)

**TEXT DISP. key**

(STILL STEP ◀◀ key)

**ALL INFO. key**

(STILL STEP ▶▶ key)

**ALL TEXT SEARCH key**

(FRAME/TIME key)

**EDIT MODE key**

**DISC SKIP key**

(REPEAT key)

**◀◀ key**

**▶▶ key**

**◀◀ key (PREV.)**

**▶▶ key (NEXT)**

**▶/II key**

**P.MODE key**

**CHECK key**

**CLEAR key**

**TIME key**

**■ key**

#### 9 VIDEO CD player-specific operation keys

Read the instruction manual of the VIDEO CD player.

**P.B.C. key**

**SELECT key**

**RETURN key**

**FREEZE key**

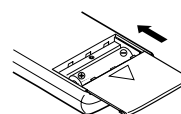
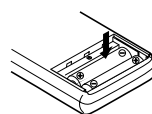
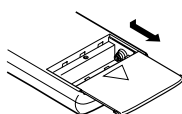
**PAL / NTSC key**

### Loading batteries

1 Slide open the cover.

2 Insert batteries.

3 Close the cover.



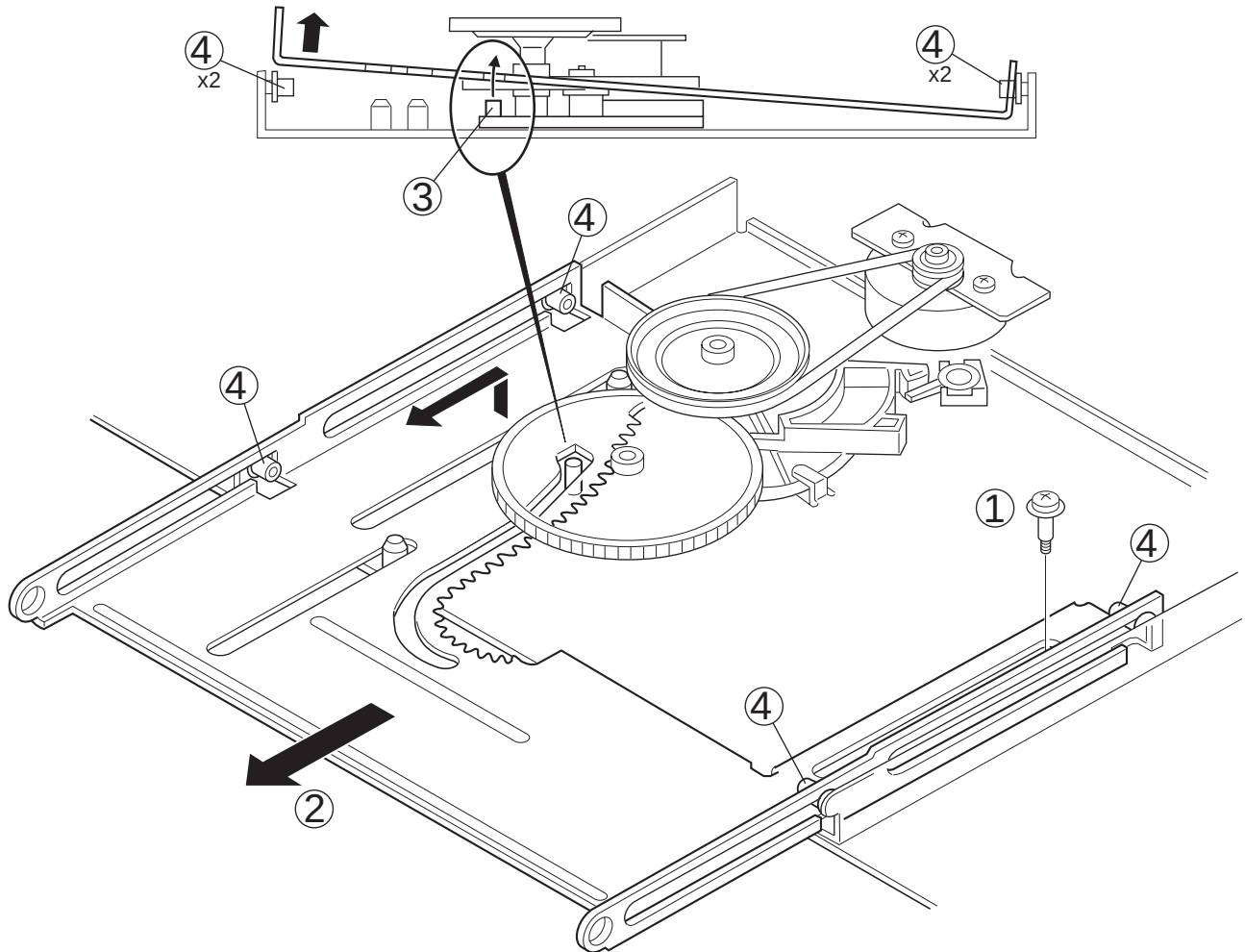
• Insert two AA-size (R6/SUM-3) batteries as indicated by the polarity marking.



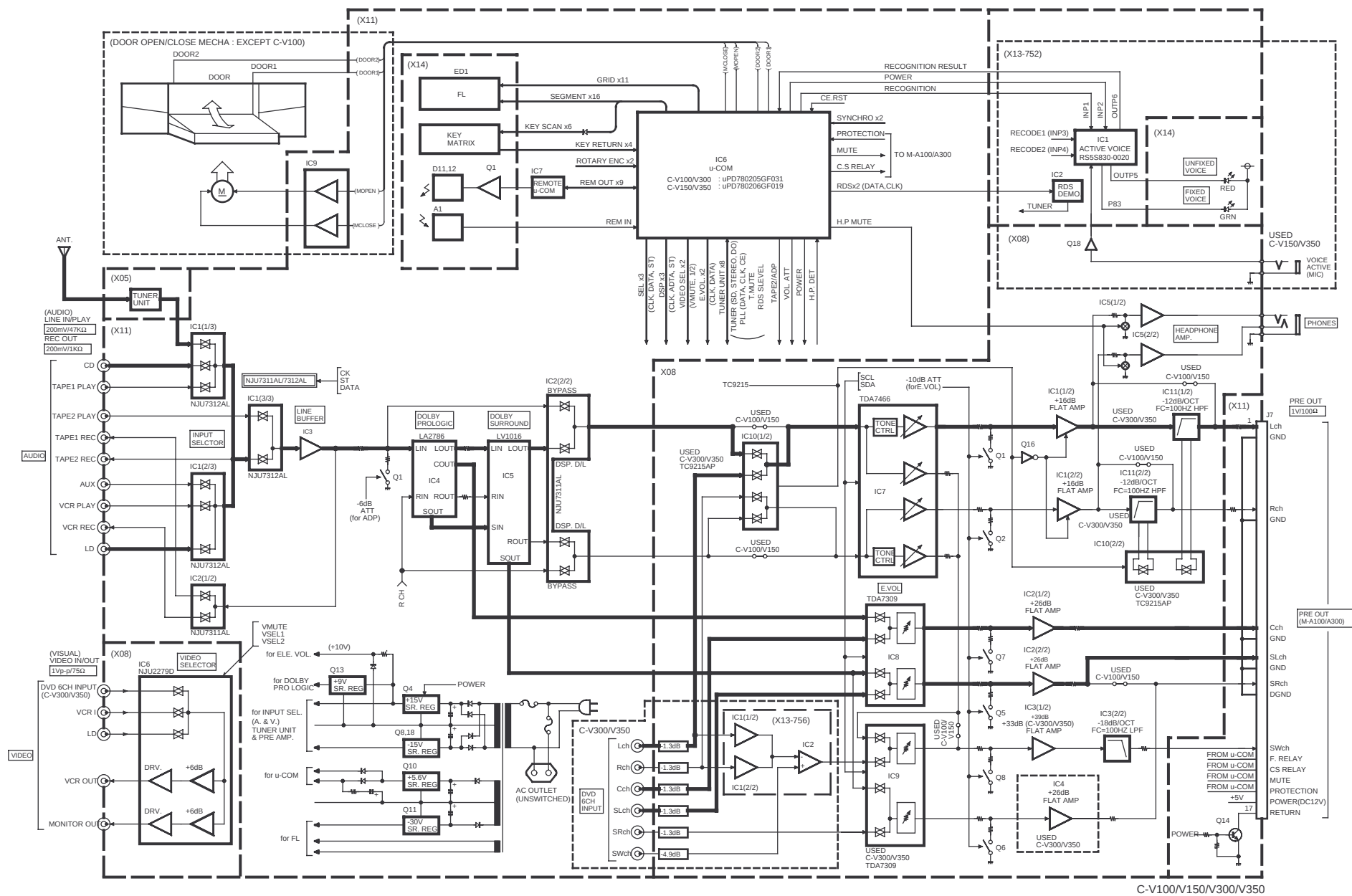
# C-V100/V150/V300/V350

## DISASSEMBLY FOR REPAIR

1. Remove the 1 screw (①), Then pull the slider (②) till last
2. While raise the slider of left side, remove the slider from the bosses (③,④)



## BLOCK DIAGRAM





## CIRCUIT DESCRIPTION

### 1. New Functions

#### 1-1 Amp section

- (a) LCD Remote Control with System Control Code  
Display on remote control shows the present condition of others units; CD player, cassette deck and so.
- (b) One Touch Operation
  - In power off mode, system will turn on and start to playback if play key on every unit; CD, DECK, DVD, and MD will be pressed .
  - In power off mode, system will turn on and start to open if open/close key on every unit; CD, DECK (single), DVD, and MD will be pressed
- (c) Voice Activation (C-V150/V350)  
In voice activation mode, when system has "KENWOOD" word it will turn on and start to playback CD or LD player even if power switch is turn off.  
Key word will be available of changing any other word.
- (d) Automatic Power-off  
The system will be turned off if it is turned on by voice activation and selector keeps position at CD or LD position and system does to stop condition for 30 mints in CD or LD mode.

#### 1-2 Tuner section

- EON(Enhanced Other Network) (C-V150/V350)
  - Automatic memory (broadcasting station name with sort mode), FM station will be morized after RDS station are done.
  - In the case of broadcasting TA(Traffic information), NEWS(PHY), and INFO(PHY) in same network station, system will receive TA, NEWS, INFO or normal broadcastings automatically.

### 2. Backup and Initial Data

|                              |                       |
|------------------------------|-----------------------|
| Power                        | :off                  |
| Main volume                  | :-65dB                |
| Audio selector               | :tuner                |
| Video selector               | :vcr                  |
| Tape 1/md                    | :tape 1               |
| Ld/dvd(C-V300/V350)          | :ld                   |
| Tape 2/monitor               | :off                  |
| FI display mode              | :selector             |
| Source direct                | :off                  |
| Surround mode                | :stereo               |
| Dolby mode                   | :pro logic            |
| Dsp mode                     | :Arena                |
| Speaker level                | :0dB                  |
| Balance                      | :Center               |
| Input level                  | :0dB                  |
| Delay time                   | :20ms                 |
| Effect level                 | :3                    |
| Tone bass                    | :0dB                  |
| Tone treble                  | :0db                  |
| Tuning mode                  | :Auto                 |
| Preset memory                | :Test frequency       |
| Last band                    | :FM                   |
| Fm last frequency            | :87.5MHz              |
| Am (mw) last frequency       | :531kHz               |
|                              | (channel space 9kHz)  |
|                              | :530kHz               |
|                              | (channel space 10kHz) |
| Lw last frequency            | :153kHz               |
| Last P.ch                    | :-ch                  |
| PTY select mode(C-V150/V350) | :off                  |
| RDS display mode             | :frequency            |
| TA/NEWS/INFO                 | :off                  |
| Clock                        | :A.M.12:00            |
| Timer                        | :off                  |
| Sleep timer                  | :off                  |
| Voice activation key word    | :KENWOOD              |
| Voice activation             | :on                   |

\*Initial setting : While pressing the CD key, plug the power cord into the ac power outlet.

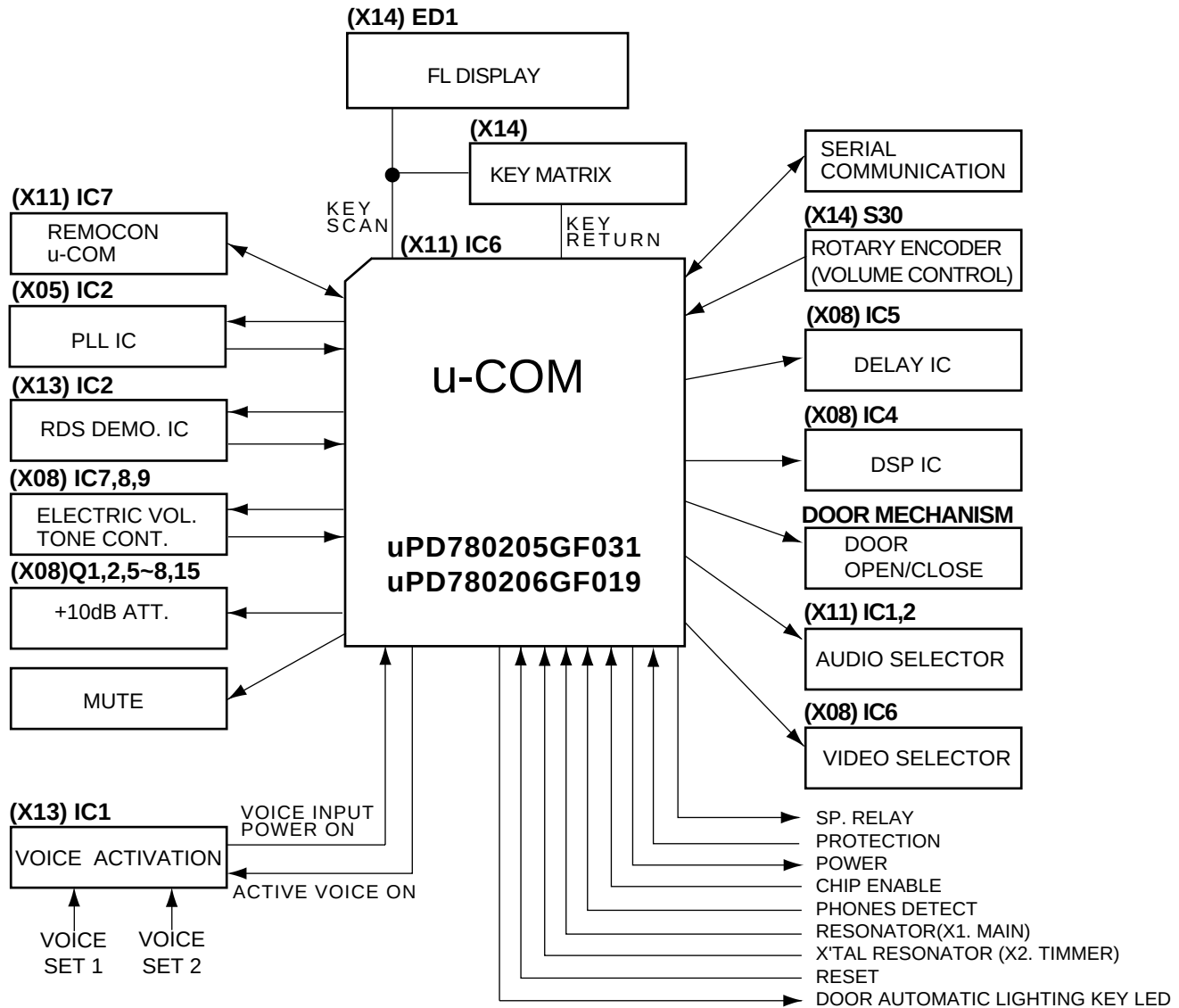
# C-V100/V150/V300/V350

## CIRCUIT DESCRIPTION

3. Main microprocessor uPD 780205GF031 (X11 : IC6) : C-V100/V300

uPD 780206GF019 (X11 : IC6) : C-V150/V350

3-1 Microprocessor periphery block diagram



3-2 Key matrix

No. into ○: Pin No. of main u-COM

|        | ② KR3          | ③ KR2         | ④ KR1         | ⑤ KR0             |
|--------|----------------|---------------|---------------|-------------------|
| ⑦③ KS0 | (S.DIRECT)     | (STEREO)      | (DSP)         | (DOLBY)           |
| ⑦④ KS1 | VOICE ON / OFF | DISPLAY (RDS) | PTY           | TA / NEWS / INFO. |
| ⑦⑤ KS2 | MODE           | MULTI LEVEL ◁ | MULTI LEVEL ▷ | (OPEN / CLOSE)    |
| ⑦⑥ KS3 | CLOCK SET      | AUTO MEMORY   | BAND          | AUTO              |
| ⑦⑦ KS4 | TUNING △       | TIMER SET     | INPUT ◁       | INPUT ▷           |
| ⑦⑧ KS5 | TUNING ▽       | TIMER MODE    | ON / STANDBY  | TAPE 2 (MONITOR)  |
| KS6    |                |               |               |                   |
| ⑧① KS7 | DSW0 / D15     | DSW1 / D14    | DSW2 / D13    | DSW3              |
| ⑧② KS8 | DSW4 / D16     |               |               |                   |

- ( ) : C-V300/V350 function
- DSW1 ~ DSW4 : Tuner distinction
- DSW5 : C-V100/V150 or C-V300/V350 Model distinction
- PTY, TA / NEWS / INFO, DISPLAY (RDS) : RDS function model (C-V150/V350)

## CIRCUIT DESCRIPTION

## 3-3 Pin description

| Pin No. | Port Name   | I/O | Description                                                          |
|---------|-------------|-----|----------------------------------------------------------------------|
| 1       | Vdd         | I   | Power supply (+5V)                                                   |
| 2~5     | KR3-0       | I   | key return 3 ~ 0                                                     |
| 6,7     | ENC_VOL1,2  | I   | Encoder pulse detect1, 2                                             |
| 8       | /HP_DET     | I   | Headphone detect L : Yes                                             |
| 9       | /CE         | I   | Chip enable L : Enable                                               |
| 10      | /RESET      | I   | Microprocessor reset L : Reset                                       |
| 11,12   | X1,2        | I   | Clock generator                                                      |
| 13      | IC(vpp)     | –   | Connect to Vss                                                       |
| 14,15   | XT1,2       | –   | Sub clock generator                                                  |
| 16      | Vdd         | –   | Power supply (+5V)                                                   |
| 17      | /HP_MUTE    | O   | Mute of headphones                                                   |
| 18      | PROTECTION  | I   | Protection detection                                                 |
| 19      | SBUSY       | I/O | Serial data busy                                                     |
| 20      | SDATA       | I/O | Serial data                                                          |
| 21      | DSP_CLK     | O   | Clock for DSP                                                        |
| 22      | DSP_DATA    | O   | Data for DSP                                                         |
| 23      | DSP_ST      | O   | Strobe for DSP                                                       |
| 24      | /MUTE       | O   | Mute control L : Mute on                                             |
| 25      | Avss        | –   | GND of a/d converter                                                 |
| 26      | PLL_DO      | O   | PLL do                                                               |
| 27      | PLL_CE      | O   | Chip enable for pll                                                  |
| 28      | PLL_DATA    | O   | Data detection for pll                                               |
| 29      | PLL_CLK     | O   | Clock for pll                                                        |
| 30      | /T_MUTE     | O   | Mute for tuner L : Mute on                                           |
| 31      | /STEREO     | I   | Stereo signal detection L : Stereo                                   |
| 32      | /SD         | I   | Synchro signal detection L : SD detection                            |
| 33      | RDS_SLEVEL  | I   | Signal level of rds                                                  |
| 34      | Avdd        | –   | Analog power supply for a/d converter                                |
| 35      | Avref       | –   | Reference voltage for a/d converter                                  |
| 36      | RDS_CLK     | I   | Clock for rds                                                        |
| 37      | RDS_DATA    | I   | Data for rds                                                         |
| 38      | DOOR_LED    | O   | Door led automatic light key                                         |
| 39      | REMOCON_IN  | I   | Input port of remote control signal                                  |
| 40      | Vss         | –   | GND                                                                  |
| 41      | +10dB_ATT   | O   | +10dB attenuator L : Att on                                          |
| 42      | VOL_DATA    | I/O | Electric volume control data                                         |
| 43      | INPUT_LEVEL | O   | 0/-6dB switch of input level                                         |
| 44      | DOOR_DET1   | I   | Door open detection switch                                           |
| 45      | DOOR_DET2   | I   | Door close detection switch                                          |
| 46      | Vdd         | –   | Power supply (+5V)                                                   |
| 47      | M_OPEN      | O   | Motor open function                                                  |
| 48      | M_CLOSE     | O   | Motor close function                                                 |
| 49      | CS_RELAY    | O   | Center and surround speaker relay control L : C, Sch off             |
| 50      | F_RELAY     | O   | Front and sub-woofer speaker relay control L : L, R, Switch off      |
| 51      | TC9215      | O   | 2/6ch switch of input L : 2ch                                        |
| 52      | REM_RWRREQ  | O   | Rewrite request signal of left-right remote control data L : Request |
| 53      | REM_PWR     | I   | Rewrite in signal of left-right remote control data L : rewrite-in   |

# C-V100/V150/V300/V350

## CIRCUIT DESCRIPTION

| Pin No. | Port Name  | I/O | Description                                                       |
|---------|------------|-----|-------------------------------------------------------------------|
| 54      | REM_REREN  | I   | Transmit signal of left-right remote control dat L : Transmission |
| 55~62   | INP0-7     | O   | Remote control data bits 0-7                                      |
| 63      | VOICE_CTRL | O   | Voice activation/standby led                                      |
| 64      | SEL_STB1   | O   | Strobe signal for selector ic                                     |
| 65      | SEL_DATA   | O   | Data signal for selector ic                                       |
| 66      | SEL_CLK    | O   | Clock signal for selector ic                                      |
| 67      | VOICE_CTRL | I   | Input port of voice activation                                    |
| 68      | VOL_CLK    | O   | Clock signal for electric volume                                  |
| 69~71   | VSEL1-3    | O   | Video selector 1-3                                                |
| 72      | POWER      | O   | Power relay control                                               |
| 73~78   | SEG 11-16  | O   | Display segment control 11-16/key scan 0-5                        |
| 79      | Vload      | –   | Connect to pull down resistor                                     |
| 80      | SEG10      | O   | Display segment control 10                                        |
| 81      | SEG9       | O   | Display segment control 9/key scan 7(tuner selection)             |
| 82      | SEG8       | O   | Display segment control 8/key scan8(model selection)              |
| 83~89   | SEG1-7     | O   | Display segment control 1-7                                       |
| 90~100  | GRID1-11   | O   | Display grid control 1-11                                         |

### 3-4 DESTINATION LIST OF TUNER

| Destination         | Band                                                        | Frequency Range    | Channel space | IF       | PLL Frequency | Diode SW (X11) |            |                |            |
|---------------------|-------------------------------------------------------------|--------------------|---------------|----------|---------------|----------------|------------|----------------|------------|
|                     |                                                             |                    |               |          |               | DSW3           | DSW2 (D13) | DSW1 (D14)     | DSW0 (D15) |
| K1<br>(1700)        | FM                                                          | 87.5MHz ~ 108.0MHz | 100kHz        | -10.7MHz | 50kHz         | 0              | 0          | 0              | 0          |
|                     | AM                                                          | 530kHz ~ 1700kHz   | 10kHz         | +450kHz  | 10kHz         |                |            |                |            |
| K2<br>(1610)        | FM                                                          | 87.5MHz ~ 108.0MHz | 100kHz        | +10.7MHz | 25kHz         | 0              | 0          | 0              | 1          |
|                     | AM                                                          | 530kHz ~ 1610kHz   | 10kHz         | +450kHz  | 10kHz         |                |            |                |            |
| E1                  | FM                                                          | 87.5MHz ~ 108.0MHz | 50kHz         | +10.7MHz | 25kHz         | 0              | 0          | 1              | 1          |
|                     | AM                                                          | 531kHz ~ 1602kHz   | 9kHz          | +450kHz  | 9kHz          |                |            |                |            |
| E3<br>(RDS)         | FM                                                          | 87.5MHz ~ 108.0MHz | 50kHz         | +10.7MHz | 25kHz         | 0              | 1          | 0              | 1          |
|                     | AM                                                          | 531kHz ~ 1602kHz   | 9kHz          | +450kHz  | 9kHz          |                |            |                |            |
| E4<br>(LW)<br>(RDS) | FM                                                          | 87.5MHz ~ 108.0MHz | 50kHz         | +10.7MHz | 25kHz         | 0              | 1          | 1              | 0          |
|                     | MW                                                          | 531kHz ~ 1602kHz   | 9kHz          | +450kHz  | 9kHz          |                |            |                |            |
|                     | LW                                                          | 153kHz ~ 279kHz    | 9kHz          | +450kHz  | 9kHz          |                |            |                |            |
| M                   | K2/E1 change only setting "DSW1"<br>(DSW1 = 0 : K2, 1 : E1) |                    |               |          |               | 0              | 0          | (Q3, D11)<br>X | 1          |

☆ Diode SW (DSWx) :

0 = no diode (static mode, LOW)

1 = diode (static mode, HIGH)

X = Transistor SW (0 = OFF/1 = ON)

### 3-5 MODEL DISTINCTION

- C-V350, 300/C-V150, 100

| MODEL       | DIODE SW (X11) D16 |
|-------------|--------------------|
| C-V150, 100 | 0                  |
| C-V350, 300 | 1                  |

## CIRCUIT DESCRIPTION

### [TEST MODE]

#### 1. SETTING

|                |                                                                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SETTING</b> | While depressing the <input type="button" value="◁ INPUT ▷"/> key, then plug the power cord into AC outlet.<br>The display becomes the all lighting, then push a key. The display becomes normal. |
| <b>CANCEL</b>  | POWER OFF (Remove the AC plug from the AC outlet)                                                                                                                                                 |

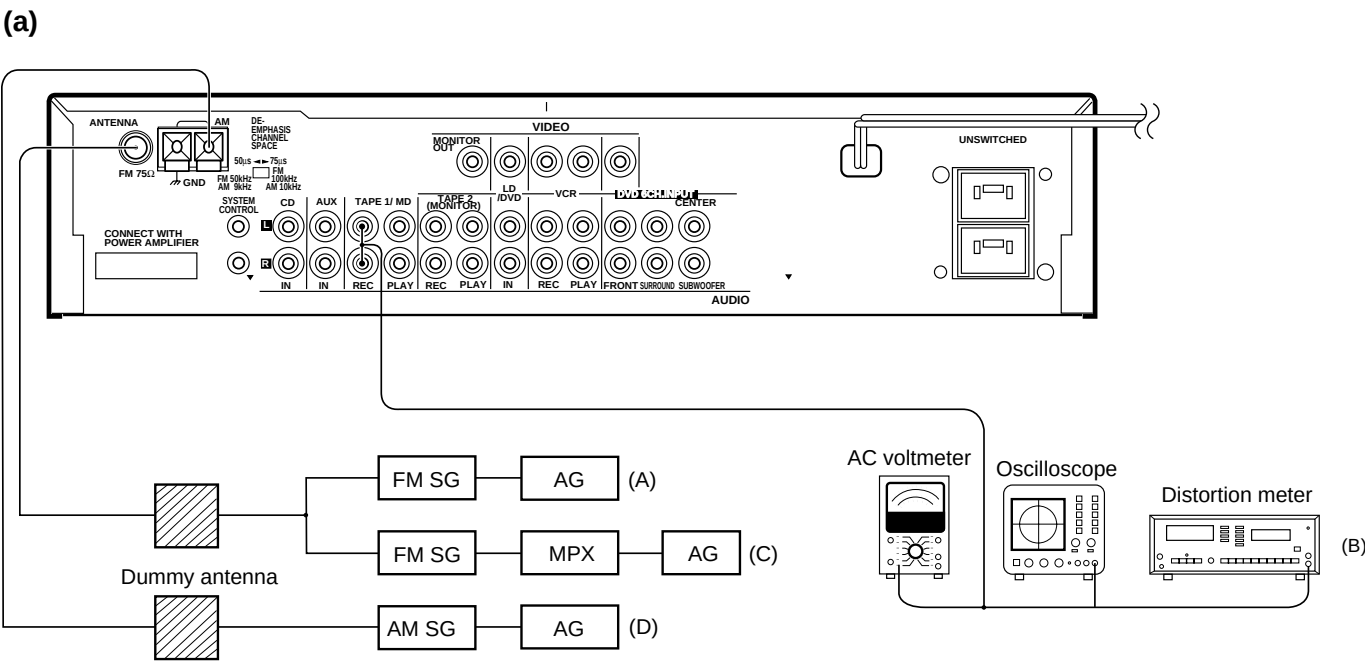
#### 2. DESCRIPTION

|              | OPERATION KEY | TUNER                                                                                                                                                                                                                                             | EXCEPT TUNER                                             | REMARKS       |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
|--------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|------|-----------|--------|--|------------|--|-------|--|-------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|--------|------|--------|--|-------------|-------|--------|--|-----------|-----|-------|--|---------|----|-------|------------|------------|---|--------|--|-------|---|--------------|-----------|-------------|--------|------|--|-----------|------|--|
| 1            | ◁ INPUT ▷     | <div>→ 00 87.50 ↔ CD ↔ LD ↔ 6ch INPUT(C-V300/V350 only) ←</div> <div>→ TAPE 1 ↔ AUX ↔ VCR ←</div>                                                                                                                                                 |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 2            | TIMER SET     | PRESET ch UP                                                                                                                                                                                                                                      | PROLOGIC ↔ 3 STEREO                                      |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 3            | TIMER MODE    | PRESET ch DOWN                                                                                                                                                                                                                                    | <div>→ ARENA → JAZZ CLUB ←</div> <div>→ STADIUM ←</div>  |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 4            | CLOCK         | FL lighting ON ↔ OFF                                                                                                                                                                                                                              | STEREO MUTE ON ↔ OFF                                     |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 5            | DISPLAY       | TIMER NO PS ↔ 01 87.50                                                                                                                                                                                                                            |                                                          | C-V150/V350   |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 6            | PTY           | <div>→ INPUT SELECTOR → OFF, S-LEVEL → ON, S-LEVEL ←</div>                                                                                                                                                                                        |                                                          | C-V150/V350   |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 7            | TA/NEWS/INFO  | <div>→ TA → NEWS → INFO ←</div>                                                                                                                                                                                                                   |                                                          | C-V150/V350   |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 8            | STEREO        | STEREO MUTE ON ↔ OFF                                                                                                                                                                                                                              |                                                          | EXCEPT C-V100 |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 9            | <div>□□</div> | <div>PRO LOGIC</div> ON ↔ OFF                                                                                                                                                                                                                     | PRO LOGIC ↔ 3 STEREO<br>(TEST TONE ON / OFF by AUTO key) | EXCEPT C-V100 |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 10           | A, MEMO       | FREQUENCY UP                                                                                                                                                                                                                                      |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 11           | AUTO          | AUTO ON ↔ OFF                                                                                                                                                                                                                                     | <div>SOURCE DIRECT</div> ON ↔ OFF                        | STEREO        |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| 12           | MODE          | <table><tr><th>MODE \ Key</th><th>LEVEL</th></tr><tr><td>BASS</td><td>DOWN ↔ UP</td></tr><tr><td>TREBLE</td><td></td></tr><tr><td>LR BALANCE</td><td></td></tr><tr><td>SW ch</td><td></td></tr><tr><td>INPUT</td><td>-6dB ↔ 0dB</td></tr></table> | MODE \ Key                                               | LEVEL         | BASS | DOWN ↔ UP | TREBLE |  | LR BALANCE |  | SW ch |  | INPUT | -6dB ↔ 0dB | <table><tr><th>key</th><th>LEVEL</th><th>TUNING</th><th>BAND</th></tr><tr><td>VOLUME</td><td></td><td>-89dB ↔ 0dB</td><td>-40dB</td></tr><tr><td>SP. SW</td><td></td><td>MIN ↔ MAX</td><td>0dB</td></tr><tr><td>DELAY</td><td></td><td>15 ↔ 30</td><td>20</td></tr><tr><td>INPUT</td><td>-6dB ↔ 0dB</td><td>-6dB ↔ 0dB</td><td>0</td></tr><tr><td>EFFECT</td><td></td><td>1 ↔ 5</td><td>3</td></tr><tr><td>L. R BALANCE</td><td>DOWN ↔ UP</td><td>Lmax ↔ Rmax</td><td>CENTER</td></tr><tr><td>TONE</td><td></td><td>MIN ↔ MAX</td><td>FLAT</td></tr></table> | key | LEVEL | TUNING | BAND | VOLUME |  | -89dB ↔ 0dB | -40dB | SP. SW |  | MIN ↔ MAX | 0dB | DELAY |  | 15 ↔ 30 | 20 | INPUT | -6dB ↔ 0dB | -6dB ↔ 0dB | 0 | EFFECT |  | 1 ↔ 5 | 3 | L. R BALANCE | DOWN ↔ UP | Lmax ↔ Rmax | CENTER | TONE |  | MIN ↔ MAX | FLAT |  |
| MODE \ Key   | LEVEL         |                                                                                                                                                                                                                                                   |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| BASS         | DOWN ↔ UP     |                                                                                                                                                                                                                                                   |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| TREBLE       |               |                                                                                                                                                                                                                                                   |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| LR BALANCE   |               |                                                                                                                                                                                                                                                   |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| SW ch        |               |                                                                                                                                                                                                                                                   |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| INPUT        | -6dB ↔ 0dB    |                                                                                                                                                                                                                                                   |                                                          |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| key          | LEVEL         | TUNING                                                                                                                                                                                                                                            | BAND                                                     |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| VOLUME       |               | -89dB ↔ 0dB                                                                                                                                                                                                                                       | -40dB                                                    |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| SP. SW       |               | MIN ↔ MAX                                                                                                                                                                                                                                         | 0dB                                                      |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| DELAY        |               | 15 ↔ 30                                                                                                                                                                                                                                           | 20                                                       |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| INPUT        | -6dB ↔ 0dB    | -6dB ↔ 0dB                                                                                                                                                                                                                                        | 0                                                        |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| EFFECT       |               | 1 ↔ 5                                                                                                                                                                                                                                             | 3                                                        |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| L. R BALANCE | DOWN ↔ UP     | Lmax ↔ Rmax                                                                                                                                                                                                                                       | CENTER                                                   |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |
| TONE         |               | MIN ↔ MAX                                                                                                                                                                                                                                         | FLAT                                                     |               |      |           |        |  |            |  |       |  |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |        |      |        |  |             |       |        |  |           |     |       |  |         |    |       |            |            |   |        |  |       |   |              |           |             |        |      |  |           |      |  |

# C-V100/V150/V300/V350

## ADJUSTMENT

| No.           | ITEM                                    | INPUT SETTING                                                               | OUTPUT SELECTOR                            | TUNER/AMP SETTING | ALIGNMENT POINTS | ALIGN FOR          | FIG. |
|---------------|-----------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------|-------------------|------------------|--------------------|------|
| SELECTOR : FM |                                         |                                                                             |                                            |                   |                  |                    |      |
| 1             | DISCRIMINATOR<br>L31↔L32<br>(E, T only) | (A)<br>98.0MHz<br>1kHz, ±40kHz dev<br>(E, T type)<br>60dBu (ANT INPUT)      | Connect a DC voltmeter between port of CN2 | AUTO<br>98.0MHz   | L31 (X05-)       | 0V                 | (a)  |
|               |                                         |                                                                             | (B)                                        |                   | L32 (X05-)       | Minimum distortion |      |
| 2             | DISTORTION (STEREO)                     | (C)<br>98.0MHz<br>1kHz, ±40kHz dev<br>pilot: ±6kHz dev<br>60dBu (ANT INPUT) | (B)                                        | AUTO<br>(98.0MHz) | IFT (W02-)       | Minimum distortion | (a)  |



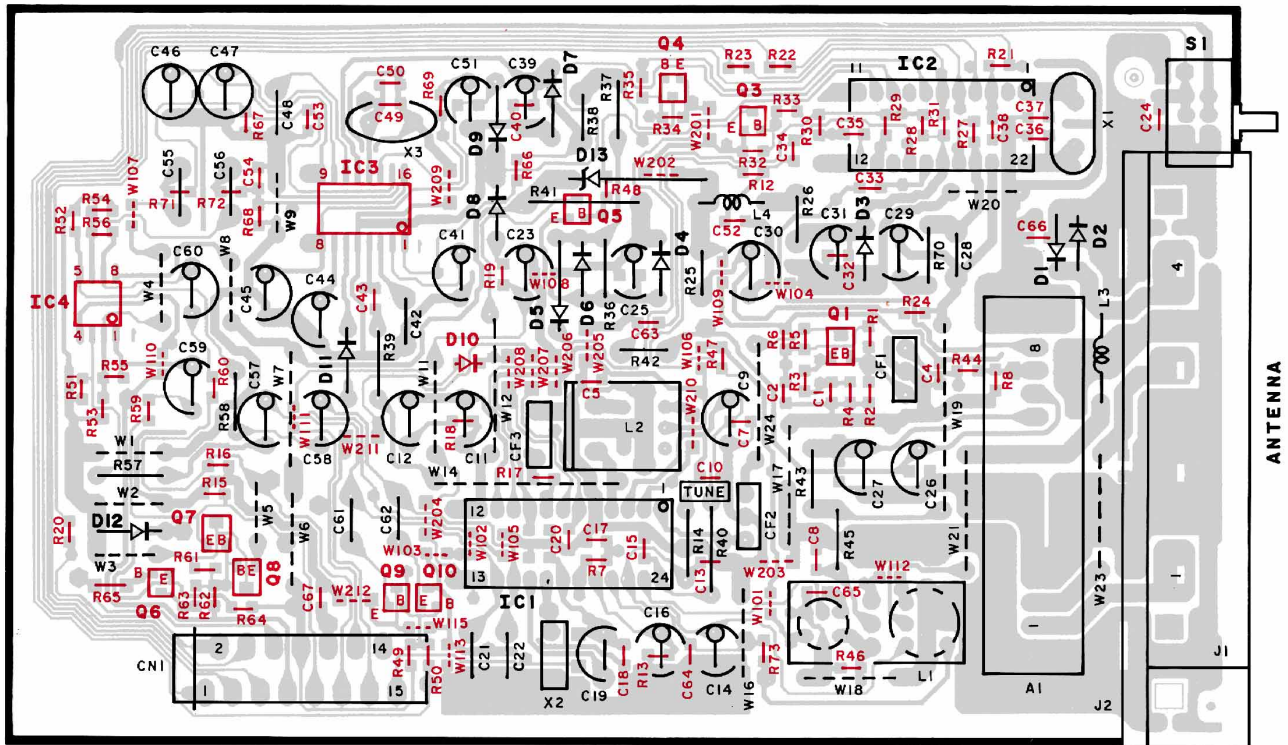
### ERROR MESSAGE

| DISPLAY | DESCRIPTION                       |
|---------|-----------------------------------|
| ERR 1   | Main u-com sub clock no output    |
| ERR 2   | Main u-com sub clock frequency NG |

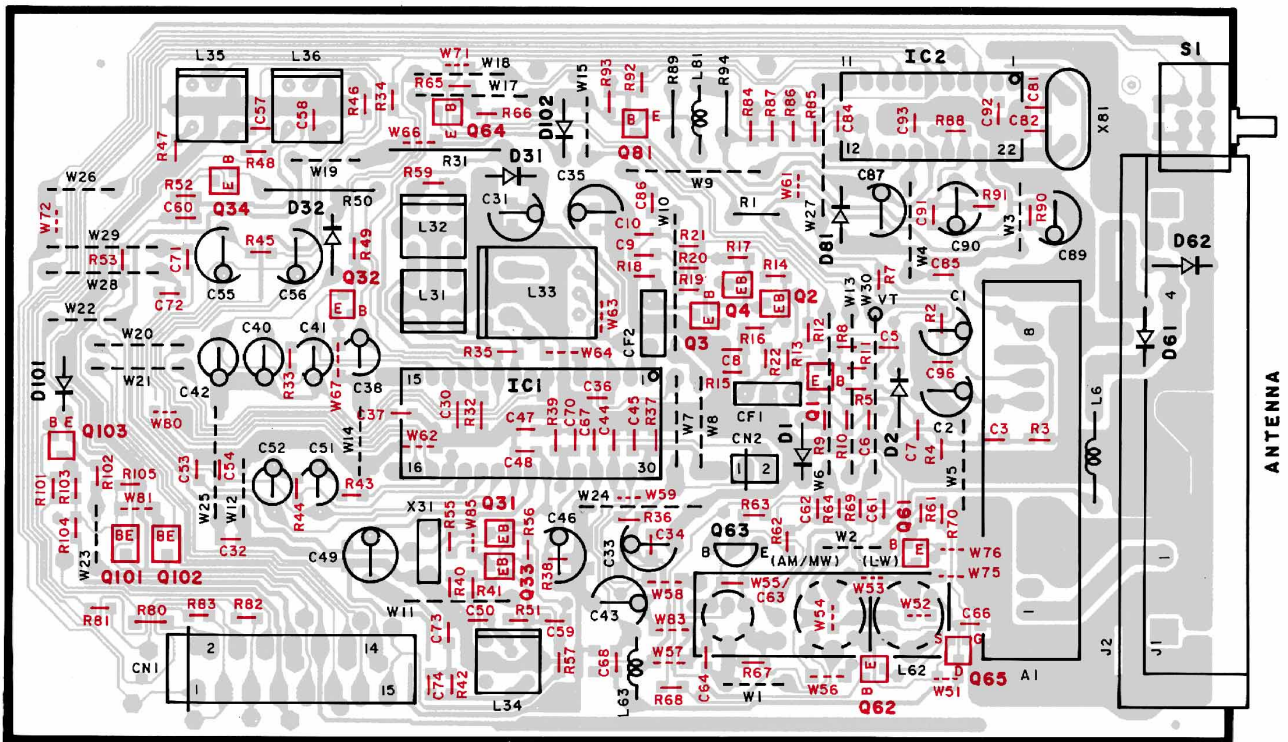


# PC BOARD (Component side view)

(X05-4670-20) J70-0959-11



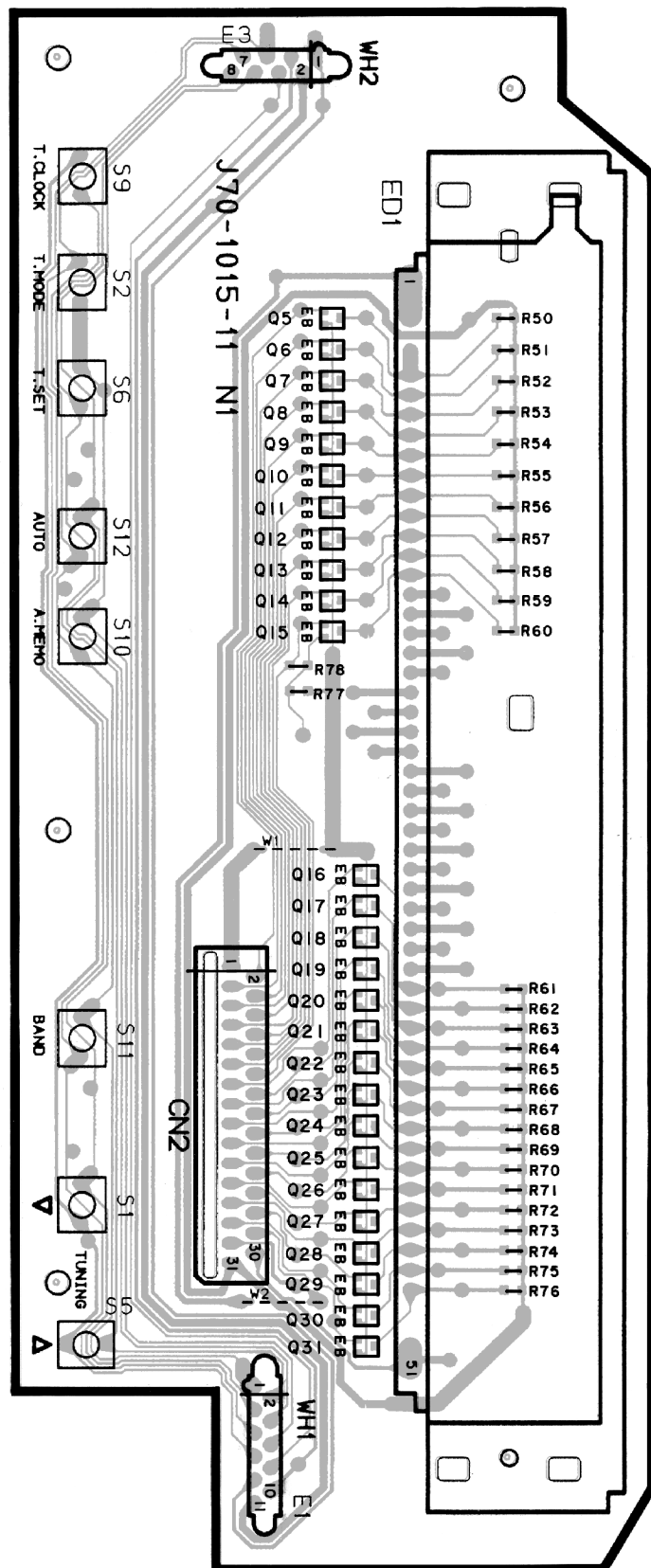
(X05-468X-XX) J70-0960-21



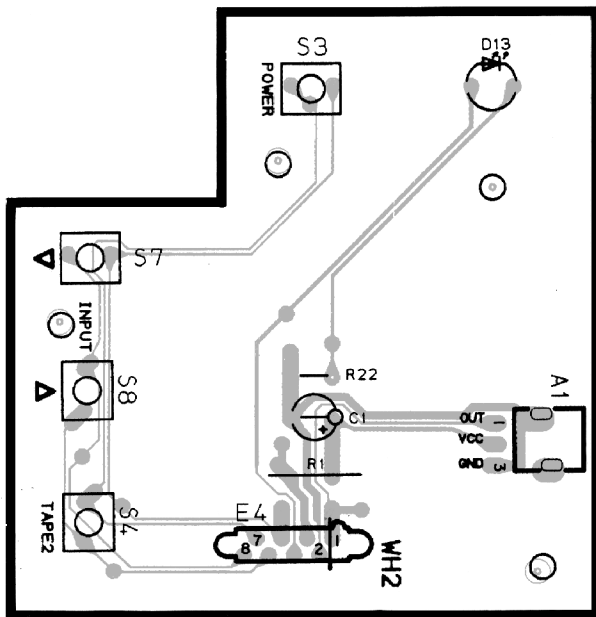
Refer to the schematic diagram for the value of resistors and capacitors.

# PC BOARD (Component side view)

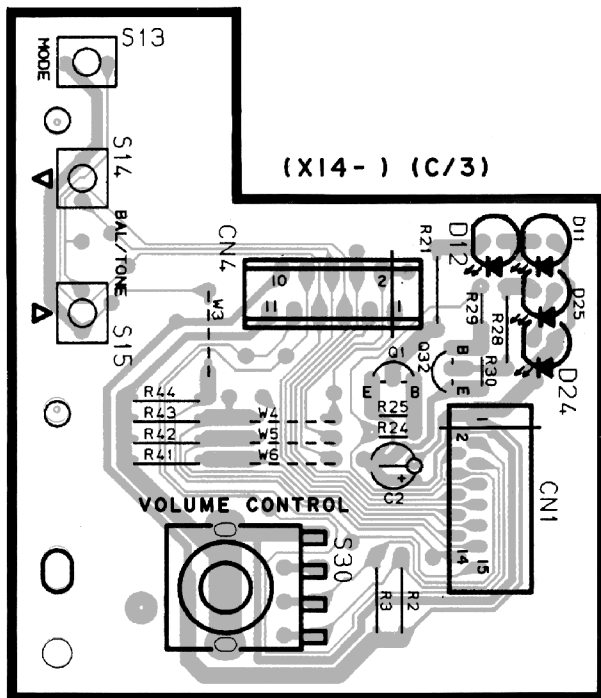
(X14-4360-10) (A/3)



(X14- ) (B/3)

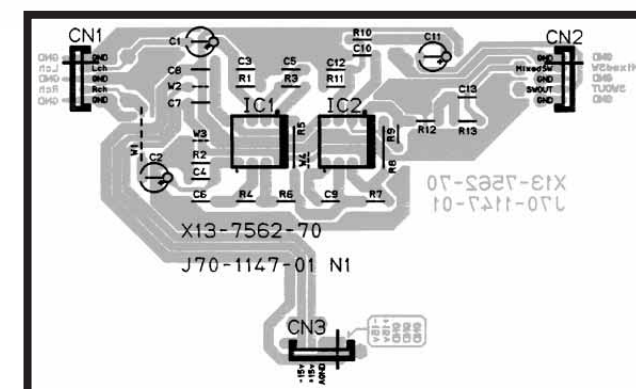
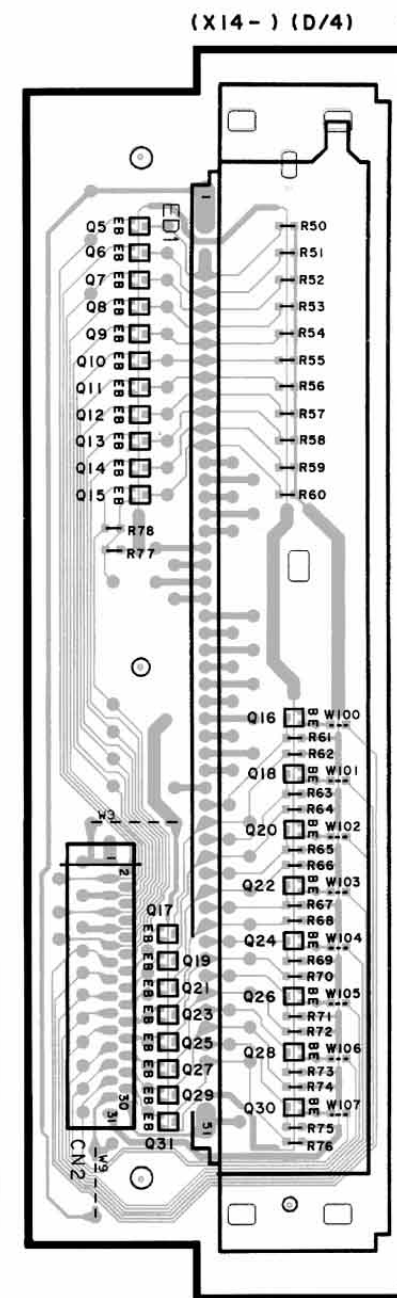
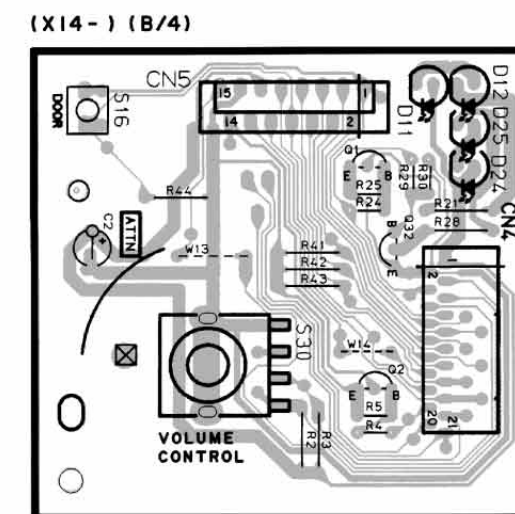
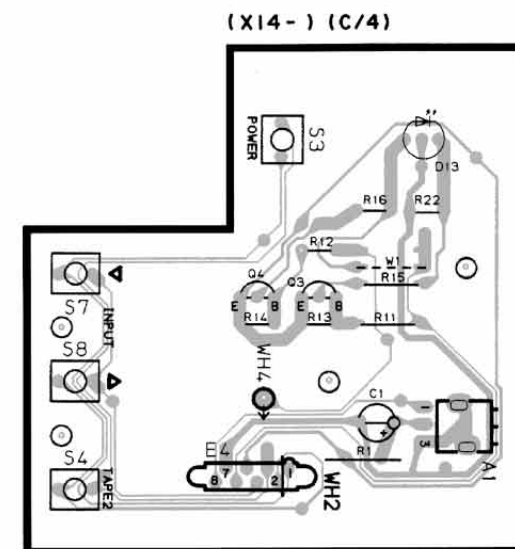
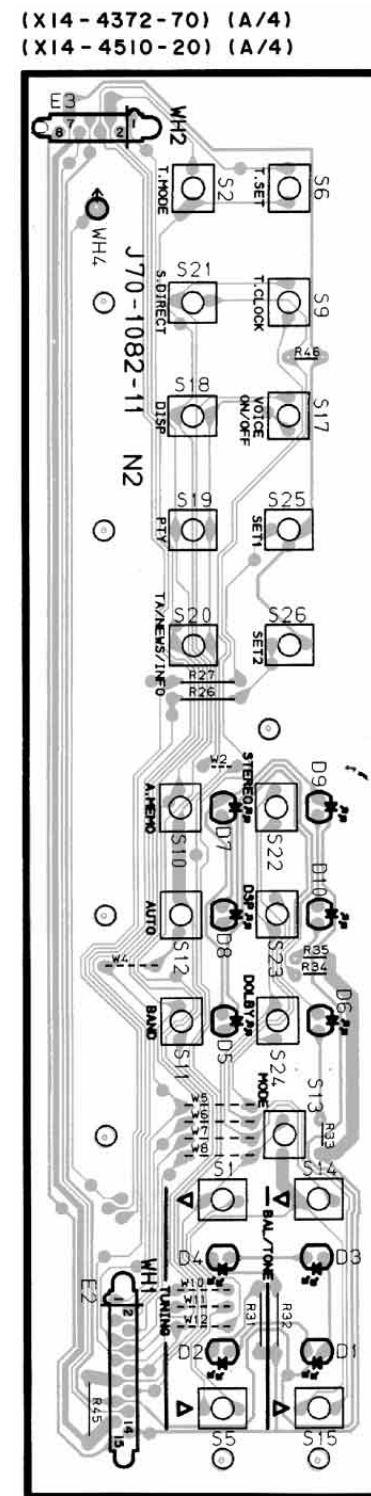
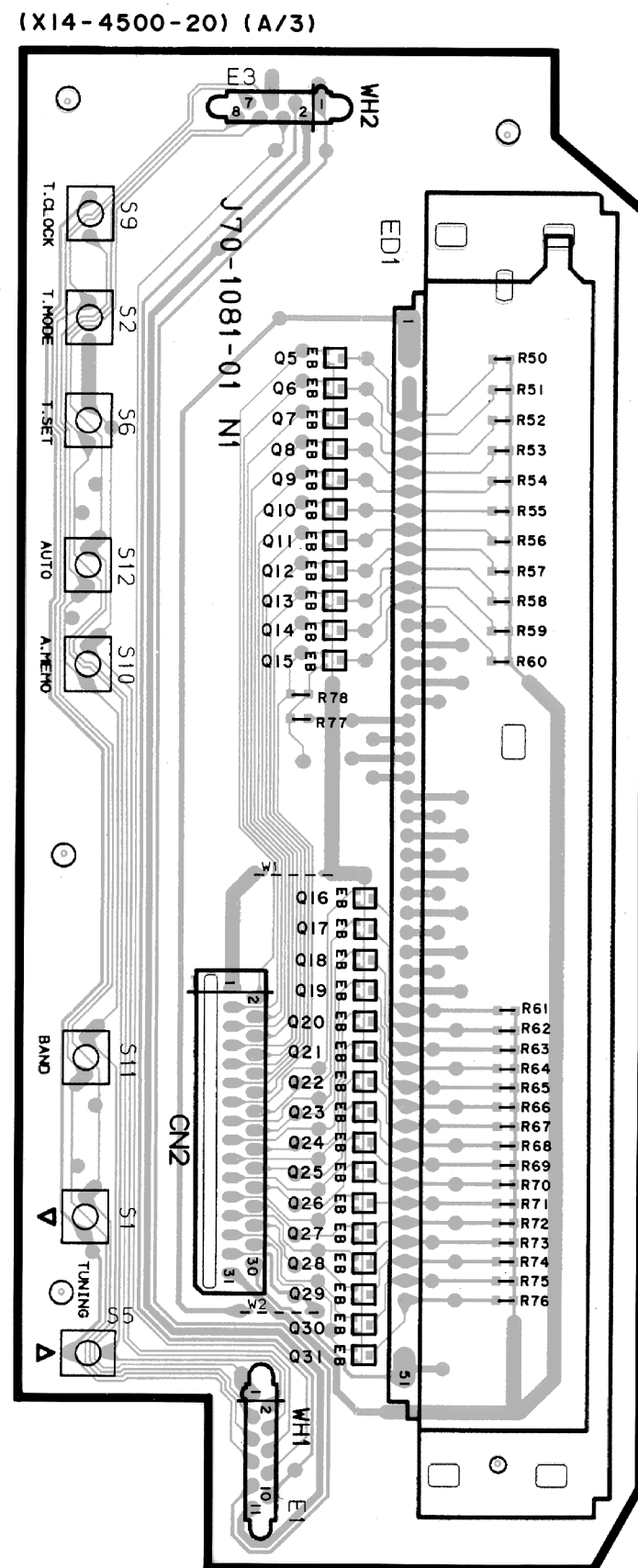
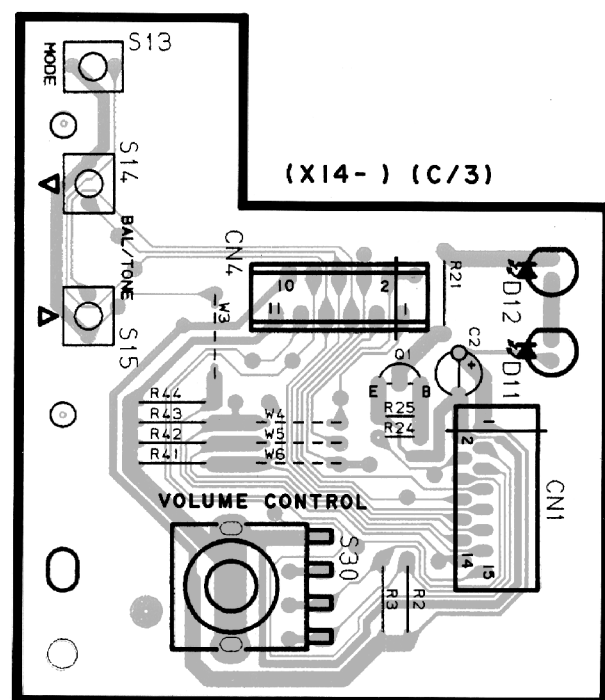
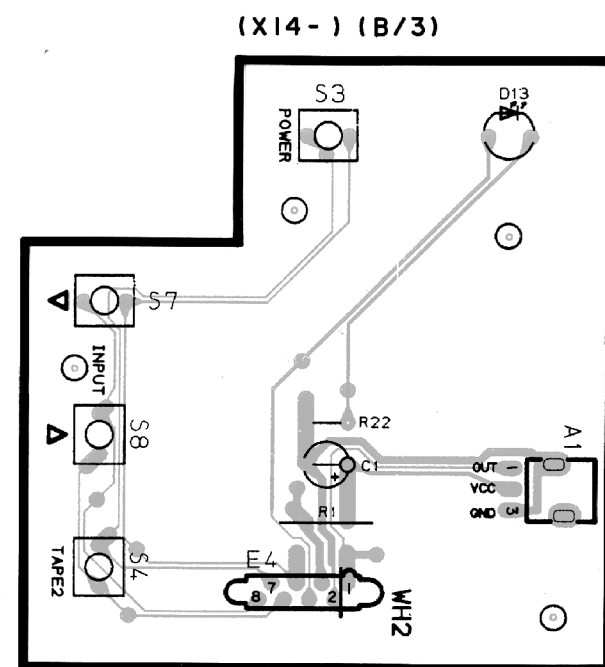


(X14- ) (C/3)



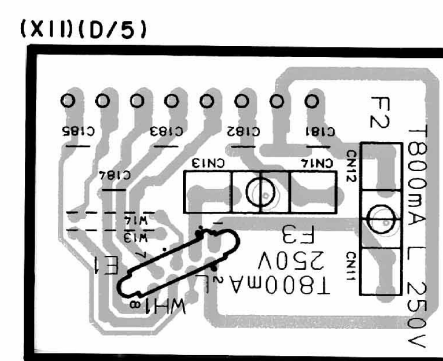


# PC BOARD(Component side view)



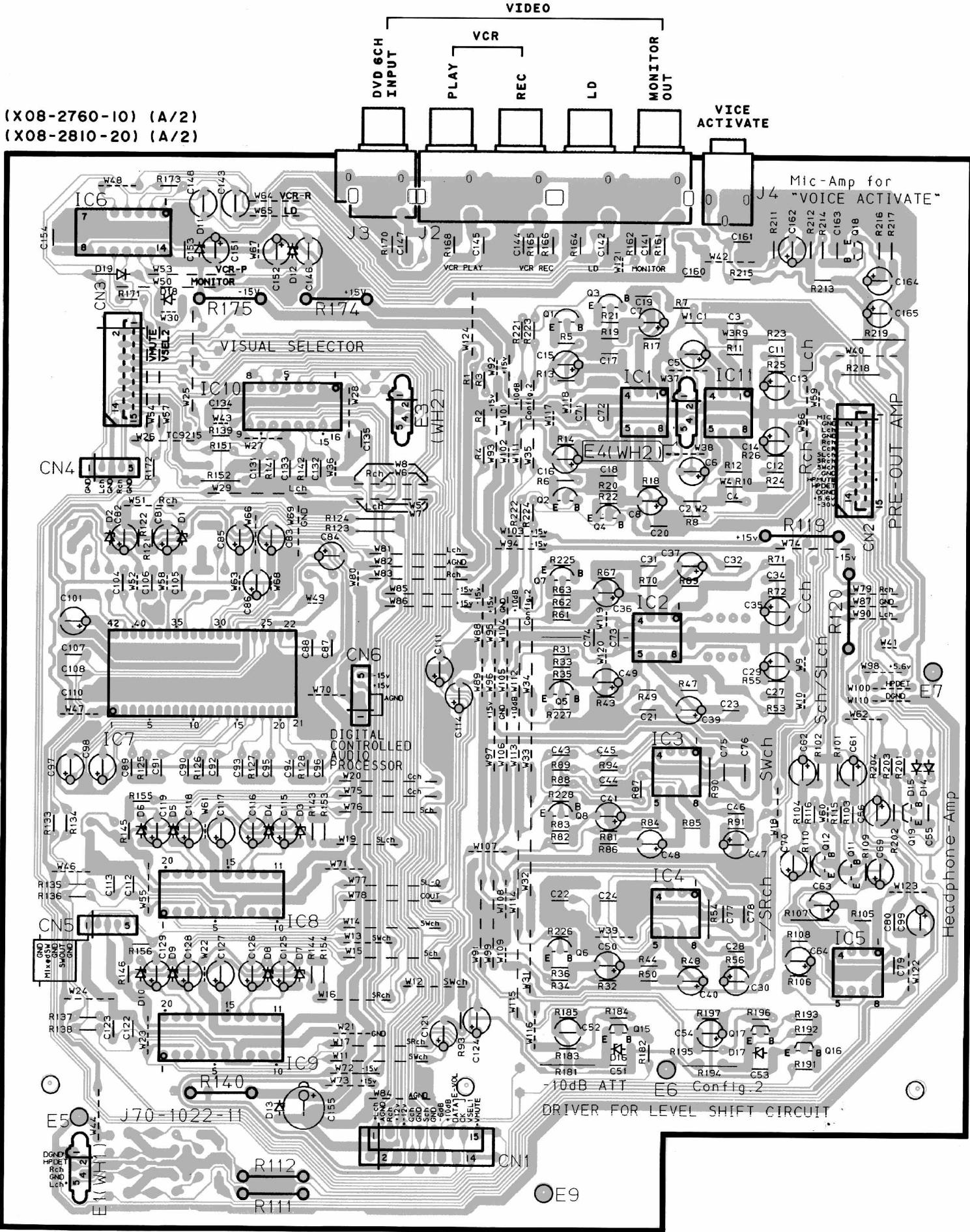


Refer to the schematic diagram for the value of resistors and capacitors.

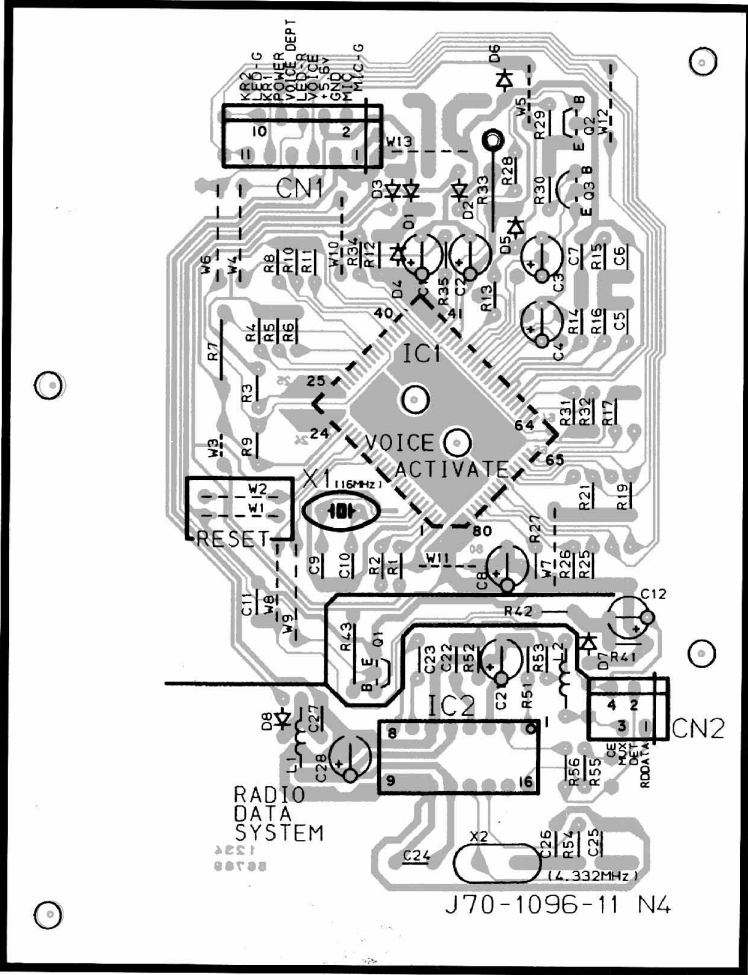




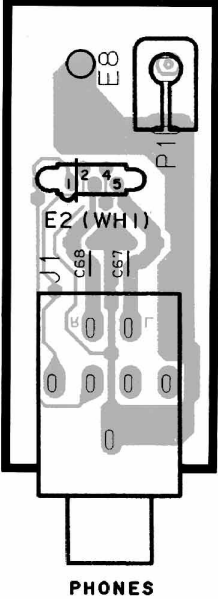
# PC BOARD(Component side view)



(X13-7522-70)



(X08- ) (B/2)



Refer to the schematic diagram for the value of resistors and capacitors.



(X05-4670-XX) : C-V100/C-V300 (Y,M,I,C,X) TYPE

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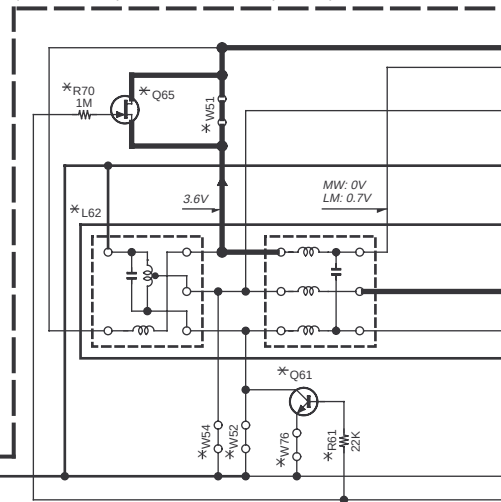




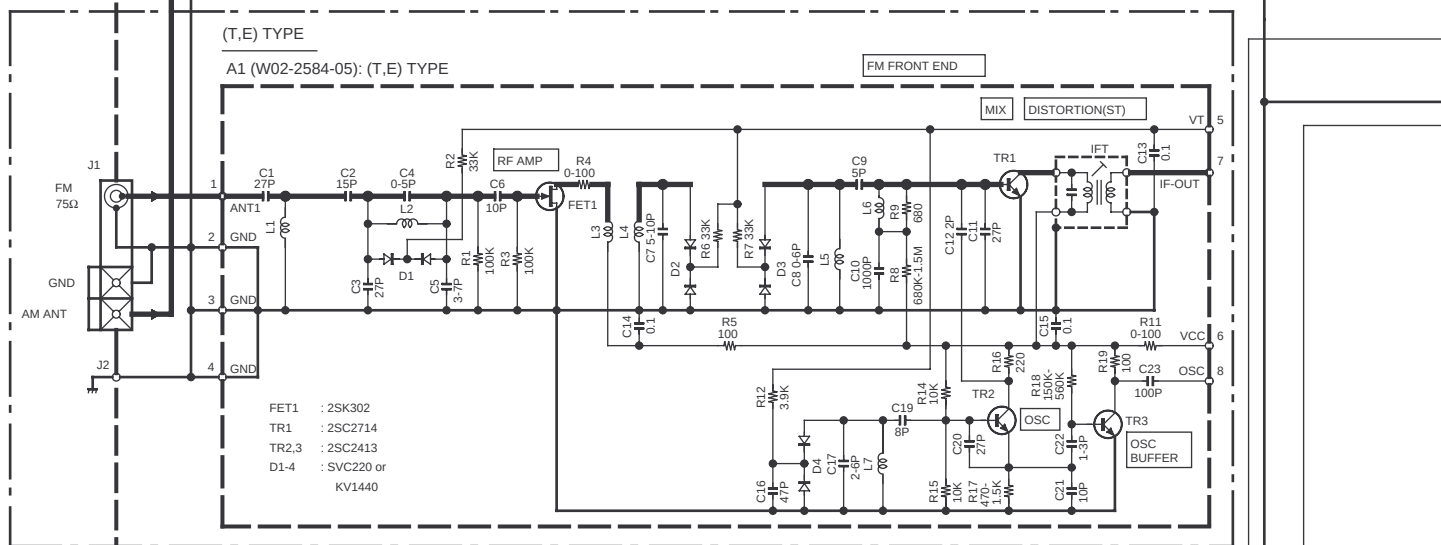
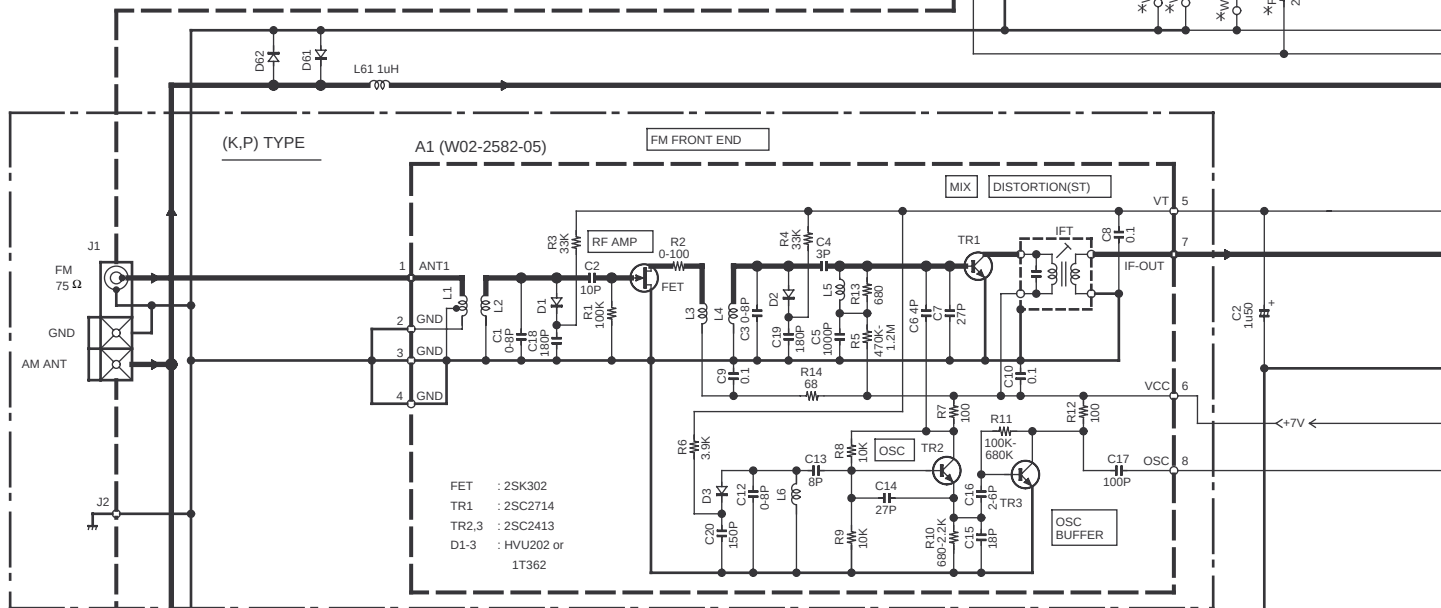
| C-V150/V350 (X05-468X-XX) |         |      |          |         |    |         |               |         |         |     |                |          |     |     |
|---------------------------|---------|------|----------|---------|----|---------|---------------|---------|---------|-----|----------------|----------|-----|-----|
| DESTINATION               | COUNTRY | ABB. | UNIT No. | (A - C) | R3 | R16, 20 | R61-66, 68,70 | C53, 54 | C62, 63 | C73 | Q61-65         | CF1,2    | L62 | W11 |
| EUROPE                    | E       | 2-71 | YES      | 1.8K    | 10 | NO      | 0.022         | NO      | NO      | NO  | L72-0536 (MS3) | L39-1351 | NO  | NO  |
| U.K.                      | T       | 0-51 | YES      | 1.8K    | 10 | YES     | 0.022         | YES     | NO      | YES | L72-0536 (MS3) | L39-1352 | YES | NO  |

| C-V100 (X05-4680-10) |         |      |          |         |    |         |               |         |         |     |                |          |     |     |
|----------------------|---------|------|----------|---------|----|---------|---------------|---------|---------|-----|----------------|----------|-----|-----|
| DESTINATION          | COUNTRY | ABB. | UNIT No. | (A - C) | R3 | R16, 20 | R61-66, 68,70 | C53, 54 | C62, 63 | C73 | Q61-65         | CF1,2    | L62 | W11 |
| U.S.A.               | K       | 0-10 | NO       | 560     | 15 | NO      | 0.033         | NO      | YES     | NO  | L72-0596 (MS2) | L39-1351 | YES | NO  |
| CANADA               | P       | 0-10 | NO       | 560     | 15 | NO      | 0.033         | NO      | YES     | NO  | L72-0596 (MS2) | L39-1351 | YES | YES |

(X05-468X-XX) C-V100/V150/V350 (K,P,T,E) TYPE



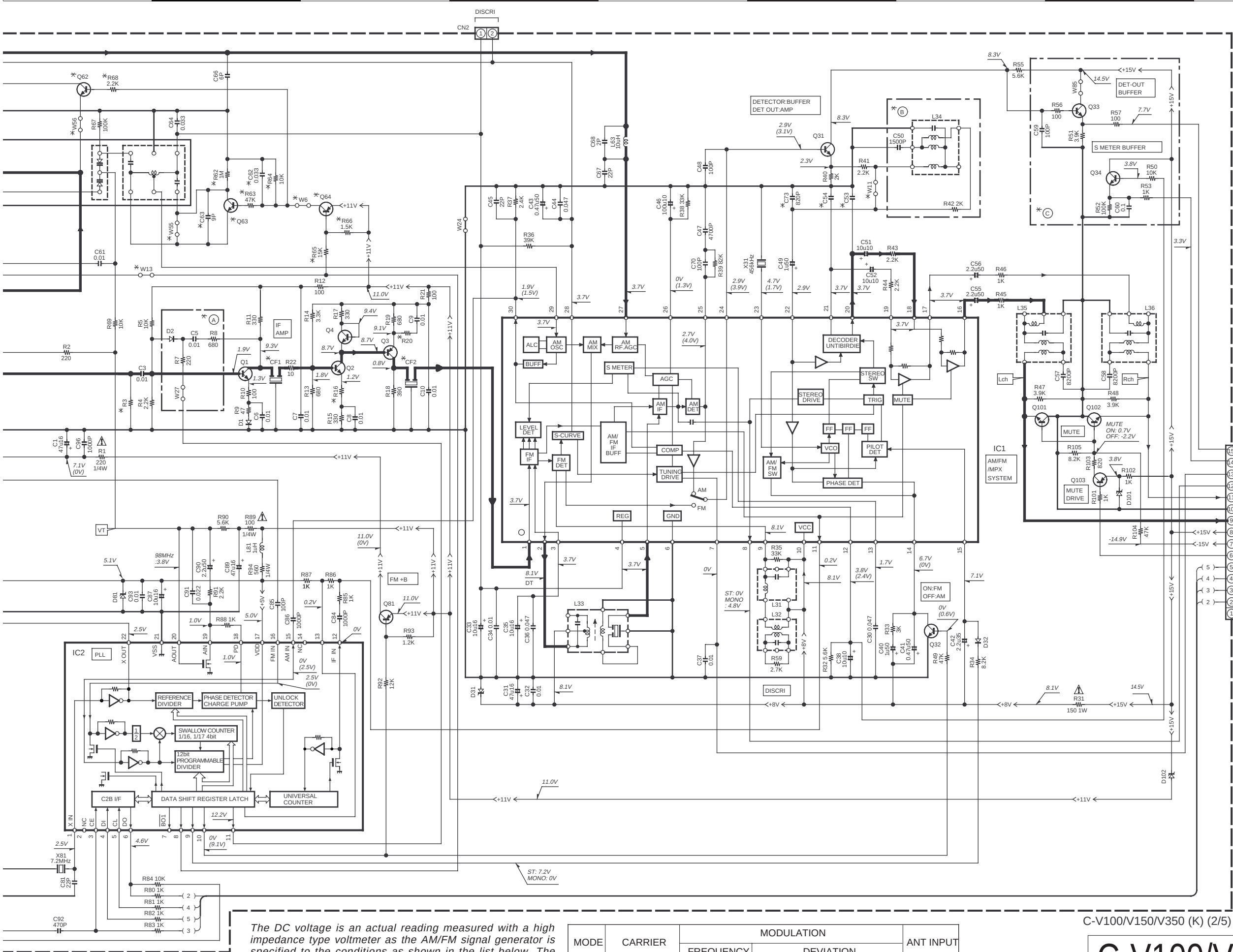
SIGNAL LINE  
GND LINE  
+B LINE  
-B LINE



|                    |                                  |               |                              |
|--------------------|----------------------------------|---------------|------------------------------|
| IC1                | : LA1836                         | D1,2,32,61,62 | : 1SS133 or HSS104           |
| IC2                | : LC72131                        | D31           | : RD8.2ES(B2) or HZS8.2N(B2) |
| Q1,2,4,31-34,61,62 | : 2SC4081(R,S) or 2SC4116(Y,GR)  | D81           | : RD5.1ES(B2) or HZS5.1(B2)  |
| Q3,64,81,103       | : 2SA1576A(R,S) or 2SA1586(Y,GR) | D101          | : RD3.3ES(B2) or HZS3.3N(B2) |
| Q63                | : 2SC2878(B)                     | D102          | : RD2.7ES(B2) or HZS2.7N(B2) |
| Q65                | : 2SK302(Y,GR)                   |               |                              |
| Q101,102           | : 2SD1757K                       |               |                              |

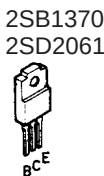
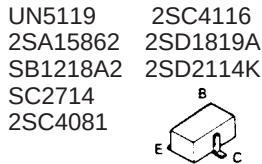
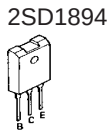
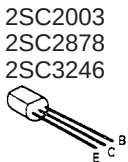
| BAND | FREQ. | VT   |
|------|-------|------|
| FM   | LF    | 1.6V |
|      | HF    | 7.8V |
| AM   | LF    | 1.3V |
|      | HF    | 5.0V |

LF: LOWEST FREQUENCY  
HF: HIGHEST FREQUENCY



**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 no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



C-V100/V150/V350 (K) (2/5)

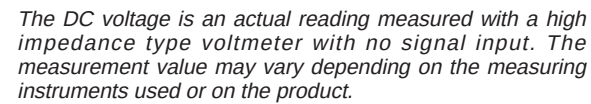
The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading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

| 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      |

Y05-3370-10

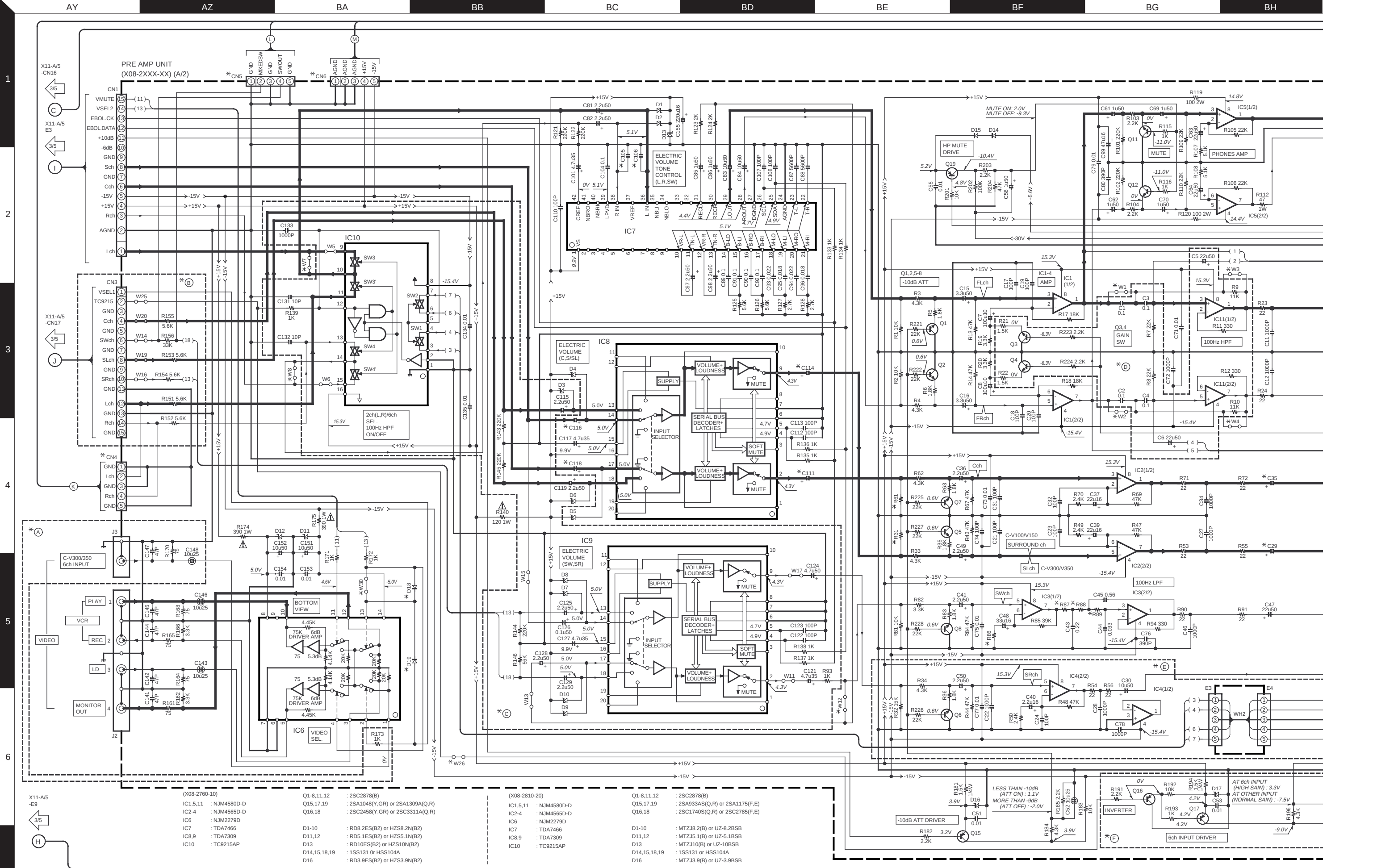
C-V100/V150/V300/V350

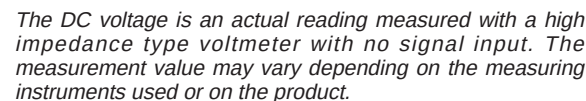
KENWOOD

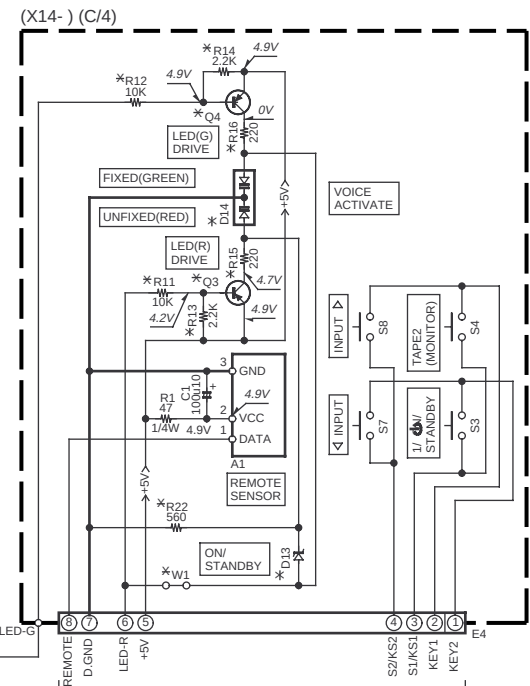
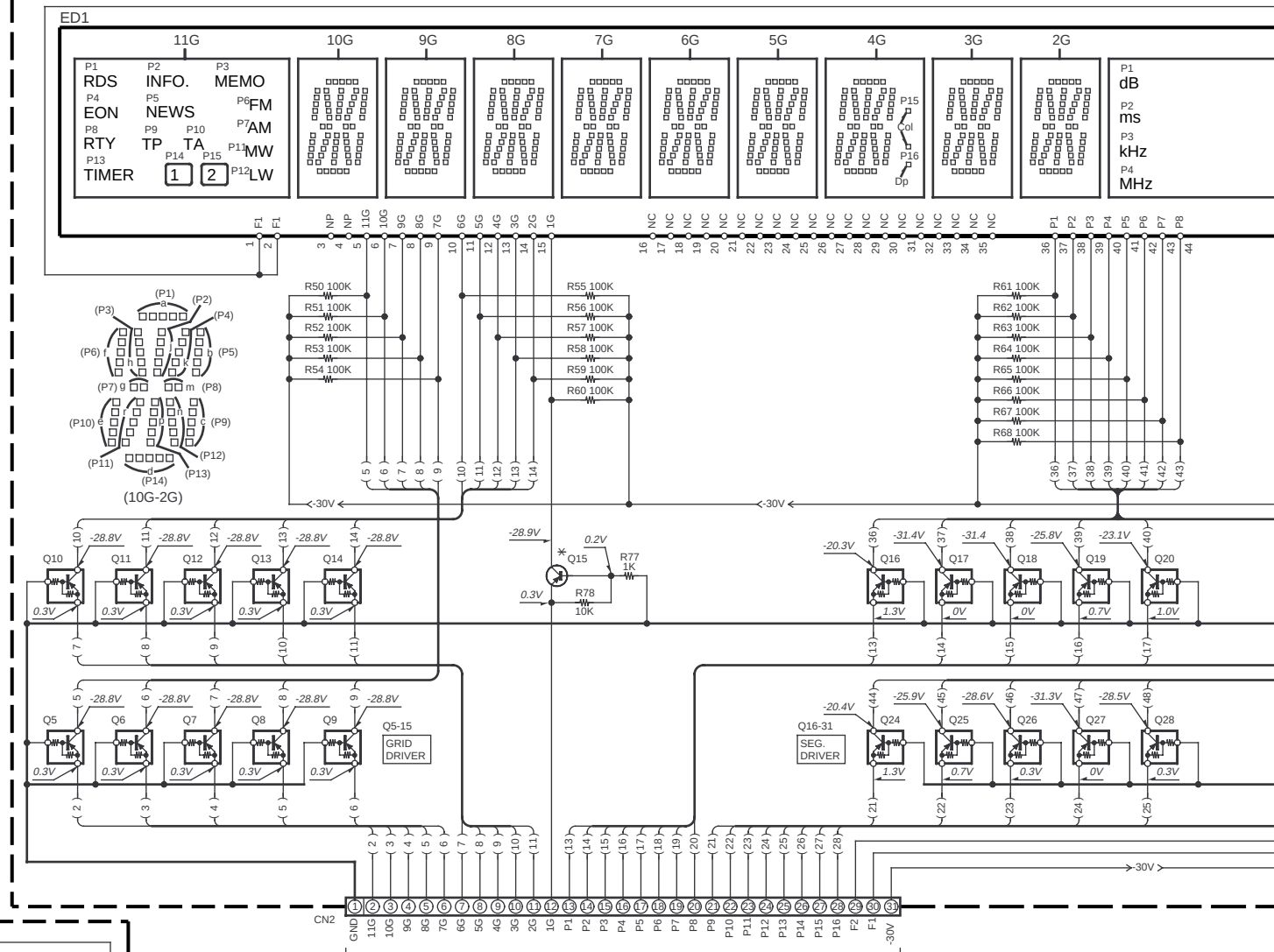






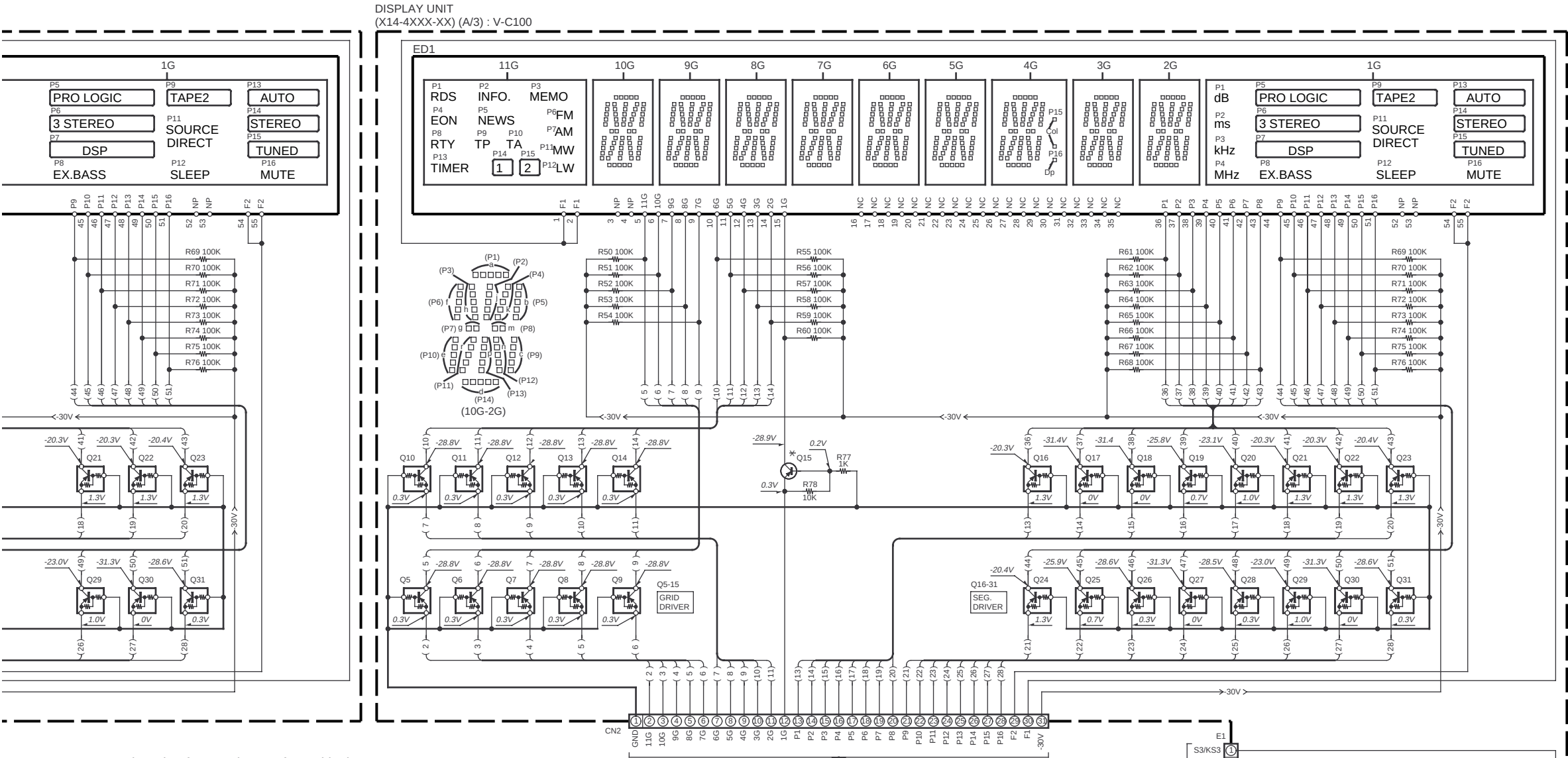






|                        |  |  |             |                  |     |     |     |     |     |     |       |       |     |
|------------------------|--|--|-------------|------------------|-----|-----|-----|-----|-----|-----|-------|-------|-----|
| C-V300                 |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| DESTINATION<br>COUNTRY |  |  | UNIT No.    | R11-16,<br>26,27 | R22 | D13 | D14 | E6  | W1  | W2  | WH3,4 | CN1,6 | CN4 |
| ABE                    |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| GENERAL MARKET         |  |  | X14-4510-20 | NO               | YES | YES | NO  | NO  | YES | NO  | NO    | YES   |     |
| MALAYSIA               |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| CHINA                  |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| AUSTRALIA              |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| X                      |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| C-V150/V350            |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| DESTINATION<br>COUNTRY |  |  | UNIT No.    | R11-16,<br>26,27 | R22 | D13 | D14 | E6  | W1  | W2  | WH3,4 | CN1,6 | CN4 |
| ABE                    |  |  |             |                  |     |     |     |     |     |     |       |       |     |
| EUROPE                 |  |  | X14-4372-70 | YES              | NO  | NO  | YES | YES | NO  | YES | YES   | NO    |     |
| U.K.                   |  |  |             |                  |     |     |     |     |     |     |       |       |     |

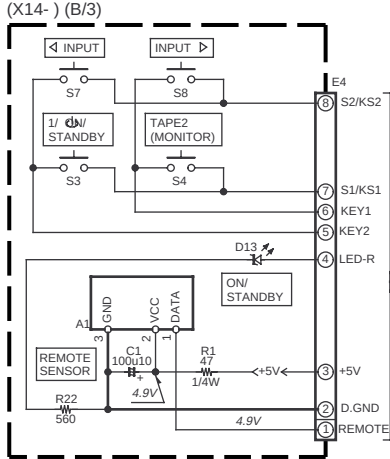
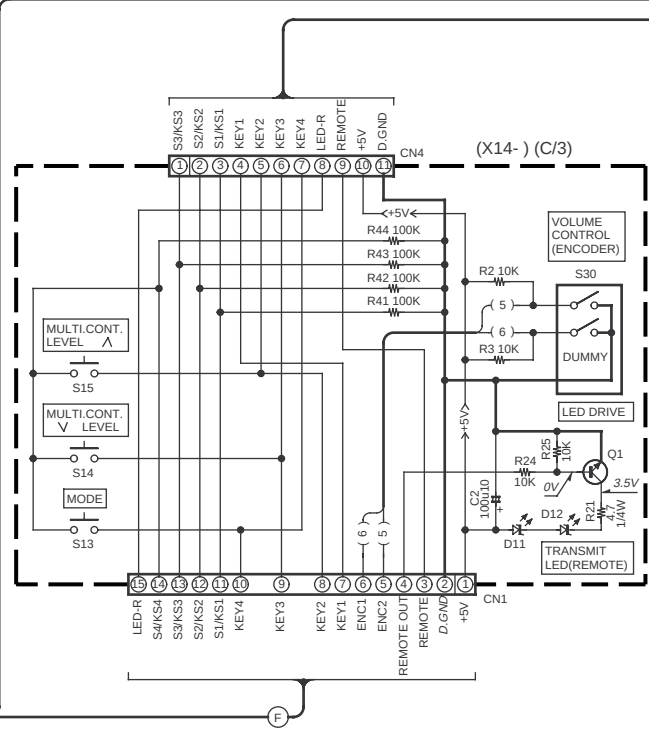




**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric 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 no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

|                |      |                                |
|----------------|------|--------------------------------|
| S17-20, 25, 26 | Q3,4 | Q15                            |
| NO             | NO   | 2SB1218A(Q,R) or 2SA1576A(R,S) |
| S17-20, 25, 26 | Q3,4 | Q15                            |
| YES            | YES  | 2SA1576A(R,S) or 2SA1586(Y,GR) |



| DESTINATION    | UNIT No. | Q15 |
|----------------|----------|-----|
| COUNTRY        | ABB      |     |
| U.S.A.         | K        |     |
| CANADA         | P        |     |
| FX             |          |     |
| GENERAL MARKET | M        |     |
| MALAYSIA       | I        |     |
| CHINA          | C        |     |
| AUSTRALIA      | X        |     |

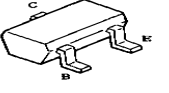
C-V100/V150/V300/V350(M) (5/5)

|               |                       |
|---------------|-----------------------|
| (X14-4XXX-XX) | : 2SC3246             |
| Q1            | : UN5119 or DTA113ZUA |
| Q5-14, 16-31  | : *                   |
| Q15           | : *                   |
| D11, 12       | : B30-2519-05         |
| D13           | : B30-2493-05         |
| ED1           | : 20U64100SA          |
| A1            | : W02-2598-05         |

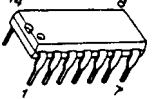
2SB1375



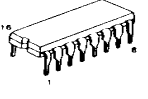
2SD1757K



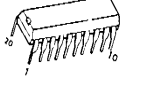
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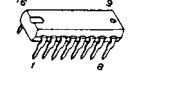
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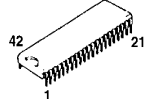
TDA7309



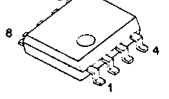
SAA6579



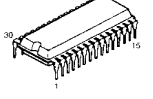
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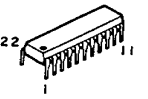
NJM4565M



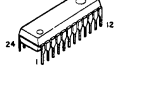
LA1836



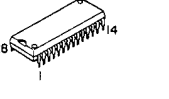
LC72131



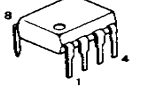
LA1832  
LV1016



NJU7311AL  
NJU7312AL



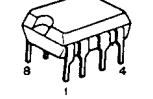
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NJM4565D-D



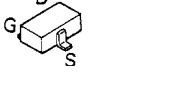
TA8409S



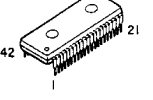
NJM4580D-D



2SK302



LA2786



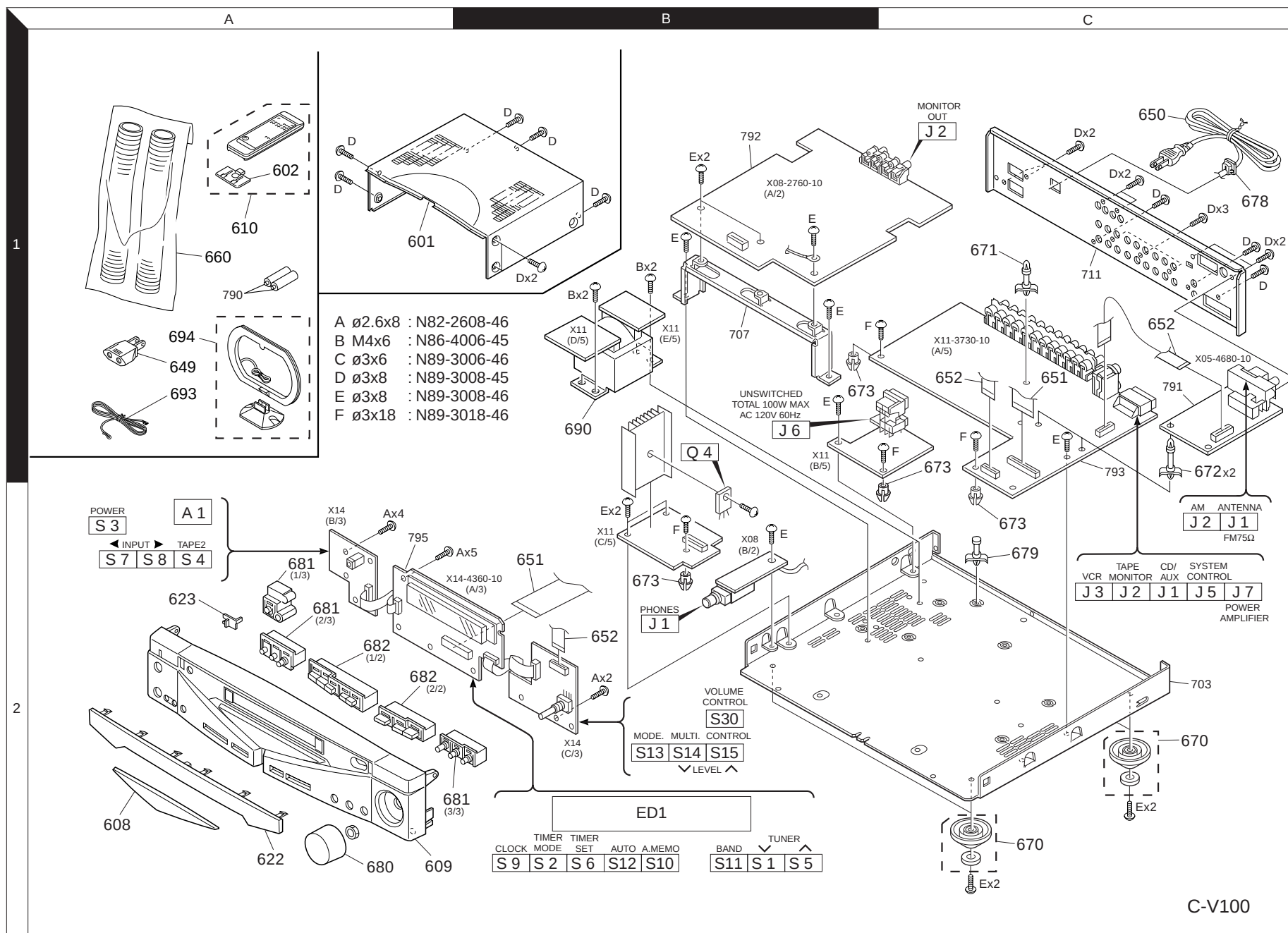
C-V100/V150/V300/V350

KENWOOD

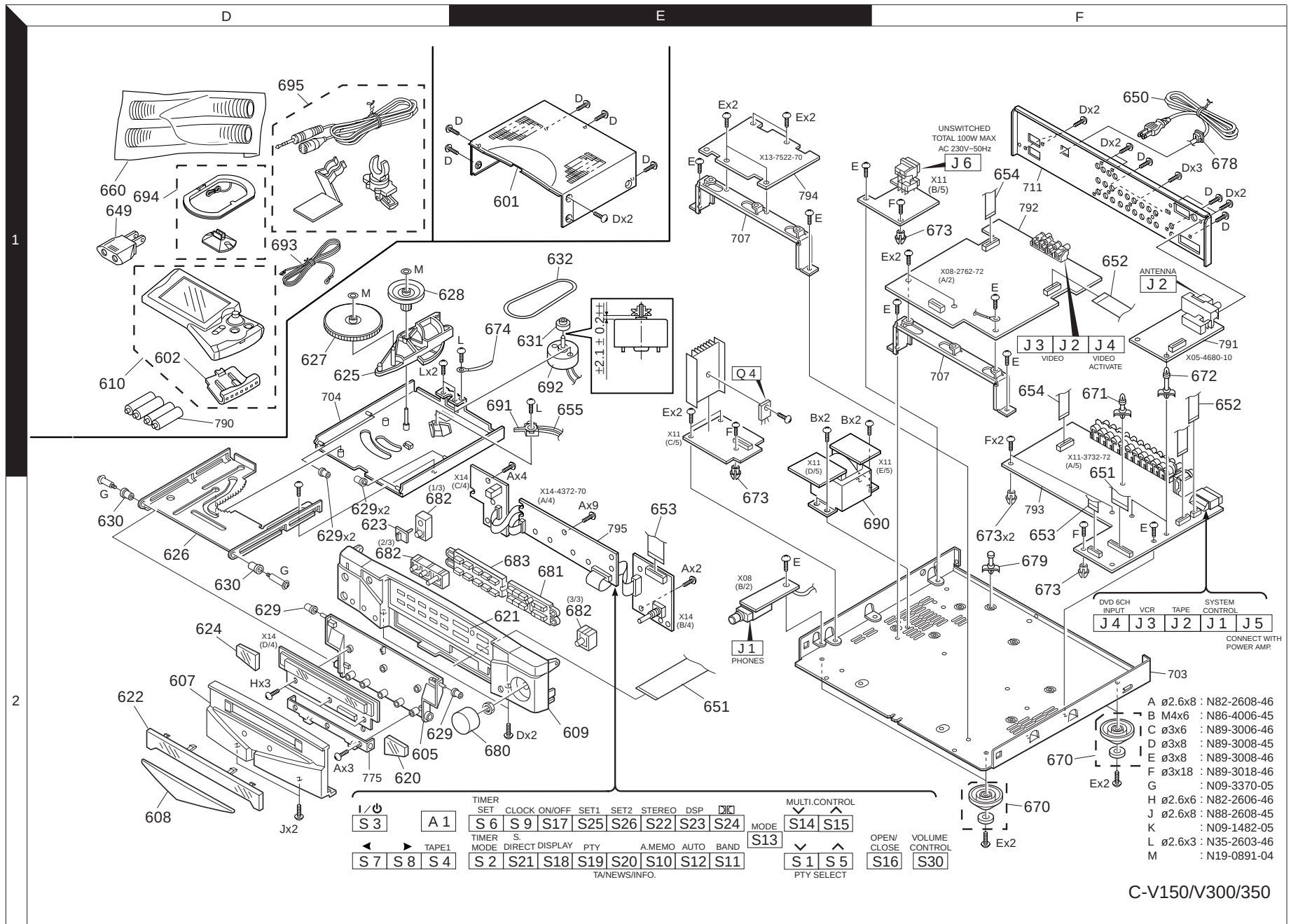


# C-V100/V150/V300/V350

## EXPLODED VIEW(UNIT)



## EXPLODED VIEW(UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

C-V100/V150/V300/V350

PARTS LIST

\* 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 |
|---------|----------|-----------|-------------|-------------------------------|--------------|----------|
| C-V100  |          |           |             |                               |              |          |
| 601     | 1A       | *         | A01-3432-01 | METALLIC CABINET              |              |          |
| 602     | 1A       | *         | A09-0378-08 | BATTERY COVER                 | YMICX        |          |
| 602     | 1A       | *         | A09-0379-08 | BATTERY COVER                 | KP           |          |
| 608     | 2A       | *         | A21-1952-03 | DRESSING PANEL                | KPY          |          |
| 609     | 2A       | *         | A60-1142-01 | PANEL                         |              |          |
| 609     | 2A       | *         | A60-1168-01 | PANEL                         | MICX         |          |
| 610     | 1A       | *         | A70-1150-05 | REMOTE CONTROL ASSY(RC-S503)  | YMICX        |          |
| 610     | 1A       | *         | A70-1159-05 | REMOTE CONTROL ASSY(RGC-100)  | KP           |          |
| 622     | 2A       | *         | B10-2347-02 | FRONT GLASS                   | KPY          |          |
| 622     | 2A       | *         | B10-2385-02 | FRONT GLASS                   | MICX         |          |
| 623     | 2A       | *         | B12-0311-04 | INDICATOR                     |              |          |
| -       |          |           | B46-0096-53 | WARRANTY CARD                 | X            |          |
| -       |          |           | B46-0326-03 | WARRANTY CARD                 | C            |          |
| -       |          |           | B46-0328-03 | WARRANTY CARD                 | KY           |          |
| -       |          |           | B46-0336-03 | WARRANTY CARD                 | P            |          |
| -       |          |           | B58-0513-04 | CAUTION CARD (PRESET220-240)  | Y            |          |
| -       |          |           | B58-0964-13 | CAUTION CARD (UL)             | KY           |          |
| -       |          |           | B58-0965-13 | CAUTION CARD                  | X            |          |
| -       |          |           | B58-0966-13 | CAUTION CARD                  | MI           |          |
| -       |          |           | B58-0967-03 | CAUTION CARD (PL)             | P            |          |
| -       |          |           | B58-1546-03 | CAUTION CARD                  | C            |          |
| -       |          |           | B59-1104-00 | SERVICE DIRECTORY             | Y            |          |
| -       |          | *         | B59-1121-03 | SUB-INSTRUCTION MANUAL        |              |          |
| -       |          | *         | B59-1122-03 | SUB-INSTRUCTION MANUAL        | P            |          |
| -       |          | *         | B59-1123-03 | SUB-INSTRUCTION MANUAL        | C            |          |
| -       |          | *         | B59-1129-03 | SUB-INSTRUCTION MANUAL        | MI           |          |
| -       |          | *         | B59-1130-03 | SUB-INSTRUCTION MANUAL        | M            |          |
| -       |          | *         | B59-1131-03 | SUB-INSTRUCTION MANUAL        |              |          |
| -       |          | *         | B60-3198-00 | INSTRUCTION MANUAL(ENG)       | P            |          |
| -       |          | *         | B60-3199-00 | INSTRUCTION MANUAL(FRN)       | M            |          |
| -       |          | *         | B60-3200-00 | INSTRUCTION MANUAL(SPN)       | MI           |          |
| -       |          | *         | B60-3201-00 | INSTRUCTION MANUAL(TWN)       | C            |          |
| -       |          | *         | B60-3202-00 | INSTRUCTION MANUAL(CHN)       |              |          |
| Δ 649   | 1A       |           | E03-0115-05 | AC PLUG ADAPTER               | MI           |          |
| Δ 650   | 1C       |           | E30-2592-15 | AC POWER CORD                 | MI           |          |
| Δ 650   | 1C       |           | E30-2717-05 | AC POWER CORD                 | X            |          |
| Δ 650   | 1C       |           | E30-2787-05 | AC POWER CORD                 | KP           |          |
| Δ 650   | 1C       |           | E30-2789-05 | AC POWER CORD                 | Y            |          |
| Δ 650   | 1C       |           | E30-2830-05 | AC POWER CORD                 | C            |          |
| 651     | 2B       | *         | E35-1772-05 | FLAT CABLE (31P)              |              |          |
| 652     | 1C       | *         | E35-1774-05 | FLAT CABLE (15P)              |              |          |
| 660     | 1A       | *         | F07-1602-04 | COVER                         |              |          |
| -       |          | *         | H10-7286-02 | POLYSTYRENE FOAMED FIXTURE    | KPY          |          |
| -       |          | *         | H10-7287-02 | POLYSTYRENE FOAMED FIXTURE    | JPY          |          |
| -       |          | *         | H10-7371-02 | POLYSTYRENE FOAMED FIXTURE    | MICX         |          |
| -       |          | *         | H10-7372-02 | POLYSTYRENE FOAMED FIXTURE    | MICX         |          |
| -       |          | *         | H13-0281-04 | CARTON BOARD                  | X            |          |
| -       |          |           | H25-0232-04 | PROTECTION BAG (235X350X0.03) |              |          |
| -       |          |           | H25-1516-04 | PROTECTION BAG                |              |          |
| -       |          | *         | H30-0100-04 | ADHESIVE DOUBLE-COATED TAPE   | KPY          |          |
| -       |          | *         | H30-0602-04 | ADHESIVE DOUBLE-COATED TAPE   | MICX         |          |
| -       |          | *         | H50-2334-04 | ITEM CARTON CASE              | KPY          |          |

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|------------------|----------|-----------|-------------|------------------------------|--------------|----------|
| -                |          | *         | H50-2483-04 | ITEM CARTON CASE             | MI           |          |
| -                |          | *         | H50-2484-04 | ITEM CARTON CASE             | C            |          |
| -                |          | *         | H50-2519-04 | ITEM CARTON CASE             | X            |          |
| 670              | 2C       | *         | J02-1188-03 | FOOT                         | KPY          |          |
| 670              | 2C       | *         | J02-1189-03 | FOOT                         | MICX         |          |
| 671              | 1C       | *         | J19-3331-05 | UNIT HOLDER                  |              |          |
| 672              | 1C       | *         | J19-3642-05 | UNIT HOLDER                  |              |          |
| 673              | 2B,1C    | *         | J19-3732-04 | UNIT HOLDER                  | KPY          |          |
| Δ 673            | 2B,1C    | *         | J19-3751-04 | UNIT HOLDER                  | MICX         |          |
| 678              | 1C       | *         | J42-0083-05 | POWER CORD BUSHING           |              |          |
| 679              | 2C       | *         | J19-2598-05 | UNIT HOLDER                  |              |          |
| -                |          | *         | J61-0098-05 | WIRE BAND                    | KPY          |          |
| -                |          | *         | J61-0307-05 | WIRE BAND                    | MICX         |          |
| 680              | 2A       | *         | K29-6660-04 | KNOB                         |              |          |
| 681              | 2A       | *         | K29-6661-02 | KNOB                         | KPY          |          |
| 681              | 2A       | *         | K29-6779-02 | KNOB                         | MICX         |          |
| 682              | 2A       | *         | K29-6662-02 | KNOB                         | KPY          |          |
| 682              | 2A       | *         | K29-6780-02 | KNOB                         | MICX         |          |
| Δ 690            | 1B       | *         | L07-2327-05 | POWER TRANSFORMER            | KP           |          |
| Δ 690            | 1B       | *         | L07-2328-05 | POWER TRANSFORMER            | Y            |          |
| Δ 690            | 1B       | *         | L07-2331-05 | POWER TRANSFORMER            | CX           |          |
| Δ 690            | 1B       | *         | L07-2332-05 | POWER TRANSFORMER            | MI           |          |
| 693              | 1A       |           | T90-0809-05 | LEAD WIRE ANTENNA            | MICX         |          |
| 693              | 1A       |           | T90-0810-05 | LEAD WIRE ANTENNA            | KPY          |          |
| 694              | 1A       |           | T90-0820-05 | LOOP ANTENNA                 |              |          |
| C-V150/V300/V350 |          |           |             |                              |              |          |
| 601              | 1B       |           | A01-3432-01 | METALLIC CABINET             |              |          |
| 602              | 1A       |           | A09-0378-08 | BATTERY COVER (V150)         | ET           |          |
| 602              | 1A       |           | A09-0379-08 | BATTERY COVER (V300/350)     | ETMICX       |          |
| 605              | 2A       |           | A46-0303-01 | REAR COVER                   |              |          |
| 607              | 2A       |           | A29-0861-01 | PANEL                        | ET           |          |
| 607              | 2A       |           | A29-0881-01 | PANEL                        | MICX         |          |
| 608              | 2A       | *         | A21-1953-03 | DRESSING PANEL (V150)        | ET           |          |
| 608              | 2A       | *         | A21-1954-03 | DRESSING PANEL               | MICX         |          |
| 608              | 2A       | *         | A21-1955-03 | DRESSING PANEL (V350)        | ET           |          |
| 609              | 2B       | *         | A60-1144-01 | PANEL                        | ET           |          |
| 609              | 2B       | *         | A60-1145-01 | PANEL                        | MICX         |          |
| 610              | 1A       | *         | A70-1136-05 | REMOTE CONTROLLER ASSY(V150) | ET           |          |
| 610              | 1A       | *         | A70-1137-05 | REMOTE CONTROLLER ASSY(V350) | ET           |          |
| 610              | 1A       | *         | A70-1159-05 | REMOTE CONTROLLER ASSY(V300) | MICX         |          |
| 620              | 2A       | *         | B10-2384-04 | FRONT GLASS                  | MICX         |          |
| 621              | 2B       | *         | B03-3802-13 | DRESSING PLATE               | MICX         |          |
| 621              | 2B       | *         | B03-3803-03 | DRESSING PLATE               | ET           |          |
| 622              | 2A       | *         | B10-2349-02 | FRONT GLASS                  | ET           |          |
| 622              | 2A       | *         | B10-2382-02 | FRONT GLASS                  | MICX         |          |
| 623              | 2A       |           | B12-0311-04 | INDICATOR                    |              |          |
| 624              | 2A       | *         | B10-2350-04 | FRONT GLASS                  | ET           |          |
| 624              | 2A       | *         | B10-2383-04 | FRONT GLASS                  | MICX         |          |
| 625              |          | *         | B10-2351-04 | FRONT GLASS                  | ET           |          |
| -                |          |           | B46-0096-53 | WARRANTY CARD                | X            |          |
| -                |          |           | B46-0310-03 | WARRANTY CARD                | ET           |          |
| -                |          |           | B46-0326-03 | WARRANTY CARD                | C            |          |
| -                |          |           | B58-0945-03 | CAUTION CARD                 | T            |          |
| -                |          |           | B58-0965-13 | CAUTION CARD (PL)            | T            |          |

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|---------|--------------|--------------|-------------|-------------------------------|------------------|--------------|
| -       |              |              | B58-0966-13 | CAUTION CARD (PL)             | E                |              |
| -       |              |              | B58-1546-03 | CAUTION CARD                  | C                |              |
| -       |              |              | B59-1121-03 | SUB-INSTRUCTION MANUAL        |                  |              |
| -       |              |              | B59-1122-03 | SUB-INSTRUCTION MANUAL(ENG)   | MICX             |              |
| -       |              |              | B59-1124-03 | SUB-INSTRUCTION MANUAL(FRN)   | E                |              |
| -       |              |              | B59-1125-03 | SUB-INSTRUCTION MANUAL(GRN)   | E                |              |
| -       |              |              | B59-1126-03 | SUB-INSTRUCTION MANUAL(NTH)   | E                |              |
| -       |              |              | B59-1127-03 | SUB-INSTRUCTION MANUAL(ITL)   | E                |              |
| -       |              |              | B59-1128-03 | SUB-INSTRUCTION MANUAL (V150) | E                |              |
| -       |              |              | B59-1129-03 | SUB-INSTRUCTION MANUAL(CHN)   | C                |              |
| -       |              |              | B59-1130-03 | SUB-INSTRUCTION MANUAL(TLN)   | MI               |              |
| -       |              |              | B59-1131-03 | SUB-INSTRUCTION MANUAL(SPN)   | T                |              |
| -       |              |              | B59-1133-03 | SUB-INSTRUCTION MANUAL(ENG)   |                  |              |
| -       |              | *            | B60-3198-00 | INSTRUCTION MANUAL(ENG)       |                  |              |
| -       |              | *            | B60-3200-00 | INSTRUCTION MANUAL(SPN)       | M                |              |
| -       |              | *            | B60-3201-00 | INSTRUCTION MANUAL(TWN)       | MI               |              |
| -       |              | *            | B60-3202-00 | INSTRUCTION MANUAL(CHN)       | C                |              |
| -       |              | *            | B60-3203-00 | INSTRUCTION MANUAL(ENG)       | T                |              |
| -       |              | *            | B60-3204-00 | INSTRUCTION MANUAL(FRN)       | E                |              |
| -       |              | *            | B60-3205-00 | INSTRUCTION MANUAL(NTH)       | E                |              |
| -       |              | *            | B60-3206-00 | INSTRUCTION MANUAL(ITL)       | E                |              |
| -       |              | *            | B60-3207-00 | INSTRUCTION MANUAL(V150)(SPN) | E                |              |
| -       |              | *            | B60-3208-00 | INSTRUCTION MANUAL(GRN)       | E                |              |
| 625     | 1A           |              | D10-3715-04 | ARM ASSY                      |                  |              |
| 626     | 2A           |              | D10-3716-01 | SLIDER                        |                  |              |
| 627     | 1A           |              | D13-1807-04 | GEAR                          |                  |              |
| 628     | 1A           |              | D13-1808-03 | GEAR                          |                  |              |
| 629     | 2A           |              | D14-0385-04 | ROLLER                        |                  |              |
| 630     | 2A           |              | D14-0386-04 | ROLLER                        |                  |              |
| 631     | 1B           |              | D15-0407-04 | MOTOR PULLEY                  |                  |              |
| 632     | 1B           |              | D16-0715-03 | BELT                          |                  |              |
| Δ 649   | 1A           |              | E03-0115-05 | AC PLUG ADAPTER               | MI               |              |
| Δ 650   | 1C           |              | E30-2592-15 | AC POWER CORD                 | MI               |              |
| Δ 650   | 1C           |              | E30-2717-05 | AC POWER CORD                 | X                |              |
| Δ 650   | 1C           |              | E30-2788-05 | AC POWER CORD                 | E                |              |
| Δ 650   | 1C           |              | E30-2791-05 | AC POWER CORD                 | T                |              |
| Δ 650   | 1C           |              | E30-2830-05 | AC POWER CORD                 | C                |              |
| 651     | 2B           | *            | E35-1773-05 | FLAT CABLE                    |                  |              |
| 652     | 1C           |              | E35-1774-05 | FLAT CABLE (15P)              |                  |              |
| 653     | 2B,2C        | *            | E35-1775-05 | FLAT CABLE                    | MICX             |              |
| 653     | 2B,2C        | *            | E35-1861-05 | FLAT CABLE                    | ET               |              |
| 654     | 1C           | *            | E35-1781-05 | FLAT CABLE                    |                  |              |
| 655     | 1B           | *            | E35-1810-05 | WIRING HARNESS                |                  |              |
| 660     | 1A           |              | F07-1602-04 | COVER                         |                  |              |
| -       |              |              | G11-0153-04 | SOFT TAPE (80X12X3)           |                  |              |
| -       |              |              | H10-7286-02 | POLYSTYRENE FOAMED FIXTURE    | E                |              |
| -       |              |              | H10-7287-02 | POLYSTYRENE FOAMED FIXTURE    | E                |              |
| -       |              |              | H10-7288-02 | POLYSTYRENE FOAMED FIXTURE    | T                |              |
| -       |              |              | H10-7289-02 | POLYSTYRENE FOAMED FIXTURE    | T                |              |
| -       |              | *            | H10-7371-02 | POLYSTYRENE FOAMED FIXTURE    | MICX             |              |
| -       |              | *            | H10-7372-02 | POLYSTYRENE FOAMED FIXTURE    | MICX             |              |
| -       |              | *            | H13-0281-04 | CARTON BOARD                  | X                |              |

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|---------------------------|--------------|--------------|---------------|-------------------------------|------------------|--------------|
| -                         |              |              | H20-0568-04   | PROTECTION COVER              | MIC              |              |
| -                         |              |              | H25-0232-04   | PROTECTION BAG (235X350X0.03) | E                |              |
| -                         |              |              | H25-0651-04   | PROTECTION BAG (0232)         | T                |              |
| -                         |              |              | H25-1516-04   | PROTECTION BAG                |                  |              |
| -                         |              |              | H30-0100-04   | ADHESIVE DOUBLE-COATED TAPE   | ET               |              |
| -                         |              | *            | H30-0602-04   | ADHESIVE DOUBLE-COATED TAPE   | MICX             |              |
| -                         |              | *            | H50-2386-04   | ITEM CARTON CASE(V350)        | E                |              |
| -                         |              | *            | H50-2387-04   | ITEM CARTON CASE(V350)        | T                |              |
| -                         |              | *            | H50-2439-04   | ITEM CARTON CASE(V150)        |                  |              |
| -                         |              | *            | H50-2482-04   | ITEM CARTON CASE(V150)        | E                |              |
| -                         |              | *            | H50-2486-04   | ITEM CARTON CASE              | MI               |              |
| -                         |              | *            | H50-2487-04   | ITEM CARTON CASE              | C                |              |
| -                         |              | *            | H50-2520-04   | ITEM CARTON CASE              | X                |              |
| 670                       | 2C           |              | J02-1188-03   | FOOT                          | ET               |              |
| 670                       | 2C           | *            | J02-1189-03   | FOOT                          | MICX             |              |
| 671                       | 1C           |              | J19-3331-05   | UNIT HOLDER                   |                  |              |
| 672                       | 1C           |              | J19-3642-05   | UNIT HOLDER                   |                  |              |
| 673                       | 2B,1C        |              | J19-3732-04   | UNIT HOLDER                   | ET               |              |
| 673                       | 2B,1C        |              | J19-3751-04   | UNIT HOLDER                   | MICX             |              |
| 674                       | 1B           |              | J19-5833-05   | LEAD HOLDER                   |                  |              |
| 678                       | 1C           |              | J42-0083-05   | POWER CORD BUSHING            |                  |              |
| 679                       | 2C           |              | J19-2598-05   | UNIT HOLDER                   |                  |              |
| -                         |              |              | J61-0098-05   | WIRE BAND                     | ET               |              |
| -                         |              |              | J61-0307-05   | WIRE BAND                     | MICX             |              |
| 680                       | 2B           |              | K29-6660-04   | KNOB                          |                  |              |
| 681                       | 2B           |              | K29-6664-02   | KNOB                          |                  |              |
| 681                       | 2B           | *            | K29-6775-02   | KNOB                          | ET               |              |
| 682                       | 2A,2B        |              | K29-6665-02   | KNOB                          | MICX             |              |
| 682                       | 2A,2B        | *            | K29-6776-02   | KNOB                          |                  |              |
| 683                       | 2B           |              | K29-6666-02   | KNOB                          | ET               |              |
| 683                       | 2B           | *            | K29-6668-02   | KNOB                          | MICX             |              |
| Δ 690                     | 2C           | *            | L07-2329-05   | POWER TRANSFORMER             | MI               |              |
| Δ 690                     | 2C           | *            | L07-2330-05   | POWER TRANSFORMER             | ET               |              |
| Δ 690                     | 2C           | *            | L07-2333-05   | POWER TRANSFORMER             | CX               |              |
| 691                       | 1B           |              | S64-0026-05   | LEVER SWITCH                  |                  |              |
| 692                       | 1B           |              | T42-0882-05   | DC MOTOR                      |                  |              |
| 693                       | 1A           |              | T90-0809-05   | LEAD WIRE ANTENNA             | MICX             |              |
| 693                       | 1A           |              | T90-0810-05   | LEAD WIRE ANTENNA             | ET               |              |
| 694                       | 1A           |              | T90-0820-05   | LOOP ANTENNA                  |                  |              |
| 695                       | 1A           |              | W01-0935-05   | MICROPHONE                    | ET               |              |
| <b>TUNER(X05-4670-20)</b> |              |              |               |                               |                  |              |
| C1                        | .2           |              | CK73FB1H103K  | CHIP C                        | 0.010UF          | K            |
| C5                        |              |              | CK73FB1H102K  | CHIP C                        | 1000PF           | K            |
| C8                        |              |              | CK73FB1H103K  | CHIP C                        | 0.010UF          | K            |
| C9                        |              |              | CE04LW1C100M  | ELECTRO                       | 10UF             | 16WV         |
| C10                       |              |              | CK73FB1H473K  | CHIP C                        | 0.047UF          | K            |
| C11                       |              |              | CE04LW1H010M  | ELECTRO                       | 1.0UF            | 50WV         |
| C12                       |              |              | CE04LW1H2R2M  | ELECTRO                       | 2.2UF            | 50WV         |
| C13                       |              |              | CK73FB1H102K  | CHIP C                        | 1000PF           | K            |
| C14                       |              |              | CE04LW1H010M  | ELECTRO                       | 1.0UF            | 50WV         |
| C15                       |              |              | CC73FCH1H220J | CHIP C                        | 22PF             | J            |

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C-V100/V150/V300/V350

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|---------|----------|-----------|---------------|---------------------------|--------------|----------|
| C16     |          |           | CE04LW1C100M  | ELECTRO 10UF 16WV         |              |          |
| C17     |          |           | CK73FB1H562K  | CHIP C 5600PF K           |              |          |
| C18     |          |           | CK73FB1H102K  | CHIP C 1000PF K           |              |          |
| C19     |          |           | CE04HW1E4R7M  | NP-ELEC 4.7UF 25WV        |              |          |
| C20     |          |           | CK73FB1E104K  | CHIP C 0.10UF K           |              |          |
| C21 ,22 |          |           | CQ93FMG1H113J | MYLAR 0.011UF J           |              |          |
| C23     |          |           | CE04LW1H010M  | ELECTRO 1.0UF 50WV        | YMIC         |          |
| C24     |          |           | CK73FB1H103K  | CHIP C 0.010UF K          |              |          |
| C25     |          |           | CE04LW1C100M  | ELECTRO 10UF 16WV         |              |          |
| C26     |          |           | CE04LW1C470M  | ELECTRO 47UF 16WV         |              |          |
| C27     |          |           | CE04LW1H010M  | ELECTRO 1.0UF 50WV        |              |          |
| C28     |          |           | CQ93FMG1H223J | MYLAR 0.022UF J           |              |          |
| C29     |          |           | CE04LW1H2R2M  | ELECTRO 2.2UF 50WV        |              |          |
| C30     |          |           | CE04LW1C101M  | ELECTRO 100UF 16WV        |              |          |
| C31     |          |           | CE04LW1A470M  | ELECTRO 47UF 10WV         |              |          |
| C32     |          |           | CK73FB1H103K  | CHIP C 0.010UF K          |              |          |
| C33     |          |           | CC73FSL1H101J | CHIP C 100PF J            |              |          |
| C34 ,35 |          |           | CK73FB1H102K  | CHIP C 1000PF K           |              |          |
| C36     |          |           | CC73FCH1H270J | CHIP C 27PF J             |              |          |
| C37     |          |           | CC73FCH1H220J | CHIP C 22PF J             |              |          |
| C38     |          |           | CK73FB1H471K  | CHIP C 470PF K            |              |          |
| C57 ,58 |          |           | CE04LW1H010M  | ELECTRO 1.0UF 50WV        |              |          |
| C59 ,60 |          |           | CE04LW1C100M  | ELECTRO 10UF 16WV         | YMIC         |          |
| C61 ,62 |          |           | CQ93FMG1H472J | MYLAR 4700PF J            |              |          |
| C63     |          |           | CC73FCH1H220J | CHIP C 22PF J             |              |          |
| C64     |          |           | CC73FCH1H330J | CHIP C 33PF J             |              |          |
| C65     |          |           | CC73FCH1H040C | CHIP C 4.0PF C            |              |          |
| C67     |          |           | CK73FB1H102K  | CHIP C 1000PF K           |              |          |
| CN1     |          |           | E40-4609-05   | PIN ASSY                  |              |          |
| J1      |          |           | E70-0052-05   | LOCK TERMINAL BOARD       |              |          |
| CF1 ,2  |          |           | L72-0531-05   | CERAMIC FILTER            |              |          |
| CF3     |          |           | L72-0593-05   | CERAMIC FILTER            |              |          |
| L1      |          |           | L39-1348-05   | COMBINATION COIL          |              |          |
| L2      |          |           | L30-0911-05   | AM IFT                    |              |          |
| L3 ,4   |          |           | L40-1091-17   | SMALL FIXED INDUCTOR(1UH) |              |          |
| X1      |          |           | L77-1122-05   | CRYSTAL RESONATOR(7.2MHZ) | MICX         |          |
| X1      |          |           | L77-2159-05   | CRYSTAL RESONATOR(7.2MHZ) | Y            |          |
| X2      |          |           | L78-0637-05   | RESONATOR (456KHZ)        |              |          |
| R1      |          |           | RK73FB2A332J  | CHIP R 3.3K J 1/10W       |              |          |
| R2      |          |           | RK73FB2A681J  | CHIP R 680 J 1/10W        |              |          |
| R3      |          |           | RK73FB2A100J  | CHIP R 10 J 1/10W         |              |          |
| R4 ,5   |          |           | RK73FB2A331J  | CHIP R 330 J 1/10W        |              |          |
| R6      |          |           | RK73FB2A101J  | CHIP R 100 J 1/10W        |              |          |
| R7      |          |           | RK73FB2A473J  | CHIP R 47K J 1/10W        |              |          |
| R8      |          |           | RK73FB2A331J  | CHIP R 330 J 1/10W        |              |          |
| R12     |          |           | RK73FB2A102J  | CHIP R 1.0K J 1/10W       |              |          |
| R13     |          |           | RK73FB2A473J  | CHIP R 47K J 1/10W        |              |          |
| R15 ,16 |          |           | RK73FB2A393J  | CHIP R 39K J 1/10W        |              |          |
| R17     |          |           | RK73FB2A271J  | CHIP R 270 J 1/10W        |              |          |
| R18     |          |           | RK73FB2A302J  | CHIP R 3.0K J 1/10W       |              |          |
| R19     |          |           | RK73FB2A822J  | CHIP R 8.2K J 1/10W       |              |          |
| R20 -23 |          |           | RK73FB2A102J  | CHIP R 1.0K J 1/10W       |              |          |
| R24     |          |           | RK73FB2A562J  | CHIP R 5.6K J 1/10W       |              |          |

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|----------|----------|-----------|---------------|----------------------|--------------|----------|
| Δ R25    |          |           | RD14NB2E101J  | RD 100 J 1/4W        |              |          |
| Δ R26    |          |           | RD14NB2E561J  | RD 560 J 1/4W        |              |          |
| R27 ,28  |          |           | RK73FB2A103J  | CHIP R 10K J 1/10W   |              |          |
| R29 ,30  |          |           | RK73FB2A102J  | CHIP R 1.0K J 1/10W  |              |          |
| R31      |          |           | RK73FB2A103J  | CHIP R 10K J 1/10W   |              |          |
| R32      |          |           | RK73FB2A122J  | CHIP R 1.2K J 1/10W  |              |          |
| Δ R33    |          |           | RK73FB2A123J  | CHIP R 12K J 1/10W   |              |          |
| Δ R41    |          |           | RS14KB3A271J  | FL-PROOF RS 270 J 1W |              |          |
| R42      |          |           | RD14NB2E271J  | RD 270 J 1/4W        |              |          |
| R44      |          |           | RK73FB2A101J  | CHIP R 100 J 1/10W   |              |          |
| R46      |          |           | RK73FB2A104J  | CHIP R 100K J 1/10W  |              |          |
| R47      |          |           | RK73FB2A153J  | CHIP R 15K J 1/10W   |              |          |
| R48      |          |           | RK73FB2A473J  | CHIP R 47K J 1/10W   | YMIC         |          |
| R49      |          |           | RK73FB2A473J  | CHIP R 47K J 1/10W   | YMIC         |          |
| R50      |          |           | RK73FB2A471J  | CHIP R 470 J 1/10W   |              |          |
| R51 -54  |          |           | RK73FB2A473J  | CHIP R 47K J 1/10W   |              |          |
| R55 ,56  |          |           | RK73FB2A154J  | CHIP R 150K J 1/10W  |              |          |
| R59 ,60  |          |           | RK73FB2A332J  | CHIP R 3.3K J 1/10W  |              |          |
| R61      |          |           | RK73FB2A103J  | CHIP R 10K J 1/10W   |              |          |
| R62      |          |           | RK73FB2A563J  | CHIP R 56K J 1/10W   |              |          |
| R63      |          |           | RK73FB2A821J  | CHIP R 820 J 1/10W   |              |          |
| R64      |          |           | RK73FB2A102J  | CHIP R 1.0K J 1/10W  |              |          |
| R65      |          |           | RK73EB2B102J  | CHIP R 1.0K J 1/8W   |              |          |
| R73      |          |           | RK73FB2A681J  | CHIP R 680 J 1/10W   |              |          |
| W101-106 |          |           | R92-0670-05   | CHIP R 0 OHM         |              |          |
| W108-113 |          |           | R92-0670-05   | CHIP R 0 OHM         |              |          |
| W115     |          |           | R92-0670-05   | CHIP R 0 OHM         |              |          |
| W201-212 |          |           | R92-0679-05   | CHIP R 0 OHM         |              |          |
| S1       |          |           | S62-0034-05   | SLIDE SWITCH         | YMIC         |          |
| D1 ,2    |          |           | HSS104        | DIODE                |              |          |
| D1 ,2    |          |           | 1SS133        | DIODE                |              |          |
| D3 ,4    |          |           | HZS5.1N(B2)   | ZENER DIODE          |              |          |
| D3 ,4    |          |           | MTZJ5.1(B)    | ZENER DIODE          |              |          |
| D3 ,4    |          |           | RD5.1ES(B2)   | ZENER DIODE          |              |          |
| D3 ,4    |          |           | UZ-5.1BSB     | ZENER DIODE          |              |          |
| D8       |          |           | HSS104        | DIODE                |              |          |
| D8       |          |           | 1SS133        | DIODE                |              |          |
| D10      |          |           | MA111         | DIODE                |              |          |
| D12      |          |           | HZS3.3N(B2)   | ZENER DIODE          |              |          |
| D12      |          |           | MTZJ3.3(B)    | ZENER DIODE          |              |          |
| D12      |          |           | RD3.3ES(B2)   | ZENER DIODE          |              |          |
| D12      |          |           | UZ-3.3BSB     | ZENER DIODE          |              |          |
| D13      |          |           | HZS2.7N(B2)   | ZENER DIODE          |              |          |
| D13      |          |           | MTZJ2.7(B)    | ZENER DIODE          |              |          |
| D13      |          |           | RD2.7ES(B2)   | ZENER DIODE          |              |          |
| D13      |          |           | UZ-2.7BSB     | ZENER DIODE          |              |          |
| IC1      |          |           | LA1832        | ANALOGUE IC          |              |          |
| IC2      |          |           | LC72131       | MOS-IC               |              |          |
| IC4      |          |           | NJM4565M      | IC(OP AMP X2)        |              |          |
| Q1       |          |           | 2SC2714(R,O)  | TRANSISTOR           |              |          |
| Q3       |          |           | 2SA1576A(R,S) | TRANSISTOR           |              |          |
| Q3       |          |           | 2SA1586(Y,GR) | TRANSISTOR           |              |          |
| Q3       |          |           | 2SB1218A(Q,R) | TRANSISTOR           |              |          |
| Q5       |          |           | 2SC4081(R,S)  | TRANSISTOR           |              |          |

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|---------------------------|----------|-----------|---------------|---------------------|--------------|----------|
| Q5                        |          |           | 2SC4116(Y,GR) | TRANSISTOR          |              |          |
| Q5                        |          |           | 2SD1819A(Q,R) | TRANSISTOR          |              |          |
| Q6                        |          |           | 2SA1576A(R,S) | TRANSISTOR          |              |          |
| Q6                        |          |           | 2SA1586(Y,GR) | TRANSISTOR          |              |          |
| Q6                        |          |           | 2SB1218A(Q,R) | TRANSISTOR          |              |          |
| Q7 ,8                     |          |           | 2SD1757K      | TRANSISTOR          |              |          |
| Q7 ,8                     |          |           | 2SD2114K      | TRANSISTOR          |              |          |
| Q9 ,10                    |          |           | 2SC4081(R,S)  | TRANSISTOR          | YMIC         |          |
| Q9 ,10                    |          |           | 2SC4116(Y,GR) | TRANSISTOR          |              |          |
| Q9 ,10                    |          |           | 2SD1819A(Q,R) | TRANSISTOR          | YMIC         |          |
| A1                        |          |           | W02-2582-05   | FM FRONT-END ASSY   |              |          |
| <b>TUNER(X05-4680-10)</b> |          |           |               |                     |              |          |
| C1                        |          |           | CE04LW1C470M  | ELECTRO 47UF 16WV   |              |          |
| C2                        |          |           | CE04LW1H010M  | ELECTRO 1.0UF 50WV  |              |          |
| C3                        |          |           | CK73FB1H103K  | CHIP C 0.010UF K    |              |          |
| C5                        |          |           | CK73FB1H103K  | CHIP C 0.010UF K    |              |          |
| C6 -10                    |          |           | CK73FB1H103K  | CHIP C 0.010UF K    | ET           |          |
| C30                       |          |           | CK73EB1E473K  | CHIP C 0.047UF K    |              |          |
| C31                       |          |           | CE04LW1C470M  | ELECTRO 47UF 16WV   |              |          |
| C32                       |          |           | CK73FB1H103K  | CHIP C 0.010UF K    |              |          |
| C33                       |          |           | CE04LW1C100M  | ELECTRO 10UF 16WV   |              |          |
| C34                       |          |           | CK73FB1H103K  | CHIP C 0.010UF K    |              |          |
| C35                       |          |           | CE04LW1C100M  | ELECTRO 10UF 16WV   |              |          |
| C36                       |          |           | CK73FB1E473K  | CHIP C 0.047UF K    |              |          |
| C37                       |          |           | CK73FB1H103K  | CHIP C 0.010UF K    |              |          |
| C38                       |          |           | C90-3217-05   | ELECTRO 10UF 10WV   |              |          |
| C40                       |          |           | C90-3253-05   | ELECTRO 1.0UF 50WV  |              |          |
| C41                       |          |           | C90-3251-05   | ELECTRO 0.47UF 50WV |              |          |
| C42                       |          |           | C90-3240-05   | ELECTRO 2.2UF 35WV  |              |          |
| C43                       |          |           | CE04LW1HR47M  | ELECTRO 0.47UF 50WV |              |          |
| C44                       |          |           | CK73FB1E473K  | CHIP C 0.047UF K    |              |          |
| C45                       |          |           | CC73FCH1H220J | CHIP C 22PF J       |              |          |
| C46                       |          |           | CE04LW1A101M  | ELECTRO 100UF 10WV  |              |          |
| C47                       |          |           | CK73FB1H472K  | CHIP C 4700PF K     |              |          |
| C48                       |          |           | CC73FSL1H101J | CHIP C 100PF J      |              |          |
| C49                       |          |           | CE04LW1H010M  | ELECTRO 1.0UF 50WV  |              |          |
| C50                       |          |           | CK73FB1H152K  | CHIP C 1500PF K     | ET           |          |
| C51 ,52                   |          |           | C90-3217-05   | ELECTRO 10UF 10WV   |              |          |
| C53 ,54                   |          |           | CK73FB1H223K  | CHIP C 0.022UF K    | ET           |          |
| C53 ,54                   |          |           | CK73FB1H333K  | CHIP C 0.033UF K    | KP           |          |
| C55 ,56                   |          |           | CE04LW1H2R2M  | ELECTRO 2.2UF 50WV  |              |          |
| C57 ,58                   |          |           | CK73FB1H822K  | CHIP C 8200PF K     |              |          |
| C59                       |          |           | CC73FSL1H101J | CHIP C 100PF J      | ET           |          |
| C60                       |          |           | CK73FB1E104K  | CHIP C 0.10UF K     | ET           |          |
| C61                       |          |           | CK73FB1H103K  | CHIP C 0.010UF K    |              |          |
| C62                       |          |           | CK73FB1H333K  | CHIP C 0.033UF K    | T            |          |
| C63                       |          |           | CC73FCH1H090D | CHIP C 9.0PF D      | T            |          |
| C64                       |          |           | CK73FB1H333K  | CHIP C 0.033UF K    |              |          |
| C66                       |          |           | CC73FCH1H060D | CHIP C 6.0PF D      |              |          |
| C67                       |          |           | CC73FCH1H220J | CHIP C 22PF J       |              |          |
| C68                       |          |           | CC73FSL1H020C | CHIP C 2.0PF C      |              |          |
| C70                       |          |           | CC73FSL1H101J | CHIP C 100PF J      |              |          |
| C73                       |          |           | CK73FB1H821K  | CHIP C 820PF K      | KP           |          |
| C81                       |          |           | CC73FCH1H220J | CHIP C 22PF J       |              |          |

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|---------|----------|-----------|----------------|------------------------------|--------------|----------|
| C82     |          |           | CC73FCH1H270J  | CHIP C 27PF J                |              |          |
| C84     |          |           | CK73FB1H102K   | CHIP C 1000PF K              |              |          |
| C85     |          |           | CC73FSL1H101J  | CHIP C 100PF J               |              |          |
| C86     |          |           | CK73FB1H102K   | CHIP C 1000PF K              |              |          |
| C87     |          |           | CE04LW1C100M   | ELECTRO 10UF 16WV            |              |          |
| C89     |          |           | CE04LW1C470M   | ELECTRO 47UF 16WV            |              |          |
| C90     |          |           | CE04LW1H2R2M   | ELECTRO 2.2UF 50WV           |              |          |
| C91     |          |           | CK73FB1H223K   | CHIP C 0.022UF K             |              |          |
| C92     |          |           | CC73FSL1H471J  | CHIP C 470PF J               |              |          |
| C93     |          |           | CK73FB1H103K   | CHIP C 0.010UF K             |              |          |
| C96     |          |           | CK73FB1H102K   | CHIP C 1000PF K              |              |          |
| CN1     |          |           | E40-4609-05    | PIN ASSY                     |              |          |
| CN2     |          |           | E40-4871-05    | PIN ASSY                     |              |          |
| J1      |          |           | E70-0052-05    | LOCK TERMINAL BOARD          |              |          |
| CF1 ,2  |          |           | L72-0536-05    | CERAMIC FILTER               | ET           |          |
| CF1 ,2  |          |           | L72-0596-05    | CERAMIC FILTER               | KP           |          |
| L31     |          |           | L30-0943-05    | FM IFT                       |              |          |
| L32     |          |           | L30-0944-05    | FM IFT                       |              |          |
| L33     |          |           | L30-0911-05    | AM IFT                       |              |          |
| L34     |          |           | L79-1240-05    | LC FILTER                    | ET           |          |
| L35 ,36 |          |           | L79-1239-05    | LC FILTER                    |              |          |
| L61     |          |           | L40-1091-17    | SMALL FIXED INDUCTOR(1UH)    |              |          |
| L62     |          |           | L39-1351-05    | COMBINATION COIL             | KPE          |          |
| L62     |          |           | L39-1352-05    | COMBINATION COIL             | T            |          |
| L63     |          |           | L40-1001-17    | SMALL FIXED INDUCTOR(10UH,K) |              |          |
| L81     |          |           | L40-1091-17    | SMALL FIXED INDUCTOR(1UH)    |              |          |
| X31     |          |           | L78-0637-05    | RESONATOR (456KHZ)           |              |          |
| X81     |          |           | L77-2159-05    | CRYSTAL RESONATOR(7.2MHZ)    |              |          |
| R1      |          |           | RD14NB2E221J   | RD 220 J 1/4W                |              |          |
| R2      |          |           | RK73FB2A221J   | CHIP R 220 J 1/10W           |              |          |
| R3      |          |           | RK73FB2A182J   | CHIP R 1.8K J 1/10W          | ET           |          |
| R3      |          |           | RK73FB2A561J   | CHIP R 560 J 1/10W           | KP           |          |
| R4      |          |           | RK73FB2A222J   | CHIP R 2.2K J 1/10W          |              |          |
| R5      |          |           | RK73FB2A103J   | CHIP R 10K J 1/10W           |              |          |
| R7      |          |           | RK73FB2A221J   | CHIP R 220 J 1/10W           | ET           |          |
| R8      |          |           | RK73FB2A681J   | CHIP R 680 J 1/10W           | ET           |          |
| R9      |          |           | RK73FB2A470J   | CHIP R 47 J 1/10W            |              |          |
| R10     |          |           | RK73FB2A101J   | CHIP R 100 J 1/10W           |              |          |
| R11     |          |           | RK73FB2A331J   | CHIP R 330 J 1/10W           |              |          |
| R12     |          |           | RK73FB2A101J   | CHIP R 100 J 1/10W           |              |          |
| R13     |          |           | RK73FB2A681J   | CHIP R 680 J 1/10W           |              |          |
| R14     |          |           | RK73FB2A332J   | CHIP R 3.3K J 1/10W          |              |          |
| R15     |          |           | RK73FB2A331J   | CHIP R 330 J 1/10W           |              |          |
| R16     |          |           | RK73FB2A100J   | CHIP R 10 J 1/10W            | ET           |          |
| R16     |          |           | RK73FB2A150J   | CHIP R 15 J 1/10W            | KP           |          |
| R17     |          |           | RK73FB2A331J   | CHIP R 330 J 1/10W           |              |          |
| R18     |          |           | RK73FB2A391J   | CHIP R 390 J 1/10W           |              |          |
| R19     |          |           | RK73FB2A681J   | CHIP R 680 J 1/10W           |              |          |
| R20     |          |           | RK73FB2A100J   | CHIP R 10 J 1/10W            | ET           |          |
| R20     |          |           | RK73FB2A150J   | CHIP R 15 J 1/10W            | KP           |          |
| R21     |          |           | RK73FB2A101J   | CHIP R 100 J 1/10W           |              |          |
| R22     |          |           | RK73FB2A100J   | CHIP R 10 J 1/10W            |              |          |
| R31     |          |           | RS14KB3A151JFR | FL-PROOF RS 150 J 1W         |              |          |

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| R32      |          |           | RK73FB2B562J | CHIP R 5.6K J 1/8W  |              |          |
| R33      |          |           | RK73FB2A302J | CHIP R 3.0K J 1/10W |              |          |
| R34      |          |           | RK73FB2A822J | CHIP R 8.2K J 1/10W |              |          |
| R35      |          |           | RK73FB2A333J | CHIP R 33K J 1/10W  |              |          |
| R36      |          |           | RK73FB2A393J | CHIP R 39K J 1/10W  |              |          |
| R37      |          |           | RK73FB2A242J | CHIP R 2.4K J 1/10W |              |          |
| R38      |          |           | RK73FB2A333J | CHIP R 33K J 1/10W  |              |          |
| R39      |          |           | RK73FB2A823J | CHIP R 82K J 1/10W  |              |          |
| R40      |          |           | RK73FB2A202J | CHIP R 2.0K J 1/10W |              |          |
| R41      |          |           | RK73FB2A222J | CHIP R 2.2K J 1/10W |              |          |
| R42      |          |           | RK73FB2A202J | CHIP R 2.0K J 1/10W | ET           |          |
| R43 ,44  |          |           | RK73FB2A222J | CHIP R 2.2K J 1/10W |              |          |
| R45 ,46  |          |           | RK73FB2A102J | CHIP R 1.0K J 1/10W |              |          |
| R47 ,48  |          |           | RK73FB2A392J | CHIP R 3.9K J 1/10W |              |          |
| R49      |          |           | RK73FB2A473J | CHIP R 47K J 1/10W  |              |          |
| R51      |          |           | RK73FB2A392J | CHIP R 3.9K J 1/10W |              |          |
| R52      |          |           | RK73FB2A104J | CHIP R 100K J 1/10W |              |          |
| R53      |          |           | RK73FB2A102J | CHIP R 1.0K J 1/10W |              |          |
| R55      |          |           | RK73FB2A562J | CHIP R 5.6K J 1/10W |              |          |
| R56 ,57  |          |           | RK73FB2A101J | CHIP R 100 J 1/10W  |              |          |
| R59      |          |           | RK73FB2A272J | CHIP R 2.7K J 1/10W |              |          |
| R61      |          |           | RK73FB2A223J | CHIP R 22K J 1/10W  | T            |          |
| R62      |          |           | RK73FB2A105J | CHIP R 1.0M J 1/10W | T            |          |
| R63      |          |           | RK73FB2A473J | CHIP R 47K J 1/10W  | T            |          |
| R64      |          |           | RK73FB2A103J | CHIP R 10K J 1/10W  | T            |          |
| R65      |          |           | RK73FB2A153J | CHIP R 15K J 1/10W  | T            |          |
| R66      |          |           | RK73FB2A152J | CHIP R 1.5K J 1/10W | T            |          |
| R67      |          |           | RK73FB2A104J | CHIP R 100K J 1/10W |              |          |
| R68      |          |           | RK73FB2A222J | CHIP R 2.2K J 1/10W | T            |          |
| R69      |          |           | RK73FB2A103J | CHIP R 10K J 1/10W  |              |          |
| R70      |          |           | RK73FB2A105J | CHIP R 1.0M J 1/10W | T            |          |
| R80      |          |           | RK73FB2B102J | CHIP R 1.0K J 1/8W  |              |          |
| R81 -83  |          |           | RK73FB2A102J | CHIP R 1.0K J 1/10W |              |          |
| R84      |          |           | RK73FB2A103J | CHIP R 10K J 1/10W  |              |          |
| R85 -88  |          |           | RK73FB2A102J | CHIP R 1.0K J 1/10W |              |          |
| Δ R89    |          |           | RD14NB2E101J | RD 100 J 1/4W       |              |          |
| R90      |          |           | RK73FB2A562J | CHIP R 5.6K J 1/10W |              |          |
| R91      |          |           | RK73FB2A222J | CHIP R 2.2K J 1/10W |              |          |
| R92      |          |           | RK73FB2A123J | CHIP R 12K J 1/10W  |              |          |
| R93      |          |           | RK73FB2A122J | CHIP R 1.2K J 1/10W |              |          |
| R94      |          |           | RD14NB2E561J | RD 560 J 1/4W       |              |          |
| R101,102 |          |           | RK73FB2A102J | CHIP R 1.0K J 1/10W |              |          |
| R103     |          |           | RK73FB2A821J | CHIP R 820 J 1/10W  |              |          |
| R104     |          |           | RK73FB2A473J | CHIP R 47K J 1/10W  |              |          |
| R105     |          |           | RK73FB2A822J | CHIP R 8.2K J 1/10W |              |          |
| W51 ,52  |          |           | R92-0670-05  | CHIP R 0 OHM        | KPE          |          |
| W53      |          |           | R92-0670-05  | CHIP R 0 OHM        |              |          |
| W54 ,55  |          |           | R92-0670-05  | CHIP R 0 OHM        | KPE          |          |
| W56      |          |           | R92-0679-05  | CHIP R 0 OHM        |              |          |
| W57 ,58  |          |           | R92-0679-05  | CHIP R 0 OHM        | T            |          |
| W59      |          |           | R92-0670-05  | CHIP R 0 OHM        |              |          |
| W61      |          |           | R92-0670-05  | CHIP R 0 OHM        |              |          |
| W62 -64  |          |           | R92-0679-05  | CHIP R 0 OHM        |              |          |
| W66 ,67  |          |           | R92-0679-05  | CHIP R 0 OHM        |              |          |
| W71      |          |           | R92-0670-05  | CHIP R 0 OHM        |              |          |

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| Ref. No                        | Add-ress | New Parts | Parts No.     | Description        | Desti-nation | Re-marks |
|--------------------------------|----------|-----------|---------------|--------------------|--------------|----------|
| W75                            |          |           | R92-0670-05   | CHIP R 0 OHM       |              |          |
| W76                            |          |           | R92-0670-05   | CHIP R 0 OHM       | T            |          |
| W81                            |          |           | R92-0679-05   | CHIP R 0 OHM       |              |          |
| W83                            |          |           | R92-0679-05   | CHIP R 0 OHM       |              |          |
| W85                            |          |           | R92-0670-05   | CHIP R 0 OHM       | ET           |          |
| D1                             |          |           | HSS104        | DIODE              |              |          |
| D1                             |          |           | 1SS133        | DIODE              |              |          |
| D2                             |          |           | HSS104        | DIODE              | ET           |          |
| D2                             |          |           | 1SS133        | DIODE              | ET           |          |
| D31                            |          |           | HZS8.2N(B2)   | ZENER DIODE        |              |          |
| D31                            |          |           | RD8.2ES(B2)   | ZENER DIODE        |              |          |
| D32                            |          |           | HSS104        | DIODE              |              |          |
| D32                            |          |           | 1SS133        | DIODE              |              |          |
| D61 ,62                        |          |           | HSS104        | DIODE              |              |          |
| D61 ,62                        |          |           | 1SS133        | DIODE              |              |          |
| D81                            |          |           | HZS5.1N(B2)   | ZENER DIODE        |              |          |
| D81                            |          |           | RD5.1ES(B2)   | ZENER DIODE        |              |          |
| D101                           |          |           | HZS3.3N(B2)   | ZENER DIODE        |              |          |
| D101                           |          |           | RD3.3ES(B2)   | ZENER DIODE        |              |          |
| D102                           |          |           | HZS2.7N(B2)   | ZENER DIODE        |              |          |
| D102                           |          |           | RD2.7ES(B2)   | ZENER DIODE        |              |          |
| IC1                            |          |           | LA1836        | ANALOGUE IC        |              |          |
| IC2                            |          |           | LC72131       | MOS-IC             |              |          |
| Q1 ,2                          |          |           | 2SC4081(R,S)  | TRANSISTOR         |              |          |
| Q1 ,2                          |          |           | 2SC4116(Y,GR) | TRANSISTOR         |              |          |
| Q3                             |          |           | 2SA1576A(R,S) | TRANSISTOR         |              |          |
| Q3                             |          |           | 2SA1586(Y,GR) | TRANSISTOR         |              |          |
| Q4                             |          |           | 2SC4081(R,S)  | TRANSISTOR         |              |          |
| Q4                             |          |           | 2SC4116(Y,GR) | TRANSISTOR         |              |          |
| Q31 ,32                        |          |           | 2SC4081(R,S)  | TRANSISTOR         |              |          |
| Q31 ,32                        |          |           | 2SC4116(Y,GR) | TRANSISTOR         | ET           |          |
| Q33 ,34                        |          |           | 2SC4081(R,S)  | TRANSISTOR         | ET           |          |
| Q33 ,34                        |          |           | 2SC4116(Y,GR) | TRANSISTOR         | T            |          |
| Q61 ,62                        |          |           | 2SC4081(R,S)  | TRANSISTOR         | T            |          |
| Q61 ,62                        |          |           | 2SC4116(Y,GR) | TRANSISTOR         | T            |          |
| Q63                            |          |           | 2SC2878(B)    | TRANSISTOR         | T            |          |
| Q64                            |          |           | 2SA1576A(R,S) | TRANSISTOR         | T            |          |
| Q64                            |          |           | 2SA1586(Y,GR) | TRANSISTOR         | T            |          |
| Q65                            |          |           | 2SK302(Y,GR)  | FET                | T            |          |
| Q81                            |          |           | 2SA1576A(R,S) | TRANSISTOR         |              |          |
| Q81                            |          |           | 2SA1586(Y,GR) | TRANSISTOR         |              |          |
| Q101,102                       |          |           | 2SD1757K      | TRANSISTOR         |              |          |
| Q103                           |          |           | 2SA1576A(R,S) | TRANSISTOR         |              |          |
| Q103                           |          |           | 2SA1586(Y,GR) | TRANSISTOR         |              |          |
| A1                             |          |           | W02-2582-05   | FM FRONT-END ASSY  | KP           |          |
| A1                             |          |           | W02-2584-05   | FM FRONT-END ASSY  | ET           |          |
| PRE(X08-2760-10 / X08-2810-20) |          |           |               |                    |              |          |
| C1 -4                          | 35       |           | CF92FV1H104J  | MF-O 0.10UF J      |              |          |
| C5 ,6                          | 35       |           | CE04KW1H220M  | ELECTRO 22UF 50WV  |              |          |
| C7 ,8                          |          |           | CE04KW1A101M  | ELECTRO 100UF 10WV |              |          |
| C11 ,12                        |          |           | CK45FB1H102K  | CERAMIC 1000PF K   |              |          |
| C13 ,14                        |          |           | CE04KW1H100M  | ELECTRO 10UF 50WV  |              |          |
| C15 ,16                        |          |           | CE04KW1H3R3M  | ELECTRO 3.3UF 50WV |              |          |
| C17 -21                        |          |           | CC45FSL1H101J | CERAMIC 100PF J    |              |          |

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| Ref. No | Add-<br>ress | New<br>Parts | Parts No.     | Description        | Desti-<br>nation | Re-<br>marks |
|---------|--------------|--------------|---------------|--------------------|------------------|--------------|
| C22     | 35           |              | CC45FSL1H101J | CERAMIC 100PF J    |                  |              |
| C23     |              |              | CC45FSL1H101J | CERAMIC 100PF J    |                  |              |
| C24     | 35           |              | CC45FSL1H101J | CERAMIC 100PF J    |                  |              |
| C27     |              |              | CK45FB1H102K  | CERAMIC 1000PF K   |                  |              |
| C28     | 35           |              | CK45FB1H102K  | CERAMIC 1000PF K   |                  |              |
| C29     | 15           |              | CE04KW1H0R1M  | ELECTRO 0.1UF 50WV |                  |              |
| C29     | 35           |              | CE04KW1H100M  | ELECTRO 10UF 50WV  |                  |              |
| C30     | 35           |              | CE04KW1H100M  | ELECTRO 10UF 50WV  |                  |              |
| C31 ,32 |              |              | CC45FSL1H101J | CERAMIC 100PF J    |                  |              |
| C34     |              |              | CK45FB1H102K  | CERAMIC 1000PF K   |                  |              |
| C35     | 15           |              | CE04KW1H0R1M  | ELECTRO 0.1UF 50WV |                  |              |
| C35     | 35           |              | CE04KW1H100M  | ELECTRO 10UF 50WV  |                  |              |
| C36     |              |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV |                  |              |
| C37     |              |              | CE04KW1C220M  | ELECTRO 22UF 16WV  |                  |              |
| C39     |              |              | CE04KW1C220M  | ELECTRO 22UF 16WV  |                  |              |
| C40     | 350          |              | CE04KW1C220M  | ELECTRO 22UF 16WV  | ET               |              |
| C41     |              |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV |                  |              |
| C43     |              |              | CF92FV1H224J  | MF-C 0.22UF J      |                  |              |
| C44     |              |              | CQ93FMG1H333J | MYLAR 0.033UF J    |                  |              |
| C45     |              |              | CF92FV1H564J  | MF-C 0.56UF J      |                  |              |
| C46     |              |              | CK45FB1H102K  | CERAMIC 1000PF K   |                  |              |
| C47     |              |              | CE04KW1H220M  | ELECTRO 22UF 50WV  |                  |              |
| C48     |              |              | CE04KW1C330M  | ELECTRO 33UF 16WV  |                  |              |
| C49     |              |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV |                  |              |
| C50     | 35           |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV |                  |              |
| C51     |              |              | CK45FF1H103Z  | CERAMIC 0.010UF Z  |                  |              |
| C52     |              |              | CE04HW1E100M  | NP-ELEC 10UF 25WV  |                  |              |
| C52     |              |              | CE04HW1H010M  | NP-ELEC 1.0UF 50WV |                  |              |
| C55     |              |              | CK45FF1H103Z  | CERAMIC 0.010UF Z  |                  |              |
| C56     |              |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV |                  |              |
| C61 ,62 |              |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV |                  |              |
| C63 ,64 |              |              | CE04KW1H220M  | ELECTRO 22UF 50WV  |                  |              |
| C67 ,68 |              |              | CK45FF1H472Z  | CERAMIC 4700PF Z   |                  |              |
| C69 ,70 |              |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV |                  |              |
| C71     |              |              | CQ93FMG1H103J | MYLAR 0.010UF J    |                  |              |
| C72     |              |              | CQ93FMG1H102J | MYLAR 1000PF J     |                  |              |
| C73     |              |              | CQ93FMG1H103J | MYLAR 0.010UF J    |                  |              |
| C74     |              |              | CQ93FMG1H102J | MYLAR 1000PF J     |                  |              |
| C75     |              |              | CQ93FMG1H103J | MYLAR 0.010UF J    |                  |              |
| C76     |              |              | CQ93FMG1H102J | MYLAR 1000PF J     |                  |              |
| C77     | 35           |              | CQ93FMG1H103J | MYLAR 0.010UF J    |                  |              |
| C78     | 35           |              | CQ93FMG1H102J | MYLAR 1000PF J     |                  |              |
| C79     |              |              | CQ93FMG1H103J | MYLAR 0.010UF J    |                  |              |
| C80     |              |              | CQ93FMG1H391K | MYLAR 390PF K      |                  |              |
| C81 ,82 |              |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV |                  |              |
| C83 ,84 |              |              | CE04KW1H100M  | ELECTRO 10UF 50WV  |                  |              |
| C85 ,86 |              |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV |                  |              |
| C87 ,88 |              |              | CQ93FMG1H562J | MYLAR 5600PF J     |                  |              |
| C89 ,92 |              |              | CF92FV1H104J  | MF-C 0.10UF J      |                  |              |
| C93 ,94 |              |              | CQ93FMG1H223J | MYLAR 0.022UF J    |                  |              |
| C95 ,96 |              |              | CQ93FMG1H183J | MYLAR 0.018UF J    |                  |              |
| C97 ,98 |              |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV |                  |              |
| C99     |              |              | CE04KW1C470M  | ELECTRO 47UF 16WV  |                  |              |
| C101    |              |              | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV |                  |              |
| C104    |              |              | CF92FV1H104J  | MF-C 0.10UF J      |                  |              |

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| Ref. No  | Add-<br>ress | New<br>Parts | Parts No.     | Description              | Desti-<br>nation | Re-<br>marks |
|----------|--------------|--------------|---------------|--------------------------|------------------|--------------|
| C105,106 | 35           |              | CC45FSL1H100D | CERAMIC 10PF D           |                  |              |
| C105,106 | 15           |              | CC45FSL1H101J | CERAMIC 100PF J          |                  |              |
| C107,108 |              |              | CC45FSL1H101J | CERAMIC 100PF J          |                  |              |
| C110     |              |              | CC45FSL1H101J | CERAMIC 100PF J          |                  |              |
| C111     | 15           |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV       |                  |              |
| C111     | 35           |              | CE04KW1H4R7M  | ELECTRO 4.7UF 50WV       |                  |              |
| C112,113 |              |              | CC45FSL1H101J | CERAMIC 100PF J          |                  |              |
| C114     | 15           |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV       |                  |              |
| C114     | 35           |              | CE04KW1H4R7M  | ELECTRO 4.7UF 50WV       |                  |              |
| C115     | 35           |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV       |                  |              |
| C116     | 35           |              | CE04KW1H0R1M  | ELECTRO 0.1UF 50WV       |                  |              |
| C116     | 15           |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV       |                  |              |
| C117     |              |              | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV       |                  |              |
| C118     | 35           |              | CE04KW1H0R1M  | ELECTRO 0.1UF 50WV       |                  |              |
| C118     | 15           |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV       |                  |              |
| C119     | 35           |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV       |                  |              |
| C121     | 35           |              | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV       |                  |              |
| C122,123 | 35           |              | CC45FSL1H101J | CERAMIC 100PF J          |                  |              |
| C124     | 35           |              | CE04KW1H4R7M  | ELECTRO 4.7UF 50WV       |                  |              |
| C125     | 35           |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV       |                  |              |
| C126     | 35           |              | CE04KW1H0R1M  | ELECTRO 0.1UF 50WV       |                  |              |
| C127     | 35           |              | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV       |                  |              |
| C128,129 | 35           |              | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV       |                  |              |
| C131,132 | 35           |              | CC45FSL1H100D | CERAMIC 10PF D           |                  |              |
| C133     | 35           |              | CK45FB1H102K  | CERAMIC 1000PF K         |                  |              |
| C134,135 | 35           |              | CK45FF1H103Z  | CERAMIC 0.010UF Z        |                  |              |
| C141,142 |              |              | CC45FSL1H470J | CERAMIC 47PF J           |                  |              |
| C143     |              |              | CE04HW1E100M  | NP-ELEC 10UF 25WV        |                  |              |
| C144,145 |              |              | CC45FSL1H470J | CERAMIC 47PF J           |                  |              |
| C146     |              |              | CE04HW1E100M  | NP-ELEC 10UF 25WV        |                  |              |
| C147     | 35           |              | CC45FSL1H470J | CERAMIC 47PF J           |                  |              |
| C148     | 35           |              | CE04HW1E100M  | NP-ELEC 10UF 25WV        |                  |              |
| C151,152 | 15           |              | CE04KW1H100M  | ELECTRO 10UF 50WV        |                  |              |
| C153,154 |              |              | CK45FF1H103Z  | CERAMIC 0.010UF Z        |                  |              |
| C155     |              |              | CE04KW1C221M  | ELECTRO 220UF 16WV       |                  |              |
| C160     |              |              | CC45FSL1H271J | CERAMIC 270PF J          | ET               |              |
| C161     |              |              | CK45FB1H471K  | CERAMIC 470PF K          | ET               |              |
| C162     |              |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV       | ET               |              |
| C163     |              |              | CK45FB1H102K  | CERAMIC 1000PF K         | ET               |              |
| C164     |              |              | CE04KW1H010M  | ELECTRO 1.0UF 50WV       | ET               |              |
| C165     |              |              | CE04KW1A101M  | ELECTRO 100UF 10WV       | ET               |              |
| CN1      |              |              | E40-4609-05   | PIN ASSY                 |                  |              |
| CN2      |              |              | E40-4902-05   | FLAT CABLE CONNECTOR     |                  |              |
| CN3      |              |              | E40-4902-05   | FLAT CABLE CONNECTOR     |                  |              |
| J1       | 35           |              | E11-0280-05   | PHONE JACK               | KPYET            |              |
| J1       |              |              | E11-0282-05   | PHONE JACK               | MICX             |              |
| J2       |              |              | E63-0163-05   | PHONO JACK               |                  |              |
| J3       | 35           |              | E63-1005-05   | PHONO JACK               |                  |              |
| J4       |              |              | E11-0283-05   | MINIATURE PHONE JACK(3P) | ET               |              |
| W5 ,6    | 35           |              | E31-0001-00   | JUMPER WIRE              |                  |              |
| W9       | 35           |              | E31-0001-00   | JUMPER WIRE              |                  |              |
| W11      | 35           |              | E31-0001-00   | JUMPER WIRE              |                  |              |
| W13 -17  | 35           |              | E31-0001-00   | JUMPER WIRE              |                  |              |
| W19 -28  | 35           |              | E31-0001-00   | JUMPER WIRE              |                  |              |

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Y : AAFES(Europe) X : Australia M : Other Areas Q : Russia 15 : C-V100/V150

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C-V100/V150/V300/V350

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| Ref. No  | Add-ress | New Parts | Parts No.    | Description          | Desti-nation | Re-marks |
|----------|----------|-----------|--------------|----------------------|--------------|----------|
| W31 -36  | 35       |           | E31-0001-00  | JUMPER WIRE          |              |          |
| W39      | 35       |           | E31-0001-00  | JUMPER WIRE          |              |          |
| W43      | 35       |           | E31-0001-00  | JUMPER WIRE          |              |          |
| E1 ,2    | 15       |           | J19-3290-05  | LEAD HOLDER          |              |          |
| E5 -9    |          |           | J11-0809-05  | WIRE CLAMPER         |              |          |
| R7 ,8    | 35       |           | RD14BB2C223J | RD 22K J 1/6W        |              |          |
| R9 ,10   | 35       |           | RD14BB2C113J | RD 11K J 1/6W        |              |          |
| R11 ,12  | 35       |           | RD14BB2C331J | RD 330 J 1/6W        |              |          |
| R31      | 15       |           | RD14BB2C103J | RD 10K J 1/6W        |              |          |
| R31 ,32  | 35       |           | RD14BB2C153J | RD 15K J 1/6W        |              |          |
| R34      | 35       |           | RD14BB2C432J | RD 4.3K J 1/6W       |              |          |
| R36      | 35       |           | RD14BB2C182J | RD 1.8K J 1/6W       |              |          |
| R44      | 35       |           | RD14BB2C473J | RD 47K J 1/6W        |              |          |
| R48      | 35       |           | RD14BB2C473J | RD 47K J 1/6W        |              |          |
| R50      | 35       |           | RD14BB2C242J | RD 2.4K J 1/6W       |              |          |
| R54      | 35       |           | RD14BB2C220J | RD 22 J 1/6W         |              |          |
| R56      | 35       |           | RD14BB2C220J | RD 22 J 1/6W         |              |          |
| R61      | 15       |           | RD14BB2C103J | RD 10K J 1/6W        |              |          |
| R61      | 35       |           | RD14BB2C153J | RD 15K J 1/6W        |              |          |
| R86      | 15       |           | RD14BB2C471J | RD 470 J 1/6W        |              |          |
| R86      | 35       |           | RD14BB2C821J | RD 820 J 1/6W        |              |          |
| R87 -89  | 15       |           | RD14BB2C103J | RD 10K J 1/6W        |              |          |
| R87 -89  | 35       |           | RD14BB2C113J | RD 11K J 1/6W        |              |          |
| R93      | 35       |           | RD14BB2C102J | RD 1.0K J 1/6W       |              |          |
| R111,112 |          |           | RS14KB3A470J | FL-PROOF RS 47 J 1W  |              |          |
| R119,120 |          |           | RS14KB3D101J | FL-PROOF RS 100 J 2W |              |          |
| R137-139 | 35       |           | RD14BB2C102J | RD 1.0K J 1/6W       |              |          |
| R140     |          |           | RS14KB3A121J | FL-PROOF RS 120 J 1W |              |          |
| R143-145 | 35       |           | RD14BB2C224J | RD 220K J 1/6W       |              |          |
| R146     | 35       |           | RD14BB2C563J | RD 56K J 1/6W        |              |          |
| R151-155 | 35       |           | RD14BB2C562J | RD 5.6K J 1/6W       |              |          |
| R156     | 35       |           | RD14BB2C333J | RD 33K J 1/6W        |              |          |
| R170     | 35       |           | RD14BB2C750J | RD 75 J 1/6W         |              |          |
| R173     | 35       |           | RD14BB2C102J | RD 1.0K J 1/6W       |              |          |
| R174,175 |          |           | RS14KB3A391J | FL-PROOF RS 390 J 1W |              |          |
| R181     |          |           | RD14NB2E152J | RD 1.5K J 1/4W       | ET           |          |
| R219     |          |           | RD14NB2E181J | RD 180 J 1/4W        |              |          |
| R226     | 35       |           | RD14BB2C223J | RD 22K J 1/6W        |              |          |
| D1 ,2    |          |           | HZS8.2N(B2)  | ZENER DIODE          |              |          |
| D1 ,2    |          |           | MTZJ8.2(B)   | ZENER DIODE          |              |          |
| D1 ,2    |          |           | RD8.2ES(B2)  | ZENER DIODE          |              |          |
| D1 ,2    |          |           | UZ-8.2BSB    | ZENER DIODE          |              |          |
| D3       | 35       |           | HZS8.2N(B2)  | ZENER DIODE          |              |          |
| D3       | 35       |           | MTZJ8.2(B)   | ZENER DIODE          |              |          |
| D3       | 35       |           | RD8.2ES(B2)  | ZENER DIODE          |              |          |
| D3       |          |           | UZ-8.2BSB    | ZENER DIODE          |              |          |
| D4 ,5    |          |           | HZS8.2N(B2)  | ZENER DIODE          |              |          |
| D4 ,5    |          |           | MTZJ8.2(B)   | ZENER DIODE          |              |          |
| D4 ,5    |          |           | RD8.2ES(B2)  | ZENER DIODE          |              |          |
| D4 ,5    |          |           | UZ-8.2BSB    | ZENER DIODE          |              |          |
| D6 -10   | 35       |           | HZS8.2N(B2)  | ZENER DIODE          |              |          |
| D6 -10   | 35       |           | MTZJ8.2(B)   | ZENER DIODE          |              |          |
| D6 -10   | 35       |           | RD8.2ES(B2)  | ZENER DIODE          |              |          |

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| Ref. No | Add-ress | New Parts | Parts No.     | Description   | Desti-nation | Re-marks |
|---------|----------|-----------|---------------|---------------|--------------|----------|
| D6 -10  | 35       |           | UZ-8.2BSB     | ZENER DIODE   |              |          |
| D11 ,12 |          |           | HZS5.1N(B2)   | ZENER DIODE   |              |          |
| D11 ,12 |          |           | MTZJ5.1(B)    | ZENER DIODE   |              |          |
| D11 ,12 |          |           | RD5.1ES(B2)   | ZENER DIODE   |              |          |
| D11 ,12 |          |           | UZ-5.1BSB     | ZENER DIODE   |              |          |
| D13     |          |           | HZS10N(B2)    | ZENER DIODE   |              |          |
| D13     |          |           | MTZJ10(B)     | ZENER DIODE   |              |          |
| D13     |          |           | RD10ES(B2)    | ZENER DIODE   |              |          |
| D13     |          |           | UZ-10BSB      | ZENER DIODE   |              |          |
| D14 ,15 |          |           | HSS104A       | DIODE         |              |          |
| D14 ,15 |          |           | 1SS131        | DIODE         |              |          |
| D16     |          |           | HZS3.9N(B2)   | ZENER DIODE   |              |          |
| D16     |          |           | MTZJ3.9(B)    | ZENER DIODE   |              |          |
| D16     |          |           | RD3.9ES(B2)   | ZENER DIODE   |              |          |
| D16     |          |           | UZ-3.9BSB     | ZENER DIODE   |              |          |
| D18 ,19 | 35       |           | HSS104A       | DIODE         |              |          |
| D18 ,19 | 35       |           | 1SS131        | DIODE         |              |          |
| D20 ,21 |          |           | HSS104A       | DIODE         | ET           |          |
| D20 ,21 |          |           | 1SS131        | DIODE         | ET           |          |
| IC1     |          |           | NJM4580D-D    | IC(OP AMP X2) |              |          |
| IC2 ,3  |          |           | NJM4565D-D    | IC(OP AMP X2) |              |          |
| IC4     | 35       |           | NJM4565D-D    | IC(OP AMP X2) |              |          |
| IC5     |          |           | NJM4580D-D    | IC(OP AMP X2) |              |          |
| IC6     |          |           | NJM2279D      | IC(VIDEO IC)  |              |          |
| IC7     |          |           | TDA7466       | ANALOGUE IC   |              |          |
| IC8     |          |           | TDA7309       | ANALOGUE IC   |              |          |
| IC9     | 35       |           | TDA7309       | ANALOGUE IC   |              |          |
| IC10    | 35       |           | TC9215AP      | ANALOGUE IC   |              |          |
| IC11    | 35       |           | NJM4580D-D    | IC(OP AMP X2) |              |          |
| Q1 ,2   |          |           | 2SC2878(B)    | TRANSISTOR    |              |          |
| Q3 ,4   | 35       |           | 2SC2878(B)    | TRANSISTOR    |              |          |
| Q5      |          |           | 2SC2878(B)    | TRANSISTOR    |              |          |
| Q6      | 35       |           | 2SC2878(B)    | TRANSISTOR    |              |          |
| Q7 ,8   |          |           | 2SC2878(B)    | TRANSISTOR    |              |          |
| Q11 ,12 |          |           | 2SC2878(B)    | TRANSISTOR    |              |          |
| Q15     |          |           | 2SA1048(Y,GR) | TRANSISTOR    |              |          |
| Q15     |          |           | 2SA1175(F,E)  | TRANSISTOR    |              |          |
| Q15     |          |           | 2SA1309A(Q,R) | TRANSISTOR    |              |          |
| Q15     |          |           | 2SA933AS(Q,R) | TRANSISTOR    |              |          |
| Q16     |          |           | 2SC1740S(Q,R) | TRANSISTOR    |              |          |
| Q16     | 35       |           | 2SC2458(Y,GR) | TRANSISTOR    |              |          |
| Q16     |          |           | 2SC2785(F,E)  | TRANSISTOR    |              |          |
| Q16     | 35       |           | 2SC3311A(Q,R) | TRANSISTOR    |              |          |
| Q17     | 35       |           | 2SA1048(Y,GR) | TRANSISTOR    |              |          |
| Q17     | 35       |           | 2SA1175(F,E)  | TRANSISTOR    |              |          |
| Q17     | 35       |           | 2SA1309A(Q,R) | TRANSISTOR    |              |          |
| Q17     | 35       |           | 2SA933AS(Q,R) | TRANSISTOR    |              |          |
| Q18     |          |           | 2SC1740S(Q,R) | TRANSISTOR    |              |          |
| Q18     |          |           | 2SC2458(Y,GR) | TRANSISTOR    | ET           |          |
| Q18     |          |           | 2SC2785(F,E)  | TRANSISTOR    | ET           |          |
| Q18     |          |           | 2SC3311A(Q,R) | TRANSISTOR    | ET           |          |
| Q19     |          |           | 2SA1048(Y,GR) | TRANSISTOR    |              |          |
| Q19     |          |           | 2SA1175(F,E)  | TRANSISTOR    |              |          |
| Q19     |          |           | 2SA1309A(Q,R) | TRANSISTOR    |              |          |
| Q19     |          |           | 2SA933AS(Q,R) | TRANSISTOR    |              |          |

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## PARTS LIST

\* New Parts

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| Ref. No                                   | Add-ress | New Parts | Parts No.     | Description         | Desti-nation | Re-marks |
|-------------------------------------------|----------|-----------|---------------|---------------------|--------------|----------|
| <b>CONTROL(X11-3730-10 / X11-3790-20)</b> |          |           |               |                     |              |          |
| C1 -4                                     | 350      | 3         | CC45FSL1H221J | CERAMIC 220PF J     | ET           |          |
| C5 ,6                                     |          |           | CC45FSL1H221J | CERAMIC 220PF J     |              |          |
| C7 ,8                                     |          |           | CC45FSL1H221J | CERAMIC 220PF J     | ET           |          |
| C9 ,10                                    |          |           | CC45FSL1H221J | CERAMIC 220PF J     |              |          |
| C11 -14                                   |          |           | CC45FSL1H221J | CERAMIC 220PF J     | ET           |          |
| C15 ,16                                   |          |           | CC45FSL1H221J | CERAMIC 220PF J     |              |          |
| C17 ,18                                   |          |           | CC45FSL1H221J | CERAMIC 220PF J     | ET           |          |
| C19 -24                                   |          |           | CC45FSL1H221J | CERAMIC 220PF J     | ET           |          |
| C25 ,26                                   |          |           | CC45FSL1H221J | CERAMIC 220PF J     |              |          |
| C27                                       |          |           | CC45FSL1H221J | CERAMIC 220PF J     | MICXET       |          |
| C28 -30                                   | 3        | 3         | CC45FSL1H221J | CERAMIC 220PF J     |              |          |
| C31 ,32                                   |          |           | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV  |              |          |
| C33 ,34                                   |          |           | CC45FSL1H221J | CERAMIC 220PF J     |              |          |
| C35 ,36                                   |          |           | C90-3748-05   | ELECTRO 22UF 16WV   |              |          |
| C37 ,38                                   |          |           | CE04KW1C220M  | ELECTRO 22UF 16WV   |              |          |
| C39                                       |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C40                                       |          |           | CK45FB1H391K  | CERAMIC 390PF K     |              |          |
| C41 -44                                   |          |           | CQ93FMG1H102J | MYLAR 1000PF J      |              |          |
| C45                                       |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C46                                       |          |           | CE04HW1H2R2M  | NP-ELEC 2.2UF 50WV  |              |          |
| C47 ,48                                   | 3        | 3         | CC45FSL1H101J | CERAMIC 100PF J     |              |          |
| C51 ,52                                   |          |           | CC45FSL1H101J | CERAMIC 100PF J     |              |          |
| C53 ,54                                   |          |           | CE04KW1H010M  | ELECTRO 1.0UF 50WV  |              |          |
| C59 ,60                                   |          |           | CC45FSL1H101J | CERAMIC 100PF J     |              |          |
| C61 ,62                                   |          |           | CE04KW1C100M  | ELECTRO 10UF 16WV   |              |          |
| C63                                       |          |           | CE04KW1H010M  | ELECTRO 1.0UF 50WV  |              |          |
| C64                                       |          |           | CF92FV1H474J  | MF-C 0.47UF J       |              |          |
| C66                                       |          |           | CQ93FMG1H222J | MYLAR 2200PF J      |              |          |
| C67                                       |          |           | CE04KW1C100M  | ELECTRO 10UF 16WV   |              |          |
| C68 ,69                                   |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C71                                       | 3        | 3         | CQ93FMG1H223J | MYLAR 0.022UF J     |              |          |
| C72                                       |          |           | CQ93FMG1H473J | MYLAR 0.047UF J     |              |          |
| C73                                       |          |           | CE04KW1C221M  | ELECTRO 220UF 16WV  |              |          |
| C74 -77                                   |          |           | CE04KW1C100M  | ELECTRO 10UF 16WV   |              |          |
| C78                                       |          |           | CE04KW1C221M  | ELECTRO 220UF 16WV  |              |          |
| C79 ,80                                   |          |           | CQ93FMG1H104J | MYLAR 0.10UF J      |              |          |
| C81                                       |          |           | CE04KW1HR47M  | ELECTRO 0.47UF 50WV |              |          |
| C82                                       |          |           | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV  |              |          |
| C83                                       |          |           | CE04KW1HR47M  | ELECTRO 0.47UF 50WV |              |          |
| C84                                       |          |           | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV  |              |          |
| C85                                       | 3        | 3         | CF92FV1H154J  | MF-C 0.15UF J       |              |          |
| C86                                       |          |           | CE04KW1H3R3M  | ELECTRO 3.3UF 50WV  |              |          |
| C87 ,88                                   |          |           | CF92FV1H154J  | MF-C 0.15UF J       |              |          |
| C89                                       |          |           | CE04KW1H3R3M  | ELECTRO 3.3UF 50WV  |              |          |
| C90                                       |          |           | CF92FV1H154J  | MF-C 0.15UF J       |              |          |
| C91                                       |          |           | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV  |              |          |
| C92                                       |          |           | CE04KW1HR47M  | ELECTRO 0.47UF 50WV |              |          |
| C93                                       |          |           | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV  |              |          |
| C94                                       |          |           | CE04KW1HR47M  | ELECTRO 0.47UF 50WV |              |          |
| C95 ,96                                   |          |           | CQ93FMG1H104J | MYLAR 0.10UF J      |              |          |
| C97                                       | 3        | 3         | CE04KW1E470M  | ELECTRO 47UF 25WV   |              |          |
| C98                                       |          |           | CF92FV1H474J  | MF-C 0.47UF J       |              |          |
| C99                                       |          |           | CQ93FMG1H681J | MYLAR 680PF J       |              |          |

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|----------|----------|-----------|---------------|---------------------|--------------|----------|
| C100     | 3        | 3         | CE04KW1H2R2M  | ELECTRO 2.2UF 50WV  |              |          |
| C101     |          |           | CQ93FMG1H103J | MYLAR 0.010UF J     |              |          |
| C102     |          |           | CE04KW1HR33M  | ELECTRO 0.33UF 50WV |              |          |
| C103     |          |           | CE04KW1C221M  | ELECTRO 220UF 16WV  |              |          |
| C104     |          |           | CE04KW1HR47M  | ELECTRO 0.47UF 50WV |              |          |
| C105     |          |           | CQ93FMG1H823J | MYLAR 0.082UF J     |              |          |
| C106     |          |           | CQ93FMG1H332J | MYLAR 3300PF J      |              |          |
| C107     |          |           | CQ93FMG1H823J | MYLAR 0.082UF J     |              |          |
| C108     |          |           | CE04KW1C221M  | ELECTRO 220UF 16WV  |              |          |
| C109     |          |           | CQ93FMG1H104J | MYLAR 0.10UF J      |              |          |
| C111-114 | 3        | 3         | CC45FSL1H101J | CERAMIC 100PF J     |              |          |
| C115-117 |          |           | CK45FB1H102K  | CERAMIC 1000PF K    |              |          |
| C118,119 |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C120,121 |          |           | CC45FCH1H180J | CERAMIC 18PF J      |              |          |
| C122     |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C123     |          |           | CE04KW0J331M  | ELECTRO 330UF 6.3WV |              |          |
| C124     |          |           | CE04KW1A101M  | ELECTRO 100UF 10WV  |              |          |
| C133     |          |           | CE04KW1E470M  | ELECTRO 47UF 25WV   |              |          |
| C136     |          |           | CQ93FMG1H104J | MYLAR 0.10UF J      |              |          |
| C137,138 |          |           | CK45FB1H102K  | CERAMIC 1000PF K    |              |          |
| C139     | 3        | 3         | CE04KW1H100M  | ELECTRO 10UF 50WV   |              |          |
| C141-144 |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C145     |          |           | CE04KW1H102M  | ELECTRO 1000UF 50WV |              |          |
| C146     |          |           | CK45FB1H391K  | CERAMIC 390PF K     |              |          |
| C147     |          |           | CE04KW1E470M  | ELECTRO 47UF 25WV   |              |          |
| C150     |          |           | CE04KW1E470M  | ELECTRO 47UF 25WV   |              |          |
| C151     |          |           | CE04KW1H102M  | ELECTRO 1000UF 50WV |              |          |
| C152     |          |           | CE04KW1V4R7M  | ELECTRO 4.7UF 35WV  |              |          |
| C156     |          |           | CE04KW1E470M  | ELECTRO 47UF 25WV   |              |          |
| C157     |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C158     | 3        | 3         | CE04KW1H100M  | ELECTRO 10UF 50WV   |              |          |
| C159     |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C160     |          |           | CE04KW1E102M  | ELECTRO 1000UF 25WV |              |          |
| C161     |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C162     |          |           | CE04KW1C220M  | ELECTRO 22UF 16WV   |              |          |
| C163     |          |           | CK45FB1H102K  | CERAMIC 1000PF K    | ET           |          |
| C163     |          |           | CK45FB1H102K  | CERAMIC 1000PF K    | MICX         |          |
| C164     |          |           | CE04KW1A470M  | ELECTRO 47UF 10WV   |              |          |
| C165     |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C166     |          |           | CE04KW1J331M  | ELECTRO 330UF 63WV  |              |          |
| C167     | 3        | 3         | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C168     |          |           | CE04KW1H100M  | ELECTRO 10UF 50WV   |              |          |
| C169     |          |           | CK45FB1H102K  | CERAMIC 1000PF K    |              |          |
| C170     |          |           | CE04KW1H100M  | ELECTRO 10UF 50WV   |              |          |
| C171     |          |           | C90-3747-05   | ELECTRO 4.7UF 50WV  |              |          |
| C172     |          |           | C90-3749-05   | ELECTRO 47UF 16WV   |              |          |
| C173,174 |          |           | CE04KW1H010M  | ELECTRO 1.0UF 50WV  |              |          |
| C175     |          |           | CK45FB1H102K  | CERAMIC 1000PF K    |              |          |
| C176     |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C177     |          |           | C90-3623-05   | BACK UP 0.33F 5.5V  |              |          |
| C178     | 3        | 3         | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C179,180 |          |           | CE04KW1E470M  | ELECTRO 47UF 25WV   |              |          |
| C181-185 |          |           | CK45FF1H103Z  | CERAMIC 0.010UF Z   |              |          |
| C186     |          |           | C91-1488-05   | MF 6800PF 250VAC    |              |          |
| C189,190 | 3        | 3         | CC45FSL1H221J | CERAMIC 220PF J     |              |          |

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Δ indicates safety critical components.

C-V100/V150/V300/V350

PARTS LIST

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| Ref. No                                         | Add-ress             | New Parts | Parts No.                                                                     | Description                                                                                                        | Desti-nation            | Re-marks |
|-------------------------------------------------|----------------------|-----------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------|----------|
| C191<br>C192<br>C192<br>C193<br>C194            | 3                    |           | CK45FF1H103Z<br>CE04KW1H100M<br>CE04KW1H100M<br>CK45FF1H103Z<br>CE04HW1H2R2M  | CERAMIC 0.010UF Z<br>ELECTRO 10UF 50WV<br>ELECTRO 10UF 50WV<br>CERAMIC 0.010UF Z<br>NP-ELEC 2.2UF 50WV             | ET<br>MICX              |          |
| C195<br>C196-199<br>C200<br>C201<br>C202        |                      |           | CE04KW1H010M<br>CC45FSL1H221J<br>CE04KW1E470M<br>CK45FB1H391K<br>CK45FB1H103Z | ELECTRO 1.0UF 50WV<br>CERAMIC 220PF J<br>ELECTRO 47UF 25WV<br>CERAMIC 390PF K<br>CERAMIC 0.010UF Z                 |                         |          |
| CN1<br>CN1<br>CN3<br>CN4<br>CN4                 | 10<br>3              | *         | E40-4245-05<br>E40-8126-05<br>E40-4918-05<br>E40-4902-05<br>E40-4906-05       | PIN ASSY<br>PIN ASSY<br>FLAT CABLE CONNECTOR<br>FLAT CABLE CONNECTOR<br>FLAT CABLE CONNECTOR                       | MICX<br>KPYET           |          |
| CN4<br>CN15<br>CN16<br>CN17<br>CN18             | 35                   |           | E40-4908-05<br>E40-3249-05<br>E40-4902-05<br>E40-4902-05<br>E40-4607-05       | FLAT CABLE CONNECTOR<br>PIN ASSY<br>FLAT CABLE CONNECTOR<br>FLAT CABLE CONNECTOR<br>FLAT CABLE CONNECTOR           | ET<br>MICXET            |          |
| J1 -3<br>J4<br>J5<br>J6<br>J6                   | 35                   |           | E63-0139-15<br>E63-0111-05<br>E11-0293-05<br>E03-0148-05<br>E03-0149-05       | PHONO JACK<br>PHONO JACK<br>MINIATURE PHONE JACK(2P)<br>AC OUTLET<br>AC OUTLET                                     | KPY<br>EMI              |          |
| J6<br>J6<br>J6<br>J7<br>W207                    | 10                   |           | E03-0310-05<br>E03-0325-05<br>E03-0330-05<br>E58-0018-05<br>E31-0001-00       | AC OUTLET<br>AC OUTLET<br>AC OUTLET<br>RECTANGULAR RECEPTACLE<br>JUMPER WIRE                                       | T<br>X<br>C             |          |
| W228                                            | 10                   |           | E31-0001-00                                                                   | JUMPER WIRE                                                                                                        |                         |          |
| F1<br>F2 ,3<br>F2 ,3<br>F2 ,3                   |                      |           | F05-2525-05<br>F05-8013-05<br>F05-8013-05<br>F50-0067-05                      | FUSE (SEMKO) (250V T2.5AL)<br>FUSE (SEMKO) (250V T800MAL)<br>FUSE (SEMKO) (250V T800MAL)<br>FUSE (5X20)            | ET<br>MICX<br>YTE<br>KP |          |
| CN5 ,6<br>CN11-14<br>E10                        |                      |           | J13-0075-05<br>J13-0075-05<br>J11-0808-05                                     | FUSE CLIP<br>FUSE CLIP<br>WIRE CLAMPER                                                                             | ET                      |          |
| X1<br>X2<br>X4<br>X5                            |                      | *         | L78-0284-05<br>L77-2173-05<br>L78-0674-05<br>L78-0290-05                      | RESONATOR (5MHZ)<br>CRYSTAL RESONATOR(32.768KHZ)<br>RESONATOR<br>RESONATOR (8MHZ)                                  |                         |          |
| CP2<br>CP3<br>CP4<br>CP5<br>CP6                 |                      |           | R90-0860-05<br>R90-0812-05<br>R90-0864-05<br>R90-0892-05<br>R90-0855-05       | MULTI-COMP 4.7K X1 1<br>MULTI-COMP 10KX10 J 1/6W<br>MULTI-COMP 100KX14<br>MULTI-COMP 4.7KX5<br>MULTI-COMP 100KX5 J |                         |          |
| CP7<br>R37 ,38<br>R39 ,40<br>R41 ,42<br>R43 ,44 | 35<br>35<br>35<br>35 |           | R90-0482-05<br>RD14BB2C102J<br>RD14BB2C224J<br>RD14BB2C102J<br>RD14BB2C224J   | MULTI-COMP 100KX4 J 1/6W<br>RD 1.0K J 1/6W<br>RD 220K J 1/6W<br>RD 1.0K J 1/6W<br>RD 220K J 1/6W                   |                         |          |
| R45 ,46                                         | 35                   |           | RD14BB2C102J                                                                  | RD 1.0K J 1/6W                                                                                                     |                         |          |

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|-------------------------------------------|---------------|-----------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------|----------|
| R47 ,48<br>R68<br>R97<br>R186-189<br>R203 | 35<br>35<br>3 |           | RD14BB2C224J<br>RD14NB2E681J<br>RD14BB2C100J<br>RD14BB2C221J<br>RS14KB3D100J | RD 220K J 1/6W<br>RD 680 J 1/4W<br>RD 10 J 1/6W<br>RD 220 J 1/6W<br>FL-PROOF RS 10 J 2W                     | MICX                               |          |
| R228<br>R232<br>R233,234<br>R236<br>R237  | 3             |           | RS14KB3D181J<br>R92-1769-05<br>RD14BB2E511J<br>RD14KB3D471J<br>RS14KB3D331J  | FL-PROOF RS 180 J 2W<br>CARBON 3.3M J 1/2W<br>RD 510 J 1/4W<br>FL-PROOF RS 470 J 2W<br>FL-PROOF RS 330 J 2W | KP<br>MICX                         |          |
| R239<br>R240<br>R241,242<br>R251<br>R255  | 3             |           | RS14KB3D331J<br>RS14KB3D471J<br>RD14NB2E1R0J<br>RD14KB3D102J<br>RS14KB3D1R2J | FL-PROOF RS 330 J 2W<br>FL-PROOF RS 470 J 2W<br>RD 1 J 1/4W<br>RD 1.0K J 1/6W<br>FL-PROOF RS 1.2 J 2W       | MICX<br>ET                         |          |
| R255<br>R256<br>R257<br>R258<br>R259      | 3             |           | RS14KB3D1R2J<br>RD14NB2E4R7J<br>RS14KB3A1R0J<br>RS14KB3A470J<br>RD14NB2E100J | FL-PROOF RS 1.2 J 2W<br>RD 4.7 J 1/4W<br>FL-PROOF RS 1 J 1W<br>FL-PROOF RS 47 J 1W<br>RD 10 J 1/4W          | MICX                               |          |
| R265<br>R268                              | 3<br>3        |           | RD14BB2C103J<br>RD14BB2C101J                                                 | RD 10K J 1/6W<br>RD 100 J 1/6W                                                                              | MICX<br>MICX                       |          |
| S1                                        |               |           | S62-0001-05                                                                  | SLIDE SWITCH                                                                                                | YMI                                |          |
| D1 -6<br>D1 -6<br>D11<br>D11<br>D13       |               |           | HSS104A<br>1SS131<br>HSS104A<br>1SS131<br>HSS104A                            | DIODE<br>DIODE<br>DIODE<br>DIODE<br>DIODE                                                                   | YMIC<br>YMIC<br>ET                 |          |
| D13<br>D14<br>D14<br>D15<br>D15           |               |           | 1SS131<br>HSS104A<br>1SS131<br>HSS104A<br>1SS131                             | DIODE<br>DIODE<br>DIODE<br>DIODE<br>DIODE                                                                   | ET<br>TX<br>TX<br>YEMICX<br>YEMICX |          |
| D16<br>D16<br>D21 -24<br>D21 -24<br>D26   | 35<br>35      |           | HSS104A<br>1SS131<br>S5688B<br>1SR139-400<br>HZS5.1S(B2)                     | DIODE<br>DIODE<br>DIODE<br>DIODE<br>ZENER DIODE                                                             | ETMICX<br>ETMICX                   |          |
| D26<br>D27<br>D27<br>D27<br>D28<br>D28    |               |           | RD5.1JS(B2)<br>HSS104A<br>1SS131<br>HZS2.7N(B2)<br>MTZJ2.7(B)                | ZENER DIODE<br>DIODE<br>DIODE<br>ZENER DIODE<br>ZENER DIODE                                                 |                                    |          |
| D28<br>D28<br>D29 ,30<br>D29 ,30<br>D31   |               |           | RD2.7ES(B2)<br>UZ-2.7BSB<br>HSS104A<br>1SS131<br>S5688B                      | ZENER DIODE<br>ZENER DIODE<br>DIODE<br>DIODE<br>DIODE                                                       |                                    |          |
| D31<br>D32<br>D32<br>D33<br>D33           |               |           | 1SR139-400<br>HSS104A<br>1SS131<br>HZS5.6N(B2)<br>MTZJ5.6(B)                 | DIODE<br>DIODE<br>DIODE<br>ZENER DIODE<br>ZENER DIODE                                                       |                                    |          |

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|---------|----------|-----------|-------------|---------------|--------------|----------|
| Δ D33   |          |           | RD5.6ES(B2) | ZENER DIODE   |              |          |
| Δ D33   |          |           | UZ-5.6BSB   | ZENER DIODE   |              |          |
| D34     |          |           | S5688B      | DIODE         |              |          |
| D34     |          |           | 1SR139-400  | DIODE         |              |          |
| D35     |          |           | HZS16N(B2)  | ZENER DIODE   |              |          |
| D35     |          |           | MTZJ16(B)   | ZENER DIODE   |              |          |
| D35     |          |           | RD16ES(B2)  | ZENER DIODE   |              |          |
| D35     |          |           | UZ-16BSB    | ZENER DIODE   |              |          |
| D36     |          |           | HZS18N(B2)  | ZENER DIODE   |              |          |
| D36     |          |           | MTZJ18(B)   | ZENER DIODE   |              |          |
| D36     |          |           | RD18ES(B2)  | ZENER DIODE   |              |          |
| D36     |          |           | UZ-18BSB    | ZENER DIODE   |              |          |
| D37 -39 |          |           | HSS104A     | DIODE         |              |          |
| D37 -39 |          |           | 1SS131      | DIODE         |              |          |
| D41     |          |           | HZS6.2N(B2) | ZENER DIODE   |              |          |
| D41     |          |           | MTZJ6.2(B)  | ZENER DIODE   |              |          |
| D41     |          |           | RD6.2ES(B2) | ZENER DIODE   |              |          |
| D41     |          |           | UZ-6.2BSB   | ZENER DIODE   |              |          |
| D42     |          |           | HZS10N(B)   | ZENER DIODE   |              |          |
| D42     |          |           | MTZJ10(B)   | ZENER DIODE   |              |          |
| D42     |          |           | RD10ES(B)   | ZENER DIODE   |              |          |
| D42     |          |           | UZ-10BSB    | ZENER DIODE   |              |          |
| D43     |          |           | HZS3.9N(B2) | ZENER DIODE   |              |          |
| D43     |          |           | MTZJ3.9(B)  | ZENER DIODE   |              |          |
| D43     |          |           | RD3.9ES(B2) | ZENER DIODE   |              |          |
| D43     |          |           | UZ-3.9BSB   | ZENER DIODE   |              |          |
| D44 -46 |          |           | HSS104A     | DIODE         |              |          |
| D44 -46 |          |           | 1SS131      | DIODE         |              |          |
| D47     |          |           | S5688B      | DIODE         |              |          |
| D47     |          |           | 1SR139-400  | DIODE         |              |          |
| D48     |          |           | HSS104A     | DIODE         |              |          |
| D48     |          |           | 1SS131      | DIODE         |              |          |
| D49     |          |           | HZS8.2N(B2) | ZENER DIODE   |              |          |
| D49     |          |           | MTZJ8.2(B)  | ZENER DIODE   |              |          |
| D49     |          |           | RD8.2ES(B2) | ZENER DIODE   |              |          |
| D49     |          |           | UZ-8.2BSB   | ZENER DIODE   |              |          |
| D50 ,51 |          |           | HZS10N(B2)  | ZENER DIODE   |              |          |
| D50 ,51 |          |           | MTZJ10(B)   | ZENER DIODE   |              |          |
| D50 ,51 |          |           | RD10ES(B2)  | ZENER DIODE   |              |          |
| D50 ,51 |          |           | UZ-10BSB    | ZENER DIODE   |              |          |
| D52     |          |           | HZS6.2N(B2) | ZENER DIODE   |              |          |
| D52     |          |           | MTZJ6.2(B)  | ZENER DIODE   |              |          |
| D52     |          |           | RD6.2ES(B2) | ZENER DIODE   |              |          |
| D52     |          |           | UZ-6.2BSB   | ZENER DIODE   |              |          |
| D53     |          |           | HZS5.1S(B2) | ZENER DIODE   |              |          |
| D53     |          |           | RD5.1JS(B2) | ZENER DIODE   |              |          |
| D54 -60 |          |           | HSS104A     | DIODE         |              |          |
| D54 -60 |          |           | 1SS131      | DIODE         |              |          |
| D61     | 3        |           | HZS8.2S(B2) | ZENER DIODE   | ET<br>MICX   |          |
| D61     | 3        |           | HZS8.2S(B2) | ZENER DIODE   | ET<br>MICX   |          |
| D61     | 3        |           | RD8.2JS(B2) | ZENER DIODE   | ET<br>MICX   |          |
| D61     | 3        |           | RD8.2JS(B2) | ZENER DIODE   | ET<br>MICX   |          |
| IC1     |          |           | NJU7312AL   | ANALOGUE IC   |              |          |
| IC2     |          |           | NJU7311AL   | ANALOGUE IC   |              |          |
| IC3     |          |           | NJM4565D-D  | IC(OP AMP X2) |              |          |

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|------------------|----------|-----------|----------------|--------------------|-------------------|----------|
| IC4              |          |           | LA2786         | ANALOGUE IC        |                   |          |
| IC5              |          |           | LV1016         | DI BI-POLAR IC     |                   |          |
| IC6              |          | *         | UPD780205GF031 | MI-COM IC          | KPY<br>MICX<br>ET |          |
| IC6              |          | *         | UPD780205GF031 | MI-COM IC          |                   |          |
| IC6              |          | *         | UPD780206GF019 | MI-COM IC          |                   |          |
| IC7              |          | *         | UPD17215GT-737 | MI-COM IC          |                   |          |
| IC9              |          |           | S-806D-Z       | ANALOGUE IC        |                   |          |
| IC10             | 3        |           | TA8409S        | MOS-IC             | ET<br>MICX        |          |
| IC10             | 3        |           | TA8409S        | MOS-IC             |                   |          |
| IC11             | 3        |           | NJM4558D       | ANALOGUE IC        |                   |          |
| Q1 ,2            |          |           | 2SC2878(B)     | TRANSISTOR         |                   |          |
| Q3               |          |           | 2SA1048(Y,GR)  | TRANSISTOR         | YMIC              |          |
| Q3               |          |           | 2SA1175(F,E)   | TRANSISTOR         | YMIC              |          |
| Q3               |          |           | 2SA1309A(Q,R)  | TRANSISTOR         | YMIC              |          |
| Q3               |          |           | 2SA933AS(Q,R)  | TRANSISTOR         | YMIC              |          |
| Δ Q4             |          |           | 2SD1894        | TRANSISTOR         |                   |          |
| Q6 ,7            |          |           | DTC124ESA      | DIGITAL TRANSISTOR | YMIC              |          |
| Q6 ,7            |          |           | UN4212         | DIGITAL TRANSISTOR | YMIC              |          |
| Δ Q8             |          |           | 2SB1370(E,F)   | TRANSISTOR         |                   |          |
| Δ Q8             |          |           | 2SB1375        | TRANSISTOR         |                   |          |
| Δ Q10            |          |           | 2SD2061        | TRANSISTOR         | ET<br>MICX        |          |
| Δ Q10            | 3        |           | 2SD2061        | TRANSISTOR         |                   |          |
| Δ Q11            | 3        |           | 2SB1370(E,F)   | TRANSISTOR         |                   |          |
| Δ Q11            | 3        |           | 2SB1375        | TRANSISTOR         |                   |          |
| Q12              |          |           | 2SC1740S(Q,R)  | TRANSISTOR         |                   |          |
| Q12              |          |           | 2SC2458(Y,GR)  | TRANSISTOR         |                   |          |
| Q12              |          |           | 2SC2785(F,E)   | TRANSISTOR         |                   |          |
| Q12              |          |           | 2SC3311A(Q,R)  | TRANSISTOR         |                   |          |
| Δ Q13            |          |           | 2SD2061        | TRANSISTOR         |                   |          |
| Q14              |          |           | 2SC2003(L,K)   | TRANSISTOR         |                   |          |
| Q15              |          |           | 2SA1048(Y,GR)  | TRANSISTOR         |                   |          |
| Q15              |          |           | 2SA1175(F,E)   | TRANSISTOR         |                   |          |
| Q15              |          |           | 2SA1309A(Q,R)  | TRANSISTOR         |                   |          |
| Q15              |          |           | 2SA933AS(Q,R)  | TRANSISTOR         |                   |          |
| Δ Q16            |          |           | 2SD2061        | TRANSISTOR         |                   |          |
| Q17              |          |           | 2SC1740S(Q,R)  | TRANSISTOR         |                   |          |
| Q17              |          |           | 2SC2458(Y,GR)  | TRANSISTOR         |                   |          |
| Q17              |          |           | 2SC2785(F,E)   | TRANSISTOR         |                   |          |
| Q17              |          |           | 2SC3311A(Q,R)  | TRANSISTOR         |                   |          |
| Q18              |          |           | 2SB1370(E,F)   | TRANSISTOR         |                   |          |
| Q18              |          |           | 2SB1375        | TRANSISTOR         |                   |          |
| Δ Q19            |          |           | 2SD2061        | TRANSISTOR         | ET<br>MICX        |          |
| Δ Q19            | 3        |           | 2SD2061        | TRANSISTOR         |                   |          |
| SUB(X13-7522-70) |          |           |                |                    |                   |          |
| C1               |          |           | CE04KW1V100M   | ELECTRO            | 10UF              | 35WV     |
| C2               |          |           | CE04KW1A101M   | ELECTRO            | 100UF             | 10WV     |
| C3 ,4            |          |           | CE04KW1C220M   | ELECTRO            | 22UF              | 16WV     |
| C5               |          |           | CQ93FMG1H102J  | MYLAR              | 1000PF            | J        |
| C6               |          |           | CQ93FMG1H182J  | MYLAR              | 1800PF            | J        |
| C7               |          |           | CQ93FMG1H103J  | MYLAR              | 0.010UF           | J        |
| C8               |          |           | CE04KW1A101M   | ELECTRO            | 100UF             | 10WV     |
| C9 ,10           |          |           | CC45FCH1H270J  | CERAMIC            | 27PF              | J        |
| C11              |          |           | CK45FF1H103Z   | CERAMIC            | 0.010UF           | Z        |
| C12              |          |           | CE04KW1H010M   | ELECTRO            | 1.0UF             | 50WV     |

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|---------------------------------------------------------------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|
| C21<br>C22<br>C23<br>C24<br>C25                                                 |          |           | CE04KW1H2R2M<br>CC45FSL1H331J<br>CK45FB1H561K<br>CK45FF1H103Z<br>CC45FCH1H330J                                                                                         | ELECTRO 2.2UF 50WV<br>CERAMIC 330PF J<br>CERAMIC 560PF K<br>CERAMIC 0.010UF Z<br>CERAMIC 33PF J                                                                                                               |              |          |
| C26<br>C27<br>C28                                                               |          |           | CC45FCH1H390J<br>CK45FF1H103Z<br>CE04KW1A101M                                                                                                                          | CERAMIC 39PF J<br>CERAMIC 0.010UF Z<br>ELECTRO 100UF 10WV                                                                                                                                                     |              |          |
| CN1<br>CN2                                                                      |          |           | E40-4808-05<br>E40-4294-05                                                                                                                                             | PIN ASSY<br>FLAT CABLE CONNECTOR                                                                                                                                                                              |              |          |
| L1<br>L2<br>X1<br>X2                                                            |          |           | L40-1001-17<br>L40-1091-17<br>L78-0626-05<br>L77-2200-05                                                                                                               | SMALL FIXED INDUCTOR(10UH,K)<br>SMALL FIXED INDUCTOR<br>RESONATOR (16M)<br>CRYSTAL RESONATOR(4.332MHZ)                                                                                                        |              |          |
| R33                                                                             |          |           | RD14NB2E101J                                                                                                                                                           | RD 100 J 1/4W                                                                                                                                                                                                 |              |          |
| D1 -8<br>D1 -8<br>IC1<br>IC2<br>Q1                                              |          | *         | HSS104A<br>1SS131<br>RF5S830-0021<br>SAA6579<br>2SC2458(Y,GR)                                                                                                          | DIODE<br>DIODE<br>MOS-IC<br>ANALOGUE IC<br>TRANSISTOR                                                                                                                                                         |              |          |
| Q1<br>Q2<br>Q2<br>Q3                                                            |          |           | 2SC3311A(Q,R)<br>2SA1048(Y,GR)<br>2SA1309A(Q,R)<br>2SC2878(B)                                                                                                          | TRANSISTOR<br>TRANSISTOR<br>TRANSISTOR<br>TRANSISTOR                                                                                                                                                          |              |          |
| SUB(X13-7562-70 / X13-7570-20)                                                  |          |           |                                                                                                                                                                        |                                                                                                                                                                                                               |              |          |
| C1 ,2<br>C3 -6<br>C7<br>C8<br>C9 ,10                                            |          |           | CE04KW1H100M<br>CC45FSL1H101J<br>CQ93FMG1H103J<br>CQ93FMG1H102J<br>CC45FSL1H101J                                                                                       | ELECTRO 10UF 50WV<br>CERAMIC 100PF J<br>MYLAR 0.010UF J<br>MYLAR 1000PF J<br>CERAMIC 100PF J                                                                                                                  |              |          |
| C11<br>C12<br>C13<br>C14<br>C15                                                 |          |           | CE04KW1H100M<br>CC45FSL1H101J<br>CK45FB1H102K<br>CQ93FMG1H103J<br>CQ93FMG1H102J                                                                                        | ELECTRO 10UF 50WV<br>CERAMIC 100PF J<br>CERAMIC 1000PF K<br>MYLAR 0.010UF J<br>MYLAR 1000PF J                                                                                                                 |              |          |
| CN1 -3<br>IC1 ,2                                                                |          |           | E40-8180-05<br>NJM4565D-D                                                                                                                                              | PIN ASSY<br>IC(OP AMP X2)                                                                                                                                                                                     |              |          |
| DISPLAY(X14-4360-10 / X14-4500-20)                                              |          |           |                                                                                                                                                                        |                                                                                                                                                                                                               |              |          |
| C1 ,2<br>CN1<br>CN2<br>CN4<br>-<br>R1<br>R50 -76<br>R77<br>R78<br>S1 -15<br>S30 |          |           | CE04KW1A101M<br>E40-4940-05<br>E40-8086-05<br>E40-4808-05<br>J19-5793-03<br>RD14NB2E470J<br>RK73FB2A104J<br>RK73FB2A102J<br>RK73FB2A103J<br>S70-0031-05<br>T99-0559-05 | ELECTRO 100UF 10WV<br>FLAT CABLE CONNECTOR<br>FLAT CABLE CONNECTOR<br>PIN ASSY<br>HOLDER<br>RD 47 J 1/4W<br>CHIP R 100K J 1/10W<br>CHIP R 1.0K J 1/10W<br>CHIP R 10K J 1/10W<br>TACT SWITCH<br>ROTARY ENCODER |              |          |

L : Scandinavia    K : USA    P : Canada    R : Mexico    3 : C-V300    35 : C-V300/V350  
Y : PX(Far East, Hawaii)    T : Europe    E : Europe    G : Germany    10 : C-V100    350 : C-V350  
Y : AAFES(Europe)    X : Australia    M : Other Areas    Q : Russia    15 : C-V100/V150

⚠ indicates safety critical components.

\* 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.

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| Ref. No                                    | Add-ress            | New Parts | Parts No.                                                                    | Description                                                                                              | Desti-nation | Re-marks |
|--------------------------------------------|---------------------|-----------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------|----------|
| ED1<br>Q1<br>Q5 -14<br>Q5 -14<br>Q15       |                     | *         | 20U64100SA<br>2SC3246<br>DTA113ZUA<br>UN5119<br>2SA1576A(R,S)                | INDICATOR TUBE<br>TRANSISTOR<br>DIGITAL TRANSISTOR<br>DIGITAL TRANSISTOR<br>TRANSISTOR                   | KPY          |          |
| Q15<br>Q15<br>Q16 -31<br>Q16 -31           |                     |           | 2SA1586(Y,GR)<br>2SB1218A(Q,R)<br>DTA113ZUA<br>UN5119                        | TRANSISTOR<br>TRANSISTOR<br>DIGITAL TRANSISTOR<br>DIGITAL TRANSISTOR                                     | MICX         |          |
| A1                                         |                     | *         | W02-2598-05                                                                  | OPTIC RECEIVING MODULE                                                                                   |              |          |
| DISPLAY(X14-4372-70 / X14-4510-20)         |                     |           |                                                                              |                                                                                                          |              |          |
| D1 -10<br>D11 ,12<br>D13<br>D14            | 3<br>15             | *         | B30-2508-05<br>B30-2519-05<br>B30-2493-05<br>B30-2507-05                     | LED(AMBER,D=3,P=2)<br>LED(INFRARED,D=5,)<br>LED(RED)<br>LED(RED/GRN,D=5)                                 |              |          |
| C1 ,2                                      |                     |           | CE04KW1A101M                                                                 | ELECTRO 100UF 10WV                                                                                       |              |          |
| CN1<br>CN2<br>CN4<br>CN5<br>CN6            | 15<br>3<br>15       |           | E40-4946-05<br>E40-4956-05<br>E40-4944-05<br>E40-4609-05<br>E40-4293-05      | FLAT CABLE CONNECTOR<br>FLAT CABLE CONNECTOR<br>FLAT CABLE CONNECTOR<br>PIN ASSY<br>FLAT CABLE CONNECTOR |              |          |
| W1<br>W2                                   | 3<br>15             |           | E31-0001-00<br>E31-0001-00                                                   | JUMPER WIRE<br>JUMPER WIRE                                                                               |              |          |
| -<br>E6                                    | 15                  | *         | J19-5793-03<br>J19-3288-05                                                   | HOLDER<br>LEAD HOLDER                                                                                    |              |          |
| R1<br>R11 ,12<br>R13 ,14<br>R15 ,16<br>R22 | 15<br>15<br>15<br>3 |           | RD14NB2E470J<br>RD14BB2C103J<br>RD14BB2C222J<br>RD14BB2C221J<br>RD14BB2C561J | RD 47 J 1/4W<br>RD 10K J 1/6W<br>RD 2.2K J 1/6W<br>RD 220 J 1/6W<br>RD 560 J 1/6W                        |              |          |
| R26 ,27<br>R50 -76<br>R77<br>R78           | 15                  |           | RD14BB2C101J<br>RK73FB2A104J<br>RK73FB2A102J<br>RK73FB2A103J                 | RD 100 J 1/6W<br>CHIP R 100K J 1/10W<br>CHIP R 1.0K J 1/10W<br>CHIP R 10K J 1/10W                        |              |          |
| S1 -16<br>S17 -20<br>S21 -24<br>S25 ,26    | 15<br>15            |           | S70-0031-05<br>S70-0031-05<br>S70-0031-05<br>S70-0031-05                     | TACT SWITCH<br>TACT SWITCH<br>TACT SWITCH<br>TACT SWITCH                                                 |              |          |
| S30                                        |                     |           | T99-0559-05                                                                  | ROTARY ENCODER                                                                                           |              |          |
| ED1<br>Q1<br>Q2<br>Q3 ,4<br>Q3 ,4          | 15<br>15            | *         | 20U64100SA<br>2SC3246<br>2SC2003(L,K)<br>2SA1175(F,E)<br>2SA933AS(Q,R)       | INDICATOR TUBE<br>TRANSISTOR<br>TRANSISTOR<br>TRANSISTOR<br>TRANSISTOR                                   |              |          |
| Q5 -14<br>Q5 -14<br>Q15<br>Q15<br>Q15      | 15<br>3             |           | DTA113ZUA<br>UN5119<br>2SA1576A(R,S)<br>2SA1586(Y,GR)<br>2SB1218A(Q,R)       | DIGITAL TRANSISTOR<br>DIGITAL TRANSISTOR<br>TRANSISTOR<br>TRANSISTOR<br>TRANSISTOR                       |              |          |
| Q16 -31<br>Q16 -31<br>A1                   |                     | *         | DTA113ZUA<br>UN5119<br>W02-2598-05                                           | DIGITAL TRANSISTOR<br>DIGITAL TRANSISTOR<br>OPTIC RECEIVING MODULE                                       |              |          |

L : Scandinavia    K : USA    P : Canada    R : Mexico    3 : C-V300    35 : C-V300/V350  
Y : PX(Far East, Hawaii)    T : Europe    E : Europe    G : Germany    10 : C-V100    350 : C-V350  
Y : AAFES(Europe)    X : Australia    M : Other Areas    Q : Russia    15 : C-V100/V150

⚠ indicates safety critical components.

# SPECIFICATIONS

## For C-V350

### Audio section

Total harmonic distortion (1 kHz, 1V) .....0.01 %  
Signal to noise ratio (IHF'66)  
CD .....93 dB  
Input sensitivity / impedance  
CD ..... 200 mV / 47k $\Omega$   
Tone controls  
BASS .....  $\pm 8$  dB (at 100 Hz)  
TREBLE .....  $\pm 8$  dB (at 10 kHz)  
Output level / impedance  
TAPE REC ..... 200 mV / 1 k $\Omega$

### Video section

VIDEO inputs / outputs  
(composite) .....1 Vp-p/75  $\Omega$

### FM Tuner section

Tuning frequency range ..... 87.5 MHz~108 MHz  
Usable sensitivity (DIN)  
MONO ..... 1.2  $\mu$ V (at 75  $\Omega$ ) / 13.2 dBf  
(40 kHz dev., S/N 26 dB)  
STEREO ..... 35  $\mu$ V (at 75  $\Omega$ ) / 42 dBf  
(46 kHz dev., S/N 46 dB)  
Signal to noise ratio (DIN weighted at 1 kHz, 40 kHz dev.)  
MONO ..... 65 dB (65.2 dBf input)  
STEREO ..... 60 dB (65.2 dBf input)  
Selectivity (DIN  $\pm 300$  kHz) ..... 64 dB  
Stereo separation (DIN, 1 kHz) ..... 36 dB  
Frequency response .....30 Hz~15 kHz, + 0.5 dB, - 3.0 dB

### MW Tuner section

Tuning frequency range ..... 531 kHz ~ 1,602 kHz  
Usable sensitivity  
(30% mod., S/N 20 dB) ..... 20  $\mu$ V / (700  $\mu$ V / m)  
Signal to noise ratio  
(at 30% mod. 1mV input) ..... 48 dB

### LW Tuner section

Tuning frequency range ..... 153 kHz ~ 279 kHz  
Usable sensitivity  
(30% mod., S/N 20 dB) ..... 35  $\mu$ V  
Signal to noise ratio  
(at 30% mod. 1mV input) ..... 45 dB

### General

Power consumption ..... 25 W  
AC outlet  
UN SWITCHED ..... 2 : (Total 100 W max)  
Dimensions ..... W : 400 mm  
H : 105 mm  
D : 382 mm  
Weight (net) ..... 5.2 kg

## For C-V150

### Audio section

Total harmonic distortion (1 kHz, 1V) .....0.01 %  
Signal to noise ratio (IHF'66)  
CD .....93 dB  
Input sensitivity / impedance  
CD ..... 200 mV / 47k $\Omega$   
Tone controls  
BASS .....  $\pm 8$  dB (at 100 Hz)  
TREBLE .....  $\pm 8$  dB (at 10 kHz)  
Output level / impedance  
TAPE REC ..... 200 mV / 1 k $\Omega$

### Video section

VIDEO inputs / outputs  
(composite) .....1 Vp-p/75  $\Omega$

### FM Tuner section

Tuning frequency range ..... 87.5 MHz~108 MHz  
Usable sensitivity (DIN)  
MONO ..... 1.2  $\mu$ V (at 75  $\Omega$ ) / 13.2 dBf  
(40 kHz dev., S/N 26 dB)  
STEREO ..... 35  $\mu$ V (at 75  $\Omega$ ) / 42 dBf  
(46 kHz dev., S/N 46 dB)  
Signal to noise ratio (DIN weighted at 1 kHz, 40 kHz dev.)  
MONO ..... 65 dB (65.2 dBf input)  
STEREO ..... 60 dB (65.2 dBf input)  
Selectivity (DIN  $\pm 300$  kHz) ..... 64 dB  
Stereo separation (DIN, 1 kHz) ..... 36 dB  
Frequency response .....30 Hz~15 kHz, + 0.5 dB, - 3.0 dB

### MW Tuner section

Tuning frequency range ..... 531 kHz ~ 1,602 kHz  
Usable sensitivity  
(30% mod., S/N 20 dB) ..... 20  $\mu$ V / (700  $\mu$ V / m)  
Signal to noise ratio  
(at 30% mod. 1mV input) ..... 48 dB

### LW Tuner section

Tuning frequency range ..... 153 kHz ~ 279 kHz  
Usable sensitivity  
(30% mod., S/N 20 dB) ..... 35  $\mu$ V  
Signal to noise ratio  
(at 30% mod. 1mV input) ..... 45 dB

### General

Power consumption ..... 25 W  
AC outlet  
UN SWITCHED ..... 2 : (Total 100 W max)  
Dimensions ..... W : 400 mm  
H : 105 mm  
D : 382 mm  
Weight (net) ..... 5.2 kg



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Full performance may not be exhibited in extremely cold locations (below 0 deg.C).

## SPECIFICATIONS

***For C-V300***

### ***Audio section***

|                                       |                        |
|---------------------------------------|------------------------|
| Total harmonic distortion (1 kHz, 1V) | 0.01 %                 |
| Signal to noise ratio (IHF'66)        |                        |
| CD                                    | 93 dB                  |
| Input sensitivity / impedance         |                        |
| CD                                    | 200 mV / 47k $\Omega$  |
| Tone controls                         |                        |
| BASS                                  | $\pm 8$ dB (at 100 Hz) |
| TREBLE                                | $\pm 8$ dB (at 10 kHz) |
| Output level / impedance              |                        |
| TAPE REC                              | 200 mV / 1 k $\Omega$  |

## Video section

VIDEO inputs / outputs  
(composite) ..... 1 Vp-p/75 Ω

### FM Tuner section

|                                            |                                                           |
|--------------------------------------------|-----------------------------------------------------------|
| Tuning frequency range .....               | 87.5 MHz~108 MHz                                          |
| Usable sensitivity                         |                                                           |
| MONO .....                                 | 1.6 V (at 75 Ω) / 15.2 dBf<br>(75 kHz dev., SINAD. 30 dB) |
| 50dB quieting sensitivity                  |                                                           |
| STEREO .....                               | 31.6 μV (at 75 Ω) / 41.2 dBf<br>(75 kHz dev.)             |
| Signal to noise ratio (1 kHz, 75 kHz dev.) |                                                           |
| MONO .....                                 | 75 dB (65.2 dBf input)                                    |
| STEREO .....                               | 68 dB (65.2 dBf input)                                    |
| Selectivity (IHF ± 400 kHz) .....          | 50 dB                                                     |
| Stereo separation (1 kHz) .....            | 40 dB                                                     |
| Frequency response .....                   | 30 Hz~15 kHz, + 0.5 dB, - 3.0 dB                          |

### ***AM Tuner section***

Tuning frequency range ..... (9 kHz) 531 kHz ~ 1,602 kHz  
(10 kHz) 530 kHz ~ 1,610 kHz

Usable sensitivity  
(30% mod., S/N 20 dB) ..... 16  $\pm$  V / (600  $\mu$  / m)

Signal to noise ratio  
(at 30% mod. 1mV input) ..... 48 dB

## General

|                        |                            |
|------------------------|----------------------------|
| Power consumption..... | 25 W                       |
| AC outlet .....        | 2: (Total 100 W max)       |
|                        | (Australia 1 : (100 W max) |
| Dimensions .....       | W : 400 mm                 |
|                        | H : 105 mm                 |
|                        | D : 382 mm                 |
| Weight (net) .....     | 5.2 kg                     |

***For C-V100***

***(Except U.S.A. and Canada)***

### **Audio section**

|                                       |                        |
|---------------------------------------|------------------------|
| Total harmonic distortion (1 kHz, 1V) | 0.01 %                 |
| Signal to noise ratio (IHF'66)        |                        |
| CD                                    | 93 dB                  |
| Input sensitivity / impedance         |                        |
| CD                                    | 200 mV / 47k $\Omega$  |
| Tone controls                         |                        |
| BASS                                  | $\pm 8$ dB (at 100 Hz) |
| TREBLE                                | $\pm 8$ dB (at 10 kHz) |
| Output level / impedance              |                        |
| TAPE REC                              | 200 mV / 1 k $\Omega$  |

## Video section

VIDEO inputs / outputs  
(composite) ..... 1 Vp-p/75  $\Omega$

### FM Tuner section

|                                            |                                                                         |
|--------------------------------------------|-------------------------------------------------------------------------|
| Tuning frequency range .....               | 87.5 MHz~108 MHz                                                        |
| Usable sensitivity                         |                                                                         |
| MONO.....                                  | 1.6 $\mu$ V (at 75 $\Omega$ ) / 15.2 dBf<br>(75 kHz dev., SINAD. 30 dB) |
| 50dB quieting sensitivity                  |                                                                         |
| STEREO .....                               | 31.6 $\mu$ V (at 75 $\Omega$ ) / 41.2 dBf<br>(75 kHz dev.)              |
| Signal to noise ratio (1 kHz, 75 kHz dev.) |                                                                         |
| MONO .....                                 | 75 dB (65.2 dBf input)                                                  |
| STEREO .....                               | 68 dB (65.2 dBf input)                                                  |
| Selectivity (IHF $\pm$ 400 kHz).....       | 50 dB                                                                   |
| Stereo separation (1 kHz).....             | 40 dB                                                                   |
| Frequency response.....                    | 30 Hz~15 kHz, + 0.5 dB, - 3.0 dB                                        |

### AM Tuner section

|                                                        |                                |
|--------------------------------------------------------|--------------------------------|
| Tuning frequency range .....                           | (9 kHz) 531 kHz ~ 1,602 kHz    |
|                                                        | (10 kHz) 530 kHz ~ 1,610 kHz   |
| Usable sensitivity<br>(30% mod., S/N 20 dB) .....      | 16 $\mu$ V / (600 $\mu$ V / m) |
| Signal to noise ratio<br>(at 30% mod. 1mV input) ..... | 48 dB                          |

## General

Power consumption..... 25 W  
AC outlet ..... 2: (Total 100 W max)  
.....(Australia 1:(100 W max))  
Dimensions ..... W : 400 mm  
..... H : 105 mm  
..... D : 382 mm  
Weight (net) ..... 3.9 kg



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2. Full performance may not be exhibited in extremely cold locations (below 0 deg.C).

# SPECIFICATIONS

## For C-V100

(U.S.A. and Canada)

### Audio section

Total harmonic distortion (1 kHz, 1V) ..... 0.01 %  
Signal to noise ratio (IHF' 66)  
CD ..... 93 dB  
Input sensitivity / impedance  
CD ..... 200 mV / 47k $\Omega$   
Tone controls  
BASS .....  $\pm 8$  dB (at 100 Hz)  
TREBLE .....  $\pm 8$  dB (at 10 kHz)  
Output level / impedance  
TAPE REC ..... 200 mV / 1 k $\Omega$

### Video section

VIDEO inputs / outputs  
(composite) ..... 1 Vp-p/75  $\Omega$

### FM Tuner section

Tuning frequency range ..... 87.5 MHz~108 MHz  
Usable sensitivity  
MONO ..... 1.6  $\mu$ V (at 75  $\Omega$ ) / 15.2 dBf  
(75 kHz dev., SINAD. 30 dB)  
50dB quieting sensitivity  
STEREO ..... 31.6  $\mu$ V (at 75  $\Omega$ ) / 41.2 dBf  
(75 kHz dev.)

Signal to noise ratio (1 kHz, 75 kHz dev.)

MONO ..... 75 dB (65.2 dBf input)  
STEREO ..... 68 dB (65.2 dBf input)  
Selectivity (IHF  $\pm$  400 kHz) ..... 70 dB  
Stereo separation (1 kHz) ..... 40 dB  
Frequency response ..... 30 Hz~15 kHz, + 0.5 dB, - 3.0 dB

### AM Tuner section

Tuning frequency range ..... 530 kHz ~ 1,700 kHz  
Usable sensitivity  
(30% mod., S/N 20 dB) ..... 16  $\mu$ V / (600  $\mu$ V / m)  
Signal to noise ratio  
(at 30% mod. 1mV input) ..... 48 dB

### General

Power consumption ..... 25 W  
AC outlet  
UN SWITCHED ..... 2 : (Total 100 W max)  
Dimensions ..... W : 400 mm (15-3/4")  
H : 105 mm (4-1/8")  
D : 382 mm (15-1/16")  
Weight (net) ..... 3.9 kg (8.6 lb)



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#### 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.

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