

## SECTION 4 TEST MODE

### [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:**

- Turn ON the power.
- Press three buttons of **[TAPE]**, **[CD]**, and **[BAND]** simultaneously.
- The set is reset.

### [LIQUID CRYSTAL DISPLAY ALL LIT CHECK MODE]

**Procedure:**

- Set to standby state.
- Press three buttons of **[TAPE]**, **[CD]**, and **[TUNING MODE]** simultaneously.
- Liquid crystal display are all turned on.
- To exit from this mode, press the **[I/⏻]** button to turn the power OFF.

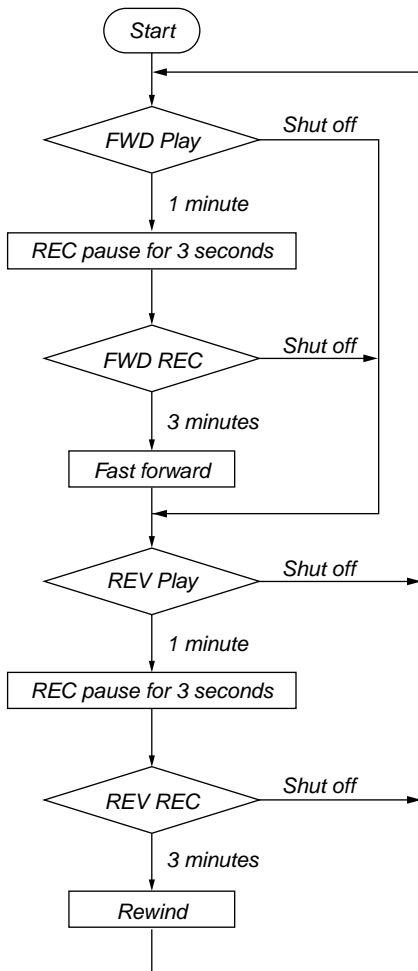
### [TAPE DECK AGING MODE]

This mode can be used for operation check of tape deck section.

**Procedure:**

- Set a tape in the tape deck.
- Set to standby state.
- Press three buttons of **[TAPE]**, **[CD]**, and **[TUNING +]** simultaneously.
- The aging is executed in bellow sequence.
- To exit from the aging mode, press the **[I/⏻]** button to turn the power OFF.

**Aging mode sequence:**



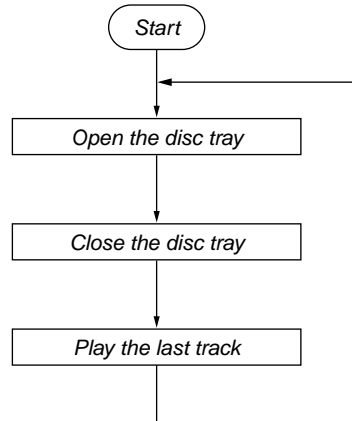
### [CD AGING MODE]

This mode can be used for operation check of CD section.

**Procedure:**

- Load a CD disc.
- Set to standby state.
- Press three buttons of **[TAPE]**, **[CD]**, and **[TUNING -]** simultaneously.
- The aging is executed in bellow sequence.
- To exit from the aging mode, press the **[I/⏻]** button to turn the power OFF.

**Aging mode sequence:**



### [CHANGE-OVER MD/VIDEO]

**Procedure:**

- Set to standby state.
- Press the **[CD]** and the **[FUNCTION]** buttons simultaneously.  
The function changes over to MD or VIDEO by turns.

### [CHANGE-OVER THE AM TUNING INTERVAL] (EXCEPT AEP and UK models)

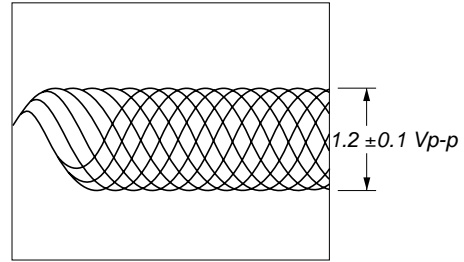
- The AM tuning interval can be changed over 9 kHz or 10 kHz.

**Procedure:**

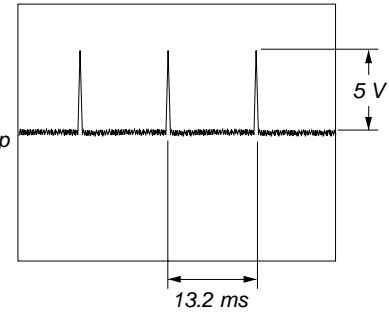
- Press the **[I/⏻]** button to turn the power ON.
- Select the function "TUNER", and press the **[BAND]** button to select the BAND "AM".
- Press the **[I/⏻]** button to turn the power OFF.
- Change over to 9 kHz:  
Press the **[TUNING -]** and the **[CD]** buttons simultaneously.  
Change over to 10 kHz:  
Press the **[TUNING +]** and the **[CD]** buttons simultaneously.

• Waveforms  
– CD Board –

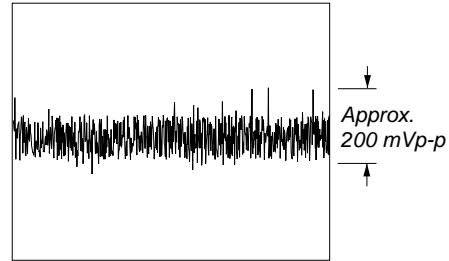
1 IC103 16 (RFO) (CD Play Mode)



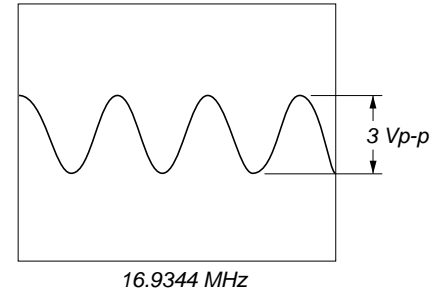
6 IC101 20 (SCOR) (CD Play Mode)



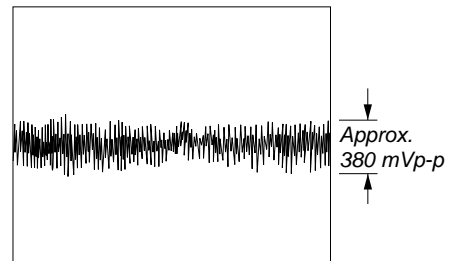
2 IC103 14 (FE) (CD Play Mode)



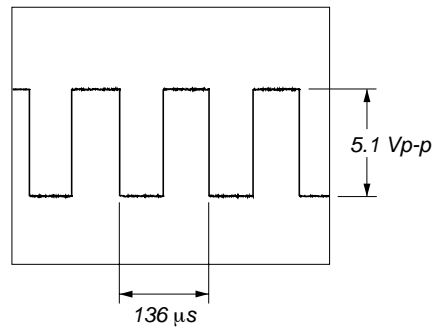
7 IC101 66 (XTAI)



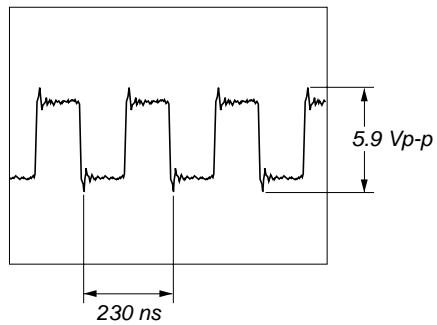
3 IC103 13 (TE) (CD Play Mode)



4 IC101 15 (WFCK)

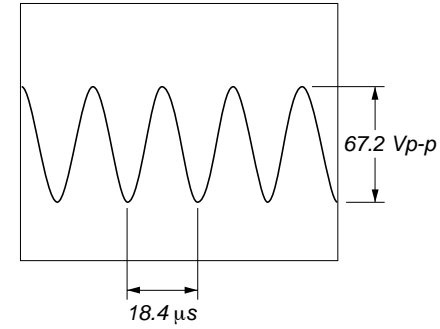


5 IC101 17 (XPCK)

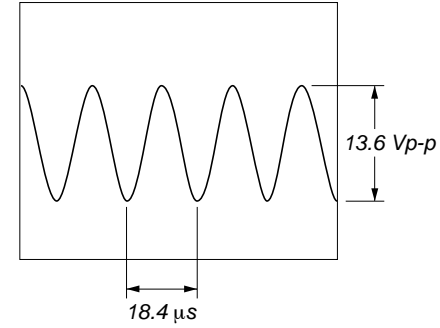


– TC Board –

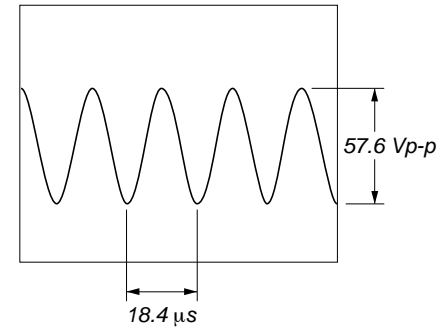
11 T401 (REC Mode)



12 Q401 Collector (REC Mode)

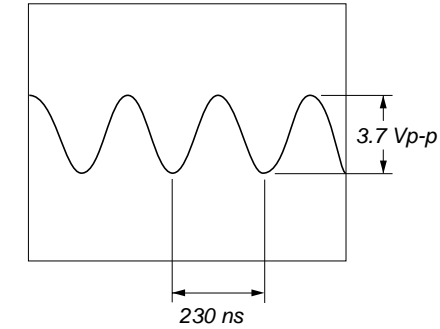


18 T101, 201 (REC Mode)

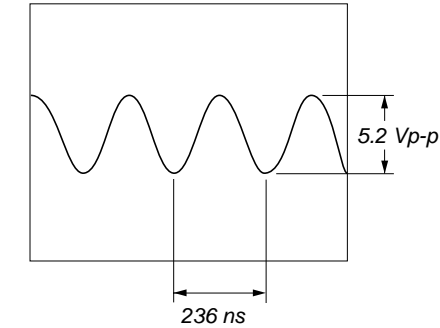


– MAIN Board –

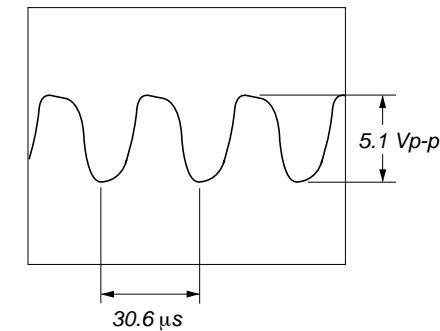
21 IC804 14 (XO) (AEP, UK only)



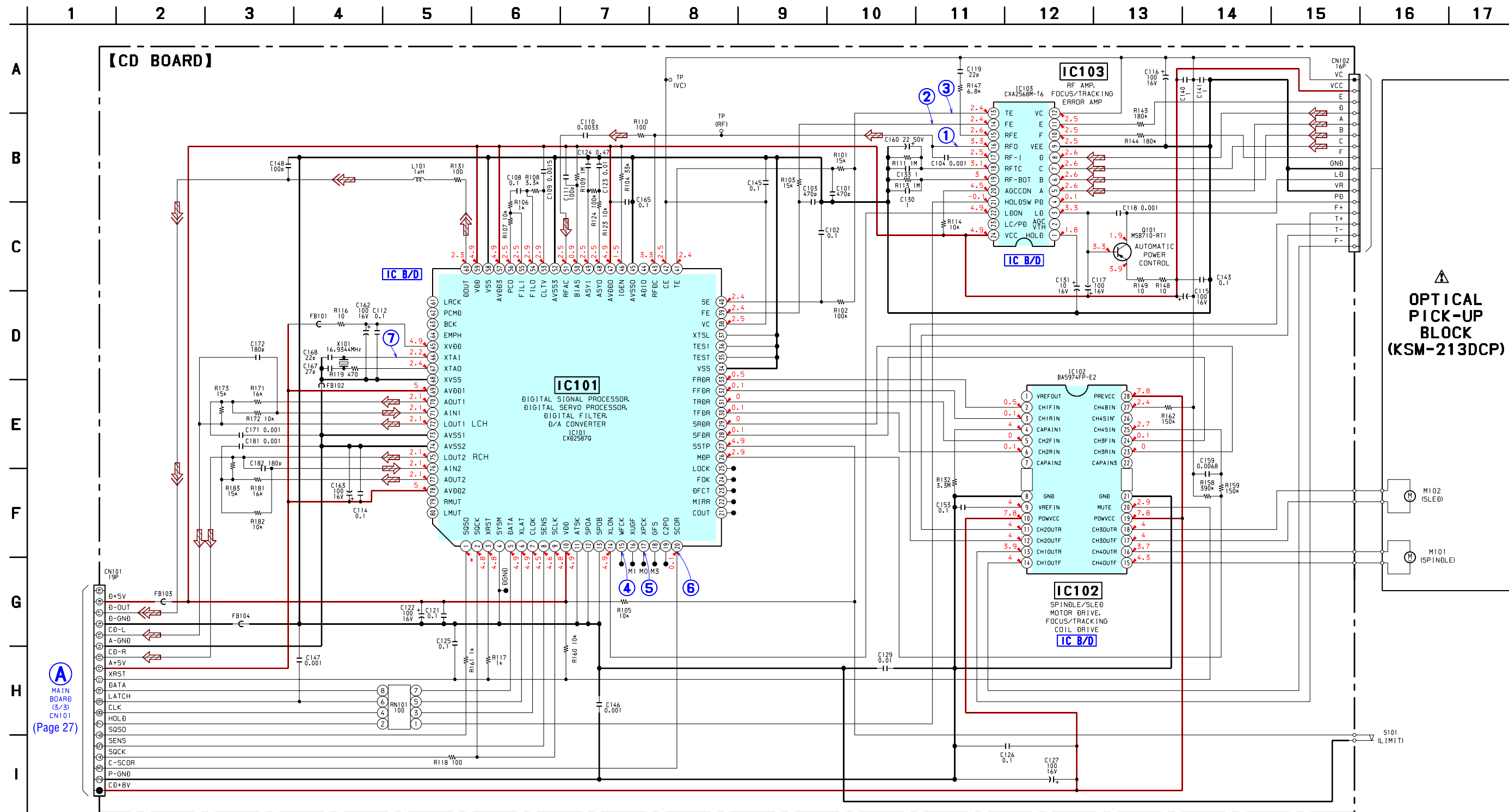
22 IC801 40 (XTAL1)



23 IC801 22 (TX)



6-6. SCHEMATIC DIAGRAM – CD Section – • See page 19 for Waveforms. • See page 32 for IC Block Diagrams.



**A**  
MAIN BOARD (3/3)  
CN101  
(Page 27)

- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- no mark : CD PLAY
- \* : Impossible to measure

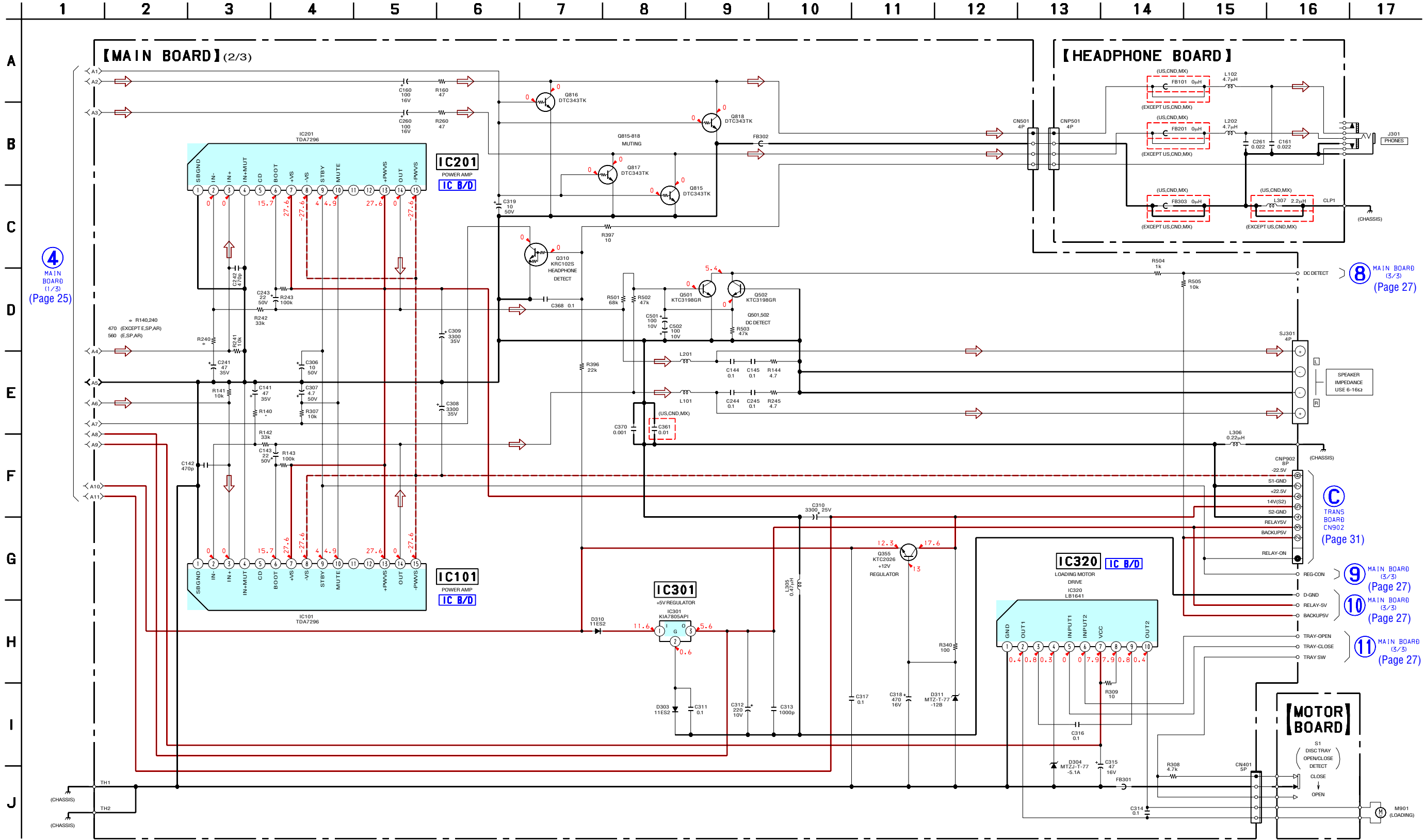
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

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





6-11. SCHEMATIC DIAGRAM – MAIN Section (2/3) – • See page 32 for IC Block Diagrams.



4 MAIN BOARD (1/3) (Page 25)

8 MAIN BOARD (3/3) (Page 27)

C TRANS BOARD CN902 (Page 31)

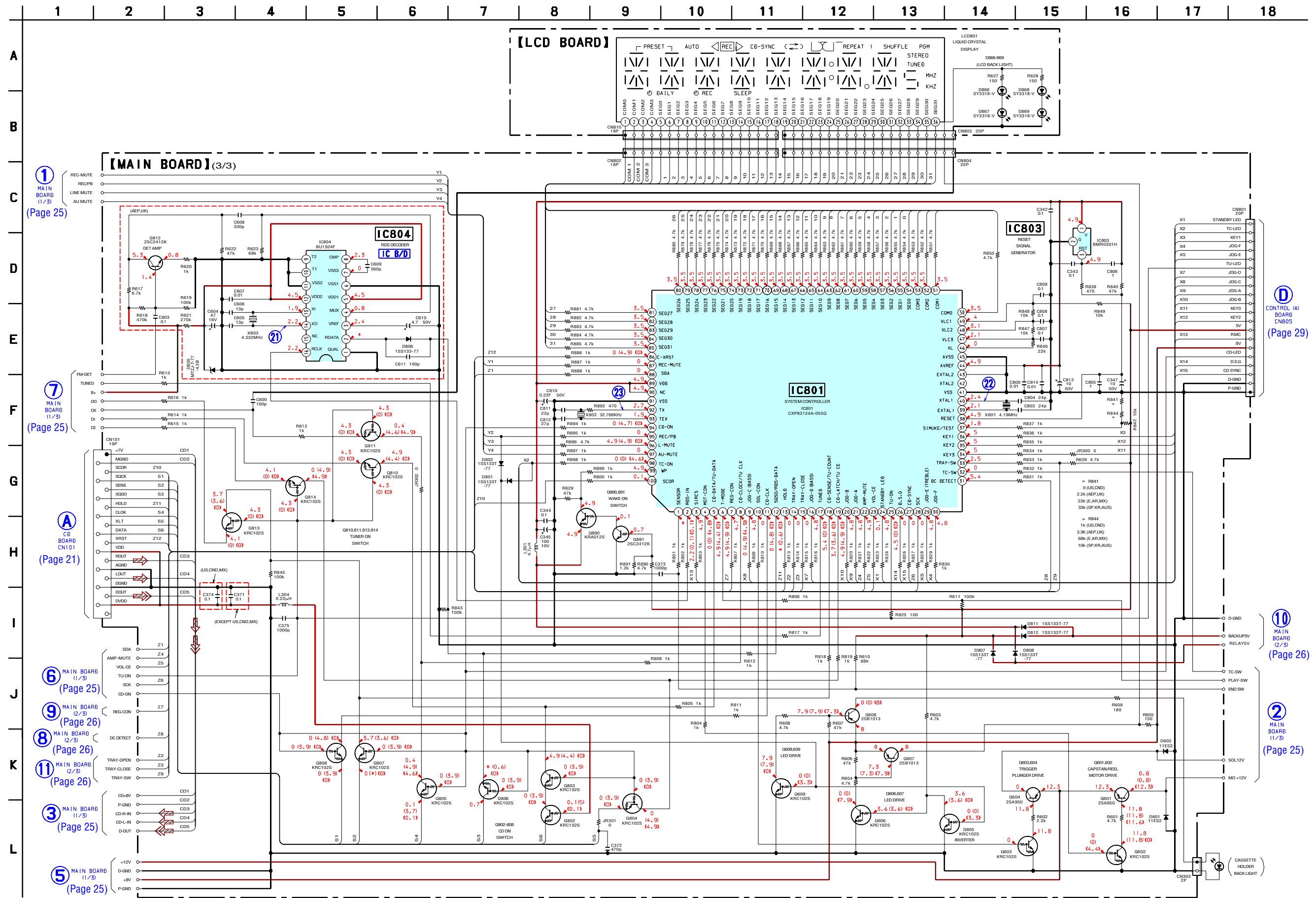
9 MAIN BOARD (3/3) (Page 27)

10 MAIN BOARD (3/3) (Page 27)

11 MAIN BOARD (3/3) (Page 27)

• Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.  
no mark : TUNER  
( ) : CD PLAY  
<< >> : TAPE PLAY

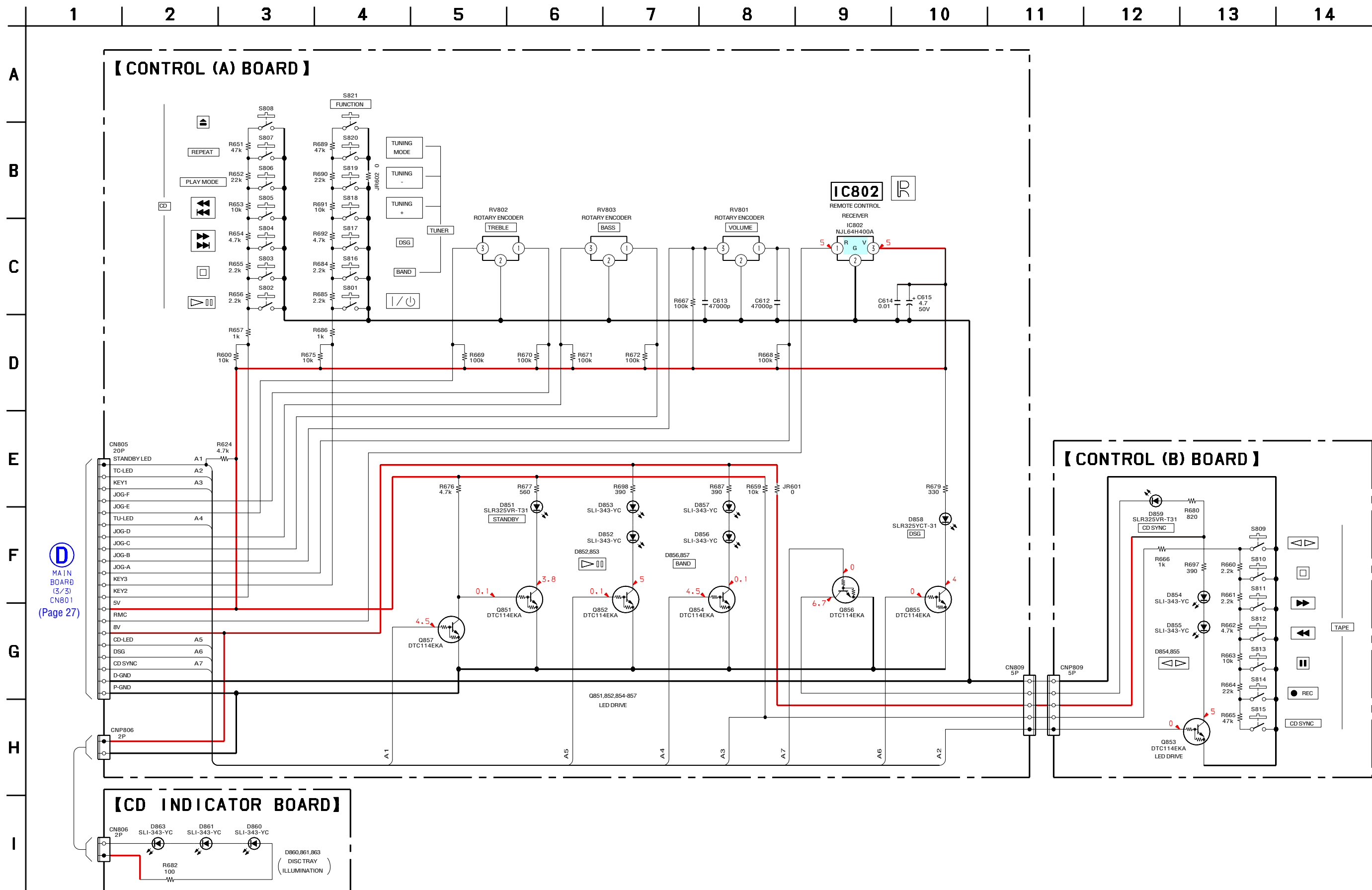
6-12. SCHEMATIC DIAGRAM – MAIN Section (3/3) – • See page 19 for Waveforms. • See page 32 for IC Block Diagram.



• Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.  
 no mark : TUNER  
 ( ) : CD PLAY  
 << >> : TAPE PLAY  
 \* : Impossible to measure



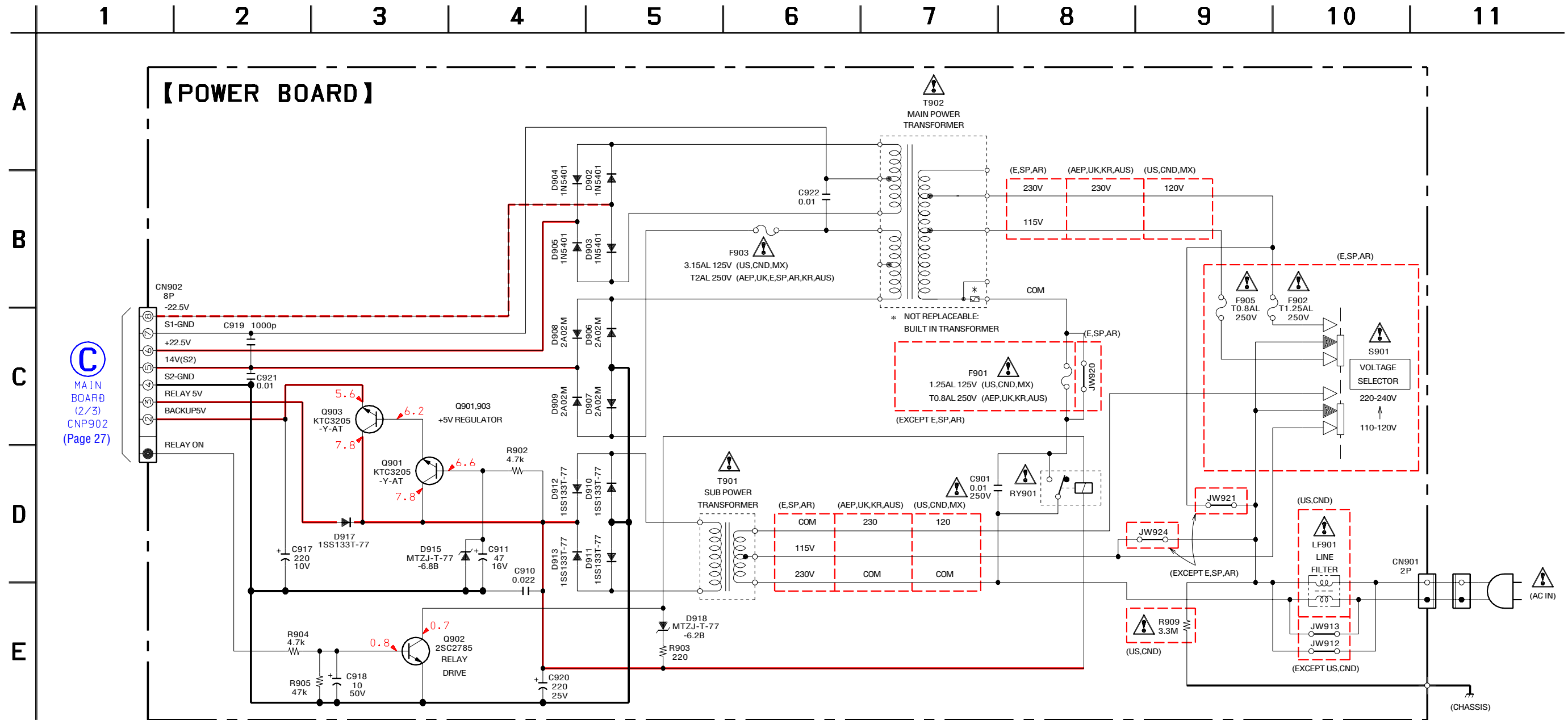
6-14. SCHEMATIC DIAGRAM – CONTROL Section –



• Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.  
no mark : TUNER



6-17. SCHEMATIC DIAGRAM – POWER Section –



**C**  
MAIN BOARD  
(2/3)  
CNP902  
(Page 27)

• Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.  
no mark : TUNER

The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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