

# STR-W555

## SERVICE MANUAL

AudioTeh.com - Free Schematic Diagrams and Service Manuals

*AEP Model  
UK Model  
E Model  
Australian Model  
Chinese Model  
Tourist Model*



STR-W555 is the tuner and amplifier section in MHC-W555.

Photo : E model

### SPECIFICATIONS

#### Amplifier section

DIN power output (rated) (Front)  
80 + 80 watts  
(6 ohms at 1 kHz)

Continuous RMS power output (reference)  
FRONT SPEAKER:  
100 + 100 watts  
(6 ohms at 1 kHz,  
10% THD)

Music power output (reference):  
190 + 190 watts  
(6 ohms at 1 kHz,  
10% THD)

Inputs  
MD/VIDEO 1 IN (phono  
jacks): voltage 450/250  
mV, impedance 47  
kilohms  
AV INPUT AUDIO  
(phono jacks):  
voltage 250 mV,  
impedance 47 kilohms  
MIX MIC (phono jacks):  
sensitivity 1 mV,  
impedance 10 kilohms

Outputs  
MD/VIDEO 1 OUT  
(phono jacks): voltage  
450/250 mV, impedance 1  
kilohm  
PHONES (stereo phone  
jack): accepts headphones  
of 8 ohms or more.  
FRONT SPEAKER:  
accepts impedance of 6 to  
16 ohms  
REAR SPEAKER: accepts  
impedance of 16 ohms.  
SUPER WOOFER:  
voltage 1 V, impedance  
1 kilohm

#### Video section

Inputs  
AV INPUT VIDEO  
(phono jack):  
1 Vp-p, 75 ohms

Outputs  
MONITOR OUT  
(phono jack):  
1 Vp-p, 75 ohms

#### Tuner section

FM stereo, FM/AM superheterodyne tuner

#### FM tuner section

Tuning range  
3 band type model: 87.5 – 108.0 MHz  
(50 kHz step)  
4 band type model: 65.0 – 74.0 MHz  
(10 kHz step)  
87.5 – 108.0 MHz  
(50 kHz step)

Aerial  
Aerial terminals  
Intermediate frequency  
FM lead aerial  
75 ohms unbalanced  
10.7 MHz

#### UKV tuner section (4 band type model only)

Tuning range  
65.0 – 74.0 MHz  
(10 kHz step)  
Polar Stereo

#### AM tuner section

Tuning range  
MW: (with interval set at  
9 kHz)  
3 band type model: 531 – 1,602 kHz  
531 – 1,602 kHz  
4 band type model: LW: 153 – 279 kHz  
(with interval set at 3 kHz)

Intermediate frequency  
Aerial  
450 kHz  
AM loop aerial  
External aerial terminal

#### General

Power requirements  
European, Thai, Israel,  
Chinese models : 220 V AC, 50/60 Hz  
Australian model : 240V AC, 50/60Hz  
Other models : 120V, 220V or 230-240V  
AC, 50/60Hz Adjustable  
with voltage selector  
220 watts

Power consumption  
Dimensions (w/h/d) : Approx. 288 x 205 x 375  
mm  
Mass : Approx. 7.8 kg

Design and specifications are subject to change  
without notice.

## FM STEREO/FM-AM RECEIVER



# SONY®

### Notes on chip component replacement














- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

### Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK  $\triangle$  OR DOTTED LINE WITH MARK  $\triangle$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MODEL	PRODUCT COUNTRY	POWER CORD	JACK (MIC2) (Refer to Fig 3)	LABEL MODEL NUMBER (Refer to Fig 1)	PTY button (Refer to Fig 2)
AEP	MALAYSIA		NOT USED	4-210-483-0□	USED
East European , CIS	MALAYSIA		NOT USED	4-210-483-0□	NOT USED
Saudi Arabia , Taiwan	MALAYSIA		NOT USED	4-210-481-0□	NOT USED
Singapore , Malaysia	MALAYSIA		NOT USED	4-210-479-0□	NOT USED
Saudi Arabia	JAPAN		USED	4-210-481-0□	NOT USED
Thai	THAI		NOT USED	4-210-482-0□	NOT USED
Israel	MALAYSIA		NOT USED	4-210-482-1□	NOT USED
Argentine	MALAYSIA		NOT USED	4-210-479-0□	NOT USED
Australian	MALAYSIA		NOT USED	4-210-480-0□	NOT USED
UK	MALAYSIA		NOT USED	4-210-483-1□	NOT USED
E	MALAYSIA		NOT USED	4-210-479-0□	NOT USED
Chinese	MALAYSIA		NOT USED	4-210-492-1□	NOT USED
Tourist	JAPAN		USED	4-210-481-0□	NOT USED

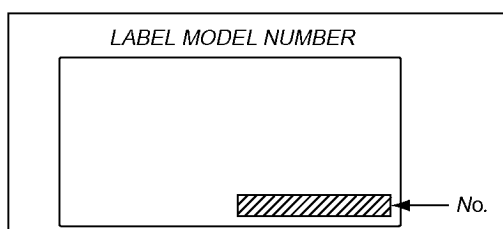


Fig 1.

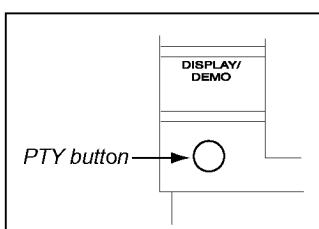


Fig 2.

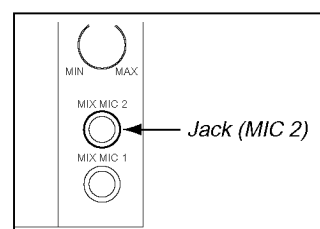


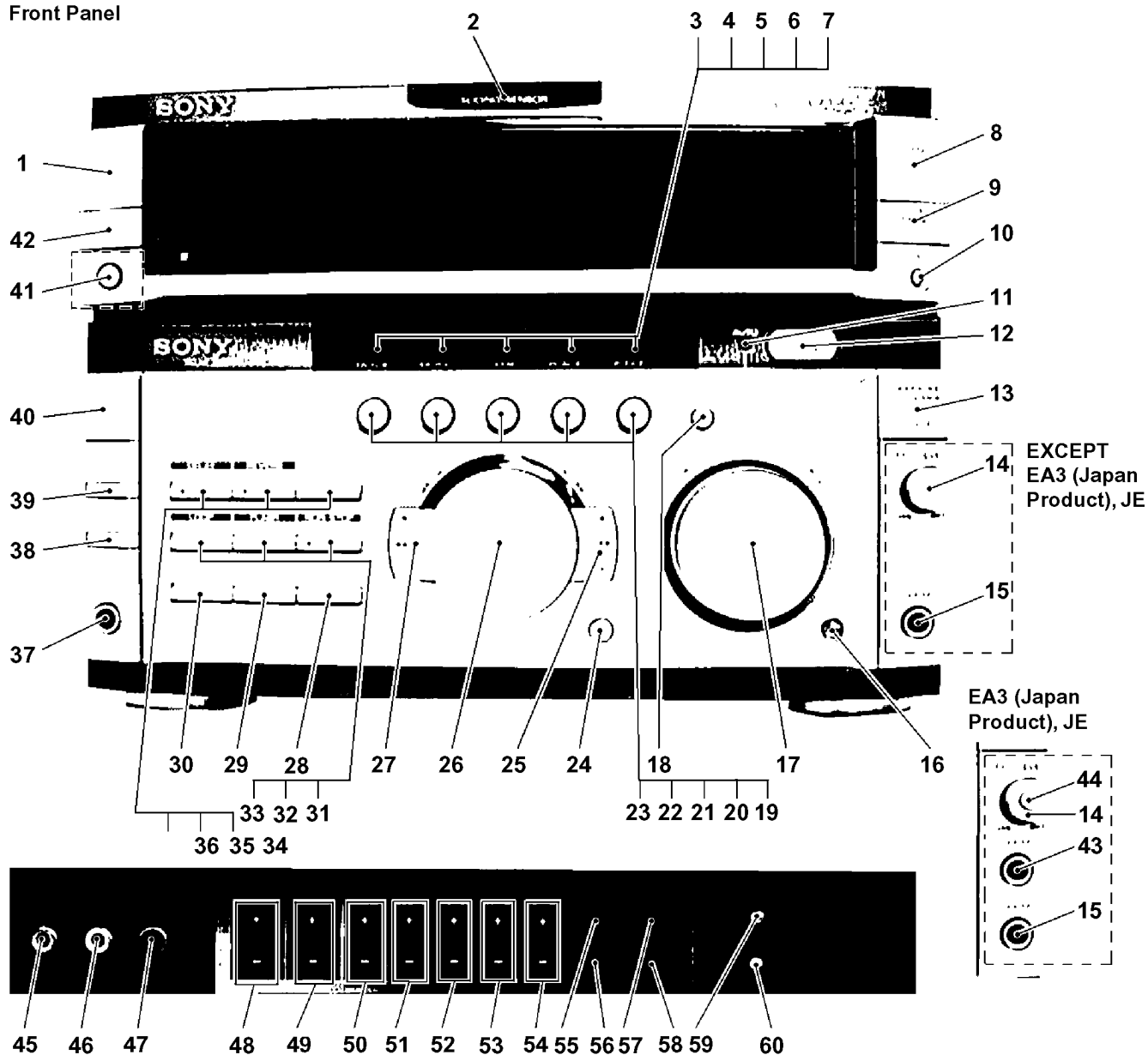
Fig 3.

## TABLE OF CONTENTS

<b>1. GENERAL</b> .....	4
<b>2. DISASSEMBLY</b>	
• Sliding Panel Assembly .....	5
<b>3. SERVICE MODE</b> .....	6
<b>4. ELECTRICAL ADJUSTMENT</b> .....	11
<b>5. DIAGRAMS</b>	
5-1. Circuit Boards Location .....	12
5-2. Block Diagrams	
• Tuner Section (AEP, UK model) .....	13
• Tuner Section (East European, CIS model) .....	15
• Main Section .....	17
• Power Section .....	19
5-3. Schematic Diagram	
–Tuner (AEP, UK model) Section – .....	23
5-4. Printed Wiring Board	
–Tuner (AEP, UK model) Section – .....	25
5-5. Printed Wiring Board	
–Tuner (East European, CIS model) Section – .....	26
5-6. Schematic Diagram	
–Tuner (East European, CIS model) Section – .....	27
5-7. Printed Wiring Board – Main Section – .....	29
5-8. Schematic Diagram – Main (1/2) Section – .....	31
5-9. Schematic Diagram – Main (2/2) Section – .....	33
5-10. Schematic Diagram – AV/Mic Section – .....	35
5-11. Printed Wiring Board – AV/Mic Section – .....	36
5-12. Schematic Diagram – Power Amp Section – .....	37
5-13. Printed Wiring Board – Power Amp Section – .....	39
5-14. Schematic Diagram – Display Section – .....	41
5-15. Printed Wiring Board – Display Amp Section – .....	43
5-16. Schematic Diagram – Sliding Panel Section – .....	45
5-17. Printed Wiring Board – Sliding Panel Section – .....	47
5-18. Printed Wiring Board – Trans Section – .....	49
5-19. Schematic Diagram – Trans Section – .....	51
5-20. IC Block Diagrams .....	52
5-21. IC Pin Function .....	56
<b>6. EXPLODED VIEWS</b>	
6-1. Case and Sliding Panel Section .....	59
6-2. Front Panel Section .....	60
6-3. Slide Mechanism Section .....	61
6-4. Circuit Boards and Back Panel Section .....	62
<b>7. ELECTRICAL PARTS LIST</b> .....	63

## SECTION 1 GENERAL

Front Panel



### LOCATION OF PARTS AND CONTROLS

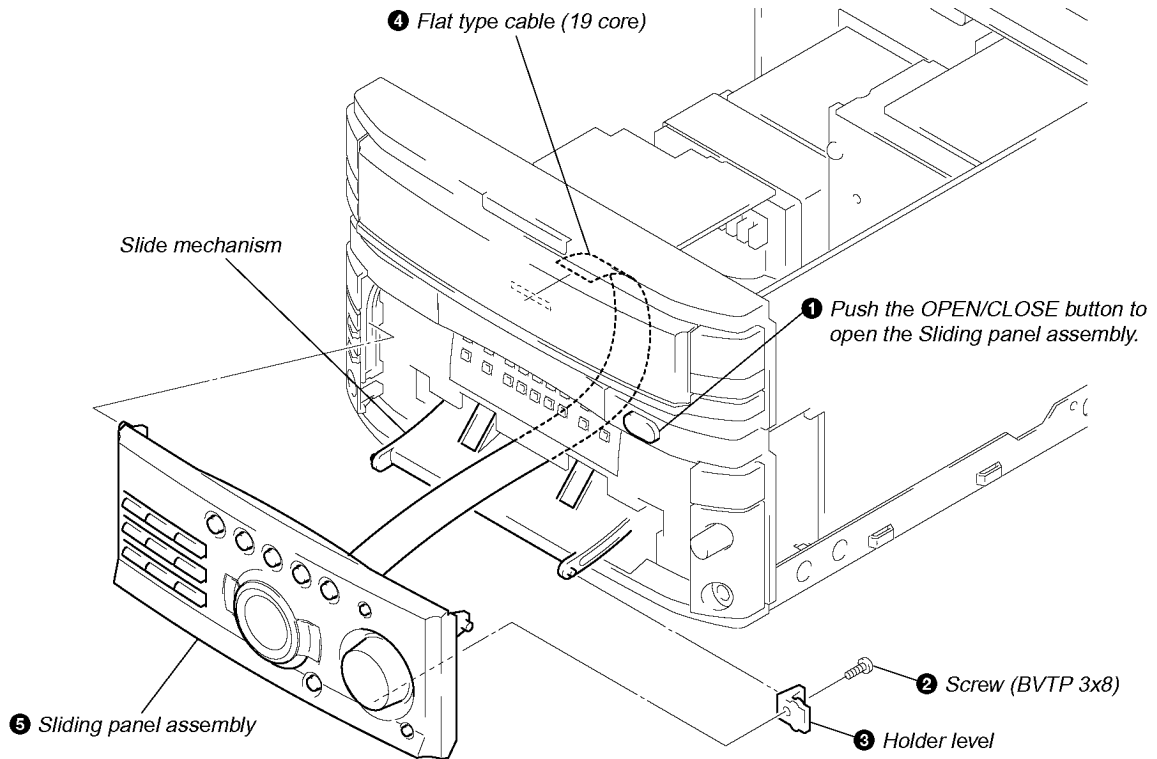
- |  |                                    |  |
|--|------------------------------------|--|
| 1 I/⏻ (Power) button   | 21 GAME button                     | 43 MIC 2 jack (EA3 (Japan Product), JE model)      |
| 2 SLIDING SENSOR window  | 22 MUSIC button                    | 44 ECHO LEVEL knob (EA3 (Japan Product), JE model) |
| 3 MOVIE indicator  | 23 MOVIE button                    | 45 VIDEO (AV INPUT (VIDEO 2)) jack                 |
| 4 MUSIC indicator  | 24 ENTER/NEXT button and indicator | 46 AUDIO-L (AV INPUT (VIDEO 2)) jack               |
| 5 GAME indicator   | 25 ►► + button and indicator       | 47 AUDIO-R (AV INPUT (VIDEO 2)) jack               |
| 6 PLACE indicator  | 26 ◀◀ ◀ MULTI JOG STATION ▶▶ dial  | 48 SURROUND +/- buttons                            |
| 7 P FILE indicator   | 27 ◀◀ - button and indicator       | 49 DBFB +/- buttons                                |
| 8 TUNER/BAND button  | 28 CD EDIT button                  | 50 63Hz +/- buttons                                |
| 9 STEREO/MONO button   | 29 CD PLAY MODE button             | 51 250Hz +/- buttons                               |
| 10 MEMORY button   | 30 CD REPEAT button                | 52 1kHz +/- buttons                                |
| 11 AUTO indicator  | 31 NON-STOP button and indicator   | 53 4kHz +/- buttons                                |
| 12 OPEN/CLOSE button   | 32 FLASH button                    | 54 16kHz +/- buttons                               |
| 13 KARAOKE PON/MPX button  | 33 LOOP button                     | 55 NAME IN button                                  |
| 14 MIC LEVEL knob  | 34 DBFB button                     | 56 DELETE button                                   |
| 15 MIX MIC jack (EXCEPT EA3 (Japan Product), JE model)<br>MIC 1 jack (EA3 (Japan Product), JE model) | 35 DSP REVERB button and indicator | 57 CHAR button                                     |
| 16 GROOVE button and indicator   | 36 DSP DELAY button and indicator  | 58 INSERT button                                   |
| 17 VOLUME knob   | 37 PHONES jack                     | 59 OPEN SENSOR ON/OFF button                       |
| 18 EFFECT ON/OFF button and indicator  | 38 CLOCK/TIMER SET button          | 60 EQ MEMORY button                                |
| 19 P FILE button   | 39 TIMER SELECT button             |  |
| 20 PLACE button  | 40 FUNCTION button                 |  |
|  | 41 PTY button (AEP, UK model)      |  |
|  | 42 DISPLAY/DEMO button             |  |

• Abbreviation  
EA3 : Saudi Arabia model.  
JE : Tourist model.

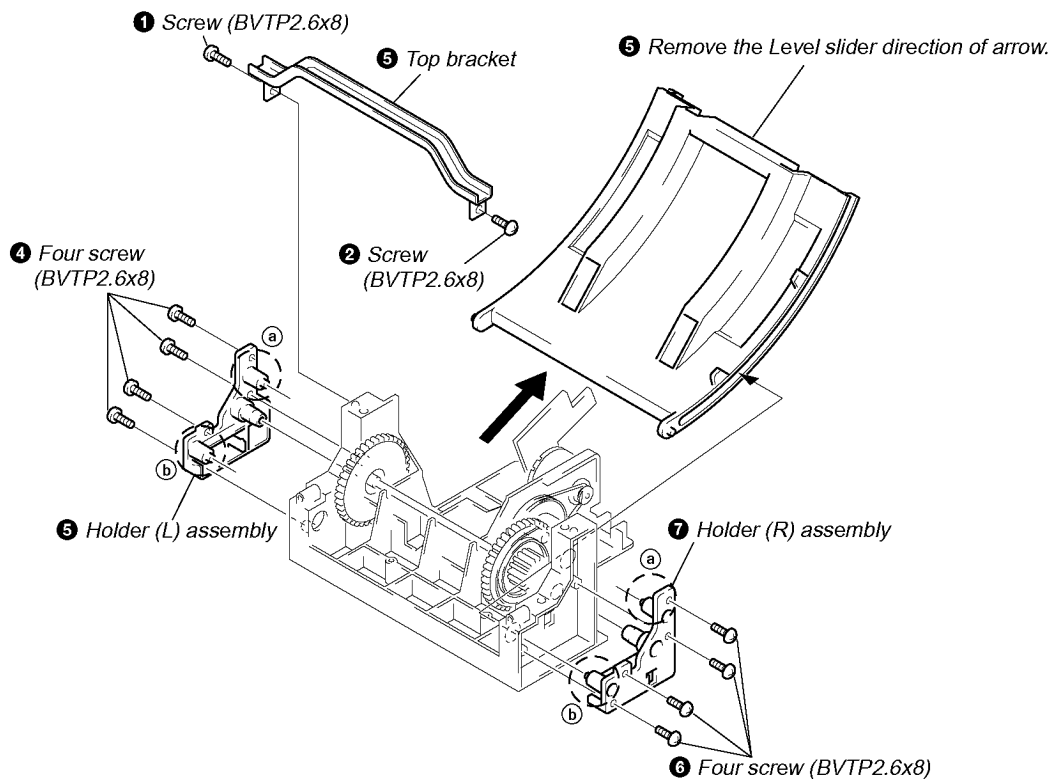
## SECTION 2 DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

### • SLIDING PANEL ASSEMBLY



### NOTE FOR INSTALLATION (LEVEL SLIDER)

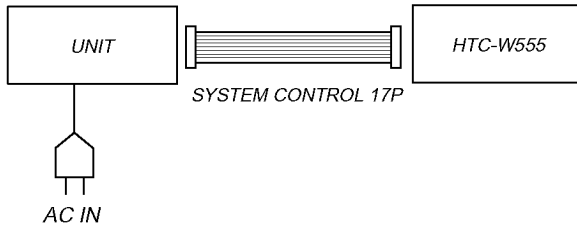


**NOTE :**  
Attach in the reverse order, but make sure the rollers (a, b) of the holder (L) assembly and holder (R) assembly fit into the grooves of the level slider.

## SECTION 3 SERVICE MODE

### Connections and Operations When Used Alone

Normally, use the unit connected to the HTC-W555 as follows.  
Basically, when servicing the unit, connect the unit as follows.



Even when not connected to the HTC-W555, the unit can operate alone as it mounts a power supply (some functions will however not be available).

### MC Cold Reset

• The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

#### Procedure:

1. Press three buttons **[EDIT]**, **[ENTER/NEXT]**, and **[DISPLAY/DEMO]** simultaneously.
2. The fluorescent indicator tube becomes blink instantaneously, and the set is reset.

### CD Delivery Mode (This mode can be used only when the HTC-W555 is connected.)

• This mode moves the pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

#### Procedure:

1. Press **[I/⏻]** button to turn the set ON.
2. Press **[LOOP]** button and **[I/⏻]** button simultaneously.
3. A message "LOCK" is displayed on the fluorescent indicator tube, and the CD delivery mode is set.

### MC Hot Reset

• This mode resets the set with the preset data kept stored in the memory. The hot reset mode functions same as if the power cord is plugged in and out.

#### Procedure:

1. Press three buttons **[REPEAT]**, **[ENTER/NEXT]**, and **[DISPLAY/DEMO]** simultaneously.
2. The fluorescent indicator tube becomes blink instantaneously, and the set is reset.

### Sled Servo Mode (This mode can be used only when the HTC-W555 is connected.)

• This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pick-up.

#### Procedure:

1. Select the function "CD".
2. Press three buttons **[FLASH]**, **[ENTER/NEXT]**, and **[KARAOKE PON/MPX]** simultaneously.
3. The Sled Servo mode is selected, if "CD" is blinking on the fluorescent indicator tube.
4. With the CD in stop status, press **[▶▶+]** button move the pick-up to outside track, or **[-<<]** button to inside track.
5. To exit from this mode, perform as follows:
  - 1) Move the pick-up to the most inside track.
  - 2) Press three buttons in the same manner as step 2.

#### Note:

- Always move the pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
- Do not run the sled motor excessively, otherwise the gear can be chipped.

### Change-over of FUNCTION Name

• The FUNCTION name of external input terminal can be changed over to VIDEO 1 or MD. With the FUNCTION selected to "MD", about 5dB mute is applied to the input gain.

#### Procedure:

1. Press **[I/⏻]** button to turn the set OFF.
2. Press **[I/⏻]** button together with **[FUNCTION]** button, and the power is turned on, the display of fluorescent indicator tube changes to "MD" or "VIDEO 1" instantaneously, and thus the FUNCTION is changed over.

### Change-over of AM Tuner Step between 9kHz and 10kHz

• A step of AM channels can be changed over between 9kHz and 10kHz.

#### Procedure:

1. Press **[I/⏻]** button to turn the set ON.
2. Select the function "TUNER", and press **[TUNER/BAND]** button to select the BAND "AM".
3. Press **[I/⏻]** button to turn the set OFF.
4. Press **[ENTER/NEXT]** and **[I/⏻]** buttons simultaneously, and the display of fluorescent indicator tube changes to "AM 9k STEP" or "AM 10k STEP", and thus the channel step is changed over.

## LED and Fluorescent Indicator Tube All Lit, Key Check Mode (Do not connect the HTC-W555.)

### Procedure:

1. Press **[I/O]** button to turn the set ON.
2. Press the **OPEN/CLOSE** button to open the sliding panel.
3. Press three buttons **DELAY**, **ENTER/NEXT**, and **DISPLAY/DEMO** simultaneously.
4. LEDs and fluorescent indicator tube are all turned on. Each time the **MOVIE** button is pressed, the fluorescent indicator tube lights up as follows:  
lights up completely → lights up partially 1 → lights up partially 2 → lights up completely.
5. Press **GAME** button, and the key check mode is activated.
6. In the key check mode, the fluorescent indicator tube displays “K @@ V0 J0”. Each time a button is pressed, “K” value decreases. However, once a button is pressed, it is no longer taken into account. (@@ means the total of buttons)  
“J” Value increases like 1, 2, 3 ... if rotating **JOOG** knob in “+” direction, or it decreases like 0, 9, 8 ... if rotating in “-” direction.  
“V” Value increases like 1, 2, 3 ... if rotating **VOLUME** knob in “+” direction, or it decreases like 0, 9, 8 ... if rotating in “-” direction.
7. Pressing all buttons lights up the fluorescent indicator tube completely.
8. To exit from this mode, press three buttons **EDIT**, **ENTER/NEXT** and **DISPLAY/DEMO** simultaneously. (COLD RESET)
9. To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

## CD, TAPE Deck Aging Mode (This mode can be used only when the HTC-W555 is connected.)

This mode can be used for checking the operations of the CD player and tape deck.

- When problems occur;  
Aging stops, and the stopped state is displayed on the fluorescent indicator tube.
- When no problems;  
Aging continues.

### Preparations:

- Set the CD on the DISC1 tray.
- Insert a commercially available tape for recording (tapes which contents can be erased, etc.) in decks A and B.

### Setting the aging mode:

Press the **PLAY MODE** button, **ENTER/NEXT** button, and **STEREO/MONO** button together.

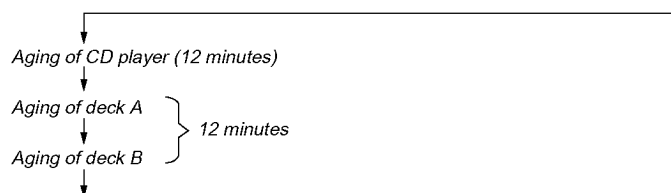
When the aging mode is set, the CD roulette mark blinks. To exit the mode, press the **[I/O]** button and turn OFF the power.

### Sequence:

The aging mode is executed in the following sequence.

If the function is set to “CD” when the aging mode is set, aging is performed starting from the CD player. When set to “TAPE A” or “TAPE B”, aging is started from deck A.

If the function is set to others, aging will not be started until the function is switched to CD or TAPE.



### Display of status:

- The aging status is displayed on the fluorescent indicator tube.
- Normally, the CD player displays the remaining aging time. But if operations ended abnormally, it displays the cause.
- During the aging of the tape deck, the operations performed will be displayed. If operations ended abnormally, this will be displayed at the fluorescent display tube.

### CD Player

- During normal operations:  
Display of fluorescent indicator tube

**\*\*1-@@**

\*\* : Displays “CD” and the remaining aging time (minutes) alternately. The remaining aging time is counted down from 12.

@@ : Track number being accessed.

• **When operations end abnormally:**

**Display of fluorescent display tube**

Display	Main Cause
NO DISC ERR	DISC 1 is NO DISC from the beginning
FOCUS1 ERR	Focus is not imposed properly
FOCUS2 ERR	The focus deviated several times after the disc rotated normally
GFS ERR	GFS ERROR
FBIAS ERR	Error during focus bias adjustment
SENSOR ERR	DISC 1 was found to be NO DISC by the disc sensor
TABLE ERR	The table did not rotate normally
TRAY ERR	The tray containing the BD did not operate normally

**Tape Deck**

Display of Operations	Operation	Timing of Ending
TAPE A AG-1	TAPE A REW	Shutoff
TAPE A AG-2	TAPE A FWD	2 minute playback
TAPE A AG-3	TAPE A FF	20 seconds or shutoff
TAPE A AG-4	TAPE A REV	2 minutes playback
TAPE A AG-5	TAPE A REW	Shutoff
TAPE B AG-1	TAPE B REW	Shutoff
TAPE B AG-2	TAPE B FWD	2 minute playback
TAPE B AG-3	TAPE B FF	20 seconds or shutoff
TAPE B AG-4	TAPE B REV	2 minute playback
TAPE B AG-5	TAPE B REW	Shutoff

**Operations during aging**

- Operations are performed in the following sequence during aging

**<CD player>**

1. The CD tray rotates and disc 1 is selected.
2. Chucking is performed.
3. TOC is read.
4. Track 1 played back for 2 seconds.
5. The last track is played back for 2 seconds.
6. 1 to 5 is repeated.
7. After 12 minutes of aging, aging is switched to the tape deck.

**<Tape Deck>**

1. The tape in deck A is rewound to the head.
2. The FWD side is played back for 2 minutes.
3. The tape is fast forwarded (FF) for 20 seconds. The following procedure is performed when the tape end is reached before the 20 seconds.
4. The REV side is played back for 2 minutes.
5. The tape is rewound to the head (REW).
6. The tape in deck B is rewound to the head.
7. The FWD side is played back for 2 minutes.
8. The tape is fast forwarded (FF) for 20 seconds. The following procedure is performed when the tape end is reached before the 20 seconds.
9. The REV side is played back for 2 minutes.
10. The tape is rewound to the head (REW).
11. Aging is switched to the CD player.



## PANEL Aging Mode

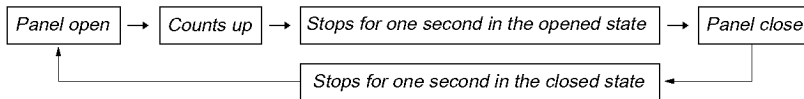
This mode is used for opening and closing the sliding panel continuously.

### Setting the aging mode :

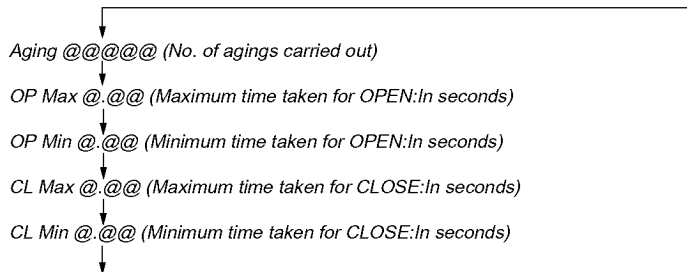
With the set at standby condition, press **FLASH** button, **ENTER/NEXT** button and **STEREO/MONO** button together. The aging will start and sliding panel will follow aging sequence as described below.

- When problems occur ;  
Aging stops and “AGING ERROR” is displayed on the fluorescent indicator tube.
- When no problems;  
Aging is carried out repeatedly. After 65000 times, “AGING STOP” is displayed and aging stops.

### Aging Sequence



Each time the **DISPLAY/DEMO** button is pressed, the display switches as follows.



## SECTION 4 ELECTRICAL ADJUSTMENT

**TUNER SECTION**

**0dB=1 $\mu$ V**

**Note 1:** As a front-end (FE1) is difficult to repair if faulty, replace it with new one.

**Note 2:** No adjustment is needed for a tuner pack except for AEP, UK, German, East European, CIS models.

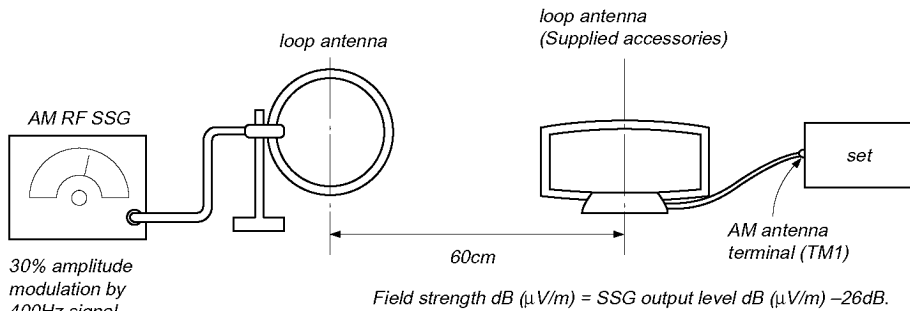
### AM Tuned Level Adjustment

(AEP, UK, East European, CIS model only)

**Note:** FM Tuned Level adjustment should be performed after this AM Tuned Level Adjustment.

#### Setting:

Band: MW



Modulation: 999 kHz (at 9 kHz step)  
1,050 kHz (at 10 kHz step)

#### Procedure:

1. Set the output of SSG so that the input level of the set becomes 55 dB.
2. Tune the set to 999 kHz or 1,050 kHz.
3. Adjust RV41 to the point (moment) when the TUNED indicator will change from going off to going on.

**Adjustment Location:** TCB board

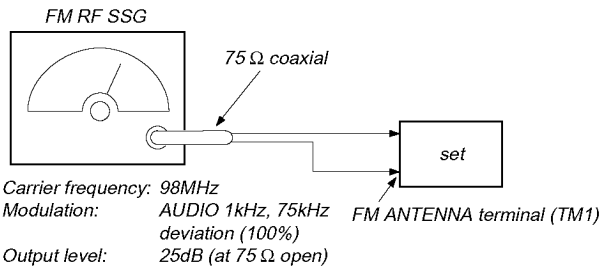
### FM Tuned Level Adjustment

(AEP, UK, East European, CIS model only)

**Note:** This adjustment should be performed after the AM Tuned Level Adjustment.

#### Setting:

Band: FM



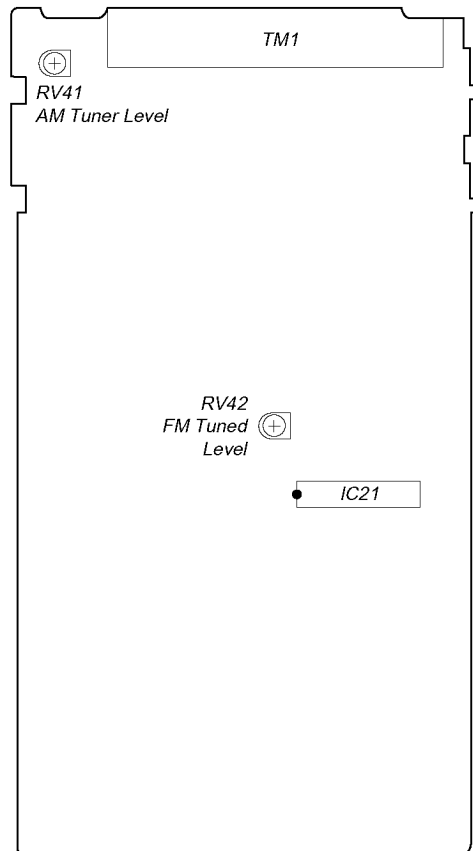
#### Procedure:

1. Supply a 25 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust RV42 to the point (moment) when the TUNED indicator will change from going off to going on.

**Adjustment Location:** TCB board

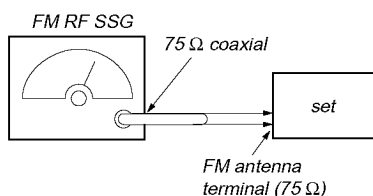
#### Adjustment Location

[TCB BOARD] (Component Side)



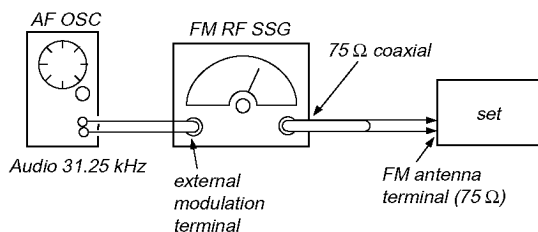
## FM Polar Adjustment (East European, CIS model only)

### Connection 1 :



Carrier frequency: 69 MHz  
 Output level: 1 mV (60 dBμ) (at 75 Ω open)  
 Modulation: AUDIO 1 kHz, 10 kHz deviation

### Connection 2 :

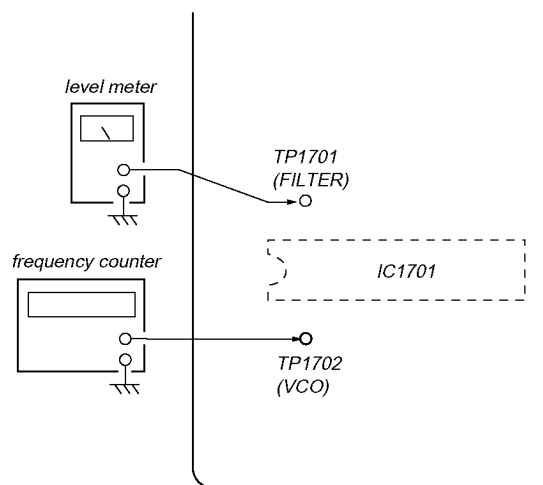


Carrier frequency: 69 MHz  
 Output level: 1 mV (60 dBμ) (at 75 Ω open)  
 Modulation: AUDIO 31.25 kHz, 10 kHz deviation  
 (EXTERNAL MODULATION)

**Adjustment Location:** TCB board

**Adjustment Location:**

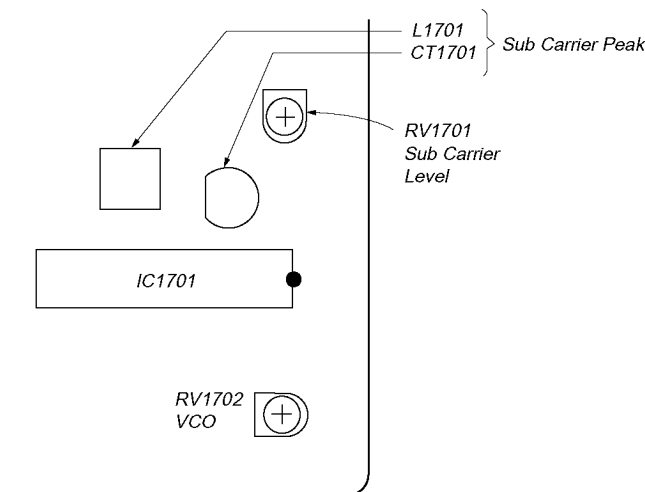
**[TCB BOARD] (Conductor Side)**



### Procedure :

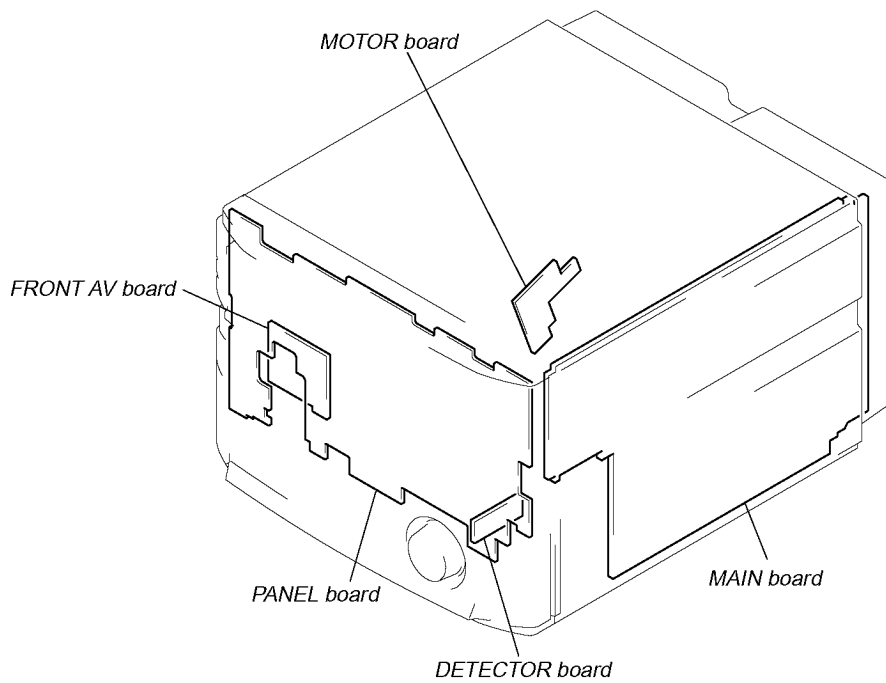
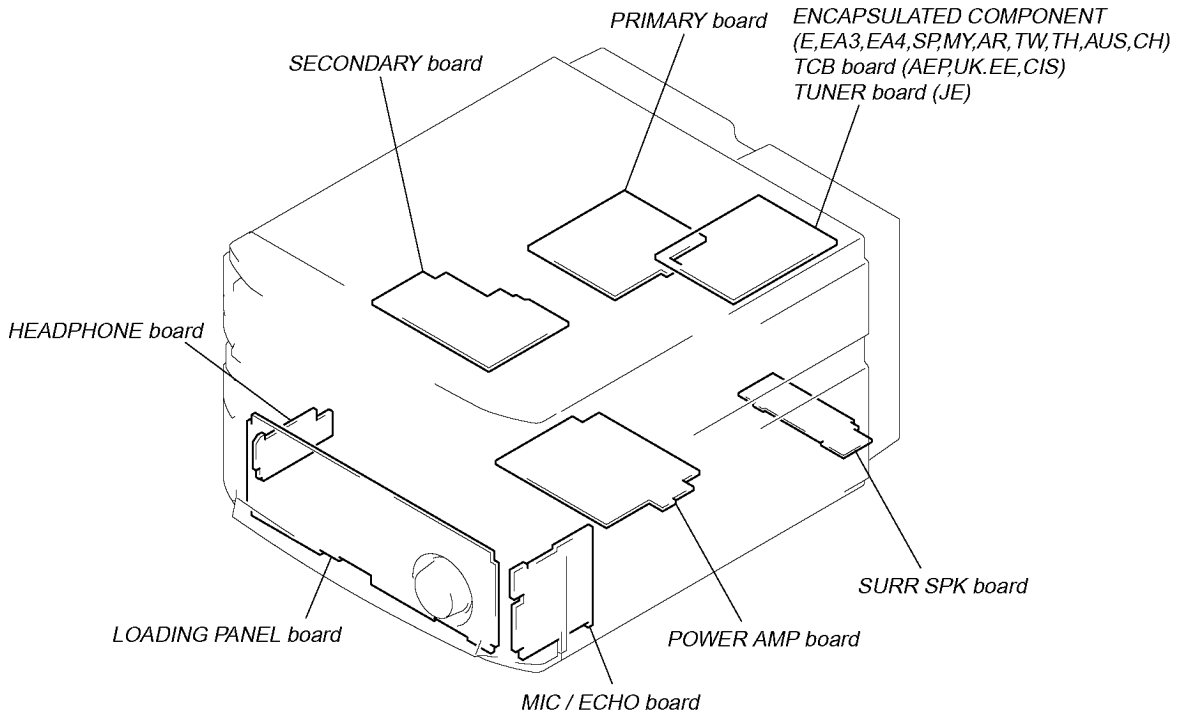
1. Set the modulation of FM RF SSG to AUDIO 1 kHz, 10 kHz deviation according to "Connection 1".
2. Tune the set to 69 MHz.
3. Adjust the RV1702 so that the reading of frequency counter connected to TP1702 (VCO) becomes within 31.25 kHz ± 0.05 kHz. (VCO adjustment)
4. Then record the reading of the level meter connected to TP1701.
5. Set the modulation of FM RF SSG to AUDIO 31.25 kHz, 10 kHz deviation according to "Connection 2".
6. Tune the set to 69 MHz.
7. Set the CT1701 to be mechanical center.
8. Adjust the L1701 so that the reading of the level meter connected to TP1701 (FILTER) becomes maximum. Then adjust the CT1701 so that the reading of the level meter connected to TP1701 (FILTER) becomes maximum. (SUB CARRIER PEAK Adjustment)
9. Adjust the RV1701 so that the level at the moment becomes 14 dB higher value than the level recorded in step 4. (SUB CARRIER LEVEL Adjustment)

**[TCB BOARD] (Component Side)**

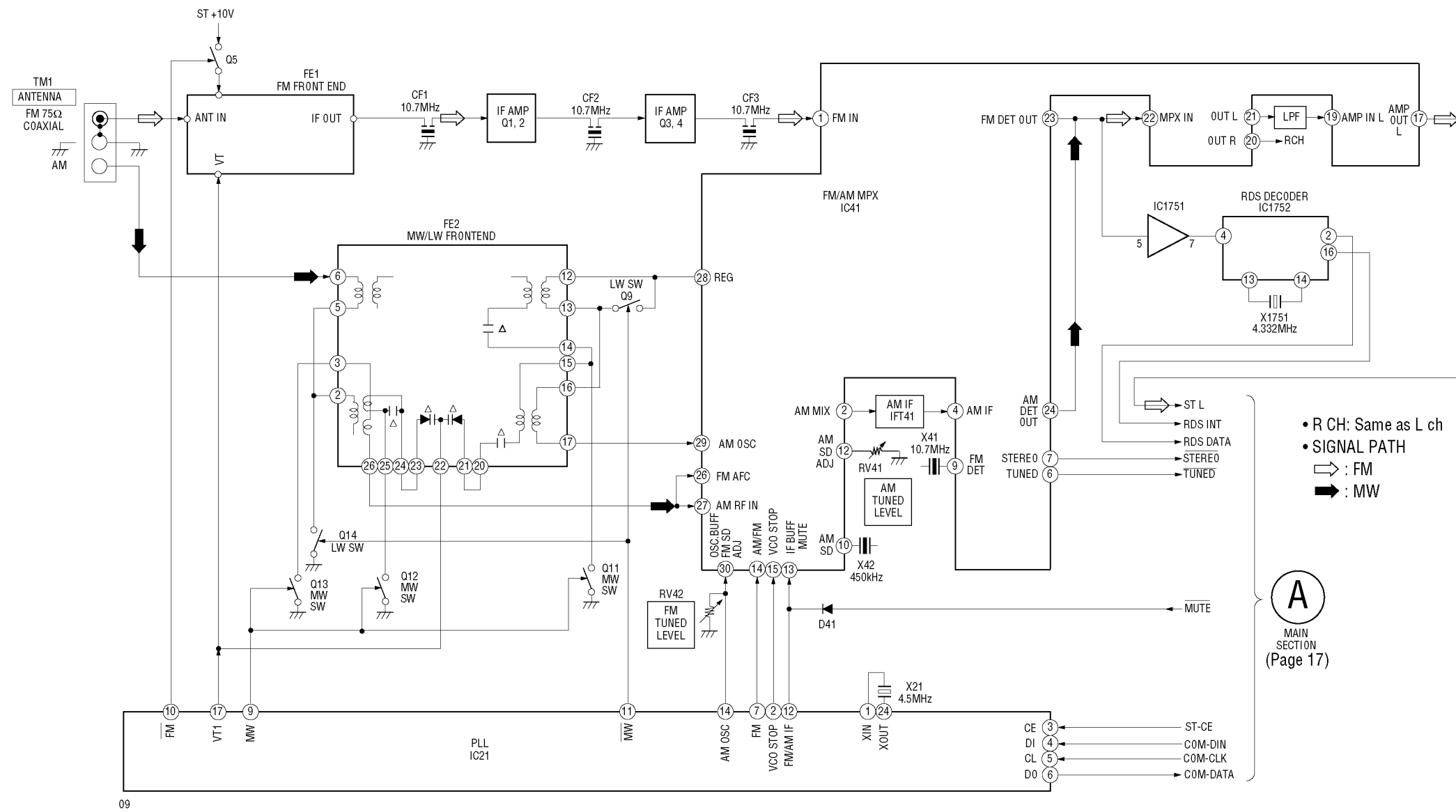


# SECTION 5 DIAGRAMS

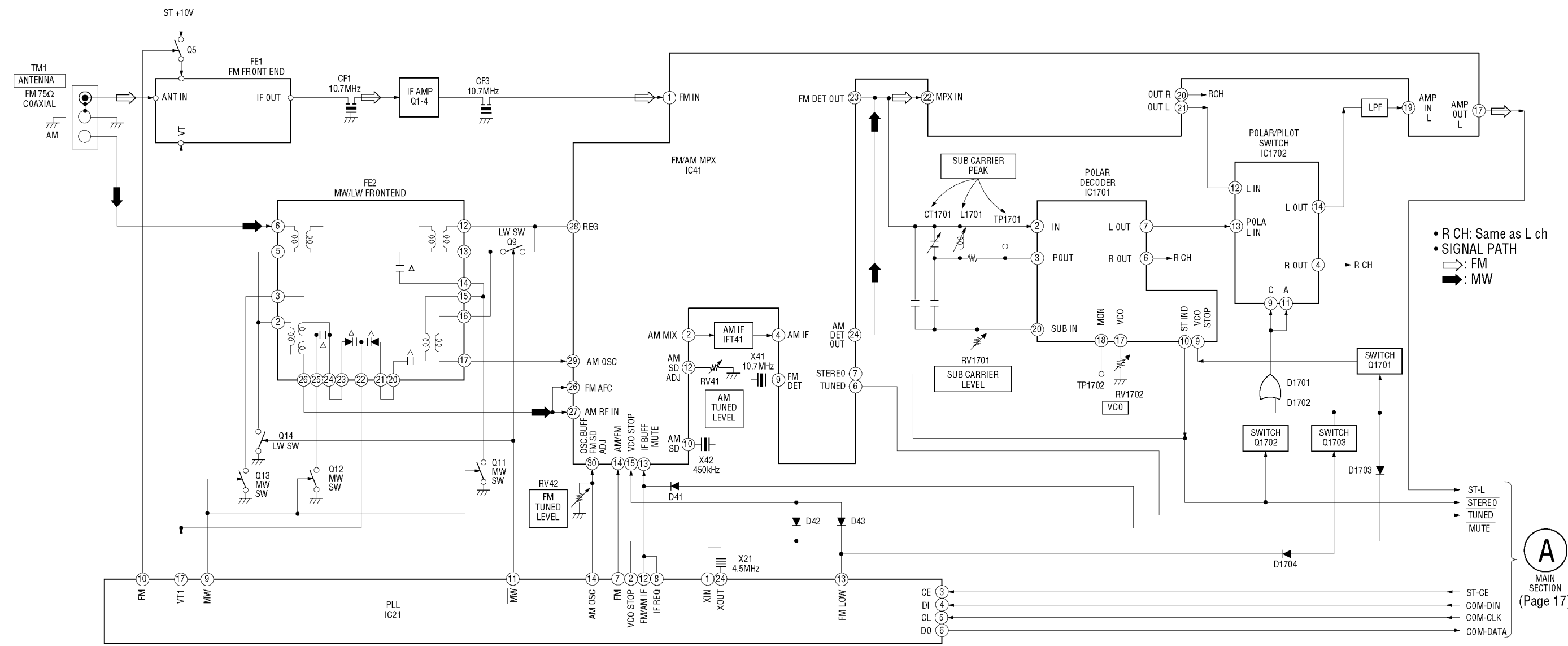
## 5-1. CIRCUIT BOARDS LOCATION



5-2. BLOCK DIAGRAMS  
- TUNER SECTION - (AEP, UK model)



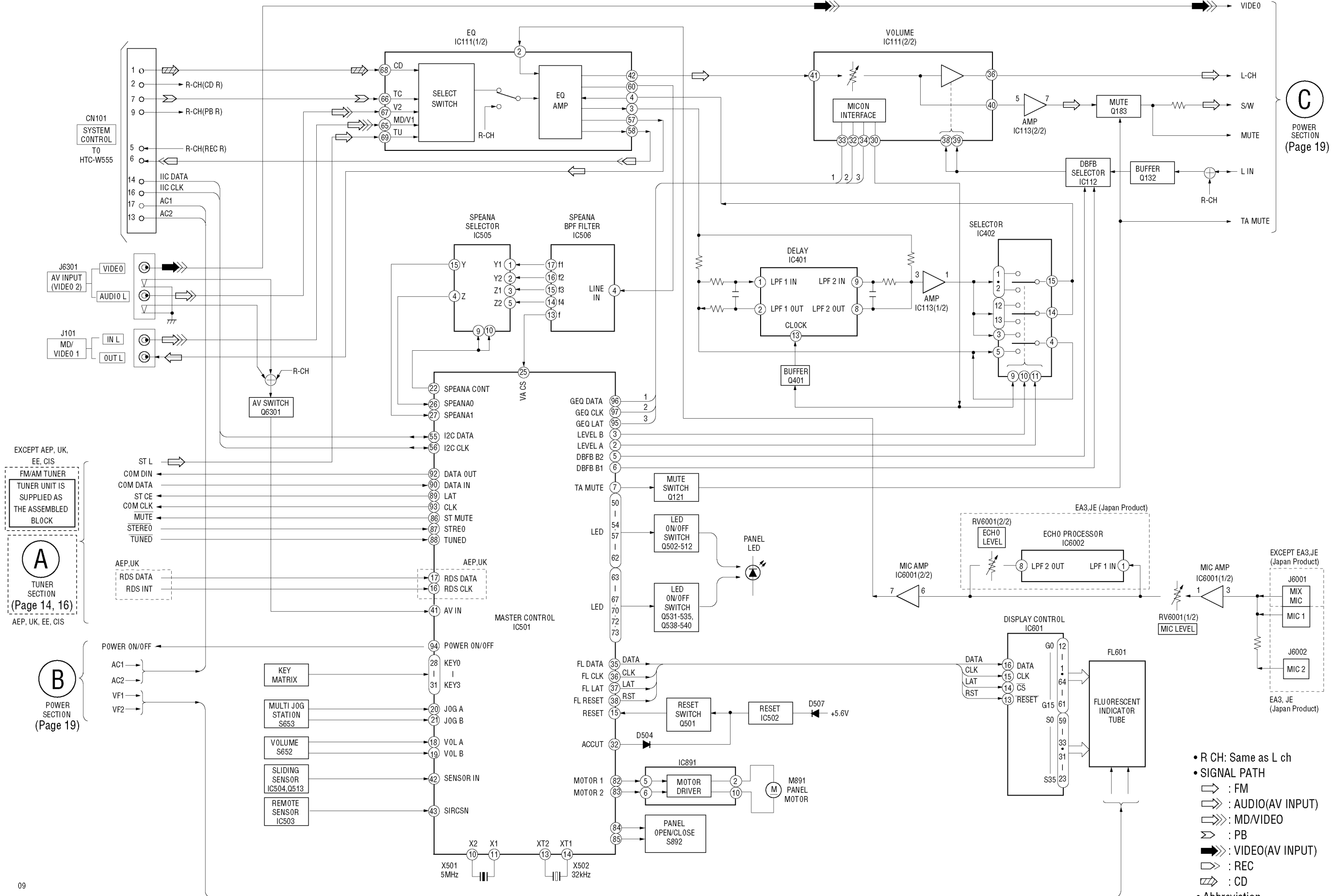
- TUNER SECTION - (East European, CIS model)



• R CH: Same as L ch  
 • SIGNAL PATH  
 ⇨: FM  
 ⇨: MW

A  
 MAIN SECTION  
 (Page 17)

- MAIN SECTION -



**C**  
POWER SECTION  
(Page 19)

EXCEPT AEP, UK, EE, CIS  
FM/AM TUNER UNIT IS SUPPLIED AS THE ASSEMBLED BLOCK  
**A**  
TUNER SECTION  
(Page 14, 16)  
AEP, UK, EE, CIS

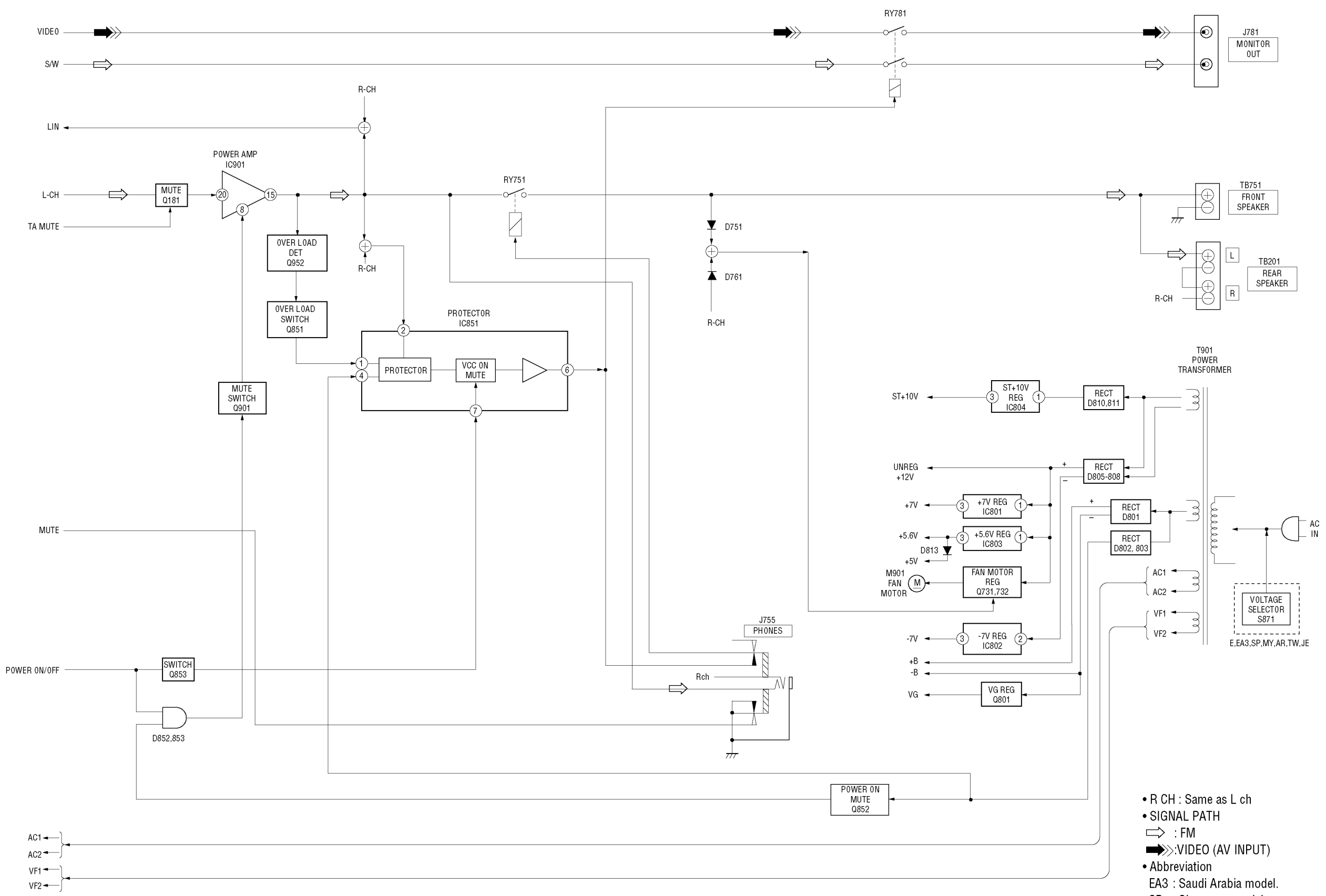
**B**  
POWER SECTION  
(Page 19)

• R CH: Same as L ch  
• SIGNAL PATH  
 ◀ : FM  
 ◀ : AUDIO(AV INPUT)  
 ◀ : MD/VIDEO  
 ◀ : PB  
 ◀ : VIDEO(AV INPUT)  
 ◀ : REC  
 ◀ : CD  
 • Abbreviation  
 EA3 : Saudi Arabia model.  
 JE : Tourist model.

- POWER SECTION -

C  
MAIN SECTION  
(Page 17)

B  
MAIN SECTION  
(Page 17)



- R CH : Same as L ch
- SIGNAL PATH
- ⇒ : FM
- ⇒⇒⇒:VIDEO (AV INPUT)
- Abbreviation
- EA3 : Saudi Arabia model.
- SP : Singapore model.
- MY : Malaysia model.
- JE :Tourist model.
- TW :Taiwan model.
- AR :Argentine model.






**THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.**












**(In addition to this, the necessary note is printed in each block.)**

**For schematic diagrams.**

**Note:**






- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\mu\text{F}$  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}\text{W}$  or less unless otherwise specified.
- $\Delta$  : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

**Note:** The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

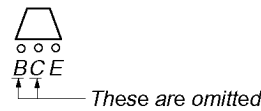
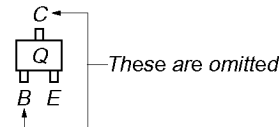
-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance  $10\text{M}\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  -  : FM
  -  : AM
  -  : AUDIO (AV INPUT)
  -  : MD/VIDEO
  -  : VIDEO (AV INPUT)
  -  : PB (DECK A)
  -  : REC (DECK B)
  -  : CD
- Abbreviation
  - EE : East European model.
  - EA3 : Saudi Arabia model.
  - EA4 : Israel model.
  - EA : Middle East model. (Saudi Arabia and Israel)
  - AUS : Australian model.
  - SP : Singapore model.
  - MY : Malaysia model.
  - TW : Taiwan model.
  - JE : Tourist model.
  - AR : Argentine model.
  - TH : Thai model.
  - CH : Chinese model.

**For printed wiring boards.**

**Note:**

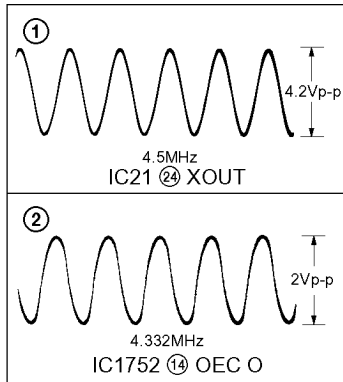
-  : parts extracted from the component side.
-  : parts extracted from the conductor side.
-  : parts mounted on the conductor side.
-  : Through hole.
- $\Delta$  : internal component.
-  : Pattern from the side which enables seeing.

**• Indication of transistor**

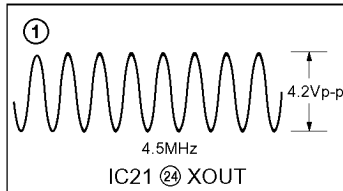


## WAVEFORMS

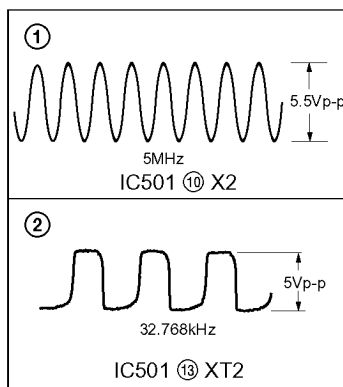
### - TUNER SECTION - (AEP, UK model)



### - TUNER SECTION - (East European, CIS model)

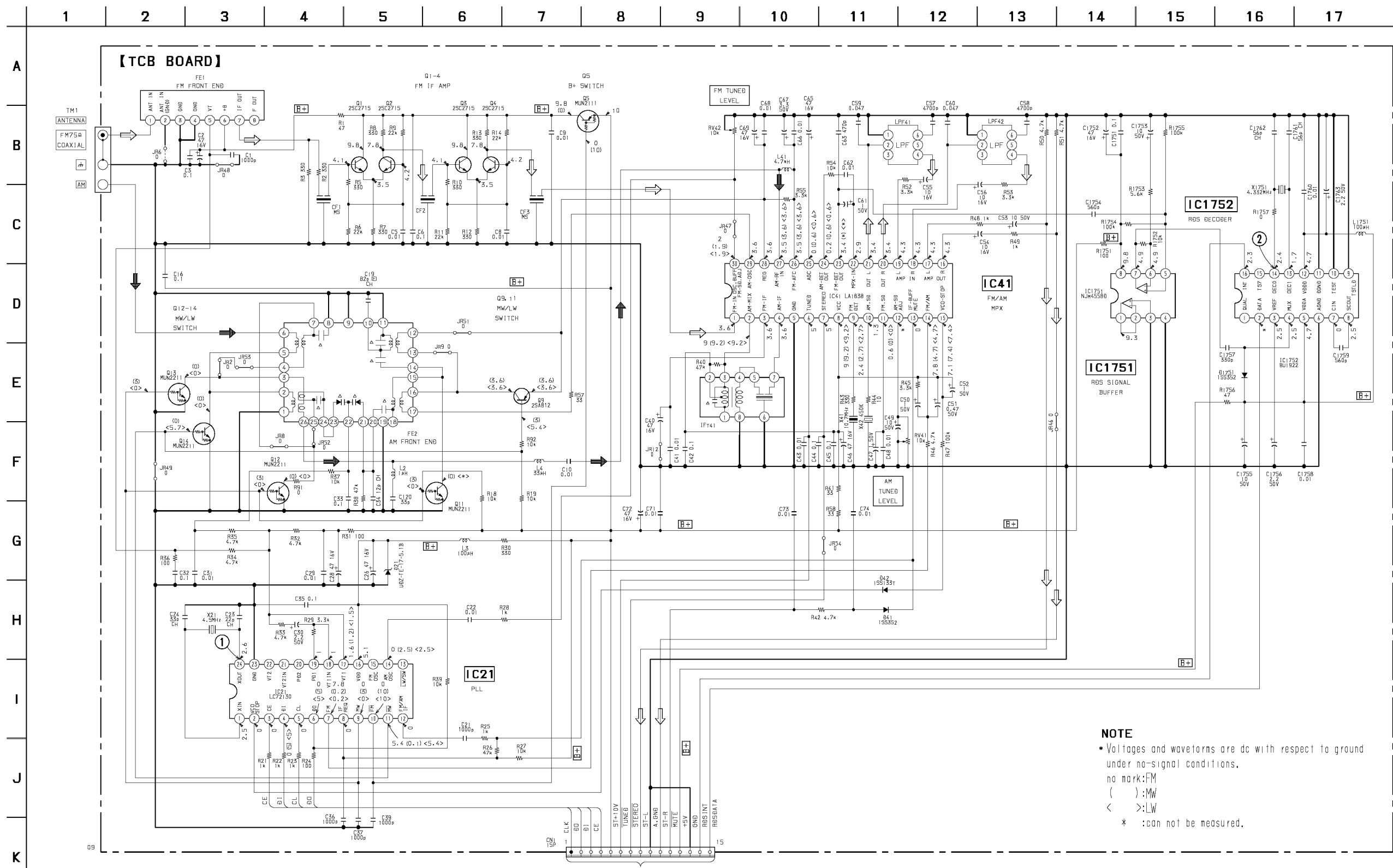


### - DISPLAY SECTION -



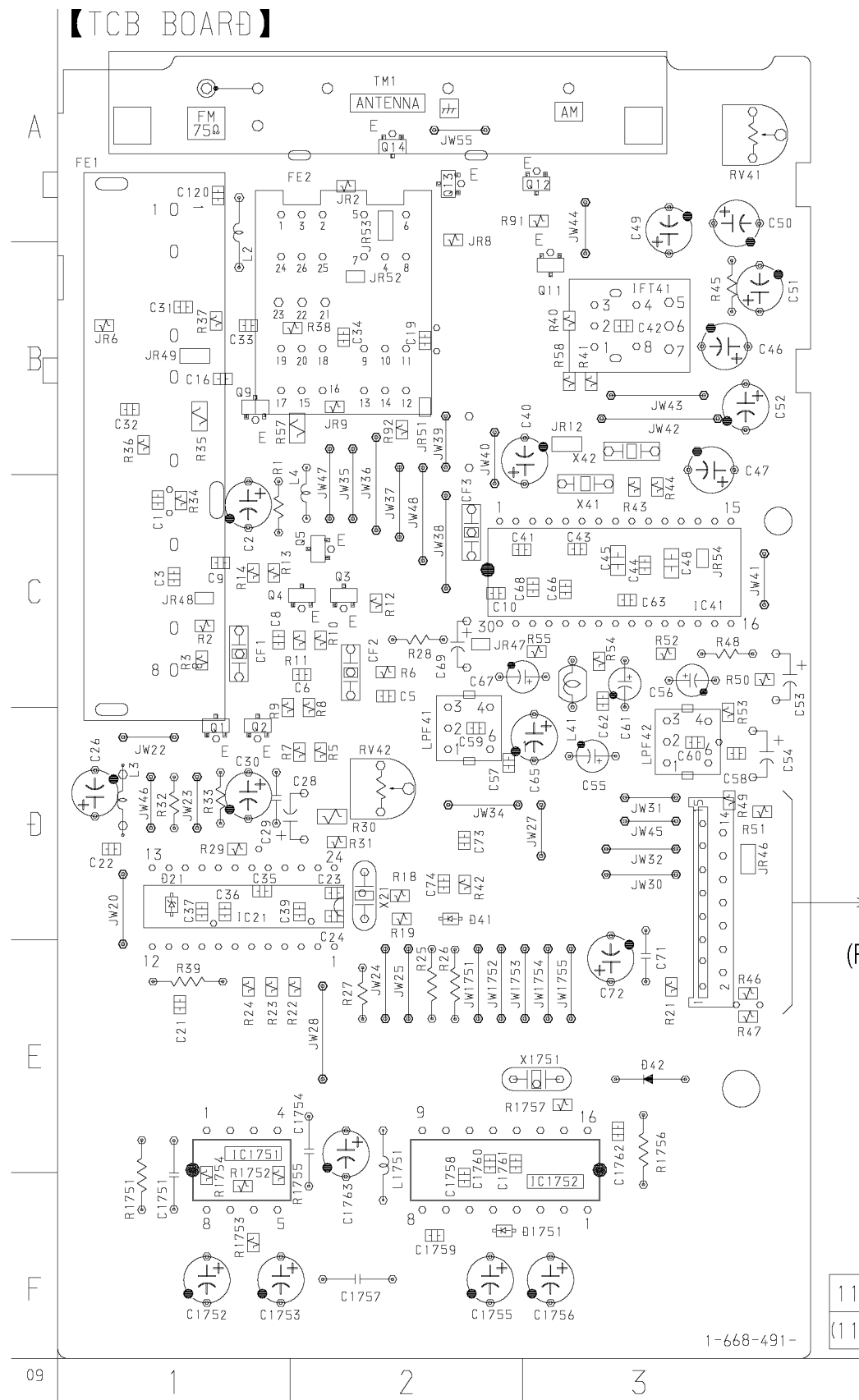
5-3. SCHEMATIC DIAGRAM – TUNER SECTION – (AEP, UK model)

- See page 22 for Waveforms.
- See page 52 for IC Block Diagrams.



5-4. PRINTED WIRING BOARD – TUNER SECTION – (AEP, UK model)

• See page 12 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location
D21	D-1
D41	D-2
D42	E-3
D1751	F-2
IC21	D-1
IC41	C-3
IC1751	E-1
IC1752	F-3
Q1	D-1
Q2	D-1
Q3	C-2
Q4	C-2
Q5	C-2
Q9	B-1
Q11	B-3
Q12	A-3
Q13	A-2
Q14	A-2

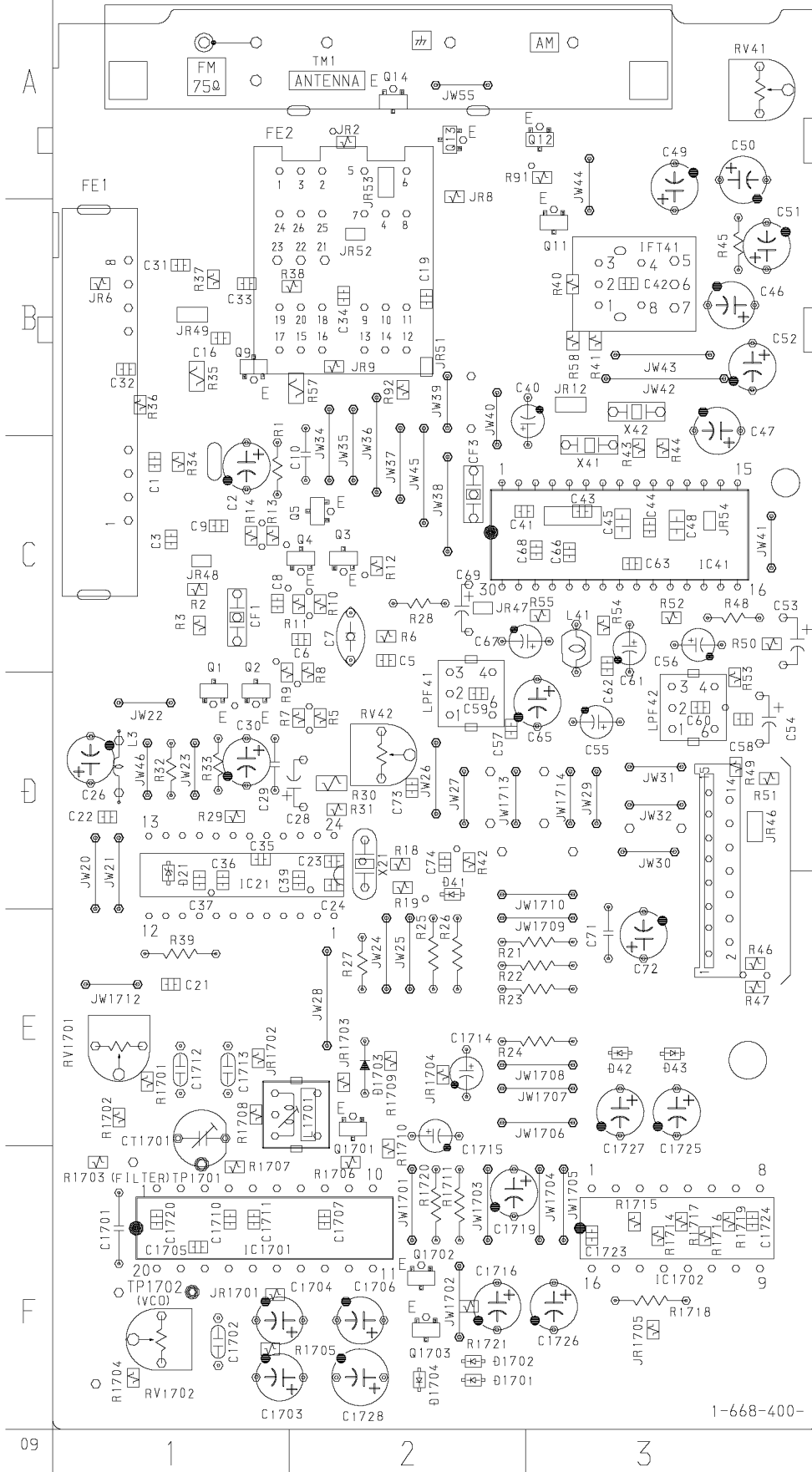
(Page 30)

11  
(11)

1-668-491-

5-5. PRINTED WIRING BOARD – TUNER SECTION – (East European, CIS model)  
 • See page 12 for Circuit Boards Location.

【TCB BOARD】



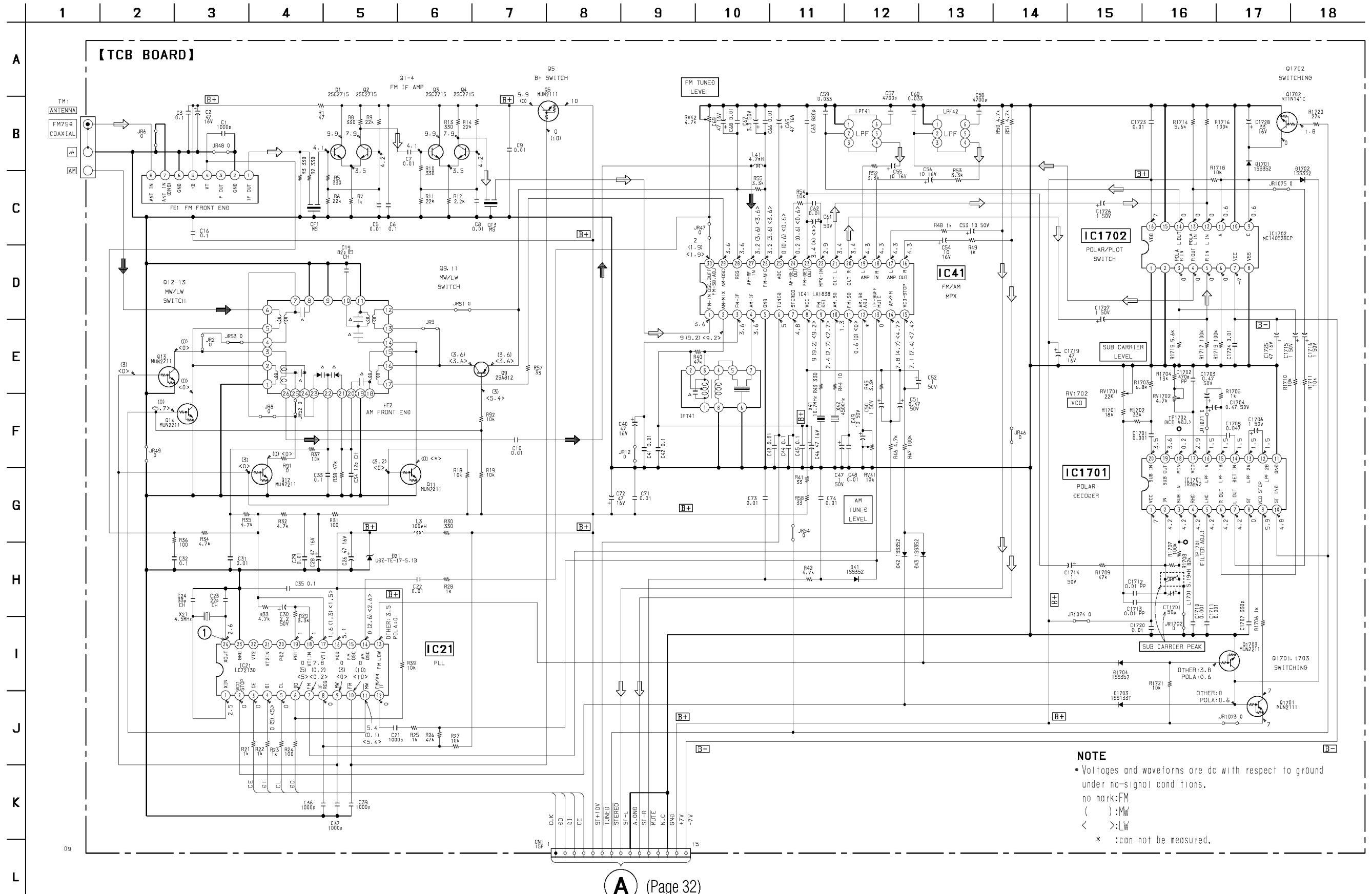
• Semiconductor Location

Ref. No.	Location
D1	D-1
D41	D-2
D42	E-3
D43	E-3
D1701	F-2
D1702	F-2
D1703	E-2
D1704	F-2
IC21	D-1
IC41	C-3
IC1701	F-1
IC1702	F-3
Q1	D-1
Q2	D-2
Q3	C-2
Q4	C-2
Q5	C-2
Q9	B-1
Q11	B-3
Q12	A-3
Q13	A-2
Q14	A-2
Q1701	E-2
Q1702	F-2
Q1703	F-2

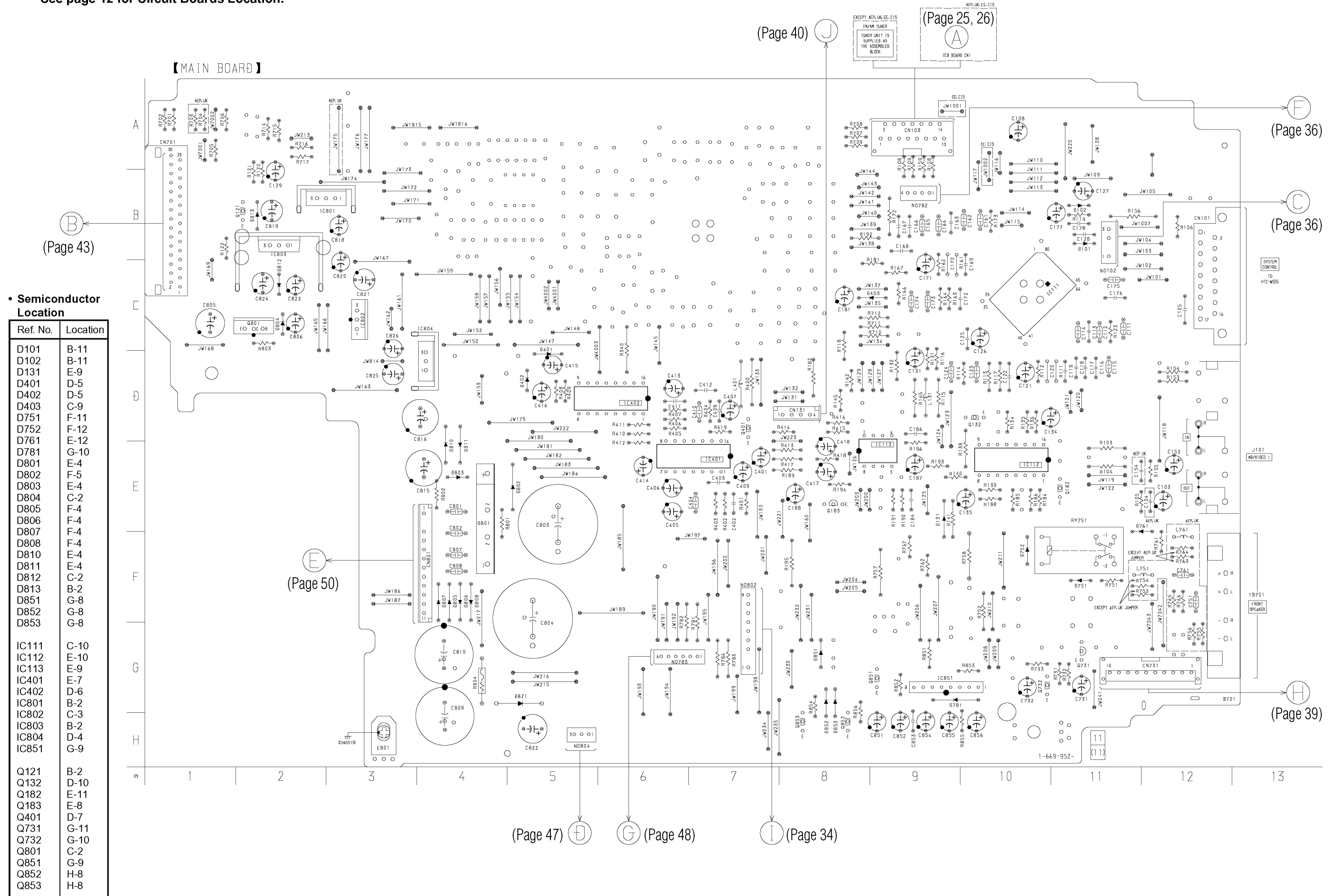
(Page 30)

5-6. SCHEMATIC DIAGRAM – TUNER SECTION – (East European, CIS model)

- See page 14 for Waveforms.
- See page 53 for IC Block Diagrams.



5-7. PRINTED WIRING BOARD – MAIN SECTION –  
 • See page 12 for Circuit Boards Location.



• Semiconductor Location

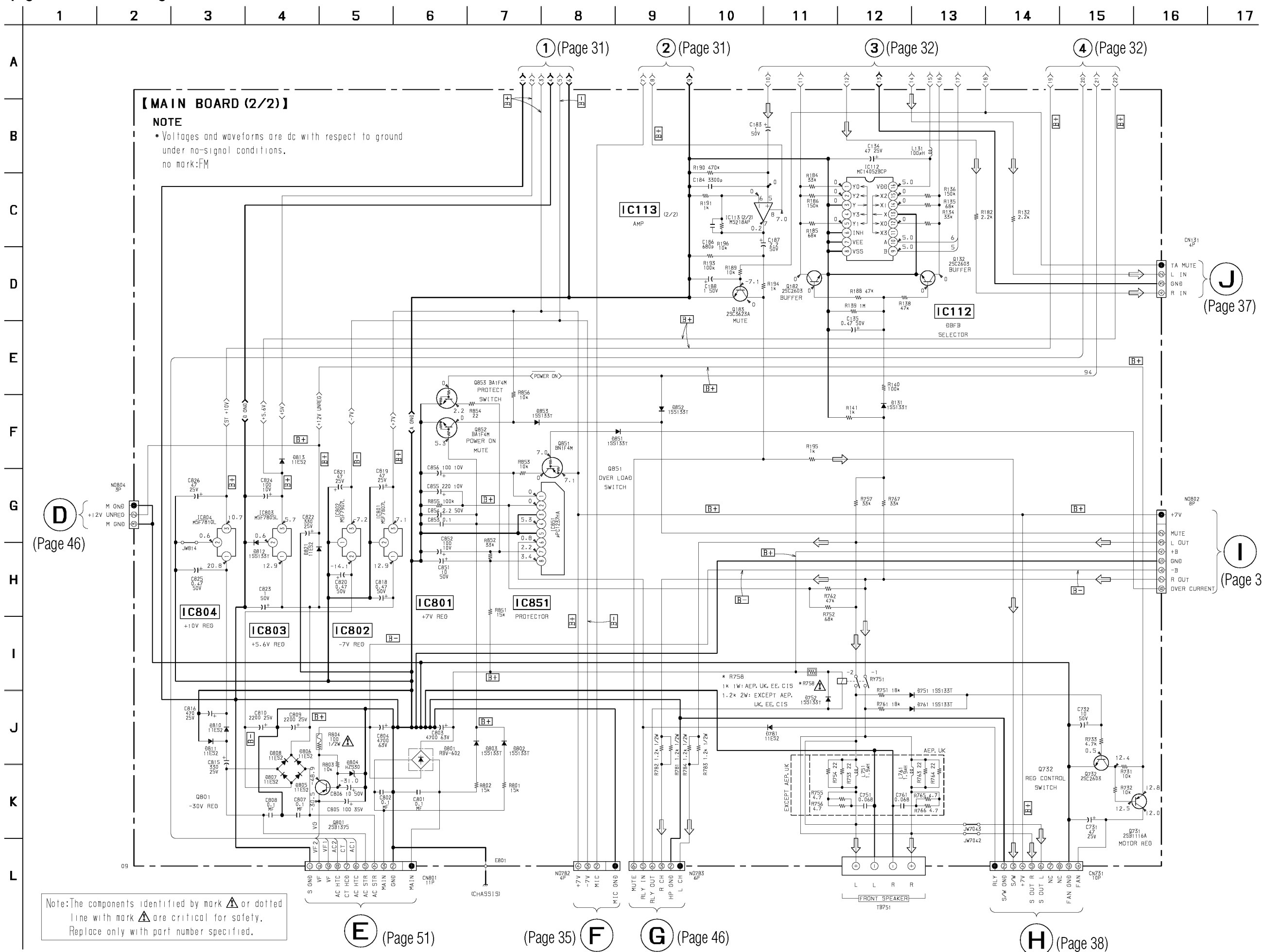
Ref. No.	Location
D101	B-11
D102	B-11
D131	E-9
D401	D-5
D402	D-5
D403	C-9
D751	F-11
D752	F-12
D761	E-12
D781	G-10
D801	E-4
D802	F-5
D803	E-4
D804	C-2
D805	F-4
D806	F-4
D807	F-4
D808	F-4
D810	E-4
D811	E-4
D812	C-2
D813	B-2
D851	G-8
D852	G-8
D853	G-8
IC111	C-10
IC112	E-10
IC113	E-9
IC401	E-7
IC402	D-6
IC801	B-2
IC802	C-3
IC803	B-2
IC804	D-4
IC851	G-9
Q121	B-2
Q132	D-10
Q182	E-11
Q183	E-8
Q401	D-7
Q731	G-11
Q732	G-10
Q801	C-2
Q851	G-9
Q852	H-8
Q853	H-8





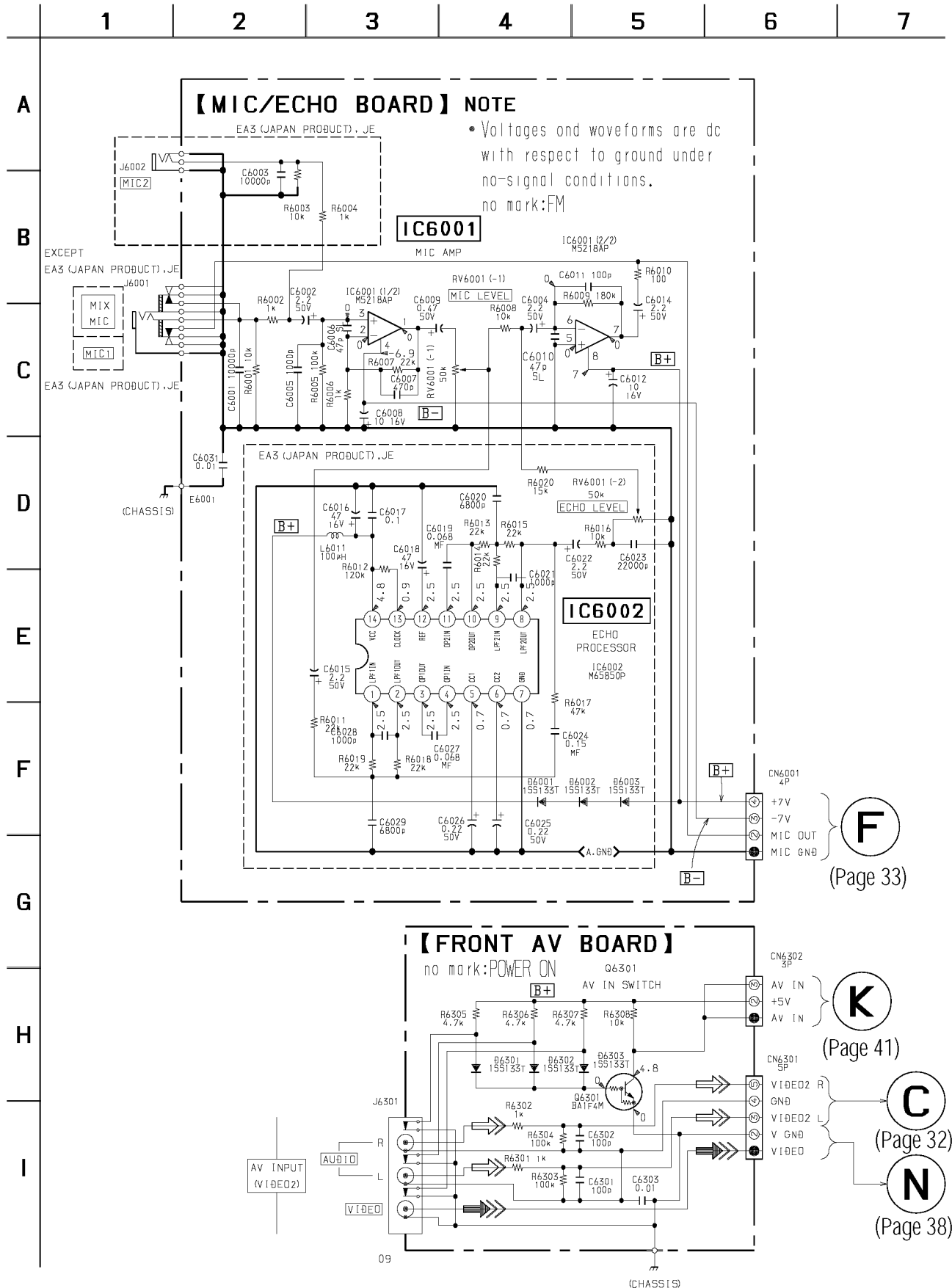
5-9. SCHEMATIC DIAGRAM – MAIN (2/2) SECTION –

- See page 29 for Printed Wiring Board.
- See page 54 for IC Block Diagrams.



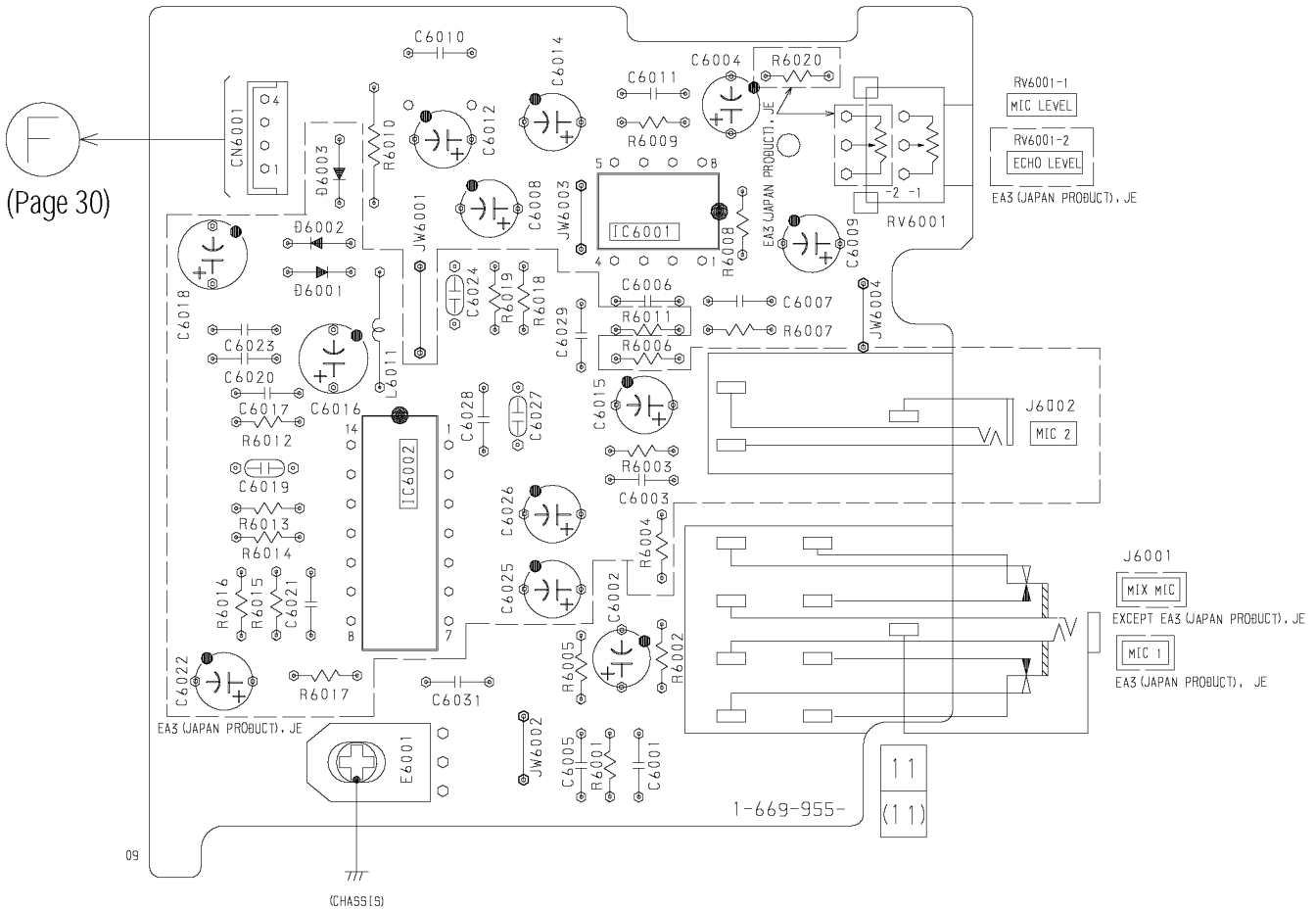
Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

**5-10. SCHEMATIC DIAGRAM - AV/MIC SECTION -**  
 • See page 54 for IC Block Diagrams.

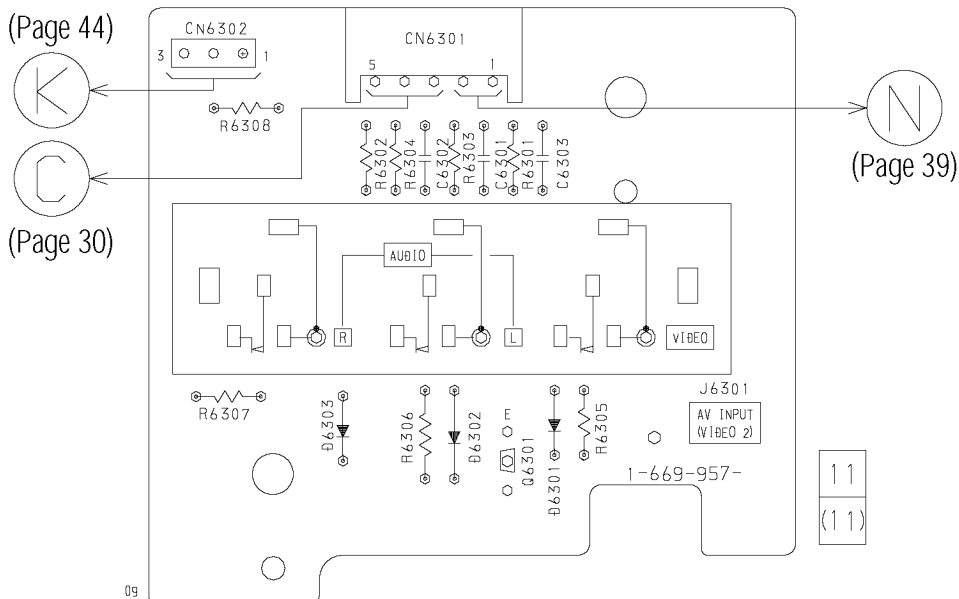


**5-11. PRINTED WIRING BOARD - AV/MIC SECTION -**  
 • See page 12 for Circuit Boards Location.

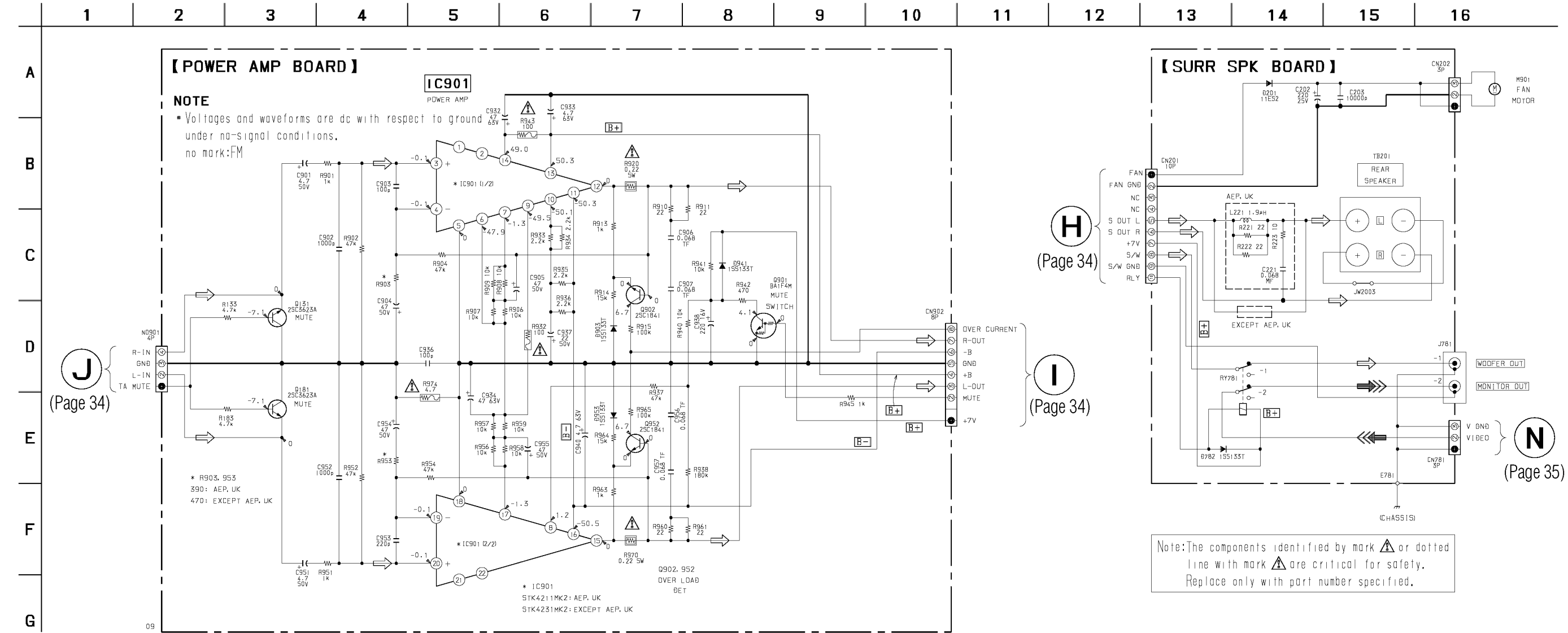
**【MIC/ECHO BOARD】**



**【FRONT AV BOARD】**



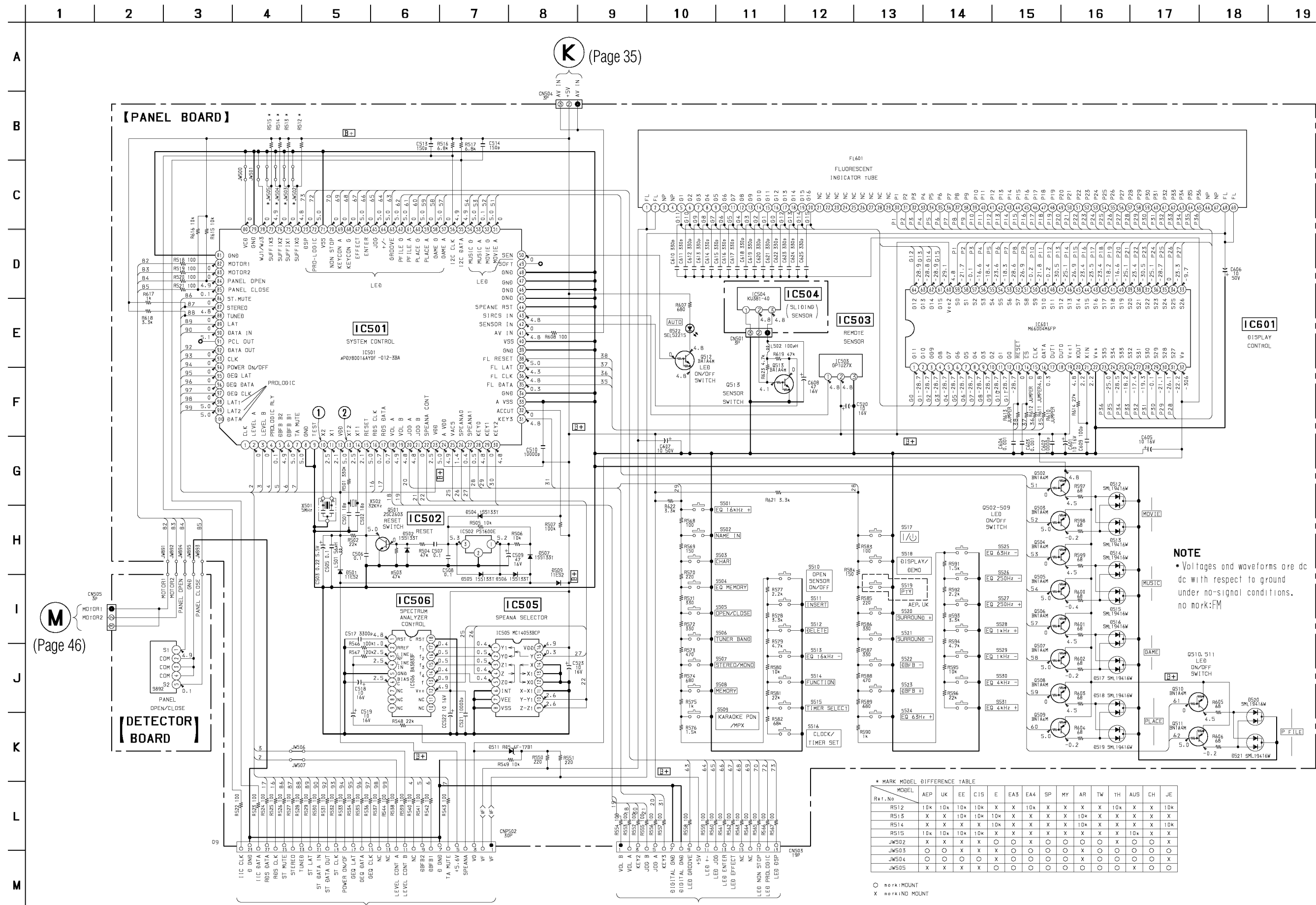
5-12. SCHEMATIC DIAGRAM – POWER AMP SECTION –





5-12. SCHEMATIC DIAGRAM – DISPLAY SECTION –

• See page 54 for IC Block Diagrams.



K (Page 35)

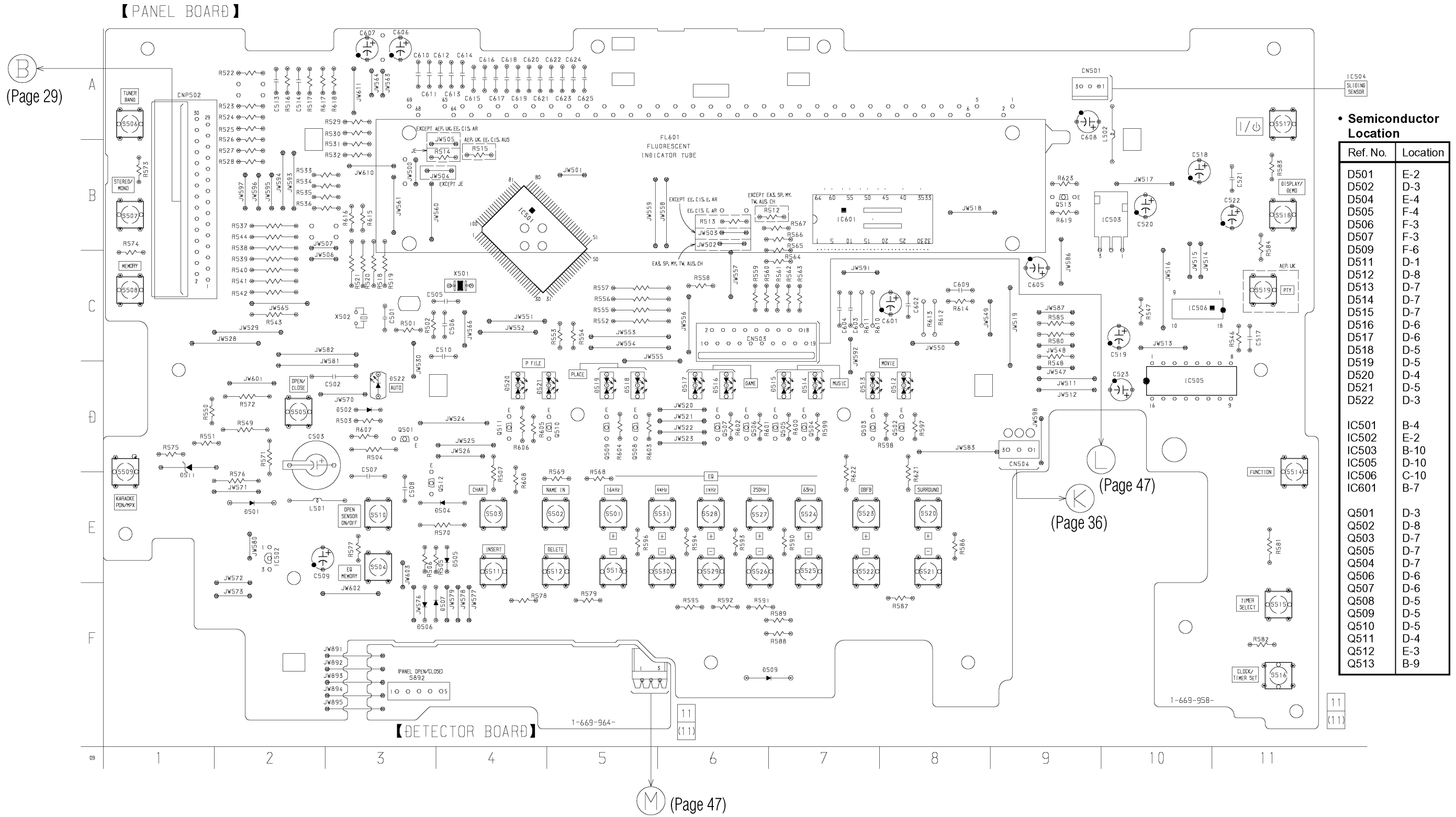
M (Page 46)

B (Page 32)

L (Page 45)

**NOTE**  
 • Voltages and waveforms are dc with respect to ground under no-signal conditions. no mark: FM

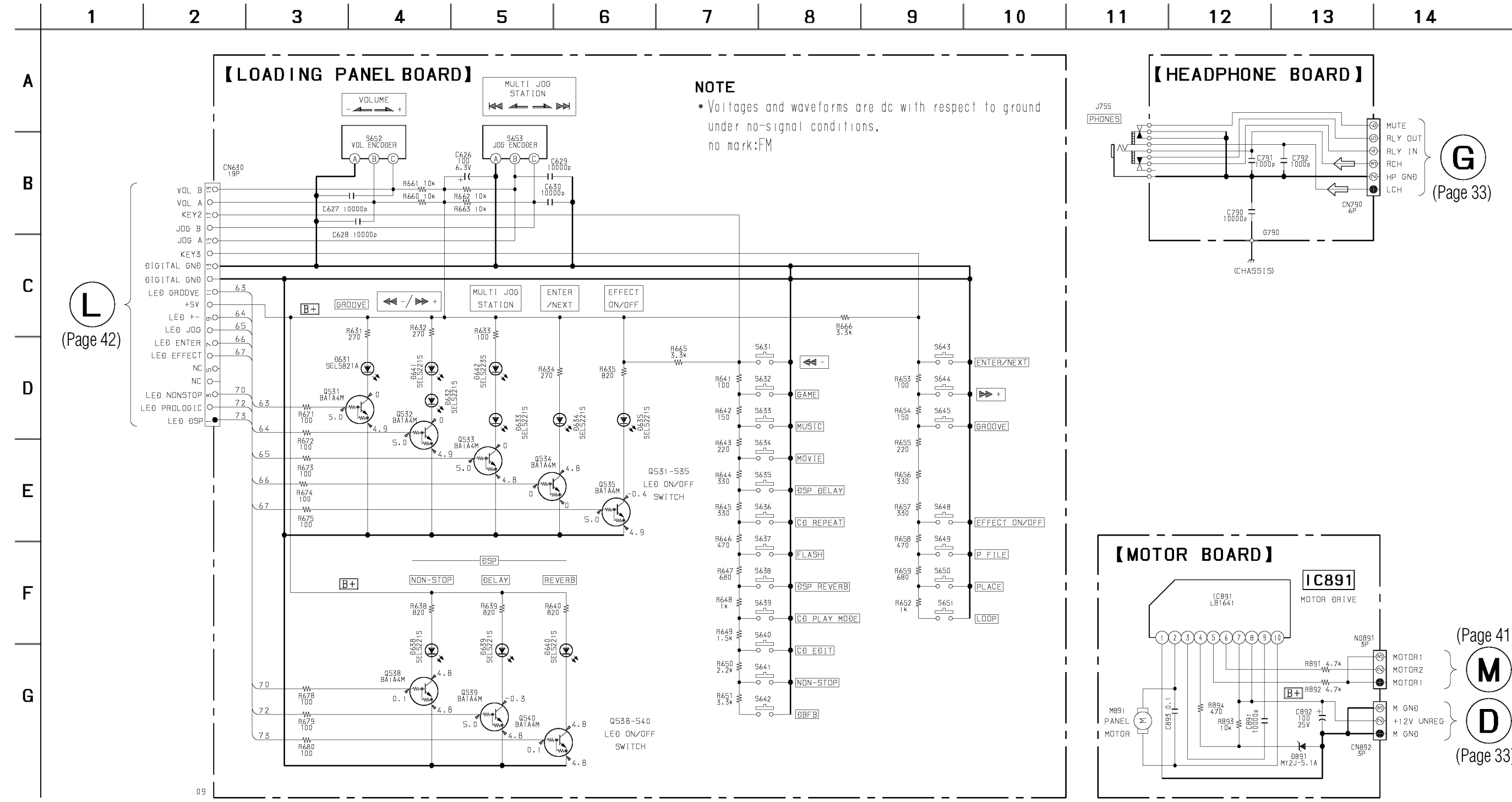
5-15. PRINTED WIRING BOARD – DISPLAY SECTION –  
 • See page 12 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location
D501	E-2
D502	D-3
D504	E-4
D505	F-4
D506	F-3
D507	F-3
D509	F-6
D511	D-1
D512	D-8
D513	D-7
D514	D-7
D515	D-7
D516	D-6
D517	D-6
D518	D-5
D519	D-5
D520	D-4
D521	D-5
D522	D-3
IC501	B-4
IC502	E-2
IC503	B-10
IC505	D-10
IC506	C-10
IC601	B-7
Q501	D-3
Q502	D-8
Q503	D-7
Q505	D-7
Q504	D-7
Q506	D-6
Q507	D-6
Q508	D-5
Q509	D-5
Q510	D-5
Q511	D-4
Q512	E-3
Q513	B-9

5-16. SCHEMATIC DIAGRAM – SLIDING PANEL SECTION –  
 • See page 54 for IC Block Diagrams.



L (Page 42)

G (Page 33)

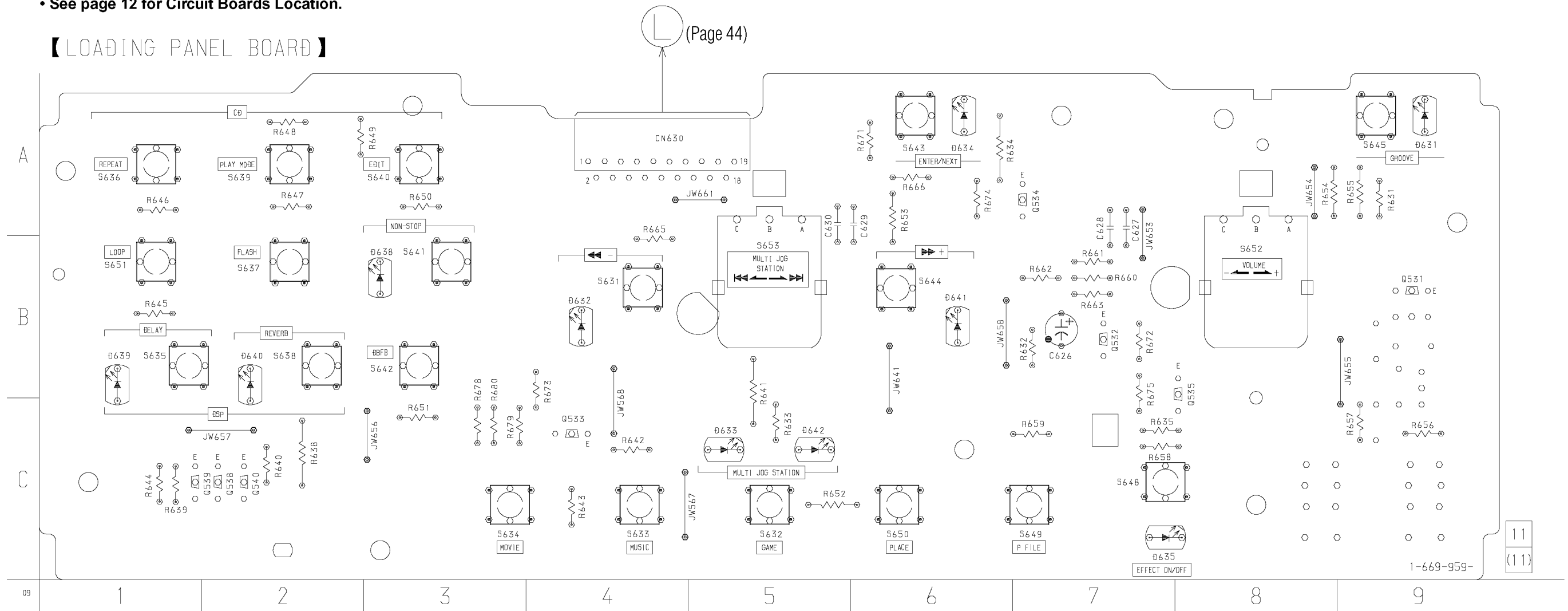
(Page 41)

M (Page 33)



5-17. PRINTED WIRING BOARD – SLIDING PANEL SECTION –  
 • See page 12 for Circuit Boards Location.

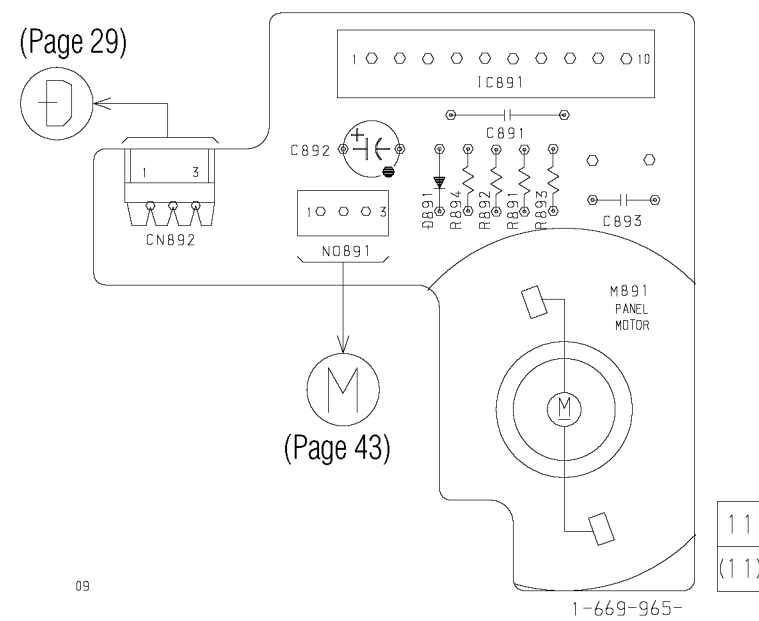
【LOADING PANEL BOARD】



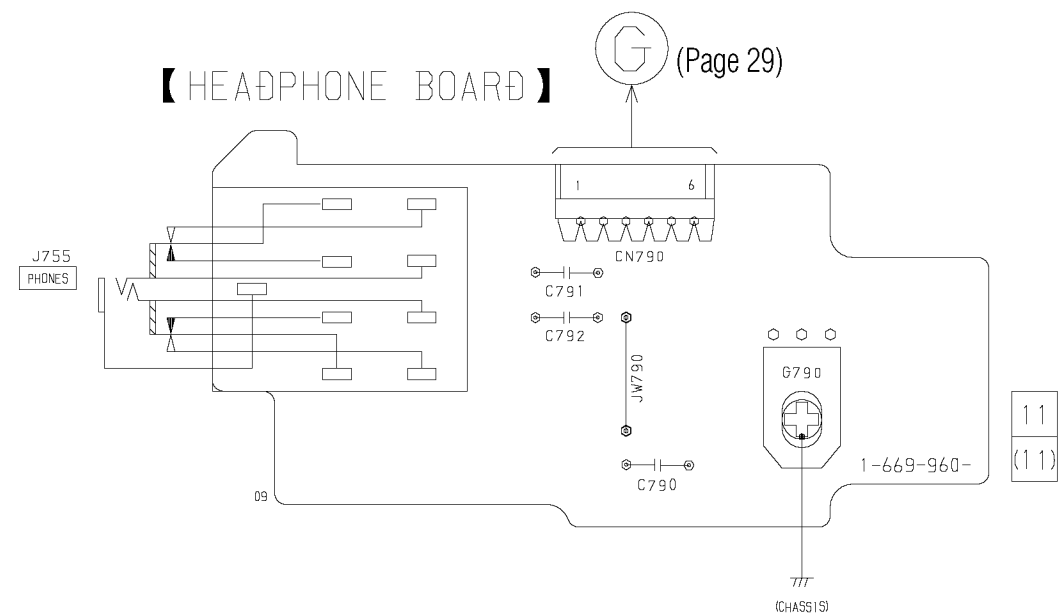
• Semiconductor Location

Ref. No.	Location
D631	A-9
D632	B-4
D633	C-5
D634	A-6
D635	C-7
D638	B-3
D639	B-1
D640	B-2
D641	B-6
D642	C-5
Q531	B-9
Q532	B-7
Q533	C-4
Q534	A-7
Q535	B-8
Q538	C-2
Q539	C-1
Q540	C-2

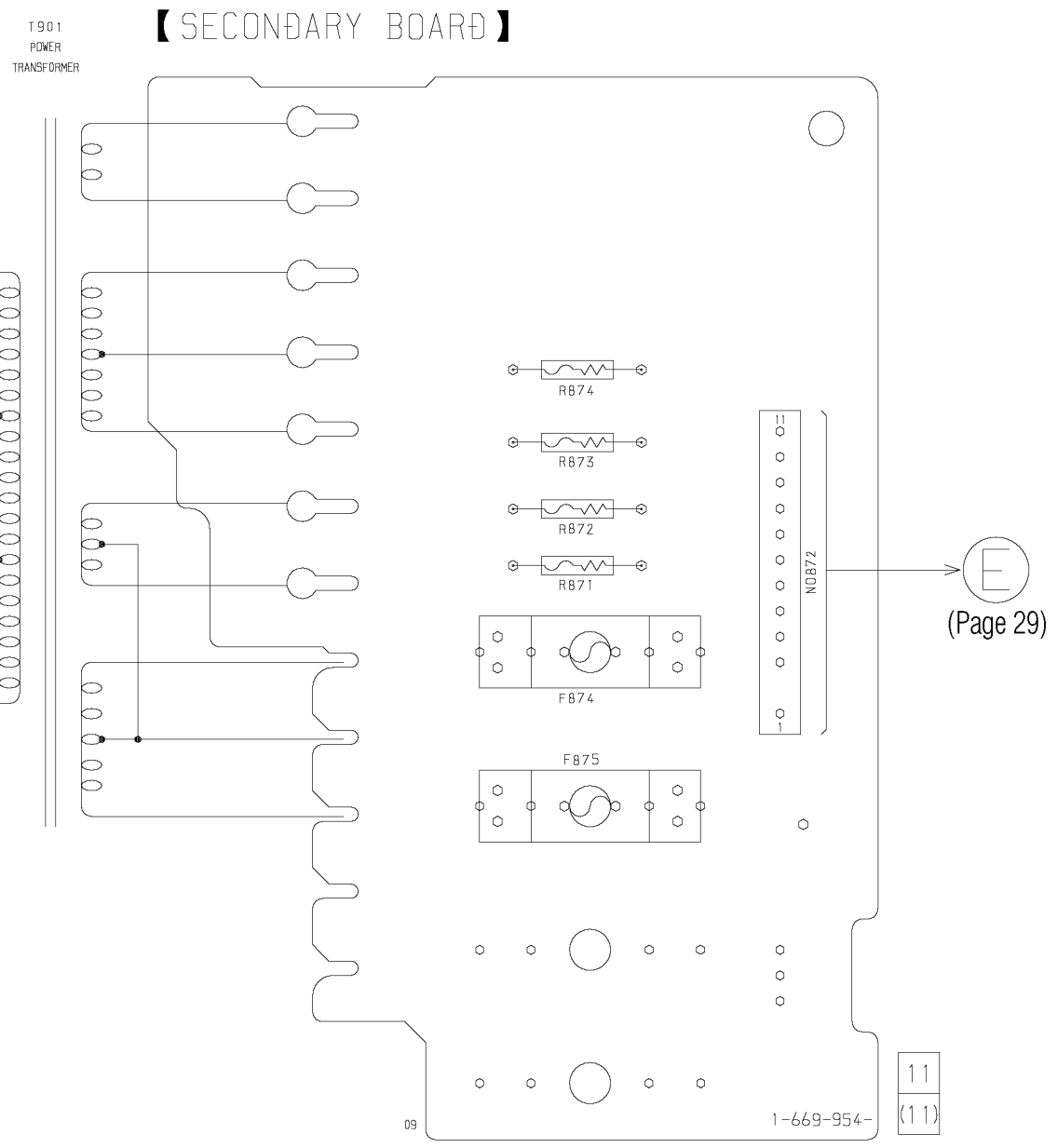
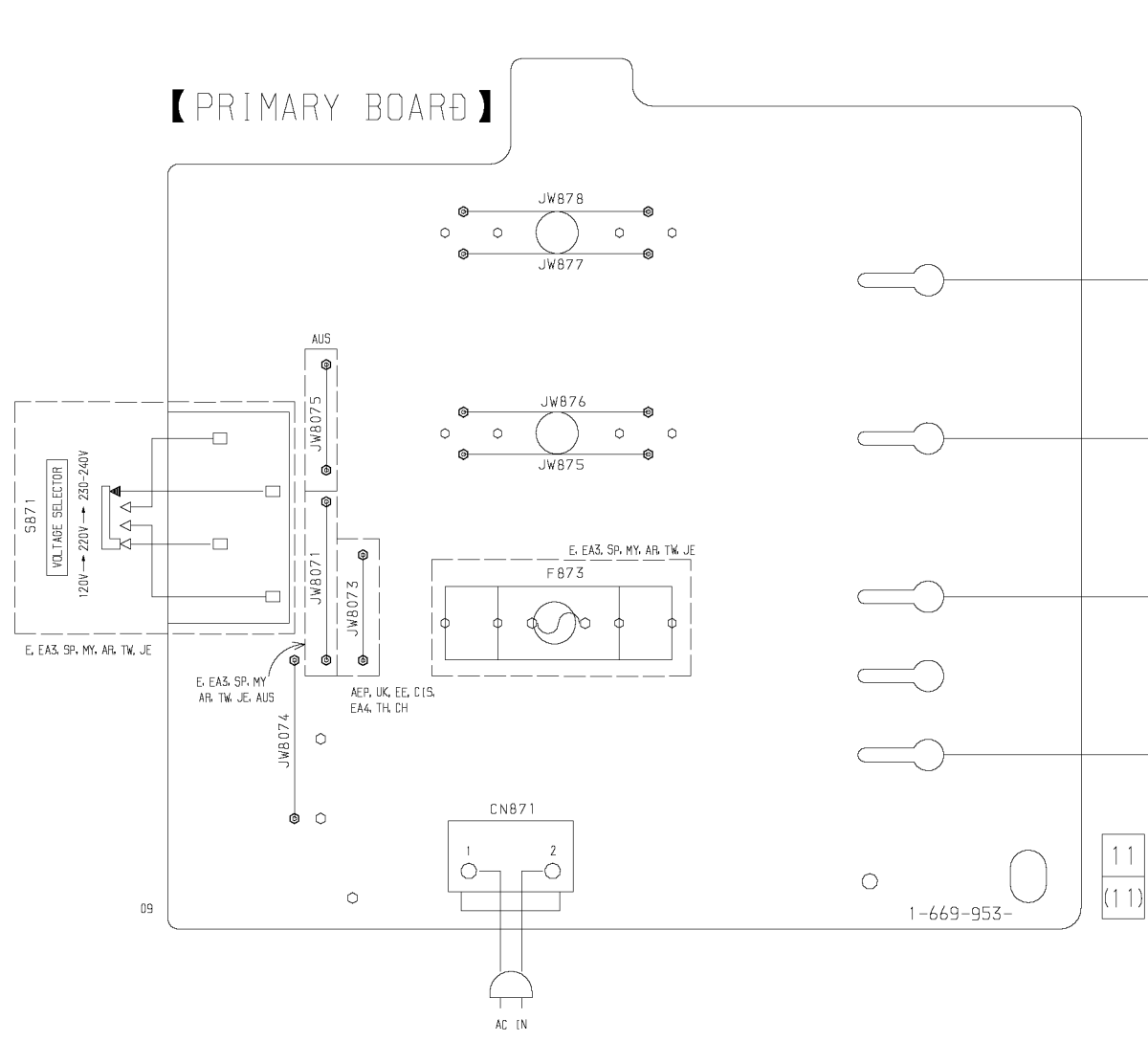
【MOTOR BOARD】



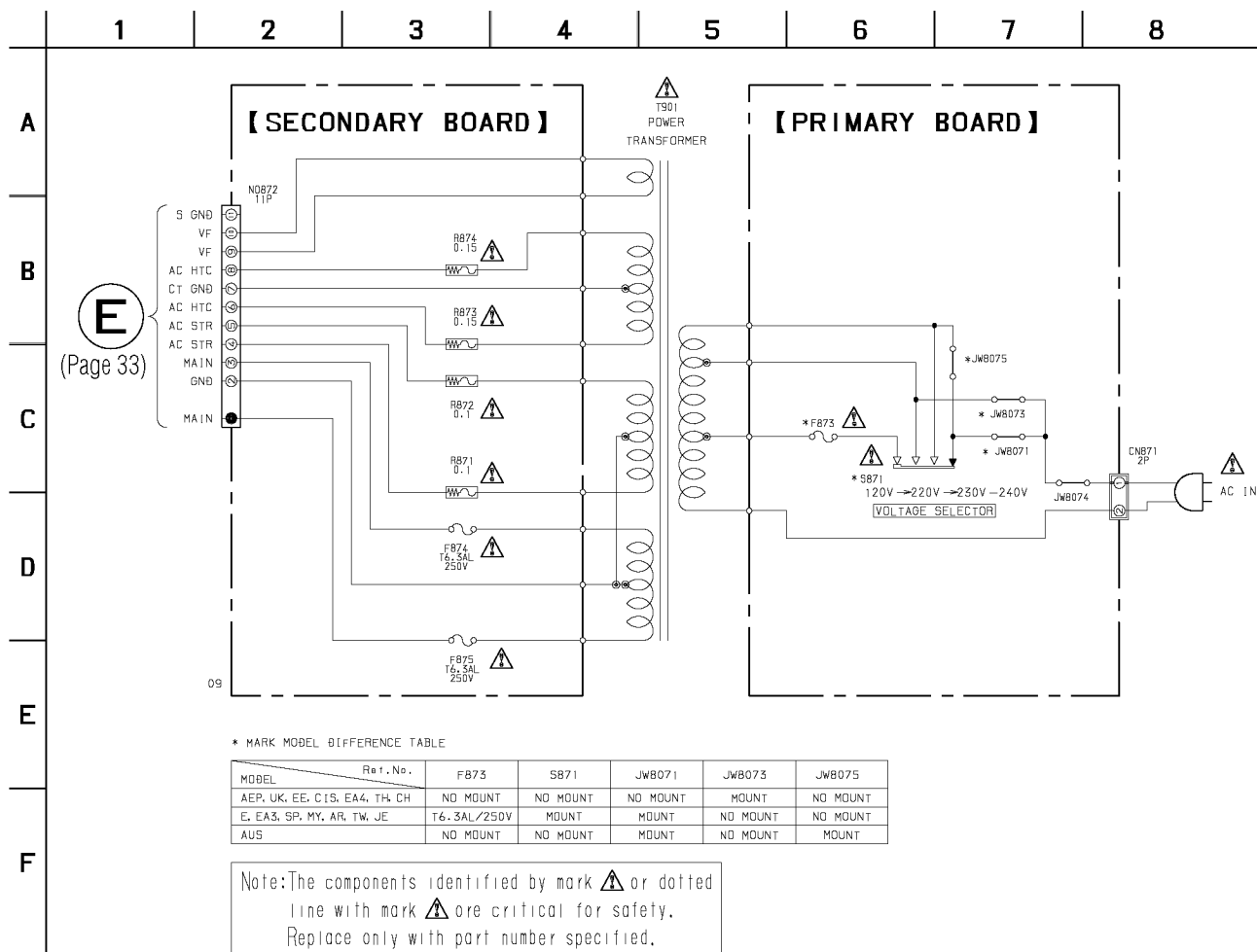
【HEADPHONE BOARD】



5-18. PRINTED WIRING BOARD – TRANS SECTION –  
 • See page 12 for Circuit Boards Location.

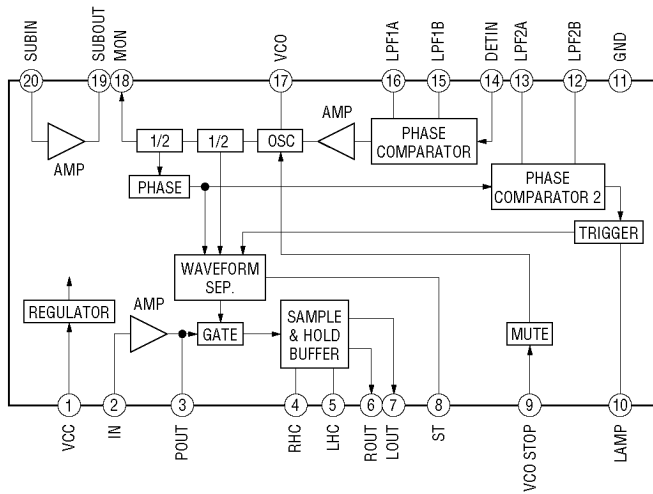


5-19. SCHEMATIC DIAGRAM – TRANS SECTION –

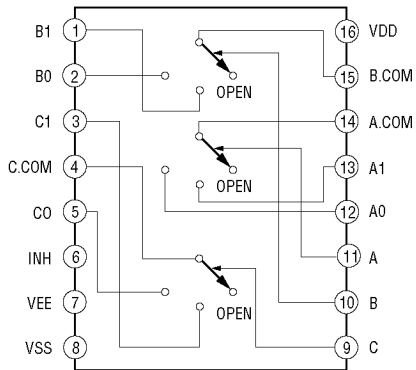




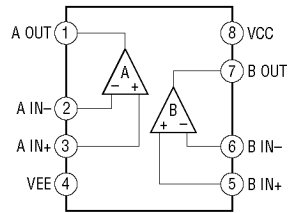
**IC1701 IR3R42**



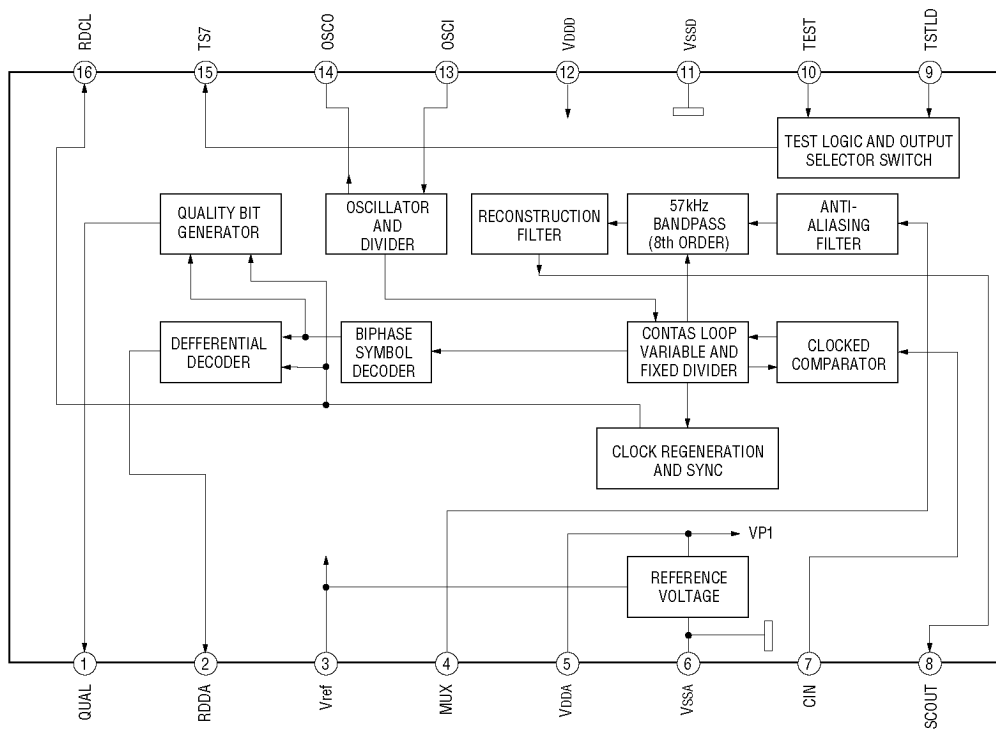
**IC1702 MC14053BCP**



**IC1751 NJM4558D**

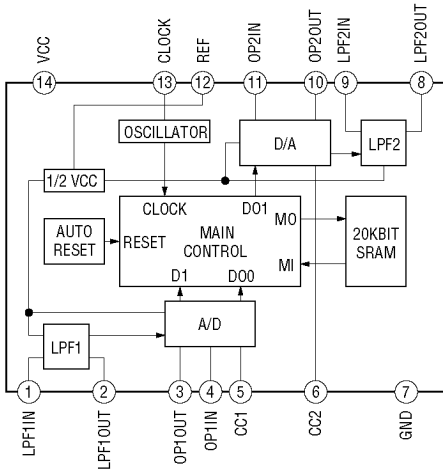


**IC1752 BU1922**

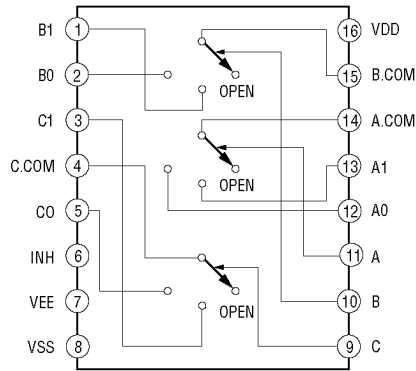


• Main (1/2) section

IC401 M65850P

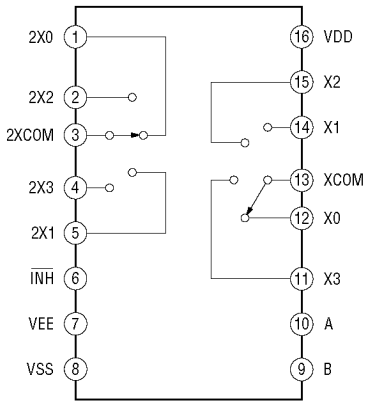


IC402 MC14053BCP

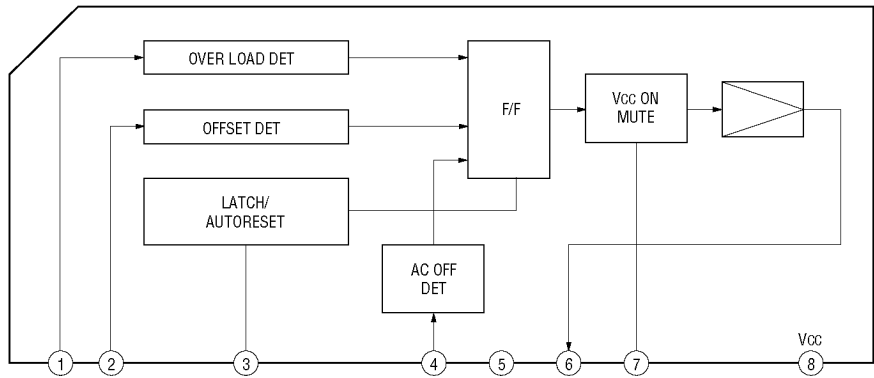


• Main (2/2) section

IC112 MC14052BCP

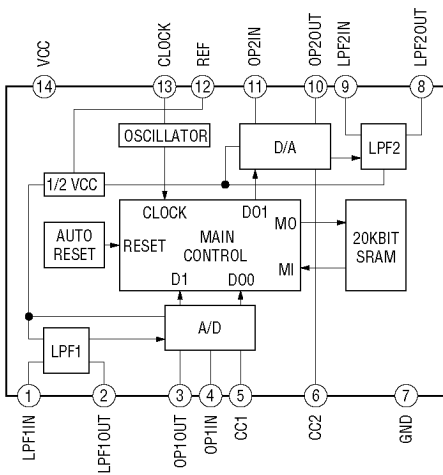


IC851 uPC1237HA



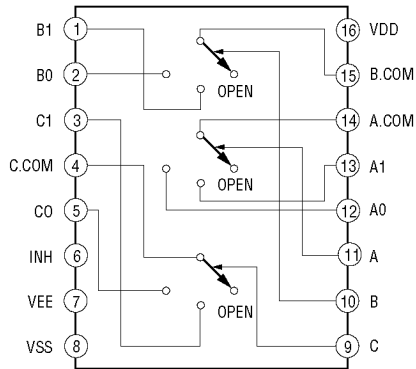
• MIC/ECHO section

IC6002 M65850P

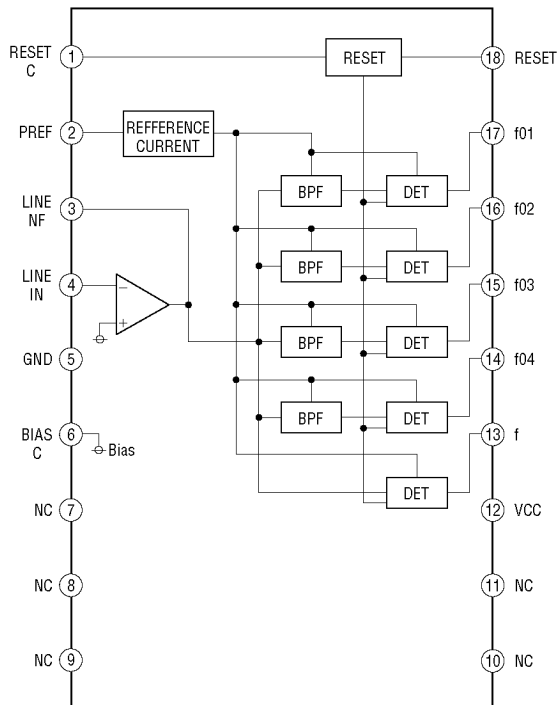


• Display section

IC505 MC14053BCP

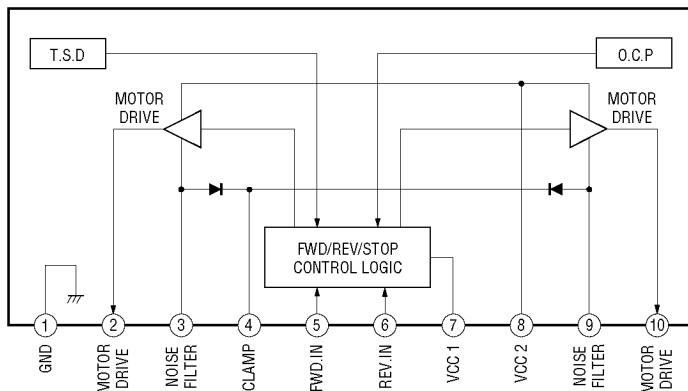


IC506 BA3833F



• Panel/Motor section

IC891 LB1641



## 5-21. IC PIN FUNCTION

### • IC501 SYSTEM CONTROL (uPD780016AYGF-012-3BA)

Pin No.	Pin Name	I/O	Function
1	CLK	O	Not used
2	LEVEL A	O	Surround level A signal output
3	LEVEL B	O	Surround level B signal output
4	PROLOGIC RLY	O	Not used
5	DBFB B2	O	DBFB level 2 signal output
6	DBFB B1	O	DBFB level 1 signal output
7	TA MUTE	O	Mute signal output
8	GND	—	Ground
9	TEST	—	Test terminal (Connected to ground)
10	X2	O	X'tal (5MHz)
11	X1	I	
12	VDD	—	Power supply (+5V)
13	XT2	O	X'tal (32kHz)
14	XT1	I	
15	RESET	I	Reset signal input
16	RDS CLK	I	RDS clock input
17	RDS DATA	I	RDS data input
18	VOL A	I	Rotary encoder (VOLUME) pulse input
19	VOL B	I	
20	JOG A	I	Rotary encoder (MULTI JOG STATION) pulse input
21	JOG B	I	
22	SPEANA CONT	O	Spectrum analyzer control output
23	VDD	—	Power supply (+5V)
24	A VDD	—	Analog power supply (+5V)
25	VACS	I	Audio input for VACS control
26	SPEANA0	I	Spectrum analyzer data input
27	SPEANA1	I	
28	KEY0	I	Key data input
29	KEY1	I	
30	KEY2	I	
31	KEY3	I	
32	ACCUT	I	Back up signal input
33	A VSS	—	Analog ground
34	GND	—	Ground
35	FL DATA	O	FL data output
36	FL CLK	O	FL clock output
37	FL LAT	O	FL latch output
38	FL RESET	O	FL reset output
39	GND	—	Ground
40	VSS	—	Ground

• Abbreviation

FL : Fluorescent indicator tube



Pin No.	Pin Name	I/O	Function
41	AV IN	I	AV INPUT (VIDEO 2) switch input
42	SENSOR IN	I	Sliding (panel) sensor signal input
43	SIRCS IN	I	Remote sensor signal input
44	SPEANE RST	O	Spectrum analyzer reset output
45	GND	—	Ground
46	GND	—	
47	GND	—	
48	GND	—	
49	SOFT	O	Soft test terminal
50	SEN	O	Auto indicator output
51	MOVIE A	O	LED driver output
52	MOVIE G	O	
53	MUSIC A	O	
54	MUSIC G	O	
55	I2C DATA	I/O	Serial data input/output
56	I2C CLK	I/O	Serial clock input/output
57	GAME A	O	LED driver output
58	GAME G	O	
59	PLACE A	O	
60	PLACE G	O	
61	PFILE A	O	
62	PFILE G	O	
63	GROOVE	O	
64	+/-	O	
65	JOG	O	
66	ENTER	O	
67	EFFECT	O	
68	KEYCON G	O	Not used
69	KEYCON A	O	
70	NON STOP	O	LED driver output
71	VSS	—	Ground
72	DELAY	O	LED driver output
73	REVER B	O	
74	SUFFIX0	I	Destination terminal
75	SUFFIX1	I	
76	SUFFIX2	I	
77	SUFFIX3	I	
78	WJ1/WJ3	I	Model select terminal
79	GND	—	Ground
80	VCD	I	VCD select terminal “L”: NON-VCD (Connected to ground)

Pin No.	Pin Name	I/O	Function
81	GND	–	Ground
82	MOTOR1	O	Panel motor control output
83	MOTOR2	O	
84	PANEL OPEN	O	Panel open switch output
85	PANEL CLOSE	O	Panel close switch output
86	ST.MUTE	O	ST mute signal output
87	STEREO	I	Stereo detection input for tuner
88	TUNED	I	Tuned detection input for tuner
89	LAT	O	Tuner PLL latch output
90	DATA IN	I	Tuner PLL data input
91	PCL OUT	O	Sub clock output
92	DATA OUT	O	Tuner PLL data output
93	CLK	O	Tuner clock output
94	POWER ON/OFF	O	Power on/off control output
95	GEQ LAT	O	GEQ latch output
96	GEQ DATA	O	GEQ data output
97	GEQ CLK	O	GEQ clock output
98	LAT1	O	Not used
99	LAT2	O	
100	DATA	O	

- Abbreviation

GEQ : Graphic Equalizer

PLL : Phase Locked Loop

## SECTION 6 EXPLODED VIEWS

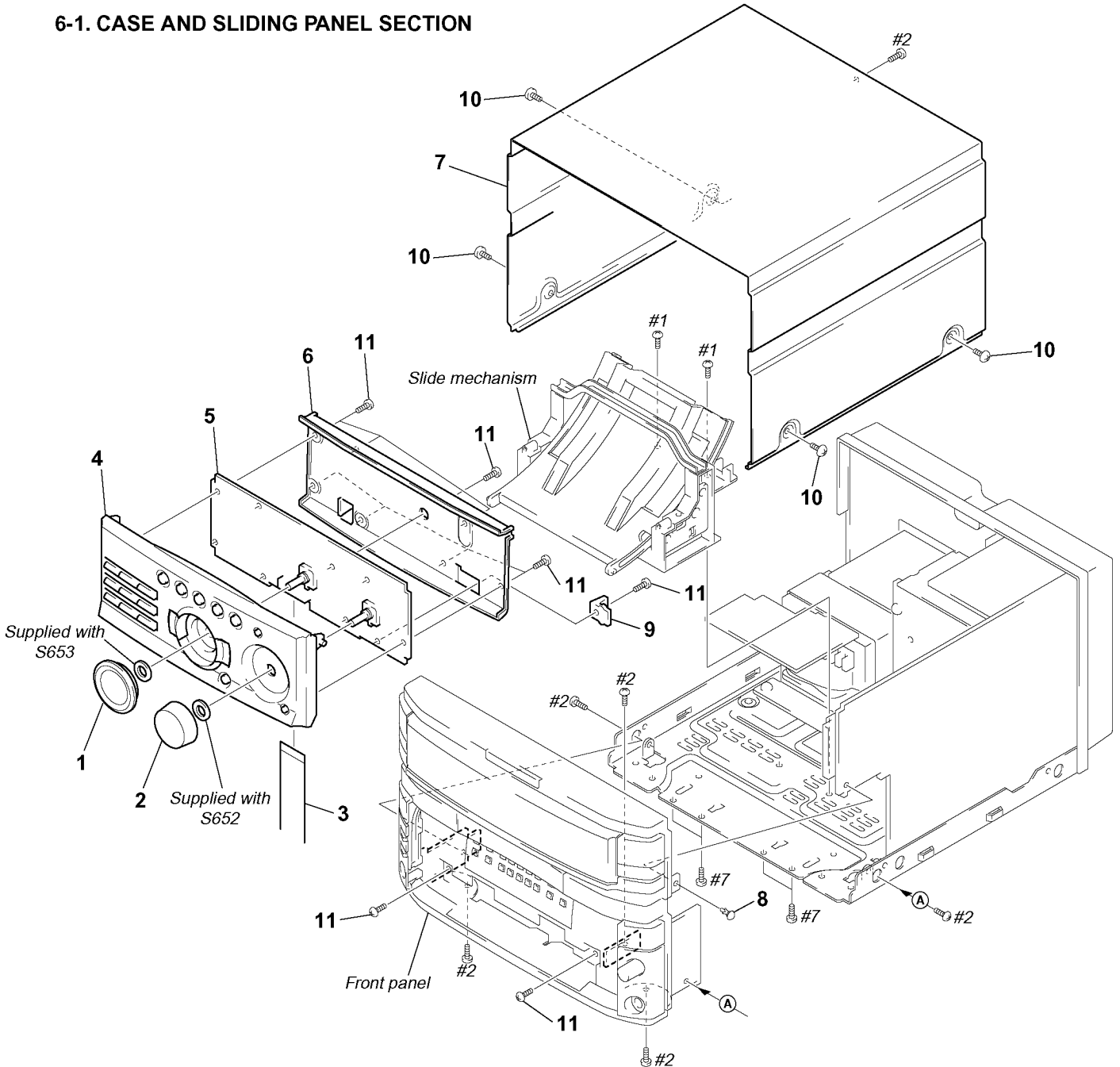
**NOTE:**

- Items marked “\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation  
 EE : East European model.  
 EA3 : Saudi Arabia model

- EA4 : Israel model
- SP : Singapore model.
- MY : Malaysia model.
- TW : Taiwan model
- AUS : Australian model.
- CH : Chinese model
- AR : Argentine model
- JE : Tourist model
- TH : Thai model.

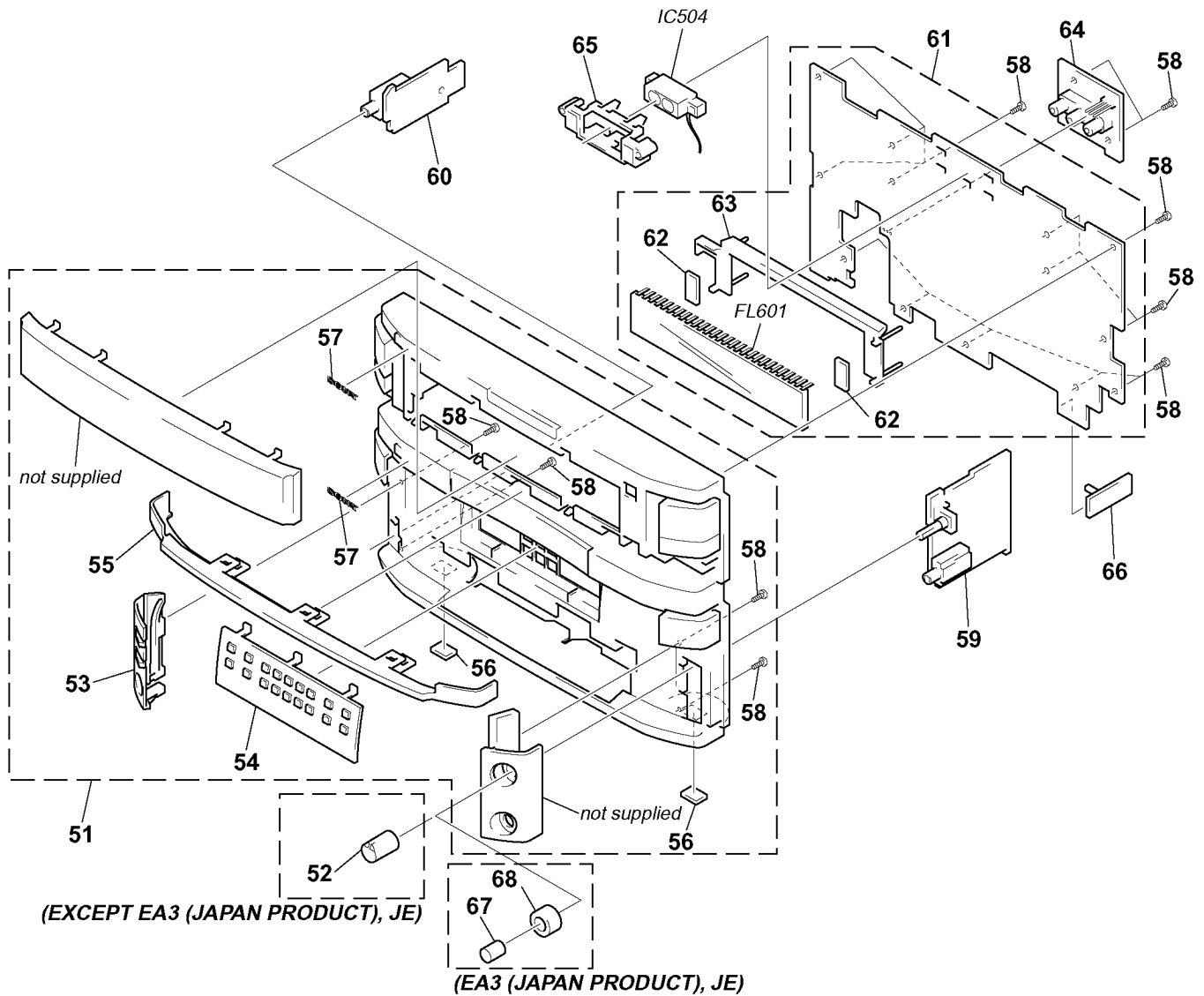
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

### 6-1. CASE AND SLIDING PANEL SECTION



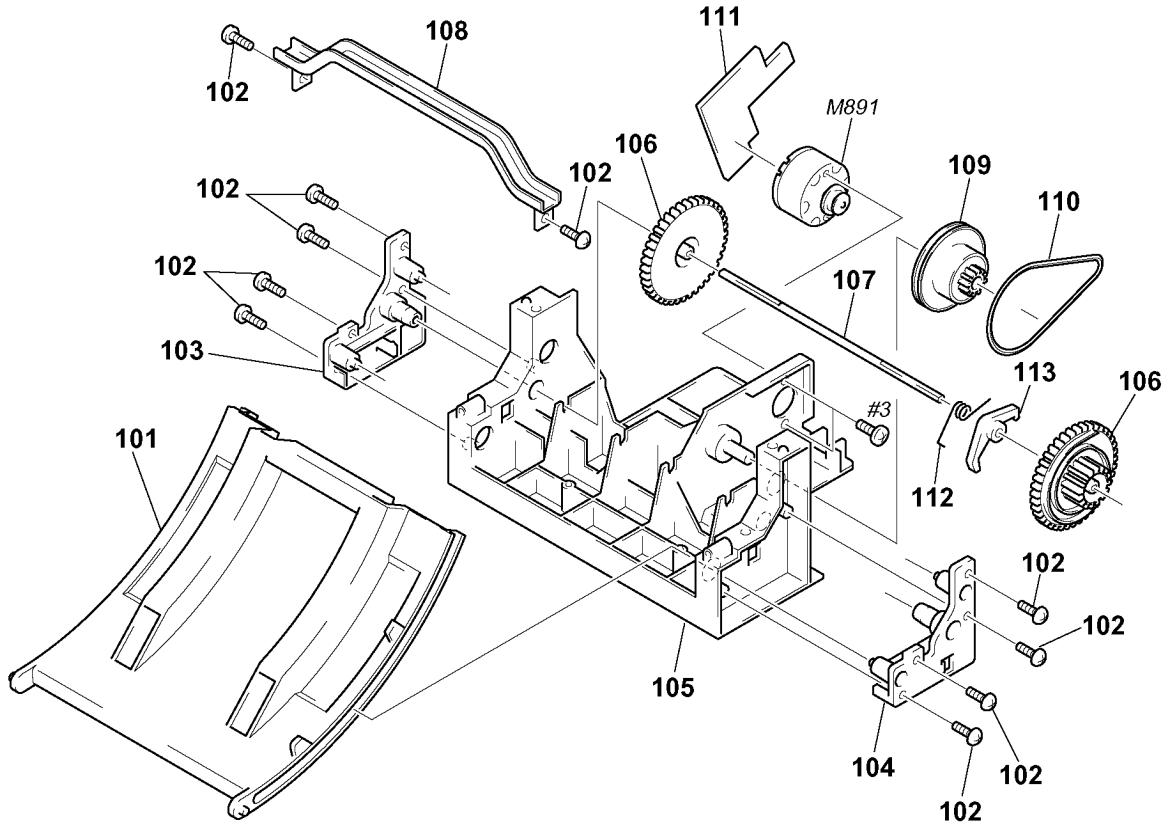
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-900-825-01	KNOB (JOG)		* 7	4-900-858-01	CASE	
2	4-900-826-01	KNOB (VOLUME)		8	3-531-576-11	RIVET	
3	1-773-125-11	WIRE (FLAT TYPE) (19 CORE)		* 9	4-900-852-01	HOLDER LEVEL	
4	X-4949-996-1	SLIDING PANEL SUB ASSY		10	3-363-099-01	SCREW (CASE 3 TP2)	
* 5	1-669-959-11	LOADING PANEL BOARD		11	4-951-620-01	SCREW (2.6X8), +BVTP	
6	4-900-855-01	COVER					

## 6-2. FRONT PANEL SECTION



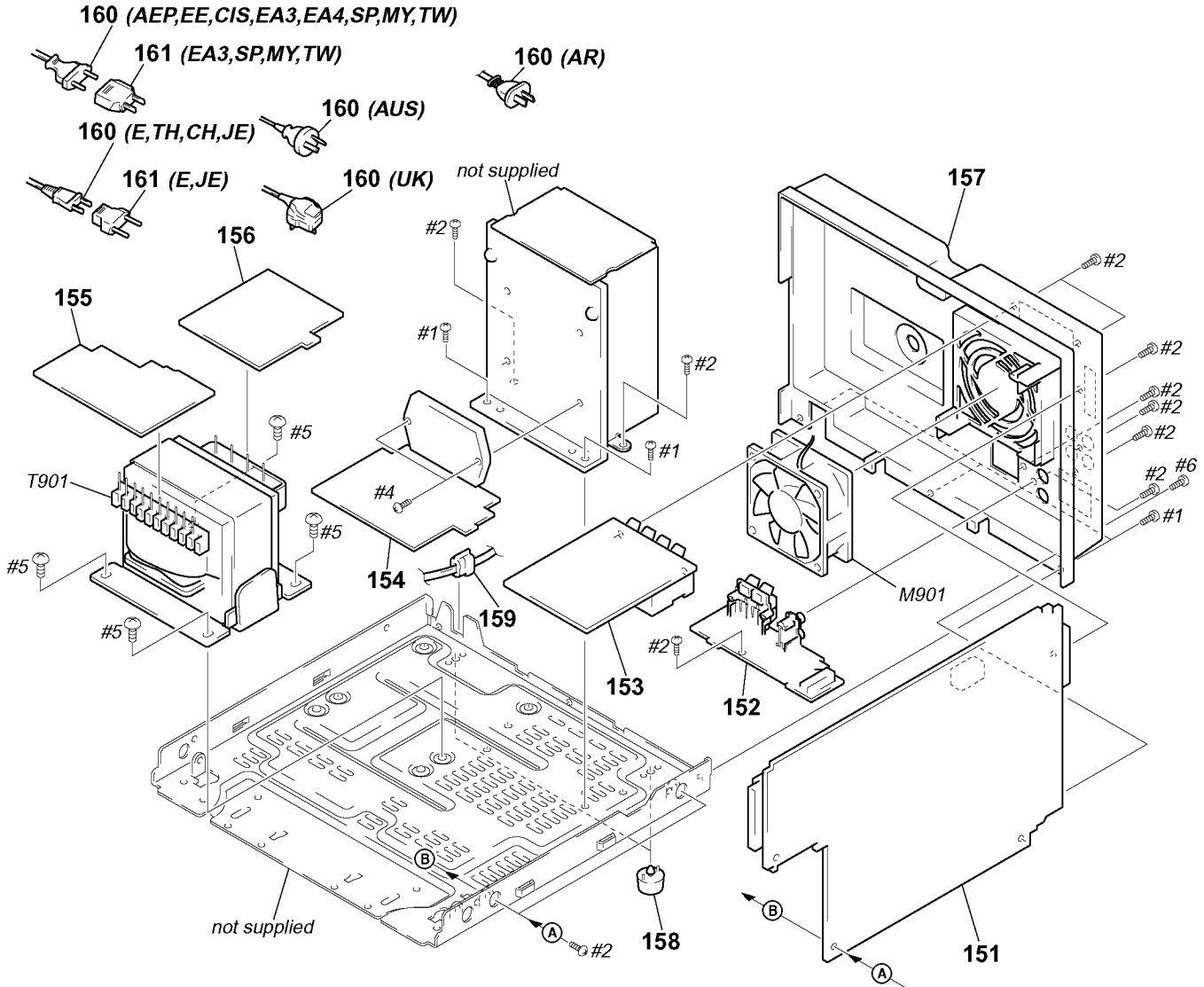
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4949-992-1	FRONT PANEL ASSY (E,EA3,EA4,SP,MY,AR,TW,TH,AUS,CH)		* 61	A-4414-544-A	PANEL BOARD, COMPLETE (E,AR)	
51	X-4950-003-1	FRONT PANEL ASSY (AEP,UK,EE,CIS)		* 61	A-4414-547-A	PANEL BOARD, COMPLETE (AUS)	
51	X-4950-247-1	FRONT PANEL ASSY (EA3(Japan Product),JE)		* 61	A-4414-551-A	PANEL BOARD, COMPLETE (EE,CIS)	
52	4-900-832-01	KNOB (MIC)(EXCEPT EA3(Japan Product),JE)		* 61	A-4414-746-A	PANEL BOARD, COMPLETE (JE)	
53	X-4949-993-1	ESCUTCHEON (L) ASSY		* 61	A-4414-754-A	PANEL BOARD, COMPLETE (EA3(Japan Product))	
54	X-4949-994-1	ESCUTCHEON (EQ) ASSY		* 61	A-4414-793-A	PANEL BOARD, COMPLETE (EA4,TH)	
55	X-4950-002-1	ESCUTCHEON (ST) ASSY (AEP,UK,EE,CIS)		* 62	4-932-810-11	CUSHION (FL)	
56	4-977-358-11	CUSHION		* 63	4-900-849-01	HOLDER (FL)	
57	4-962-708-11	EMBLEM (4-A), SONY		* 64	1-669-957-11	FRONT AV BOARD	
58	4-951-620-01	SCREW (2.6X8), +BVTP		* 65	4-210-042-01	BRACKET (SENSOR)	
* 59	A-4414-202-A	MIC/ECHO BOARD, COMPLETE (EXCEPT EA3(Japan Product),JE)		* 66	1-669-964-11	DETECTOR BOARD	
* 59	A-4414-718-A	MIC/ECHO BOARD, COMPLETE (EA3(Japan Product),JE)		67	4-900-868-01	KNOB (CENTER)	
* 60	1-669-960-11	HEADPHONE BOARD		68	4-900-867-01	KNOB (CONTROL)	
* 61	A-4414-196-A	PANEL BOARD, COMPLETE (AEP,UK)		FL601	1-517-775-11	INDICATOR TUBE, FLUORESCENT	
* 61	A-4414-212-A	PANEL BOARD, COMPLETE (EA3(Malaysia Product),SP,MY,TW,CH)		IC504	8-719-070-85	DIODE KU381-40	

### 6-3. SLIDE MECHANISM SECTION



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
101	4-900-844-01	LEVEL SLIDER		108	4-900-864-01	BRACKET TOP	
102	4-951-620-01	SCREW (2.6X8), +BVTP		109	4-900-847-01	GEAR (2)	
103	X-4950-394-1	HOLDER (L) ASSY		110	3-344-059-01	BELT (L)	
104	X-4950-395-1	HOLDER (R) ASSY		* 111	1-669-965-11	MOTOR BOARD	
105	4-900-845-01	BRACKET SLIDER		112	4-212-966-01	SPRING LEVEL	
106	4-900-846-01	GEAR (1)		113	4-212-965-01	STOPPER LEVEL	
107	4-900-862-01	SHAFT CENTER		M891	A-4660-926-A	MOTOR (CDM) ASSY	

## 6-4. CIRCUIT BOARDS AND BACK PANEL SECTION



The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 151	A-4414-190-A	MAIN BOARD, COMPLETE (AEP,UK)		* 156	1-669-953-11	PRIMARY BOARD	
* 151	A-4414-198-A	MAIN BOARD, COMPLETE (E,EA3(Malaysia Product),SP,MY,AR,TW,AUS,CH)		* 157	4-900-848-01	BACK PANEL (E,EA3,SP,MY,AR,TW,JE)	
* 151	A-4414-549-A	MAIN BOARD, COMPLETE (EE,CIS)		* 157	4-900-848-11	BACK PANEL (AEP,UK,EE,CIS,EA4,TH,AUS,CH)	
* 151	A-4414-714-A	MAIN BOARD, COMPLETE (EA3(Japan Product),JE)		158	4-970-381-11	FOOT (REAR)	
* 151	A-4414-765-A	MAIN BOARD, COMPLETE (EA4,TH)		* 159	3-703-244-00	BUSHING (2104), CORD (AEP,UK,EE,CIS,E,EA,SP,MY,AR,TW,AUS,CH,JE)	
* 152	1-669-963-11	SURR SPK BOARD		159	3-703-571-11	BUSHING (S) (4516), CORD (TH)	
153	1-233-545-31	ENCAPSULATED COMPONENT (E,EA4,AR,TH,AUS)		$\Delta$ 160	1-575-651-11	CORD, POWER (EA3(JAPAN PRODUCT))	
153	1-233-546-31	ENCAPSULATED COMPONENT (EA3,SP,MY,TW,CH)		$\Delta$ 160	1-575-653-11	CORD, POWER (TH,JE)	
153	1-693-385-31	TUNER (JE)		$\Delta$ 160	1-696-847-11	CORD, POWER (AUS)	
* 153	A-4303-597-A	TCB BOARD (EE,CIS)		$\Delta$ 160	1-751-520-11	CORD, POWER (UK)	
* 153	A-4303-596-A	TCB BOARD (AEP,UK)		$\Delta$ 160	1-777-071-21	CORD, POWER (AEP,EE,CIS,EA3,EA4,SP,MY,TW)	
* 154	A-4414-195-A	POWER AMP BOARD, COMPLETE (AEP,UK)		$\Delta$ 160	1-783-940-11	CORD, POWER (AR)	
* 154	A-4414-209-A	POWER AMP BOARD, COMPLETE (EE,CIS,E,EA3(Malaysia Product),SP,MY,AR,TW,AUS,CH)		$\Delta$ 160	1-782-315-11	CORD, POWER (E)	
* 154	A-4414-743-A	POWER AMP BOARD, COMPLETE (EA3(Japan Product),JE)		$\Delta$ 160	1-783-205-11	CORD, POWER (CH)	
* 154	A-4414-790-A	POWER AMP BOARD, COMPLETE (EA4,TH)		$\Delta$ 161	1-569-007-11	ADAPTOR, CONVERSION 2P (E,JE)	
* 155	1-669-954-11	SECONDARY BOARD		$\Delta$ 161	1-569-008-21	ADAPTOR, CONVERSION 2P (EA3,SP,MY,TW)	
				M901	1-763-117-11	FAN, DC	
				$\Delta$ T901	1-431-904-11	TRANSFORMER, POWER (E,EA3,EA4,SP,MY,AR,TW,TH,AUS,CH,JE)	
				$\Delta$ T901	1-431-905-11	TRANSFORMER, POWER (AEP,UK,EE,CIS)	

# SECTION 7 ELECTRICAL PARTS LIST

DETECTOR

FRONT AV

HEADPHONE

LOADING PANEL

Note:

The components identified by mark  $\Delta$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

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

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS  
All resistors are in ohms  
METAL: Metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F : nonflammable
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$  A..., uPA...:  $\mu$  PA..., uPB...:  $\mu$  PB...,  
uPC...:  $\mu$  PC..., uPD...:  $\mu$  PD...

- CAPACITORS  
uF :  $\mu$  F
- COILS  
uH :  $\mu$  H
- Abbreviation  
EE : East European model.  
EA3 : Saudi Arabia model  
EA4 : Israel model  
EA : Middle East model  
(Saudi Arabia and Israel)  
SP : Singapore model.  
MY : Malaysia model.  
TW : Taiwan model  
AUS : Australian model.  
CH : Chinese model  
AR : Argentine model  
JE : Tourist model  
TH : Thai model.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-669-964-11	DETECTOR BOARD *****		R6307	1-249-425-11	CARBON 4.7K 5%	1/4W F
		< CONNECTOR >		R6308	1-249-429-11	CARBON 10K 5%	1/4W
				*****			
* CN505	1-568-941-11	PIN, CONNECTOR 3P  < SWITCH >		*	1-669-960-11	HEADPHONE BOARD *****	
S892	1-571-300-21	SWITCH, ROTARY (PANEL OPEN/CLOSE)				< CAPACITOR >	
*****				C790	1-162-306-11	CERAMIC 0.01uF 20%	16V
				C791	1-162-294-31	CERAMIC 0.001uF 10%	50V
				C792	1-162-294-31	CERAMIC 0.001uF 10%	50V
*	1-669-957-11	FRONT AV BOARD *****				< CONNECTOR >	
	7-685-872-09	SCREW +BVTT 3X8 (S)		* CN790	1-568-944-11	PIN, CONNECTOR 6P  < EARTH >	
		< CAPACITOR >		* G790	1-537-738-21	TERMINAL, EARTH  < JACK >	
C6301	1-162-282-31	CERAMIC 100PF 10%	50V	J755	1-770-226-11	JACK (LARGE TYPE)(PHONES)	
C6302	1-162-282-31	CERAMIC 100PF 10%	50V	*****			
C6303	1-162-306-11	CERAMIC 0.01uF 20%	16V	*	1-669-959-11	LOADING PANEL BOARD *****	
		< CONNECTOR >				< CAPACITOR >	
* CN6301	1-564-520-11	PLUG, CONNECTOR 5P		C626	1-124-584-00	ELECT 100uF 20%	10V
* CN6302	1-560-666-00	PIN, CONNECTOR 3P  < DIODE >		C627	1-162-306-11	CERAMIC 0.01uF 20%	16V
D6301	8-719-911-19	DIODE 1SS119-25		C628	1-162-306-11	CERAMIC 0.01uF 20%	16V
D6302	8-719-911-19	DIODE 1SS119-25		C629	1-162-306-11	CERAMIC 0.01uF 20%	16V
D6303	8-719-911-19	DIODE 1SS119-25  < JACK >		C630	1-162-306-11	CERAMIC 0.01uF 20%	16V
J6301	1-784-901-11	JACK, PIN 3P (AV INPUT (VIDEO2))  < TRANSISTOR >				< CONNECTOR >	
Q6301	8-729-900-36	TRANSISTOR DTC124ES  < RESISTOR >		CN630	1-569-308-11	SOCKET, CONNECTOR (L TYRE) 19P  < DIODE >	
R6301	1-249-417-11	CARBON 1K 5%	1/4W F	D631	8-719-046-39	DIODE SEL5821A-TH15 (GROOVE)	
R6302	1-249-417-11	CARBON 1K 5%	1/4W F	D632	8-719-046-44	DIODE SEL5221S (◀◀→)	
R6303	1-249-441-11	CARBON 100K 5%	1/4W	D633	8-719-058-04	DIODE SEL5223S-TP15 (MULTI JOG STATION)	
R6304	1-249-441-11	CARBON 100K 5%	1/4W	D634	8-719-046-44	DIODE SEL5221S (ENTER/NEXT)	
R6305	1-249-425-11	CARBON 4.7K 5%	1/4W F	D635	8-719-046-44	DIODE SEL5221S (EFFECT ON/OFF)	
R6306	1-249-425-11	CARBON 4.7K 5%	1/4W F	D638	8-719-046-44	DIODE SEL5221S (NON-STOP)	

**LOADING PANEL**

**MAIN**

Ref. No.	Part No.	Description	Remark
D639	8-719-046-44	DIODE SEL5221S (DSP DELAY)	
D640	8-719-046-44	DIODE SEL5221S (DSP REVERB)	
D641	8-719-046-44	DIODE SEL5221S (▶▶ +)	
D642	8-719-058-04	DIODE SEL5223S-TP15 (MULTI JOG STATION)	
< TRANSISTOR >			
Q531	8-729-900-80	TRANSISTOR DTC114ES	
Q532	8-729-900-80	TRANSISTOR DTC114ES	
Q533	8-729-900-80	TRANSISTOR DTC114ES	
Q534	8-729-900-80	TRANSISTOR DTC114ES	
Q535	8-729-900-80	TRANSISTOR DTC114ES	
Q538	8-729-900-80	TRANSISTOR DTC114ES	
Q539	8-729-900-80	TRANSISTOR DTC114ES	
Q540	8-729-900-80	TRANSISTOR DTC114ES	
< RESISTOR >			
R631	1-249-410-11	CARBON	270 5% 1/4W F
R632	1-249-410-11	CARBON	270 5% 1/4W F
R633	1-247-807-31	CARBON	100 5% 1/4W
R634	1-249-410-11	CARBON	270 5% 1/4W F
R635	1-249-416-11	CARBON	820 5% 1/4W F
R638	1-249-416-11	CARBON	820 5% 1/4W F
R639	1-249-416-11	CARBON	820 5% 1/4W F
R640	1-249-416-11	CARBON	820 5% 1/4W F
R641	1-247-807-31	CARBON	100 5% 1/4W
R642	1-249-407-11	CARBON	150 5% 1/4W F
R643	1-249-409-11	CARBON	220 5% 1/4W F
R644	1-249-411-11	CARBON	330 5% 1/4W
R645	1-249-411-11	CARBON	330 5% 1/4W
R646	1-249-413-11	CARBON	470 5% 1/4W F
R647	1-249-415-11	CARBON	680 5% 1/4W F
R648	1-249-417-11	CARBON	1K 5% 1/4W F
R649	1-249-419-11	CARBON	1.5K 5% 1/4W F
R650	1-249-421-11	CARBON	2.2K 5% 1/4W F
R651	1-247-843-11	CARBON	3.3K 5% 1/4W
R652	1-249-417-11	CARBON	1K 5% 1/4W F
R653	1-247-807-31	CARBON	100 5% 1/4W
R654	1-249-407-11	CARBON	150 5% 1/4W F
R655	1-249-409-11	CARBON	220 5% 1/4W F
R656	1-249-411-11	CARBON	330 5% 1/4W
R657	1-249-411-11	CARBON	330 5% 1/4W
R658	1-249-413-11	CARBON	470 5% 1/4W F
R659	1-249-415-11	CARBON	680 5% 1/4W F
R660	1-249-429-11	CARBON	10K 5% 1/4W
R661	1-249-429-11	CARBON	10K 5% 1/4W
R662	1-249-429-11	CARBON	10K 5% 1/4W
R663	1-249-429-11	CARBON	10K 5% 1/4W
R665	1-247-843-11	CARBON	3.3K 5% 1/4W
R666	1-247-843-11	CARBON	3.3K 5% 1/4W
R671	1-247-807-31	CARBON	100 5% 1/4W
R672	1-247-807-31	CARBON	100 5% 1/4W
R673	1-247-807-31	CARBON	100 5% 1/4W
R674	1-247-807-31	CARBON	100 5% 1/4W
R675	1-247-807-31	CARBON	100 5% 1/4W
R678	1-247-807-31	CARBON	100 5% 1/4W
R679	1-247-807-31	CARBON	100 5% 1/4W
R680	1-247-807-31	CARBON	100 5% 1/4W

Ref. No.	Part No.	Description	Remark
< SWITCH >			
S631	1-762-378-11	SWITCH, TACTILE (◀◀ -)	
S632	1-762-378-11	SWITCH, TACTILE (GAME)	
S633	1-762-378-11	SWITCH, TACTILE (MUSIC)	
S634	1-762-378-11	SWITCH, TACTILE (MOVIE)	
S635	1-762-378-11	SWITCH, TACTILE (DSP DELAY)	
S636	1-762-378-11	SWITCH, TACTILE (CD REPEAT)	
S637	1-762-378-11	SWITCH, TACTILE (FLASH)	
S638	1-762-378-11	SWITCH, TACTILE (DSP REVERB)	
S639	1-762-378-11	SWITCH, TACTILE (CD PLAY MODE)	
S640	1-762-378-11	SWITCH, TACTILE (CD EDIT)	
S641	1-762-378-11	SWITCH, TACTILE (NON-STOP)	
S642	1-762-378-11	SWITCH, TACTILE (DBFB)	
S643	1-762-378-11	SWITCH, TACTILE (ENTER/NEXT)	
S644	1-762-378-11	SWITCH, TACTILE (▶▶ +)	
S645	1-762-378-11	SWITCH, TACTILE (GROOVE)	
S648	1-762-378-11	SWITCH, TACTILE (EFFECT ON/OFF)	
S649	1-762-378-11	SWITCH, TACTILE (P FILE)	
S650	1-762-378-11	SWITCH, TACTILE (PLACE)	
S651	1-762-378-11	SWITCH, TACTILE (LOOP)	
S652	1-473-392-11	ENCODER, ROTARY (VOLUME)	
S653	1-467-968-11	ENCODER, ROTARY (MULTI JOG STATION)	
*****			
*	A-4414-190-A	MAIN BOARD, COMPLETE (AEP,UK)	*****
*	A-4414-198-A	MAIN BOARD, COMPLETE	***** (E,EA3(Malaysia Product),SP,MY,AR,TW,AUS,CH)
*	A-4414-549-A	MAIN BOARD, COMPLETE (EE,CIS)	*****
*	A-4414-714-A	MAIN BOARD, COMPLETE	***** (EA3(Japan Product),JE)
*	A-4414-765-A	MAIN BOARD, COMPLETE (EA4,TH)	*****
< CAPACITOR >			
C101	1-162-286-31	CERAMIC	220PF 10% 50V (AEP,UK)
C103	1-126-963-11	ELECT	4.7uF 20% 50V
C104	1-162-286-31	CERAMIC	220PF 10% 50V (AEP,UK)
C105	1-164-159-11	CERAMIC	0.1uF 50V
C108	1-126-960-11	ELECT	1uF 20% 50V
C111	1-136-171-00	FILM	0.33uF 5% 50V
C112	1-136-161-00	FILM	0.047uF 5% 50V
C113	1-164-159-11	CERAMIC	0.1uF 50V
C114	1-130-480-00	MYLAR	0.0056uF 5% 50V
C115	1-136-159-00	FILM	0.033uF 5% 50V
C116	1-162-301-11	CERAMIC	0.0015uF 20% 16V
C117	1-162-306-11	CERAMIC	0.01uF 20% 16V
C118	1-162-290-31	CERAMIC	470PF 10% 50V
C119	1-162-600-11	CERAMIC	0.0047uF 30% 16V
C120	1-162-302-11	CERAMIC	0.0022uF 20% 16V



Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C121	1-126-964-11	ELECT	10uF	20%	50V	C418	1-126-964-11	ELECT	10uF	20%	50V
C122	1-162-291-31	CERAMIC	560PF	10%	50V	C731	1-104-664-11	ELECT	47uF	20%	25V
C123	1-136-165-00	FILM	0.1uF	5%	50V	C732	1-126-964-11	ELECT	10uF	20%	50V
C124	1-136-165-00	FILM	0.1uF	5%	50V	C751	1-136-495-11	FILM	0.068uF	5%	50V (AEP,UK)
C125	1-164-159-11	CERAMIC	0.1uF		50V						
C126	1-126-964-11	ELECT	10uF	20%	50V	C761	1-136-495-11	FILM	0.068uF	5%	50V (AEP,UK)
C127	1-104-665-11	ELECT	100uF	20%	10V						
C128	1-164-159-11	CERAMIC	0.1uF		50V	C801	1-136-165-00	FILM	0.1uF	5%	50V
C129	1-126-964-11	ELECT	10uF	20%	50V	C802	1-136-165-00	FILM	0.1uF	5%	50V
C131	1-126-961-11	ELECT	2.2uF	20%	50V	C803	1-104-482-11	ELECT	4700uF	20%	63V
C134	1-104-664-11	ELECT	47uF	20%	25V	C804	1-104-482-11	ELECT	4700uF	20%	63V
C135	1-126-959-11	ELECT	0.47uF	20%	50V	C805	1-126-948-11	ELECT	100uF	20%	35V
C151	1-162-286-31	CERAMIC	220PF	10%	50V (AEP,UK)	C806	1-126-964-11	ELECT	10uF	20%	50V
C153	1-126-963-11	ELECT	4.7uF	20%	50V	C807	1-136-165-00	FILM	0.1uF	5%	50V
C154	1-162-286-31	CERAMIC	220PF	10%	50V (AEP,UK)	C808	1-136-165-00	FILM	0.1uF	5%	50V
						C809	1-126-943-11	ELECT	2200uF	20%	25V
C161	1-136-171-00	FILM	0.33uF	5%	50V	C810	1-126-943-11	ELECT	2200uF	20%	25V
C162	1-136-161-00	FILM	0.047uF	5%	50V	C815	1-126-940-11	ELECT	330uF	20%	25V
C163	1-164-159-11	CERAMIC	0.1uF		50V	C816	1-126-941-11	ELECT	470uF	20%	25V
C164	1-130-480-00	MYLAR	0.0056uF	5%	50V	C818	1-126-959-11	ELECT	0.47uF	20%	50V
C165	1-136-159-00	FILM	0.033uF	5%	50V	C819	1-104-664-11	ELECT	47uF	20%	25V
C166	1-162-301-11	CERAMIC	0.0015uF	20%	16V	C820	1-126-959-11	ELECT	0.47uF	20%	50V
C167	1-162-306-11	CERAMIC	0.01uF	20%	16V	C821	1-104-664-11	ELECT	47uF	20%	25V
C168	1-162-290-31	CERAMIC	470PF	10%	50V	C822	1-126-940-11	ELECT	330uF	20%	25V
C169	1-162-600-11	CERAMIC	0.0047uF	30%	16V	C823	1-126-960-11	ELECT	1uF	20%	50V
C170	1-162-302-11	CERAMIC	0.0022uF	20%	16V	C824	1-104-665-11	ELECT	100uF	20%	10V
C171	1-126-964-11	ELECT	10uF	20%	50V	C825	1-126-959-11	ELECT	0.47uF	20%	50V
C172	1-162-291-31	CERAMIC	560PF	10%	50V	C826	1-104-664-11	ELECT	47uF	20%	25V
C173	1-136-165-00	FILM	0.1uF	5%	50V	C851	1-126-964-11	ELECT	10uF	20%	50V
C174	1-136-165-00	FILM	0.1uF	5%	50V	C852	1-104-665-11	ELECT	100uF	20%	10V
C175	1-136-495-11	FILM	0.068uF	5%	50V	C853	1-164-159-11	CERAMIC	0.1uF		50V
C176	1-162-306-11	CERAMIC	0.01uF	20%	16V	C854	1-126-961-11	ELECT	2.2uF	20%	50V
C177	1-104-665-11	ELECT	100uF	20%	10V	C855	1-126-934-11	ELECT	220uF	20%	10V
C178	1-164-159-11	CERAMIC	0.1uF		50V	C856	1-104-665-11	ELECT	100uF	20%	10V
C181	1-126-961-11	ELECT	2.2uF	20%	50V						< CONNECTOR >
C183	1-126-960-11	ELECT	1uF	20%	50V						
C184	1-162-303-11	CERAMIC	0.0033uF	30%	16V	* CN101	1-764-017-21	HOUSING,CONNECTOR (PC BOARD)	17P		
C186	1-162-292-31	CERAMIC	680PF	10%	50V	CN103	1-774-289-11	PIN, CONNECTOR (PC BOARD)	15P		
C187	1-126-961-11	ELECT	2.2uF	20%	50V	* CN131	1-564-507-11	PLUG, CONNECTOR	4P		
C188	1-126-960-11	ELECT	1uF	20%	50V	CN701	1-778-311-11	SOCKET, CONNECTOR (PC BOARD)	30P		
C401	1-126-964-11	ELECT	10uF	20%	50V	* CN731	1-569-496-11	SOCKET, CONNECTOR	10P		
C402	1-162-306-11	CERAMIC	0.01uF	20%	16V	CN801	1-691-773-11	PLUG (MICRO CONNECTOR)	11P		
C403	1-162-294-31	CERAMIC	0.001uF	10%	50V						< DIODE >
C404	1-136-495-11	FILM	0.068uF	5%	50V						
C405	1-126-957-11	ELECT	0.22uF	20%	50V	D101	8-719-911-19	DIODE	1SS119-25		
C406	1-126-957-11	ELECT	0.22uF	20%	50V	D102	8-719-911-19	DIODE	1SS119-25		
C407	1-104-664-11	ELECT	47uF	20%	25V	D131	8-719-911-19	DIODE	1SS119-25		
C408	1-164-159-11	CERAMIC	0.1uF		50V	D401	8-719-911-19	DIODE	1SS119-25		
C409	1-104-664-11	ELECT	47uF	20%	25V	D402	8-719-911-19	DIODE	1SS119-25		
C410	1-136-495-11	FILM	0.068uF	5%	50V	D403	8-719-911-19	DIODE	1SS119-25		
C411	1-162-305-11	CERAMIC	0.0068uF	20%	16V	D751	8-719-911-19	DIODE	1SS119-25		
C412	1-162-294-31	CERAMIC	0.001uF	10%	50V	D752	8-719-911-19	DIODE	1SS119-25		
C413	1-126-964-11	ELECT	10uF	20%	50V	D761	8-719-911-19	DIODE	1SS119-25		
C414	1-126-964-11	ELECT	10uF	20%	50V	D781	8-719-024-99	DIODE	11ES2-NTA2B		
C415	1-104-664-11	ELECT	47uF	20%	25V	D801	8-719-302-38	DIODE	RBV-602-01		
C416	1-104-664-11	ELECT	47uF	20%	25V	D802	8-719-911-19	DIODE	1SS119-25		
C417	1-126-964-11	ELECT	10uF	20%	50V	D803	8-719-911-19	DIODE	1SS119-25		
						D804	8-719-934-22	DIODE	HZS30-2L		

**MAIN**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D805	8-719-024-99	DIODE 11ES2-NTA2B		R105	1-249-441-11	CARBON 100K 5%	1/4W
D806	8-719-024-99	DIODE 11ES2-NTA2B		R106	1-249-417-11	CARBON 1K 5%	1/4W F
D807	8-719-024-99	DIODE 11ES2-NTA2B		R108	1-249-417-11	CARBON 1K 5%	1/4W F
D808	8-719-024-99	DIODE 11ES2-NTA2B		R109	1-249-441-11	CARBON 100K 5%	1/4W
D810	8-719-024-99	DIODE 11ES2-NTA2B		R111	1-249-417-11	CARBON 1K 5%	1/4W F
D811	8-719-024-99	DIODE 11ES2-NTA2B		R112	1-249-413-11	CARBON 470 5%	1/4W F
D812	8-719-911-19	DIODE 1SS119-25		R113	1-247-903-00	CARBON 1M 5%	1/4W
D813	8-719-024-99	DIODE 11ES2-NTA2B		R114	1-247-903-00	CARBON 1M 5%	1/4W
D821	8-719-024-99	DIODE 11ES2-NTA2B		R115	1-249-433-11	CARBON 22K 5%	1/4W
D851	8-719-911-19	DIODE 1SS119-25		R116	1-249-419-11	CARBON 1.5K 5%	1/4W F
D852	8-719-911-19	DIODE 1SS119-25		R117	1-247-895-00	CARBON 470K 5%	1/4W
D853	8-719-911-19	DIODE 1SS119-25		R118	1-249-429-11	CARBON 10K 5%	1/4W
		< EARTH >		R119	1-249-441-11	CARBON 100K 5%	1/4W
* E801	1-537-738-21	TERMINAL, EARTH		R120	1-249-441-11	CARBON 100K 5%	1/4W
		< IC >		R121	1-249-417-11	CARBON 1K 5%	1/4W F
IC111	8-759-495-24	IC M62442FP-TP		R122	1-249-417-11	CARBON 1K 5%	1/4W F
IC112	8-759-000-48	IC MC14052BCP		R123	1-249-421-11	CARBON 2.2K 5%	1/4W F
IC113	8-759-634-51	IC M5218AP		R131	1-249-435-11	CARBON 33K 5%	1/4W
IC401	8-759-450-96	IC M65850P		R132	1-249-421-11	CARBON 2.2K 5%	1/4W F
IC402	8-759-140-53	IC UPD4053BC		R134	1-249-435-11	CARBON 33K 5%	1/4W
IC801	8-759-604-86	IC M5F7807L		R135	1-249-439-11	CARBON 68K 5%	1/4W
IC802	8-759-604-90	IC M5F7907L		R136	1-247-883-00	CARBON 150K 5%	1/4W
IC803	8-759-231-53	IC TA7805S		R138	1-249-437-11	CARBON 47K 5%	1/4W
IC804	8-759-604-32	IC M5F7810L		R139	1-247-903-00	CARBON 1M 5%	1/4W
IC851	8-759-111-68	IC UPC1237HA		R140	1-249-441-11	CARBON 100K 5%	1/4W
		< JACK >		R141	1-249-417-11	CARBON 1K 5%	1/4W F
J101	1-770-613-11	JACK, PIN 4P (MD/VIDEO1 IN,OUT)		R142	1-249-437-11	CARBON 47K 5%	1/4W
		< COIL >		R145	1-247-887-00	CARBON 220K 5%	1/4W
L131	1-410-521-11	INDUCTOR 100uH		R151	1-249-417-11	CARBON 1K 5%	1/4W F (AEP,UK)
L401	1-410-521-11	INDUCTOR 100uH		R152	1-249-441-11	CARBON 100K 5%	1/4W (AEP,UK)
L751	1-420-872-00	COIL, AIR-CORE (AEP,UK)		R153	1-249-417-11	CARBON 1K 5%	1/4W F
L761	1-420-872-00	COIL, AIR-CORE (AEP,UK)		R154	1-249-441-11	CARBON 100K 5%	1/4W
		< TRANSISTOR >		R155	1-249-441-11	CARBON 100K 5%	1/4W
Q121	8-729-422-57	TRANSISTOR UN4111		R156	1-249-417-11	CARBON 1K 5%	1/4W F
Q132	8-729-620-05	TRANSISTOR 2SC2603-EF		R158	1-249-417-11	CARBON 1K 5%	1/4W F
Q182	8-729-620-05	TRANSISTOR 2SC2603-EF		R159	1-249-441-11	CARBON 100K 5%	1/4W
Q183	8-729-141-30	TRANSISTOR 2SC3623A-LK		R161	1-249-417-11	CARBON 1K 5%	1/4W F
Q401	8-729-119-77	TRANSISTOR 2SA1175-FEK		R162	1-249-413-11	CARBON 470 5%	1/4W F
Q731	8-729-140-04	TRANSISTOR 2SB1116A-L		R163	1-247-903-00	CARBON 1M 5%	1/4W
Q732	8-729-620-05	TRANSISTOR 2SC2603-EF		R164	1-247-903-00	CARBON 1M 5%	1/4W
Q801	8-729-141-83	TRANSISTOR 2SB1094-LK		R165	1-249-433-11	CARBON 22K 5%	1/4W
Q851	8-729-900-63	TRANSISTOR DTA124ES		R166	1-249-419-11	CARBON 1.5K 5%	1/4W F
Q852	8-729-900-36	TRANSISTOR DTC124ES		R167	1-247-895-00	CARBON 470K 5%	1/4W
Q853	8-729-900-36	TRANSISTOR DTC124ES		R172	1-249-429-11	CARBON 10K 5%	1/4W
		< RESISTOR >		R173	1-249-421-11	CARBON 2.2K 5%	1/4W F
R101	1-249-417-11	CARBON 1K 5%	1/4W F (AEP,UK,EE,CIS)	R181	1-249-435-11	CARBON 33K 5%	1/4W
R102	1-249-441-11	CARBON 100K 5%	1/4W (AEP,UK)	R182	1-249-421-11	CARBON 2.2K 5%	1/4W F
R103	1-249-417-11	CARBON 1K 5%	1/4W F	R184	1-249-435-11	CARBON 33K 5%	1/4W
R104	1-249-441-11	CARBON 100K 5%	1/4W	R185	1-249-439-11	CARBON 68K 5%	1/4W
				R186	1-247-883-00	CARBON 150K 5%	1/4W
				R188	1-249-437-11	CARBON 47K 5%	1/4W
				R189	1-249-429-11	CARBON 10K 5%	1/4W
				R190	1-247-895-00	CARBON 470K 5%	1/4W
				R191	1-249-417-11	CARBON 1K 5%	1/4W F
				R192	1-249-437-11	CARBON 47K 5%	1/4W
				R193	1-249-441-11	CARBON 100K 5%	1/4W



**MIC/ECHO**

**MOTOR**

Ref. No.	Part No.	Description	Remark
C6016	1-126-967-11	ELECT	47uF 20% 16V (EA3(Japan Product),JE)
C6017	1-164-159-11	CERAMIC	0.1uF 50V (EA3(Japan Product),JE)
C6018	1-126-967-11	ELECT	47uF 20% 16V (EA3(Japan Product),JE)
C6019	1-136-495-11	FILM	0.068uF 5% 50V (EA3(Japan Product),JE)
C6020	1-162-305-11	CERAMIC	0.0068uF 30% 16V (EA3(Japan Product),JE)
C6021	1-162-294-31	CERAMIC	0.001uF 10% 50V (EA3(Japan Product),JE)
C6022	1-124-257-00	ELECT	2.2uF 20% 50V (EA3(Japan Product),JE)
C6023	1-161-494-00	CERAMIC	0.022uF 25V (EA3(Japan Product),JE)
C6024	1-136-167-00	FILM	0.15uF 5% 50V (EA3(Japan Product),JE)
C6025	1-126-957-11	ELECT	0.22uF 20% 50V (EA3(Japan Product),JE)
C6026	1-126-957-11	ELECT	0.22uF 20% 50V (EA3(Japan Product),JE)
C6027	1-136-495-11	FILM	0.068uF 5% 50V (EA3(Japan Product),JE)
C6028	1-162-294-31	CERAMIC	0.001uF 10% 50V (EA3(Japan Product),JE)
C6029	1-162-305-11	CERAMIC	0.0068uF 30% 16V (EA3(Japan Product),JE)
C6031	1-162-306-11	CERAMIC	0.01uF 20% 16V
< CONNECTOR >			
CN6001	1-506-469-11	PIN, CONNECTOR 4P	
< DIODE >			
D6001	8-719-911-19	DIODE 1SS119-25 (EA3(Japan Product),JE)	
D6002	8-719-911-19	DIODE 1SS119-25 (EA3(Japan Product),JE)	
D6003	8-719-911-19	DIODE 1SS119-25 (EA3(Japan Product),JE)	
< EARTH >			
* E6001	1-537-738-21	TERMINAL, EARTH	
< IC >			
IC6001	8-759-634-51	IC M5218AP	
IC6002	8-759-450-96	IC M65850P (EA3(Japan Product),JE)	
< JACK >			
J6001	1-770-226-11	JACK (LARGE TYPE) (MIX MIC:EXCEPT EA3(Japan Product),JE)(MIC1:EA3(Japan Product),JE)	
J6002	1-750-733-11	JACK (LARGE TYPE)(MIC2) (EA3(Japan Product),JE)	
< COIL >			
L6011	1-410-521-11	INDUCTOR 100uH (EA3(Japan Product),JE)	
< RESISTOR >			
R6001	1-249-429-11	CARBON	10K 5% 1/4W
R6002	1-249-417-11	CARBON	1K 5% 1/4W F
R6003	1-249-429-11	CARBON	10K 5% 1/4W (EA3(Japan Product),JE)

Ref. No.	Part No.	Description	Remark
R6004	1-249-417-11	CARBON	1K 5% 1/4W F (EA3(Japan Product),JE)
R6005	1-249-441-11	CARBON	100K 5% 1/4W
R6006	1-249-417-11	CARBON	1K 5% 1/4W F
R6007	1-249-433-11	CARBON	22K 5% 1/4W
R6008	1-249-429-11	CARBON	10K 5% 1/4W
R6009	1-247-885-00	CARBON	180K 5% 1/4W
R6010	1-247-807-31	CARBON	100 5% 1/4W
R6011	1-249-433-11	CARBON	22K 5% 1/4W (EA3(Japan Product),JE)
R6012	1-247-881-00	CARBON	120K 5% 1/4W (EA3(Japan Product),JE)
R6013	1-249-433-11	CARBON	22K 5% 1/4W (EA3(Japan Product),JE)
R6014	1-249-433-11	CARBON	22K 5% 1/4W (EA3(Japan Product),JE)
R6015	1-249-433-11	CARBON	22K 5% 1/4W (EA3(Japan Product),JE)
R6016	1-249-429-11	CARBON	10K 5% 1/4W F (EA3(Japan Product),JE)
R6017	1-249-437-11	CARBON	47K 5% 1/4W (EA3(Japan Product),JE)
R6018	1-249-433-11	CARBON	22K 5% 1/4W (EA3(Japan Product),JE)
R6019	1-249-433-11	CARBON	22K 5% 1/4W (EA3(Japan Product),JE)
R6020	1-249-431-11	CARBON	15K 5% 1/4W (EA3(Japan Product),JE)
< VARIABLE RESISTOR >			
RV6001	1-225-410-11	RES, VAR, CARBON 50K (MIC LEVEL) (EXECEPT EA3(Japan Product), JE)	
RV6001	1-225-511-21	RES, VAR, CARBON 50K/50K (MIC LEVEL, ECHO LEVEL)(EA3(Japan Product),JE)	
*****			
*	1-669-965-11	MOTOR BOARD *****	
< CAPACITOR >			
C891	1-162-306-11	CERAMIC	0.01uF 20% 16V
C892	1-124-478-11	ELECT	100uF 20% 25V
C893	1-164-159-11	CERAMIC	0.1uF 50V
< CONNECTOR >			
* CN892	1-568-941-11	PIN, CONNECTOR 3P	
< DIODE >			
D891	8-719-947-16	DIODE MTZJ-T-72-5.1A	
< IC >			
IC891	8-759-822-09	IC LB1641	
< RESISTOR >			
R891	1-249-425-11	CARBON	4.7K 5% 1/4W F
R892	1-249-425-11	CARBON	4.7K 5% 1/4W F
R893	1-249-429-11	CARBON	10K 5% 1/4W
R894	1-249-413-11	CARBON	470 5% 1/4W F
*****			

**PANEL**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4414-196-A	PANEL BOARD, COMPLETE (AEP,UK) *****		C615	1-162-288-31	CERAMIC 330PF 10%	50V
				C616	1-162-288-31	CERAMIC 330PF 10%	50V
				C617	1-162-288-31	CERAMIC 330PF 10%	50V
*	A-4414-212-A	PANEL BOARD, COMPLETE ***** (EA3(Malaysia Product),SP,MY,TW,CH)		C618	1-162-288-31	CERAMIC 330PF 10%	50V
				C619	1-162-288-31	CERAMIC 330PF 10%	50V
				C620	1-162-288-31	CERAMIC 330PF 10%	50V
*	A-4414-544-A	PANEL BOARD, COMPLETE (E,AR) *****		C621	1-162-288-31	CERAMIC 330PF 10%	50V
				C622	1-162-288-31	CERAMIC 330PF 10%	50V
*	A-4414-551-A	PANEL BOARD, COMPLETE (EE,CIS) *****		C623	1-162-288-31	CERAMIC 330PF 10%	50V
				C624	1-162-288-31	CERAMIC 330PF 10%	50V
				C625	1-162-288-31	CERAMIC 330PF 10%	50V
*	A-4414-547-A	PANEL BOARD, COMPLETE (AUS) *****		< CONNECTOR >			
*	A-4414-746-A	PANEL BOARD, COMPLETE (JE) *****		* CN501	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
				CN503	1-691-650-11	SOCKET, CONNECTOR 19P	
				* CN504	1-565-835-11	SOCKET, CONNECTOR 3P	
*	A-4414-754-A	PANEL BOARD, COMPLETE ***** (EA3(Japan Product))		CNP502	1-778-312-11	PLUG, CONNECTOR (PC BOARD) 30P	
				< DIODE >			
*	A-4414-793-A	PANEL BOARD, COMPLETE (EA4,TH) *****		D501	8-719-024-99	DIODE 11ES2-NTA2B	
				D502	8-719-911-19	DIODE 1SS119-25	
				D504	8-719-911-19	DIODE 1SS119-25	
*	4-900-849-01	HOLDER (FL)		D505	8-719-911-19	DIODE 1SS119-25	
*	4-932-810-11	CUSHION (FL)		D506	8-719-911-19	DIODE 1SS119-25	
		< CAPACITOR >		D507	8-719-911-19	DIODE 1SS119-25	
C501	1-162-205-31	CERAMIC 18PF 5%	50V	D509	8-719-024-99	DIODE 11ES2-NTA2B	
C502	1-162-205-31	CERAMIC 18PF 5%	50V	D511	8-719-118-62	DIODE RD5.6F-T7B1	
C503	1-104-905-11	CAPACITOR 0.22F	5.5V	D512	8-719-046-80	DIODE SML19416W-TP4 (MOVIE)	
C505	1-164-159-11	CERAMIC 0.1uF	50V	D513	8-719-046-80	DIODE SML19416W-TP4 (MOVIE)	
C506	1-164-159-11	CERAMIC 0.1uF	50V	D514	8-719-046-80	DIODE SML19416W-TP4 (MUSIC)	
C507	1-164-159-11	CERAMIC 0.1uF	50V	D515	8-719-046-80	DIODE SML19416W-TP4 (MUSIC)	
C508	1-164-159-11	CERAMIC 0.1uF	50V	D516	8-719-046-80	DIODE SML19416W-TP4 (GAME)	
C509	1-124-589-11	ELECT 47uF 20%	16V	D517	8-719-046-80	DIODE SML19416W-TP4 (GAME)	
C510	1-162-306-11	CERAMIC 0.01uF 20%	16V	D518	8-719-046-80	DIODE SML19416W-TP4 (PLACE)	
C513	1-162-284-31	CERAMIC 150PF 10%	50V	D519	8-719-046-80	DIODE SML19416W-TP4 (PLACE)	
C514	1-162-284-31	CERAMIC 150PF 10%	50V	D520	8-719-046-80	DIODE SML19416W-TP4 (P FILE)	
C517	1-162-303-11	CERAMIC 0.0033uF 30%	16V	D521	8-719-046-80	DIODE SML19416W-TP4 (P FILE)	
C518	1-126-157-11	ELECT 10uF 20%	16V	D522	8-719-046-44	DIODE SEL5221S (AUTO)	
C519	1-126-157-11	ELECT 10uF 20%	16V	< FLUORESCENT INDICATOR >			
C520	1-126-157-11	ELECT 10uF 20%	16V	FL601	1-517-775-11	INDICATOR TUBE, FLUORESCENT	
C521	1-162-306-11	CERAMIC 0.01uF 20%	16V	< IC >			
C522	1-126-157-11	ELECT 10uF 20%	16V	IC501	8-759-525-50	IC uPD780016AYGF-012-3BA	
C523	1-126-157-11	ELECT 10uF 20%	16V	IC502	8-759-165-82	IC PST600E-T	
C601	1-126-157-11	ELECT 10uF 20%	16V	IC503	8-749-011-22	IC GP1U27X	
C602	1-162-306-11	CERAMIC 0.01uF 20%	16V	IC505	8-759-140-53	IC UPD4053BC	
C603	1-162-294-31	CERAMIC 0.001uF 10%	50V	IC506	8-759-495-25	IC BA3833F-E2	
C604	1-162-294-31	CERAMIC 0.001uF 10%	50V	IC601	8-759-261-63	IC M66004M6FP	
C605	1-126-157-11	ELECT 10uF 20%	16V	< COIL >			
C606	1-124-261-00	ELECT 10uF 20%	50V	L501	1-408-074-00	INDUCTOR 56uH	
C607	1-124-261-00	ELECT 10uF 20%	50V	L502	1-410-521-11	INDUCTOR 100uH	
C608	1-124-589-11	ELECT 47uF 20%	16V	< TRANSISTOR >			
C609	1-162-282-31	CERAMIC 100PF 10%	50V	Q501	8-729-620-05	TRANSISTOR 2SC2603-EF	
C610	1-162-288-31	CERAMIC 330PF 10%	50V	Q502	8-729-422-57	TRANSISTOR UN4111	
C611	1-162-288-31	CERAMIC 330PF 10%	50V				
C612	1-162-288-31	CERAMIC 330PF 10%	50V				
C613	1-162-288-31	CERAMIC 330PF 10%	50V				
C614	1-162-288-31	CERAMIC 330PF 10%	50V				

**PANEL**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q503	8-729-422-57	TRANSISTOR UN4111		R547	1-247-881-00	CARBON 120K	5% 1/4W
Q504	8-729-422-57	TRANSISTOR UN4111		R548	1-249-433-11	CARBON 22K	5% 1/4W
Q505	8-729-422-57	TRANSISTOR UN4111		R549	1-249-429-11	CARBON 10K	5% 1/4W
Q506	8-729-422-57	TRANSISTOR UN4111		R550	1-249-409-11	CARBON 220	5% 1/4W F
Q507	8-729-422-57	TRANSISTOR UN4111		R551	1-249-409-11	CARBON 220	5% 1/4W F
Q508	8-729-422-57	TRANSISTOR UN4111		R552	1-247-807-31	CARBON 100	5% 1/4W
Q509	8-729-422-57	TRANSISTOR UN4111		R553	1-247-807-31	CARBON 100	5% 1/4W
Q510	8-729-422-57	TRANSISTOR UN4111		R554	1-247-807-31	CARBON 100	5% 1/4W
Q511	8-729-422-57	TRANSISTOR UN4111		R555	1-247-807-31	CARBON 100	5% 1/4W
Q512	8-729-900-80	TRANSISTOR DTC114ES		R556	1-247-807-31	CARBON 100	5% 1/4W
Q513	8-729-900-80	TRANSISTOR DTC114ES		R557	1-247-807-31	CARBON 100	5% 1/4W
< RESISTOR >				R558	1-247-807-31	CARBON 100	5% 1/4W
R501	1-247-891-00	CARBON 330K	5% 1/4W	R559	1-247-807-31	CARBON 100	5% 1/4W
R502	1-249-433-11	CARBON 22K	5% 1/4W	R560	1-247-807-31	CARBON 100	5% 1/4W
R503	1-249-437-11	CARBON 47K	5% 1/4W	R561	1-247-807-31	CARBON 100	5% 1/4W
R504	1-249-437-11	CARBON 47K	5% 1/4W	R562	1-247-807-31	CARBON 100	5% 1/4W
R505	1-249-429-11	CARBON 10K	5% 1/4W	R563	1-247-807-31	CARBON 100	5% 1/4W
R506	1-249-429-11	CARBON 10K	5% 1/4W	R564	1-247-807-31	CARBON 100	5% 1/4W
R507	1-249-441-11	CARBON 100K	5% 1/4W	R565	1-247-807-31	CARBON 100	5% 1/4W
R512	1-249-429-11	CARBON 10K	5% 1/4W	R566	1-247-807-31	CARBON 100	5% 1/4W
		(AEP,UK,EE,CIS,EA4,TH,JE)		R567	1-247-807-31	CARBON 100	5% 1/4W
R513	1-249-429-11	CARBON 10K	5% 1/4W	R568	1-247-807-31	CARBON 100	5% 1/4W
		(EE,CIS,E,AR)		R569	1-249-407-11	CARBON 150	5% 1/4W F
R514	1-249-429-11	CARBON 10K	5% 1/4W	R570	1-249-409-11	CARBON 220	5% 1/4W F
		(E,AR,JE)		R571	1-249-411-11	CARBON 330	5% 1/4W
R515	1-249-429-11	CARBON 10K	5% 1/4W	R572	1-249-411-11	CARBON 330	5% 1/4W
		(AEP,UK,EE,CIS,AUS)		R573	1-249-413-11	CARBON 470	5% 1/4W F
R516	1-249-427-11	CARBON 6.8K	5% 1/4W F	R574	1-249-415-11	CARBON 680	5% 1/4W F
R517	1-249-427-11	CARBON 6.8K	5% 1/4W F	R575	1-249-417-11	CARBON 1K	5% 1/4W F
R518	1-247-807-31	CARBON 100	5% 1/4W	R576	1-249-419-11	CARBON 1.5K	5% 1/4W F
R519	1-247-807-31	CARBON 100	5% 1/4W	R577	1-249-421-11	CARBON 2.2K	5% 1/4W F
R520	1-247-807-31	CARBON 100	5% 1/4W	R578	1-247-843-11	CARBON 3.3K	5% 1/4W
R521	1-247-807-31	CARBON 100	5% 1/4W	R579	1-249-425-11	CARBON 4.7K	5% 1/4W F
R522	1-247-807-31	CARBON 100	5% 1/4W	R580	1-249-429-11	CARBON 10K	5% 1/4W
R523	1-247-807-31	CARBON 100	5% 1/4W	R581	1-249-433-11	CARBON 22K	5% 1/4W
R524	1-247-807-31	CARBON 100	5% 1/4W	R582	1-249-439-11	CARBON 68K	5% 1/4W
R525	1-247-807-31	CARBON 100	5% 1/4W	R583	1-247-807-31	CARBON 100	5% 1/4W
R526	1-247-807-31	CARBON 100	5% 1/4W	R584	1-249-407-11	CARBON 150	5% 1/4W F
R527	1-247-807-31	CARBON 100	5% 1/4W	R585	1-249-409-11	CARBON 220	5% 1/4W F
R528	1-247-807-31	CARBON 100	5% 1/4W	R586	1-249-411-11	CARBON 330	5% 1/4W
R529	1-247-807-31	CARBON 100	5% 1/4W	R587	1-249-411-11	CARBON 330	5% 1/4W
R530	1-247-807-31	CARBON 100	5% 1/4W	R588	1-249-413-11	CARBON 470	5% 1/4W F
R531	1-247-807-31	CARBON 100	5% 1/4W	R589	1-249-415-11	CARBON 680	5% 1/4W F
R532	1-247-807-31	CARBON 100	5% 1/4W	R590	1-249-417-11	CARBON 1K	5% 1/4W F
R533	1-247-807-31	CARBON 100	5% 1/4W	R591	1-249-419-11	CARBON 1.5K	5% 1/4W F
R534	1-247-807-31	CARBON 100	5% 1/4W	R592	1-249-421-11	CARBON 2.2K	5% 1/4W F
R535	1-247-807-31	CARBON 100	5% 1/4W	R593	1-247-843-11	CARBON 3.3K	5% 1/4W
R536	1-247-807-31	CARBON 100	5% 1/4W	R594	1-249-425-11	CARBON 4.7K	5% 1/4W F
R537	1-247-807-31	CARBON 100	5% 1/4W	R595	1-249-429-11	CARBON 10K	5% 1/4W
R538	1-247-807-31	CARBON 100	5% 1/4W	R596	1-249-433-11	CARBON 22K	5% 1/4W
R539	1-247-807-31	CARBON 100	5% 1/4W	R597	1-249-403-11	CARBON 68	5% 1/4W F
R540	1-247-807-31	CARBON 100	5% 1/4W	R598	1-249-403-11	CARBON 68	5% 1/4W F
R541	1-247-807-31	CARBON 100	5% 1/4W	R599	1-249-403-11	CARBON 68	5% 1/4W F
R542	1-247-807-31	CARBON 100	5% 1/4W	R600	1-249-403-11	CARBON 68	5% 1/4W F
R543	1-247-807-31	CARBON 100	5% 1/4W	R601	1-249-403-11	CARBON 68	5% 1/4W F
R544	1-247-807-31	CARBON 100	5% 1/4W	R602	1-249-403-11	CARBON 68	5% 1/4W F
R546	1-249-441-11	CARBON 100K	5% 1/4W	R603	1-249-403-11	CARBON 68	5% 1/4W F
				R604	1-249-403-11	CARBON 68	5% 1/4W F

**PANEL**

**POWER AMP**

Ref. No.	Part No.	Description	Remark
R605	1-249-403-11	CARBON	68 5% 1/4W F
R606	1-249-403-11	CARBON	68 5% 1/4W F
R607	1-249-415-11	CARBON	680 5% 1/4W F
R608	1-247-807-31	CARBON	100 5% 1/4W
R614	1-249-434-11	CARBON	27K 5% 1/4W
R615	1-249-429-11	CARBON	10K 5% 1/4W
R616	1-249-429-11	CARBON	10K 5% 1/4W
R617	1-249-417-11	CARBON	1K 5% 1/4W F
R618	1-247-843-11	CARBON	3.3K 5% 1/4W
R619	1-249-437-11	CARBON	47K 5% 1/4W
R621	1-247-843-11	CARBON	3.3K 5% 1/4W
R622	1-247-843-11	CARBON	3.3K 5% 1/4W
R623	1-249-425-11	CARBON	4.7K 5% 1/4W F
< SWITCH >			
S501	1-762-378-11	SWITCH, TACTILE (EQ 16kHz +)	
S502	1-762-378-11	SWITCH, TACTILE (NAME IN)	
S503	1-762-378-11	SWITCH, TACTILE (CHAR)	
S504	1-762-378-11	SWITCH, TACTILE (EQ MEMORY)	
S505	1-762-378-11	SWITCH, TACTILE (OPEN/CLOSE)	
S506	1-762-378-11	SWITCH, TACTILE (TUNER BAND)	
S507	1-762-378-11	SWITCH, TACTILE (STEREO/MONO)	
S508	1-762-378-11	SWITCH, TACTILE (MEMORY)	
S509	1-762-378-11	SWITCH, TACTILE (KARAOKE P0NMPX)	
S510	1-762-378-11	SWITCH, TACTILE (OPEN SENSOR ON/OFF)	
S511	1-762-378-11	SWITCH, TACTILE (INSERT)	
S512	1-762-378-11	SWITCH, TACTILE (DELETE)	
S513	1-762-378-11	SWITCH, TACTILE (EQ 16kHz -)	
S514	1-762-378-11	SWITCH, TACTILE (FUNCTION)	
S515	1-762-378-11	SWITCH, TACTILE (TIMER SELECT)	
S516	1-762-378-11	SWITCH, TACTILE (CLOCK/TIMER SET)	
S517	1-762-378-11	SWITCH, TACTILE (I/⊙)	
S518	1-762-378-11	SWITCH, TACTILE (DISPLAY/DEMO)	
S519	1-762-378-11	SWITCH, TACTILE (PTY)	
S520	1-762-378-11	SWITCH, TACTILE (SURROUND +)	
S521	1-762-378-11	SWITCH, TACTILE (SURROUND -)	
S522	1-762-378-11	SWITCH, TACTILE (DBFB -)	
S523	1-762-378-11	SWITCH, TACTILE (DBFB +)	
S524	1-762-378-11	SWITCH, TACTILE (EQ 63Hz +)	
S525	1-762-378-11	SWITCH, TACTILE (EQ 63Hz -)	
S526	1-762-378-11	SWITCH, TACTILE (EQ 250Hz -)	
S527	1-762-378-11	SWITCH, TACTILE (EQ 250Hz +)	
S528	1-762-378-11	SWITCH, TACTILE (EQ 1kHz +)	
S529	1-762-378-11	SWITCH, TACTILE (EQ 1kHz -)	
S530	1-762-378-11	SWITCH, TACTILE (EQ 4kHz -)	
S531	1-762-378-11	SWITCH, TACTILE (EQ 4kHz +)	
< VIBRATOR >			
X501	1-760-489-11	VIBRATOR, CERAMIC (5MHz)	
X502	1-567-098-41	VIBRATOR, CRYSTAL (32kHz)	

\*\*\*\*\*

Ref. No.	Part No.	Description	Remark
*	A-4414-195-A	POWER AMP BOARD, COMPLETE (AEP,UK) *****	
*	A-4414-209-A	POWER AMP BOARD, COMPLETE ***** (EE,CIS,E,EA3(Malaysia Product),SP,MY,AR,TW,AUS,CH)	
*	A-4414-743-A	POWER AMP BOARD, COMPLETE ***** (EA3(Japan Product),JE)	
*	A-4414-790-A	POWER AMP BOARD, COMPLETE (EA4,TH) *****	
< CAPACITOR >			
C901	1-126-963-11	ELECT	4.7uF 20% 50V
C902	1-162-294-31	CERAMIC	0.001uF 10% 50V
C903	1-162-282-31	CERAMIC	100PF 10% 50V
C904	1-126-967-11	ELECT	47uF 20% 50V
C905	1-126-967-11	ELECT	47uF 20% 50V
C906	1-136-495-11	FILM	0.068uF 5% 50V
C907	1-136-495-11	FILM	0.068uF 5% 50V
C932	1-128-552-51	ELECT	47uF 20% 63V
C933	1-128-581-11	ELECT	4.7uF 20% 63V
C934	1-128-552-51	ELECT	47uF 20% 63V
C936	1-162-282-31	CERAMIC	100PF 10% 50V
C937	1-126-965-11	ELECT	22uF 20% 50V
C938	1-126-934-11	ELECT	220uF 20% 16V
C940	1-128-581-11	ELECT	4.7uF 20% 63V
C951	1-126-963-11	ELECT	4.7uF 20% 50V
C952	1-162-294-31	CERAMIC	0.001uF 10% 50V
C953	1-162-282-31	CERAMIC	100PF 10% 50V
C954	1-126-967-11	ELECT	47uF 20% 50V
C955	1-126-967-11	ELECT	47uF 20% 50V
C956	1-136-495-11	FILM	0.068uF 5% 50V
C957	1-136-495-11	FILM	0.068uF 5% 50V
< CONNECTOR >			
CN902	1-691-770-11	PLUG (MICRO CONNECTOR) 8P	
< DIODE >			
D741	8-719-911-19	DIODE 1SS119-25 (AEP,UK)	
D903	8-719-911-19	DIODE 1SS119-25	
D941	8-719-911-19	DIODE 1SS119-25 (EE,CIS,E,EA3,SP,MY,AR,TW,AUS,CH,JE)	
D941	8-719-991-33	DIODE 1SS133T-77 (EA4,TH)	
D953	8-719-911-19	DIODE 1SS119-25	
< IC >			
IC901	8-749-921-04	IC STK-4211MK-2 (AEP,UK)	
IC901	8-749-921-68	IC STK-4231MK2 (EE,CIS,E,EA,SP,MY,AR,TW,TH,AUS,CH,JE)	
< TRANSISTOR >			
Q131	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q181	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q901	8-729-900-36	TRANSISTOR DTC124ES	
Q902	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q952	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	

<b>POWER AMP</b>	<b>PRIMARY</b>	<b>SECONDARY</b>	<b>SURR SPK</b>
------------------	----------------	------------------	-----------------

Ref. No.	Part No.	Description	Remark
		< RESISTOR >	
R133	1-249-425-11	CARBON 4.7K 5%	1/4W F
R183	1-249-425-11	CARBON 4.7K 5%	1/4W F
R901	1-249-417-11	CARBON 1K 5%	1/4W F
R902	1-249-437-11	CARBON 47K 5%	1/4W F
R903	1-249-412-11	CARBON 390 5%	1/4W F (AEP,UK)
R903	1-249-413-11	CARBON 470 5%	1/4W F (EE,CIS,E,EA,SP,MY,AR,TW,TH,AUS,CH,JE)
R904	1-249-437-11	CARBON 47K 5%	1/4W F
R906	1-249-429-11	CARBON 10K 5%	1/4W F
R907	1-249-429-11	CARBON 10K 5%	1/4W F
R908	1-249-429-11	CARBON 10K 5%	1/4W F
R909	1-249-429-11	CARBON 10K 5%	1/4W F
R910	1-249-397-11	CARBON 22 5%	1/4W F
R911	1-249-397-11	CARBON 22 5%	1/4W F
R913	1-249-417-11	CARBON 1K 5%	1/4W F
R914	1-249-431-11	CARBON 15K 5%	1/4W F
R915	1-249-441-11	CARBON 100K 5%	1/4W F
△R920	1-217-156-00	REGISTER 0.22 10%	5W F
△R932	1-212-881-11	FUSIBLE 100 5%	1/4W F
R933	1-249-421-11	CARBON 2.2K 5%	1/4W F
R934	1-249-421-11	CARBON 2.2K 5%	1/4W F
R935	1-249-421-11	CARBON 2.2K 5%	1/4W F
R936	1-249-421-11	CARBON 2.2K 5%	1/4W F
R937	1-249-429-11	CARBON 10K 5%	1/4W F
R938	1-247-885-00	CARBON 180K 5%	1/4W F
R940	1-249-429-11	CARBON 10K 5%	1/4W F
R941	1-249-429-11	CARBON 10K 5%	1/4W F
R942	1-249-413-11	CARBON 470 5%	1/4W F
△R943	1-212-881-11	FUSIBLE 100 5%	1/4W F
R945	1-249-417-11	CARBON 1K 5%	1/4W F
R951	1-249-417-11	CARBON 1K 5%	1/4W F
R952	1-249-437-11	CARBON 47K 5%	1/4W F
R953	1-249-412-11	CARBON 390 5%	1/4W F (AEP,UK)
R953	1-249-413-11	CARBON 470 5%	1/4W F (EE,CIS,E,EA,SP,MY,AR,TW,TH,AUS,CH,JE)
R954	1-249-437-11	CARBON 47K 5%	1/4W F
R956	1-249-429-11	CARBON 10K 5%	1/4W F
R957	1-249-429-11	CARBON 10K 5%	1/4W F
R958	1-249-429-11	CARBON 10K 5%	1/4W F
R959	1-249-429-11	CARBON 10K 5%	1/4W F
R960	1-249-397-11	CARBON 22 5%	1/4W F
R961	1-249-397-11	CARBON 22 5%	1/4W F
R963	1-249-417-11	CARBON 1K 5%	1/4W F
R964	1-249-431-11	CARBON 15K 5%	1/4W F
R965	1-249-441-11	CARBON 100K 5%	1/4W F
R970	1-217-156-00	REGISTER 0.22 10%	5W F
△R970	1-220-893-11	METAL 0.22 10%	5W F
△R974	1-212-849-00	FUSIBLE 4.7 5%	1/4W F

\*\*\*\*\*

Ref. No.	Part No.	Description	Remark
*	1-669-953-11	PRIMARY BOARD *****	
		< CONNECTOR >	
CN871	1-564-321-00	PIN, CONNECTOR 2P	
		< FUSE >	
△F873	1-532-506-51	FUSE T6.3AL/250V (E,EA3,SP,MY,AR,TW,JE)	
		< FUSE HOLDER >	
FH8730	1-533-293-11	FUSE HOLDER (E,EA3,SP,MY,AR,TW,JE)	
FH8731	1-533-293-11	FUSE HOLDER (E,EA3,SP,MY,AR,TW,JE)	
*****			
*	1-669-954-11	SECONDARY BOARD *****	
		< FUSE >	
△F874	1-532-506-51	FUSE T6.3AL/250V	
F875	1-532-506-51	FUSE T6.3AL/250V	
		< FUSE HOLDER >	
FH8740	1-533-293-11	FUSE HOLDER	
FH8741	1-533-293-11	FUSE HOLDER	
FH8750	1-533-293-11	FUSE HOLDER	
FH8751	1-533-293-11	FUSE HOLDER	
		< RESISTOR >	
△R871	1-219-119-81	FUSIBLE 0.1 5%	1/4W F
△R872	1-219-119-81	FUSIBLE 0.1 5%	1/4W F
△R873	1-219-120-11	FUSIBLE 0.15 5%	1/4W F
△R874	1-219-120-11	FUSIBLE 0.15 5%	1/4W F
		< SWITCH >	
△S871	1-771-291-11	SWITCH, POWER (VOLTAGE SELECTOR) (E,EA3,SP,MY,AR,TW,JE)	
*****			
*	1-669-963-11	SURR SPK BOARD *****	
		< CAPACITOR >	
C202	1-104-666-11	ELECT 220uF 20%	25V
C203	1-162-306-11	CERAMIC 0.01uF 20%	16V
C221	1-136-495-11	FILM 0.068uF 5%	50V (AEP,UK)
		< CONNECTOR >	
* CN201	1-569-505-11	PIN, CONNECTOR 10P	
CN202	1-564-506-11	PLUG, CONNECTOR 3P	
CN781	1-506-468-11	PIN, CONNECTOR 3P	
		< DIODE >	
D201	8-719-024-99	DIODE 11ES2-NTA2B	
D782	8-719-911-19	DIODE 1SS119-25	

The components identified by mark △ or dotted line with mark △ are critical for safety.  
Replace only with part number specified.



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< GROUND >		C41	1-163-031-11	CERAMIC CHIP 0.01uF	50V
* E781	4-870-539-11	PLATE, GROUND		C42	1-163-038-91	CERAMIC CHIP 0.1uF	25V
		< JACK >		C43	1-163-031-91	CERAMIC CHIP 0.01uF	50V
J781	1-785-011-11	JACK, PIN 2P (MONITOR OUT)		C44	1-163-038-91	CERAMIC CHIP 0.1uF	25V
		< COIL >		C45	1-163-077-00	CERAMIC CHIP 0.1uF	50V
L221	1-420-872-00	COIL, AIR-CORE (AEP,UK)		C46	1-126-967-11	ELECT 47uF	20% 16V
		< RESISTOR >		C47	1-126-301-11	ELECT 1.0uF	20% 50V
R221	1-249-397-11	CARBON 22 5%	1/4W F (AEP,UK)	C48	1-163-059-00	CERAMIC CHIP 0.01uF	50V
R222	1-249-397-11	CARBON 22 5%	1/4W F (AEP,UK)	C49	1-126-964-11	ELECT 10uF	20% 50V
R223	1-249-393-11	CARBON 10 5%	1/4W F (AEP,UK)	C50	1-126-960-11	ELECT 1.0uF	20% 50V
		< RELAY >		C51	1-126-959-11	ELECT 0.47uF	20% 50V
RY781	1-515-622-11	RELAY		C52	1-126-960-11	ELECT 1.0uF	20% 50V
		< TERMINAL >		C53	1-126-964-11	ELECT 10uF	20% 50V
TB201	1-537-925-31	TERMINAL BOARD (REAR SPEAKER)		C54	1-104-396-11	ELECT 10uF	20% 16V
*****							
* A-4303-596-A	TCB BOARD, COMPLETE (EE,CIS)			C55	1-104-396-11	ELECT 10uF	20% 16V
	*****			C56	1-104-396-11	ELECT 10uF	20% 16V
		< CAPACITOR >		C57	1-163-017-00	CERAMIC CHIP 0.0047uF	10% 50V
C1	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V	C58	1-163-017-00	CERAMIC CHIP 0.0047uF	10% 50V
C2	1-126-967-11	ELECT 47uF	20% 16V	C59	1-163-989-11	CERAMIC CHIP 0.033uF	10% 25V
C3	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C60	1-163-989-11	CERAMIC CHIP 0.033uF	10% 25V
C5	1-163-031-11	CERAMIC CHIP 0.01uF	50V	C61	1-126-301-11	ELECT 1.0uF	20% 50V
C6	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C62	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C7	1-101-004-00	CERAMIC 0.01uF	50V	C63	1-163-139-00	CERAMIC CHIP 820PF	5% 50V
C8	1-163-031-11	CERAMIC CHIP 0.01uF	50V	C65	1-126-967-11	ELECT 47uF	20% 16V
C9	1-163-031-11	CERAMIC CHIP 0.01uF	50V	C66	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C10	1-162-306-11	CERAMIC CHIP 0.01uF	30% 16V	C67	1-126-162-11	ELECT 3.3uF	20% 50V
C16	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C68	1-163-031-11	CERAMIC 0.01uF	50V
C19	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C69	1-126-967-11	ELECT 47uF	20% 16V
C21	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V	C71	1-162-306-11	CERAMIC 0.01uF	30% 16V
C22	1-163-031-11	CERAMIC CHIP 0.01uF	50V	C72	1-126-967-11	ELECT 47uF	20% 16V
C23	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	C73	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C24	1-163-239-11	CERAMIC CHIP 33PF	5% 50V	C74	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C26	1-126-967-11	ELECT 47uF	20% 16V	C1701	1-162-294-31	CERAMIC CHIP 0.001uF	10% 50V
C28	1-126-967-11	ELECT 47uF	20% 16V	C1702	1-130-014-00	FILM 470PF	5% 50V
C29	1-162-306-11	CERAMIC 0.01uF	30% 16V	C1703	1-126-959-11	ELECT 0.47uF	20% 50V
C30	1-126-961-11	ELECT 2.2uF	20% 50V	C1704	1-126-959-11	ELECT 0.47uF	20% 50V
C31	1-163-031-11	CERAMIC CHIP 0.01uF	50V	C1705	1-163-035-00	CERAMIC CHIP 0.047uF	50V
C32	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C1706	1-126-960-11	ELECT 1.0uF	20% 50V
C33	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C1707	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
C34	1-163-229-11	CERAMIC CHIP 12PF	5% 50V	C1710	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V
C35	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C1711	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V
C36	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V	C1712	1-130-736-11	FILM 0.01uF	5% 50V
C37	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V	C1713	1-130-736-11	FILM 0.01uF	5% 50V
C39	1-163-141-00	CERAMIC CHIP 0.001uF	5% 50V	C1714	1-126-960-11	ELECT 1.0uF	20% 50V
C40	1-126-967-11	ELECT 47uF	20% 16V	C1715	1-126-960-11	ELECT 1.0uF	20% 50V
		< FILTER >		C1716	1-126-960-11	ELECT 1.0uF	20% 50V
				C1719	1-126-967-11	ELECT 47uF	20% 16V
				C1720	1-163-031-11	CERAMIC CHIP 0.01uF	50V
				C1723	1-163-031-11	CERAMIC CHIP 0.01uF	50V
				C1724	1-163-031-11	CERAMIC CHIP 0.01uF	50V
				C1725	1-126-967-11	ELECT 47uF	20% 16V
				C1726	1-126-960-11	ELECT 1.0uF	20% 50V
				C1727	1-126-960-11	ELECT 1.0uF	20% 50V
				C1728	1-126-966-11	ELECT 33uF	20% 16V
				CF1	1-567-389-11	FILTER, CERAMIC	





**TCB**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C69	1-126-967-11	ELECT	47uF 20% 16V	JR51	1-216-295-11	METAL CHIP 0 5% 1/10W	
C71	1-162-306-11	CERAMIC	0.01uF 30% 16V	JR52	1-216-295-11	METAL CHIP 0 5% 1/10W	
C72	1-126-967-11	ELECT	47uF 20% 16V	JR53	1-216-296-11	METAL CHIP 0 5% 1/8W	
C73	1-163-031-11	CERAMIC	0.01uF 50V	JR54	1-216-295-11	METAL CHIP 0 5% 1/10W	
C74	1-163-031-11	CERAMIC	0.01uF 50V				
C120	1-163-105-00	CERAMIC CHIP	33PF 5% 50V			< COIL >	
C1751	1-164-159-11	CERAMIC	0.1uF 50V	L2	1-414-142-11	MICRO INDUCTOR 1uH	
C1752	1-126-967-11	ELECT	47uF 20% 16V	L3	1-410-521-11	MICRO INDUCTOR 100uH	
C1753	1-126-964-11	ELECT	10uF 20% 50V	L4	1-410-515-11	INDUCTOR 33uH	
C1754	1-162-291-31	CERAMIC	560PF 10% 50V	L41	1-407-500-00	MICRO INDUCTOR 4.7mH	
C1755	1-126-964-11	ELECT	10uF 20% 50V	L1751	1-410-521-11	MICRO INDUCTOR 100uH	
C1756	1-126-961-11	ELECT	2.2uF 20% 50V			< FILTER >	
C1757	1-162-288-31	CERAMIC	330PF 10% 50V	LPF41	1-239-845-11	FILTER, LOW PASS	
C1758	1-163-031-11	CERAMIC CHIP	0.01uF 50V	LPF42	1-239-845-11	FILTER, LOW PASS	
C1759	1-163-135-00	CERAMIC CHIP	560PF 5% 50V			< TRANSISTOR >	
C1760	1-163-031-11	CERAMIC CHIP	0.01uF 50V	Q1	8-729-201-27	TRANSISTOR 2SC2715-Y	
C1761	1-163-245-11	CERAMIC CHIP	56PF 5% 50V	Q2	8-729-201-27	TRANSISTOR 2SC2715-Y	
C1762	1-163-245-11	CERAMIC CHIP	56PF 5% 50V	Q3	8-729-201-27	TRANSISTOR 2SC2715-Y	
C1763	1-126-961-11	ELECT	2.2uF 20% 50V	Q4	8-729-201-27	TRANSISTOR 2SC2715-Y	
		< FILTER >		Q5	8-729-424-08	TRANSISTOR UN2111	
CF1	1-567-389-11	FILTER, CERAMIC		Q9	8-729-216-22	TRANSISTOR 2SA1162-G	
CF2	1-760-393-11	FILTER, CERAMIC		Q11	8-729-421-22	TRANSISTOR UN2211	
CF3	1-760-393-11	FILTER, CERAMIC		Q12	8-729-421-22	TRANSISTOR UN2211	
		< CONNECTOR >		Q13	8-729-421-22	TRANSISTOR UN2211	
CN1	1-774-292-21	HOUSING, CONNECTOR (PC BOARD) 15P		Q14	8-729-421-22	TRANSISTOR UN2211	
		< DIODE >				< RESISTOR >	
D21	8-719-976-99	DIODE DTZ5.1B		R1	1-249-401-11	CARBON 47 5% 1/4W F	
D41	8-719-016-74	DIODE 1SS352		R2	1-216-037-00	METAL CHIP 330 5% 1/10W	
D42	8-719-911-19	DIODE 1SS119-25		R3	1-216-037-00	METAL CHIP 330 5% 1/10W	
D1751	8-719-016-74	DIODE 1SS352		R5	1-216-037-00	METAL CHIP 330 5% 1/10W	
		< FRONT-END >		R6	1-216-081-00	METAL CHIP 22K 5% 1/10W	
FE1	1-693-357-11	FRONT END (4 GANG)		R7	1-216-037-00	METAL CHIP 330 5% 1/10W	
FE2	1-233-514-11	ENCAPSULATED COMPONENT		R8	1-216-037-00	METAL CHIP 330 5% 1/10W	
		< IC >		R9	1-216-081-00	METAL CHIP 22K 5% 1/10W	
IC21	8-759-288-54	IC LC72130		R10	1-216-037-00	METAL CHIP 330 5% 1/10W	
IC41	8-759-495-82	IC LA1838		R11	1-216-081-00	METAL CHIP 22K 5% 1/10W	
IC1751	8-759-634-51	IC M5218AP		R12	1-216-037-00	METAL CHIP 330 5% 1/10W	
IC1752	8-759-450-86	IC BU1922		R13	1-216-037-00	METAL CHIP 330 5% 1/10W	
		< IFT >		R14	1-216-081-00	METAL CHIP 22K 5% 1/10W	
IFT41	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)		R18	1-216-073-00	METAL CHIP 10K 5% 1/10W	
		< JUMPER RESISTOR >		R19	1-216-073-00	METAL CHIP 10K 5% 1/10W	
JR2	1-216-295-91	METAL CHIP 0 5% 1/10W		R21	1-216-049-91	METAL CHIP 1.0K 5% 1/10W	
JR6	1-216-295-91	METAL CHIP 0 5% 1/10W		R22	1-216-049-91	METAL CHIP 1.0K 5% 1/10W	
JR8	1-216-295-91	METAL CHIP 0 5% 1/10W		R23	1-216-049-91	METAL CHIP 1.0K 5% 1/10W	
JR9	1-216-295-91	METAL CHIP 0 5% 1/10W		R24	1-216-025-91	METAL CHIP 100 5% 1/10W	
JR12	1-216-296-91	METAL CHIP 0 5% 1/8W		R25	1-249-417-11	CARBON 1K 5% 1/4W F	
JR46	1-216-296-91	METAL CHIP 0 5% 1/8W		R26	1-249-437-11	CARBON 47K 5% 1/4W	
JR47	1-216-295-11	METAL CHIP 0 5% 1/10W		R27	1-249-429-11	CARBON 10K 5% 1/4W	
JR48	1-216-295-11	METAL CHIP 0 5% 1/10W		R28	1-249-417-11	CARBON 1K 5% 1/4W F	
JR49	1-216-296-11	METAL CHIP 0 5% 1/8W		R29	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
				R30	1-216-186-00	METAL CHIP 330 5% 1/8W	
				R31	1-216-025-91	METAL CHIP 100 5% 1/10W	
				R32	1-249-425-11	CARBON 4.7K 5% 1/4W F	
				R33	1-249-425-11	CARBON 4.7K 5% 1/4W F	
				R34	1-216-065-91	METAL CHIP 4.7K 5% 1/10W	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R35	1-216-214-00	METAL CHIP	4.7K 5%	1/8W		MISCELLANEOUS *****	
R36	1-216-025-91	METAL CHIP	100 5%	1/10W			
R37	1-216-073-00	METAL CHIP	10K 5%	1/10W	3	1-773-125-11	WIRE (FLAT TYPE) (19 CORE)
R38	1-216-089-91	METAL CHIP	47K 5%	1/10W	153	1-233-545-31	ENCAPSULATED COMPONENT (E,EA4,AR,TH,AUS)
R39	1-249-429-11	CARBON	10K 5%	1/4W	153	1-233-546-31	ENCAPSULATED COMPONENT (EA3,SP,MY,TW,CH)
R40	1-216-089-91	METAL CHIP	47K 5%	1/10W	153	1-693-385-31	TUNER (JE)
R41	1-216-013-00	METAL CHIP	33 5%	1/10W	△ 160	1-575-651-11	CORD, POWER (EA3(JAPAN PRODUCT))
R42	1-216-065-91	METAL CHIP	4.7K 5%	1/10W	△ 160	1-575-653-11	CORD, POWER (TH,JE)
R43	1-216-037-00	METAL CHIP	330 5%	1/10W	△ 160	1-696-847-11	CORD, POWER (AUS)
R44	1-216-001-00	METAL CHIP	10 5%	1/10W	△ 160	1-751-520-11	CORD, POWER (UK)
R45	1-247-843-11	CARBON	3.3K 5%	1/4W F	△ 160	1-777-071-21	CORD, POWER (AEP,EE,CIS,EA3,SP,MY,TW)
R46	1-216-065-91	METAL CHIP	4.7K 5%	1/10W	△ 160	1-783-940-11	CORD, POWER (AR)
R47	1-216-097-91	METAL CHIP	100K 5%	1/10W	△ 160	1-782-315-11	CORD, POWER (E)
R48	1-249-417-11	CARBON	1K 5%	1/4W F	△ 160	1-783-205-11	CORD, POWER (CH)
R49	1-216-049-91	METAL CHIP	1.0K 5%	1/10W	△ 161	1-569-007-11	ADAPTOR, CONVERSION 2P (E,JE)
R50	1-216-065-91	METAL CHIP	4.7K 5%	1/10W	△ 161	1-569-008-21	ADAPTOR, CONVERSION 2P (EA3,SP,MY,AR,TW)
R51	1-216-065-91	METAL CHIP	4.7K 5%	1/10W	FL601	1-517-775-11	INDICATOR TUBE, FLUORESCENT
R52	1-216-061-00	METAL CHIP	3.3K 5%	1/10W	IC504	8-719-070-85	DIODE KU381-40
R53	1-216-061-00	METAL CHIP	3.3K 5%	1/10W	M891	A-4660-926-A	MOTOR (CDM) ASSY
R54	1-216-073-00	METAL CHIP	10K 5%	1/10W	M901	1-763-117-11	FAN, DC
R55	1-216-061-00	METAL CHIP	3.3K 5%	1/10W	△ T901	1-431-904-11	TRANSFORMER, POWER (E,EA3,EA4,SP,MY,AR,TW,TH,AUS,CH,JE)
R57	1-216-162-00	METAL CHIP	33 5%	1/8W	△ T901	1-431-905-11	TRANSFORMER, POWER (AEP,UK,EE,CIS)
R58	1-216-013-00	METAL CHIP	33 5%	1/10W	*****		
R91	1-216-295-91	METAL CHIP	0 5%	1/10W	*****		
R92	1-216-073-00	METAL CHIP	10K 5%	1/10W	*****		
R1751	1-247-807-31	CARBON	100 5%	1/4W	*****		
R1752	1-216-073-00	METAL CHIP	10K 5%	1/10W	*****		
R1753	1-216-067-00	METAL CHIP	5.6K 5%	1/10W	*****		
R1754	1-216-097-91	METAL CHIP	100K 5%	1/10W	*****		
R1755	1-216-097-91	METAL CHIP	100K 5%	1/10W	*****		
R1756	1-249-401-11	CARBON	47 5%	1/4W F	#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
R1757	1-216-295-91	METAL CHIP	0 5%	1/10W	#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
		< VARIABLE RESISTOR >			#3	7-621-775-20	SCREW +B 2.6X5
					#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3
					#5	7-685-881-09	SCREW +BVTT 4X8 (S)
					#6	7-685-872-09	SCREW +BVTT 3X8 (S)
					#7	7-685-546-19	SCREW +BVP 3X8
RV41	1-238-600-11	RES, ADJ, CARBON 10K			*****		
RV42	1-238-600-11	RES, ADJ, CARBON 10K			*****		
		< TERMINAL >			*****		
TM1	1-537-488-11	TERMINAL BOARD (ANT) (ANTENNA)			*****		
		< VIBRATOR >			*****		
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)			*****		
X41	1-767-825-21	FILTER, CERAMIC (10.7MHz)			*****		
X42	1-527-981-00	FILTER, CERAMIC (450KHz)			*****		
X1751	1-579-900-21	VIBRATOR, CRYSTAL (4.332MHz)			*****		

\*\*\*\*\*

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

