

9CD8308100

# Service Manual

## Mini Component Sound System

**Model : NC-8911/NC-8913/NC-8915DU**  
**NC-8911/NC-8913/NC-8915DE**



DAEWOO **DAT** CO., LTD.

July. 2009

# **Mini component sound system**

## **NC-8911/NC-8913/NC-8915DU**

## **NC-8911/NC-8913/NC-8915DE**

### **Table of Contents**

|                                               |   |
|-----------------------------------------------|---|
| SAFETY PRECAUTIONS .....                      | 1 |
| ADJUSTMENTS .....                             | 2 |
| TROUBLE SHOOTING GUIDE .....                  | 3 |
| EXPLODED VIEW AND MECHANICAL PARTS LIST ..... | 4 |
| WIRING DIAGRAM .....                          | 5 |
| BLOCK DIAGRAM .....                           | 6 |
| SCHEMATIC DIAGRAM .....                       | 7 |
| • FRONT Section                               |   |
| • MP3 / CD Section                            |   |
| • MAIN Section                                |   |
| • POWER Section                               |   |
| P.C.B PATTERN LAYOUT .....                    | 8 |
| • FRONT Section                               |   |
| • MP3 / CD Section                            |   |
| • MAIN Section                                |   |
| • POWER Section                               |   |
| APPENDIX - ELECTRICAL PART LIST .....         | 9 |

# Safety Precautions

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

|                                                                                                                                                                         |                                                                                                                                                                                                                 |                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                        | <b>CAUTION</b><br><b>RISK OF ELECTRIC SHOCKS</b><br><b>DO NOT OPEN</b>                                                                                                                                          |  |
| <b>CAUTION :</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. |                                                                                                                                                                                                                 |                                                                                   |
|                                                                                        | THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS. |                                                                                   |
|                                                                                        | THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.                                         |                                                                                   |

## **CAUTION**

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

## **LASER SAFETY**

THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

**CAUTION :** USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

**CAUTION :** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**ATTENTION :** POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

## Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
  - The safety and operating instructions should be retained for future reference.
  - All warnings on the appliance and in the operating instructions should be adhered to.
  - All operating and use instructions should be followed.
1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink,

laundry tub, in a wet basement, or near a swimming pool, and the like.

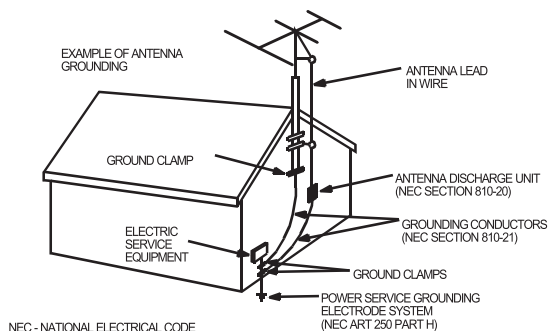
## PORTABLE CART



Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

13. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.



14. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

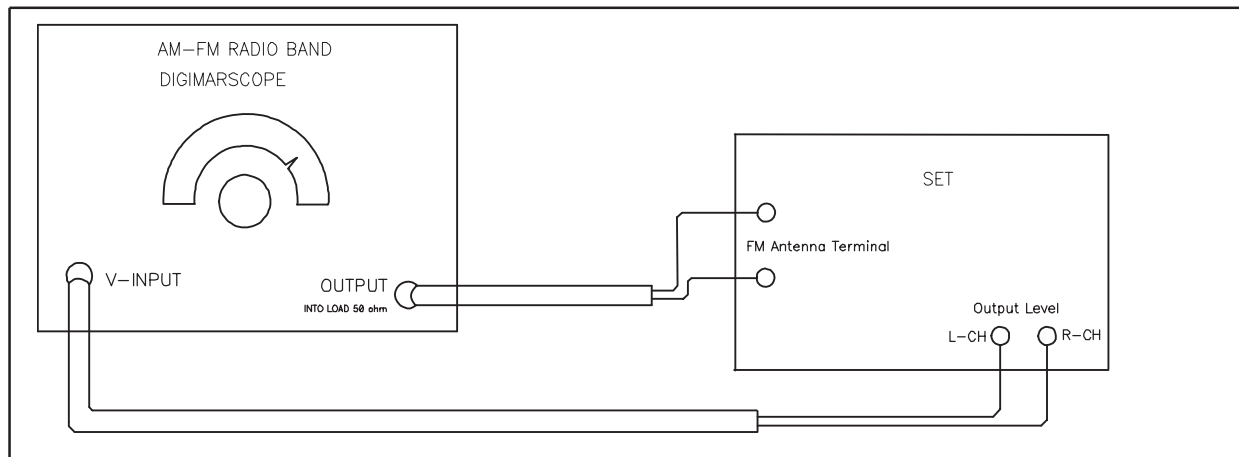
- a) The power-supply cord or the plug has been damaged; or
- b) Objects have fallen, or liquid has been spilled into the appliance; or
- c) The appliance has been exposed to rain; or
- d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
- e) The appliance has been dropped, or the enclosure damaged.

17. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

# Adjustments

## ● TUNER Section

### FM TEST EQUIPMENT



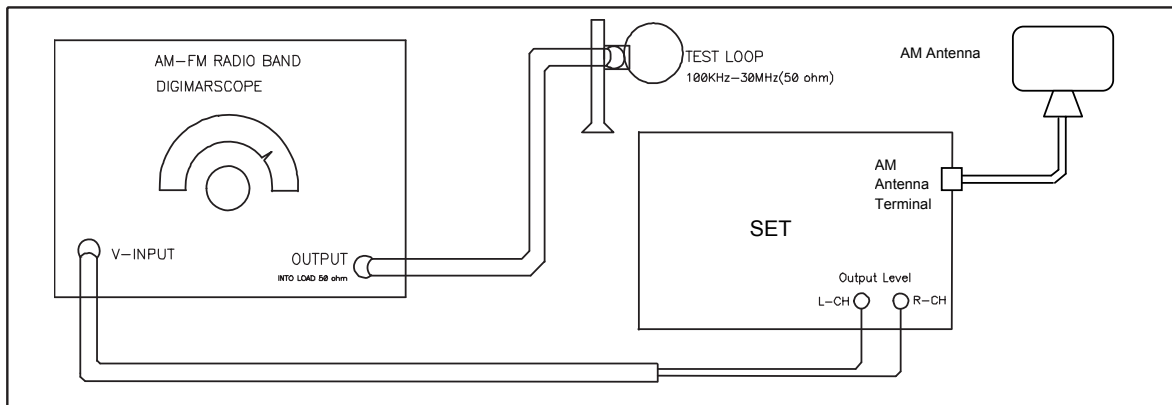
1. Adjust L003 to obtain  $87\text{MHz} \pm 0.5$
2. Adjust PVC1(FM OSC) to obtain  $108.5\text{MHz} \pm 0.5$
3. Adjust L002 to obtain maximal waveform for 90MHz
4. Adjust PVC2(FM ANT) to obtain maximal waveform for 106MHz

| Item                          | Input Circuit Setup                                               | Output Circuit Setup                                      | S.S.G setting        | Adjust point | Adjustment                           |
|-------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------|----------------------|--------------|--------------------------------------|
| FM Frequency Range Adjustment | Connect output signal generator to FM ANT terminal of D001(-) pin | Connect V-Input signal generator to CE002(-)/CE003(-) pin | 87MHz<br>Dev.26dB    | L003         | Adjust for $87\text{MHz} \pm 0.5$    |
|                               |                                                                   |                                                           | 108.5MHz<br>Dev.26dB | PVC1(FM OSC) | Adjust for $108.5\text{MHz} \pm 0.5$ |
| FM RF                         | Connect output signal generator to FM ANT terminal of D001(-) pin | Connect V-Input signal generator to CE002(-)/CE003(-) pin | 90MHz<br>Dev.26dB    | L002         | Adjust maximal waveform for 90MHz    |
|                               |                                                                   |                                                           | 106MHz<br>Dev.26dB   | PVC2(FM ANT) | Adjust maximal waveform for 106MHz   |

# Adjustments

## ● TUNER Section

### AM TEST EQUIPMENT



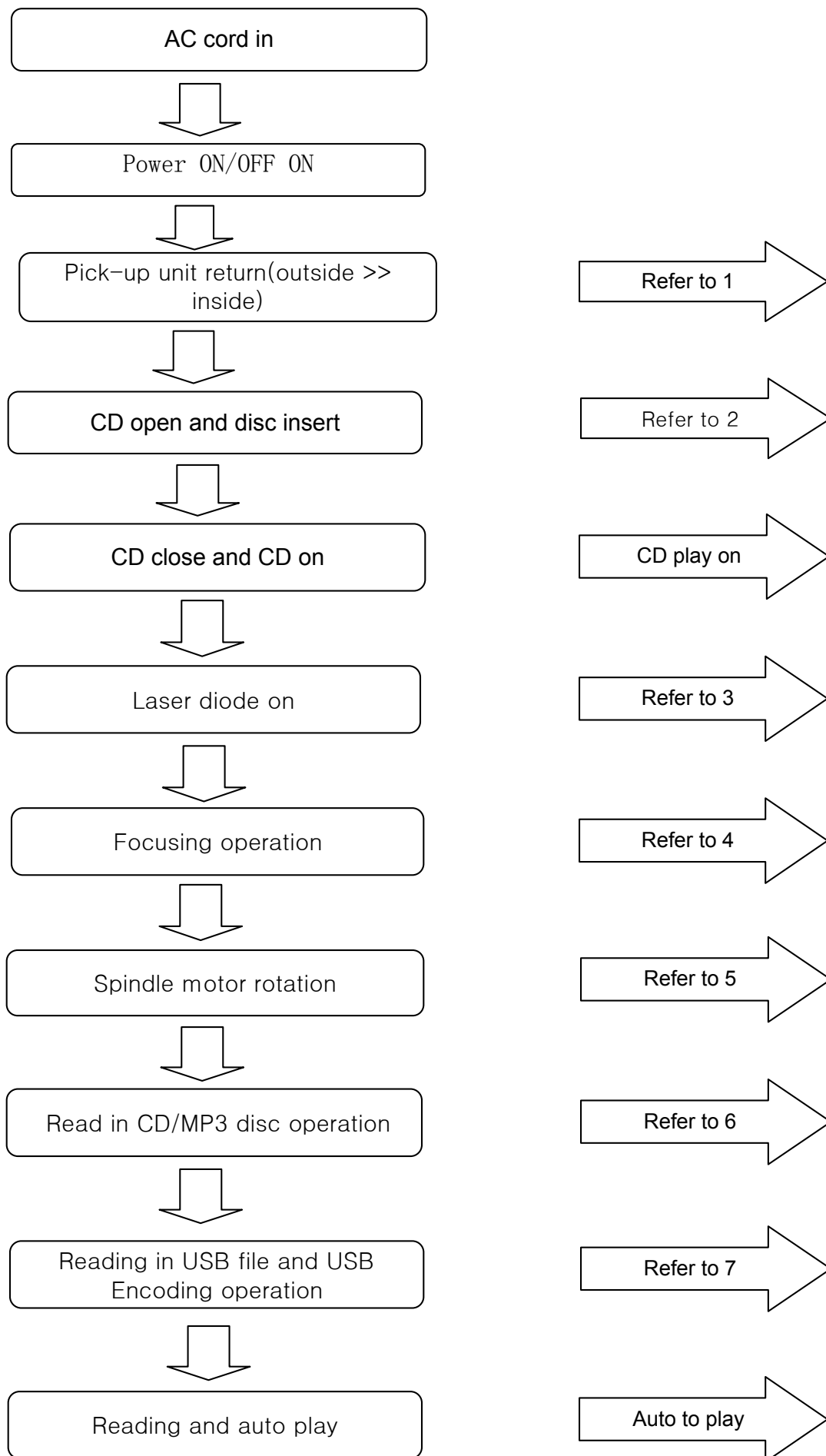
1. Adjust L009 to obtain 510KHz $\pm$ 10(America)/513KHz $\pm$ 9(Europe)
2. Adjust PVC3(AM OSC) to obtain 1730KHz $\pm$ 20(America)/1638KHz $\pm$ 18(Europe).
3. Adjust L011 to obtain maximal waveform for 600KHz
4. Adjust PVC4(AM ANT) to obtain maximal waveform for 1400KHz

| Item                          | Input Circuit Setup                          | Output Circuit Setup                                      | S.S.G setting                                   | Adjust point | Adjustment                                                          |
|-------------------------------|----------------------------------------------|-----------------------------------------------------------|-------------------------------------------------|--------------|---------------------------------------------------------------------|
| AM Frequency Range Adjustment | Connect output signal generator to test loop | Connect V-Input signal generator to CE002(-)/CE003(-) pin | 510KHz(America)<br>513KHz(Europe)<br>Dev.60dB   | L009         | Adjust for<br>510KHz $\pm$ 10(America)<br>513KHz $\pm$ 9(Europe)    |
|                               |                                              |                                                           | 1730KHz(America)<br>1638KHz(Europe)<br>Dev.60dB | PVC3(AM OSC) | Adjust for<br>1730KHz $\pm$ 20(America)<br>1638KHz $\pm$ 18(Europe) |
| AM RF                         | Connect output signal generator to test loop | Connect V-Input signal generator to CE002(-)/CE003(-) pin | 600KHz<br>Dev.60dB                              | L011         | Adjust maximal waveform for 600KHz                                  |
|                               |                                              |                                                           | 1400KHz<br>Dev.60dB                             | PVC4(AM ANT) | Adjust maximal waveform for 1400KHz                                 |

# Trouble Shooting Guide

3

## ● MP3/CD Section

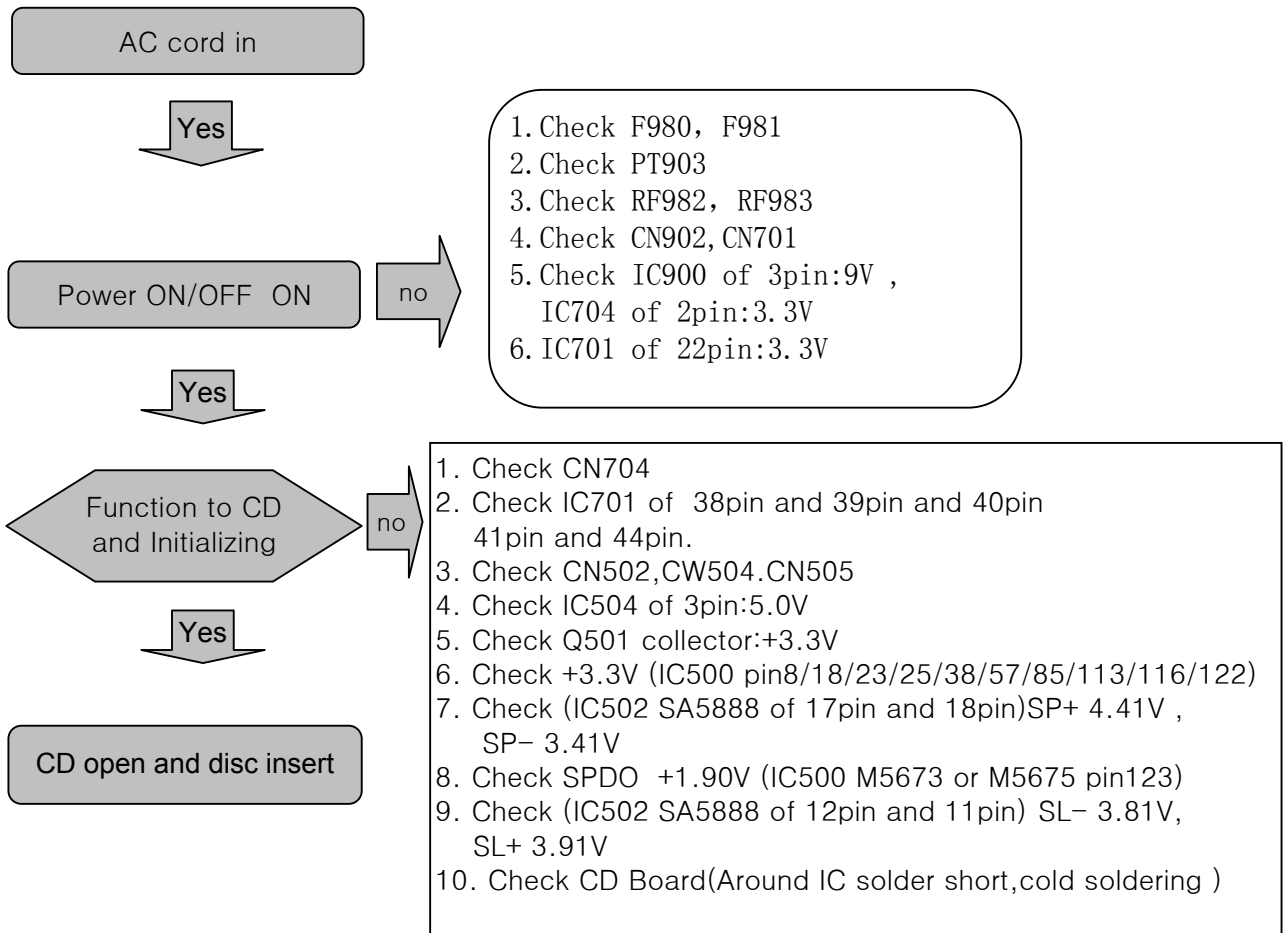


3

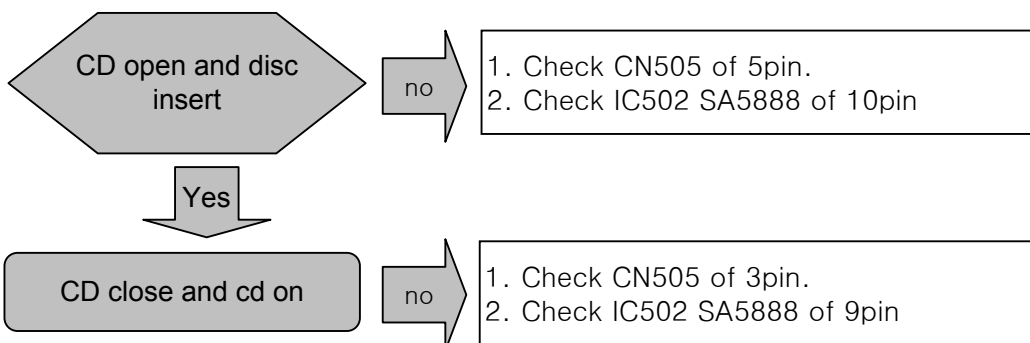
# Trouble Shooting Guide

## ● MP3/CD Section

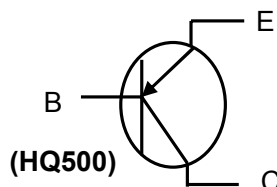
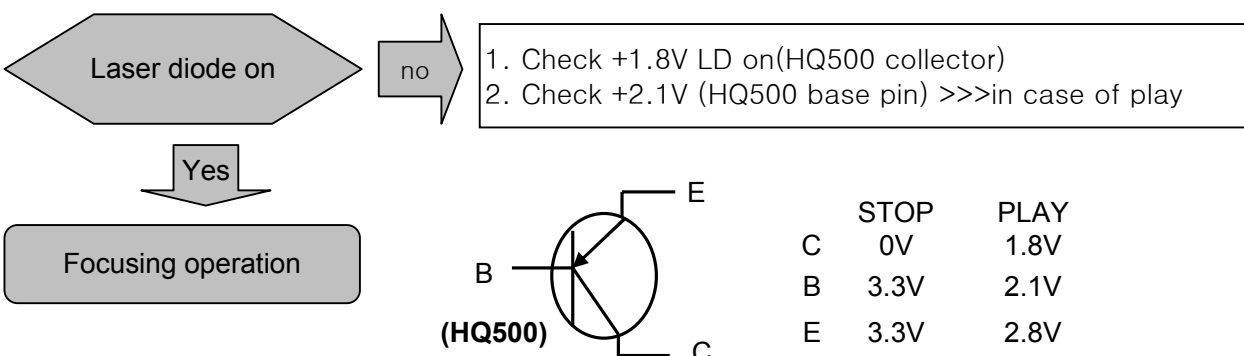
### 1. Pick-up unit return



### 2. CD open and disc insert



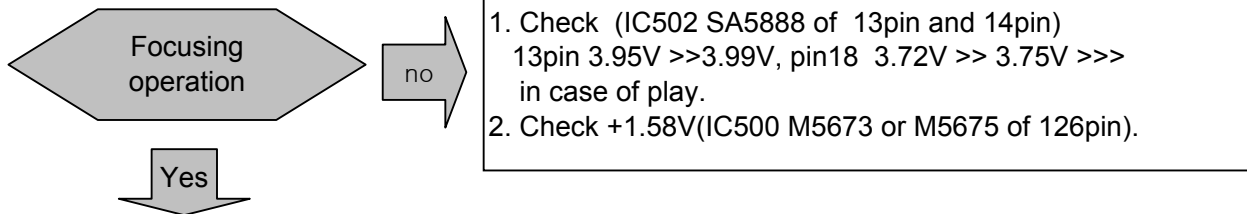
### 3. Laser diode on



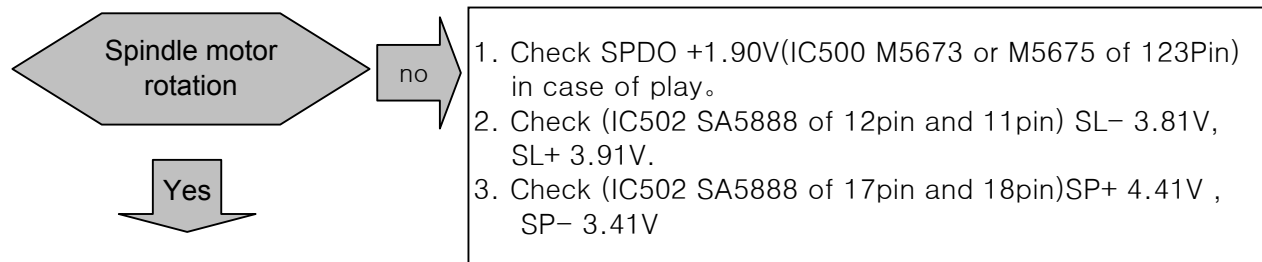
|   | STOP | PLAY |
|---|------|------|
| C | 0V   | 1.8V |
| B | 3.3V | 2.1V |
| E | 3.3V | 2.8V |

## ● MP3/CD Section

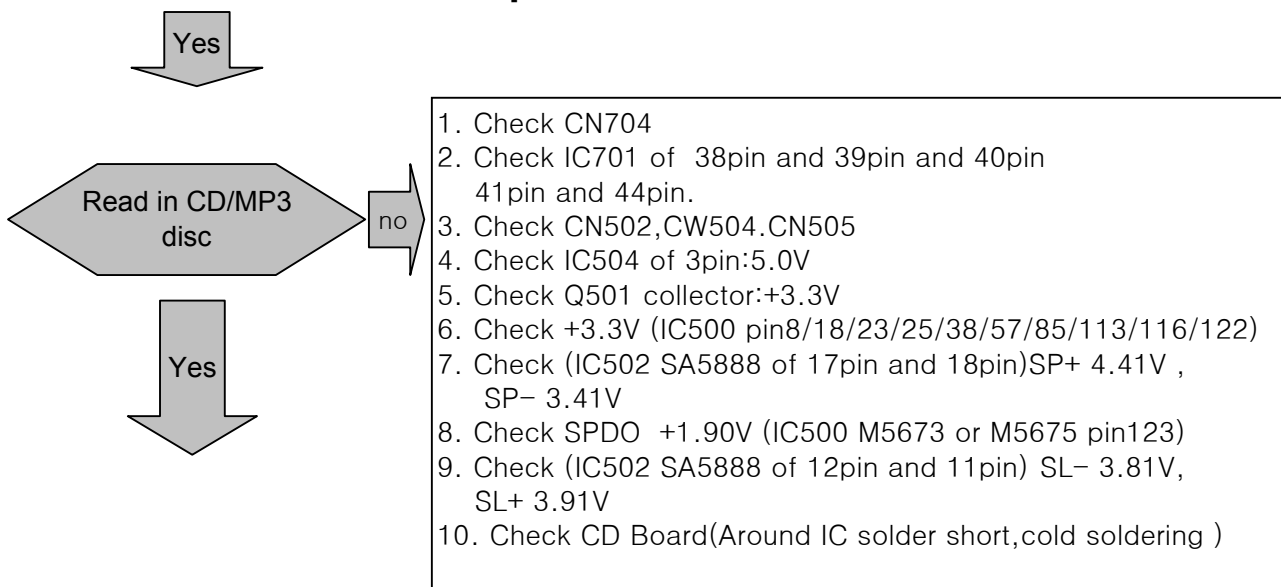
### 4. Focusing operation



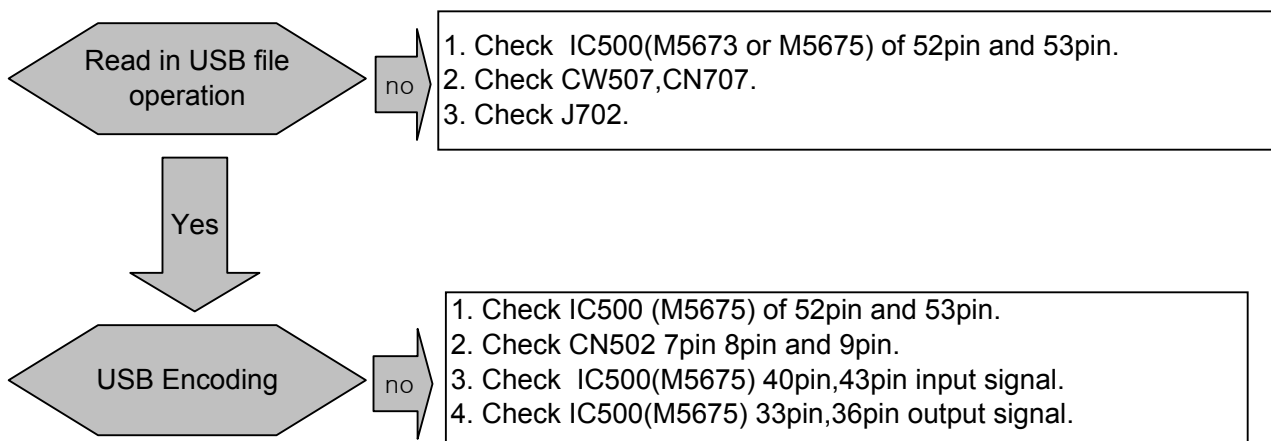
### 5. Spindle motor rotation



### 6. Read in CD/MP3 disc operation

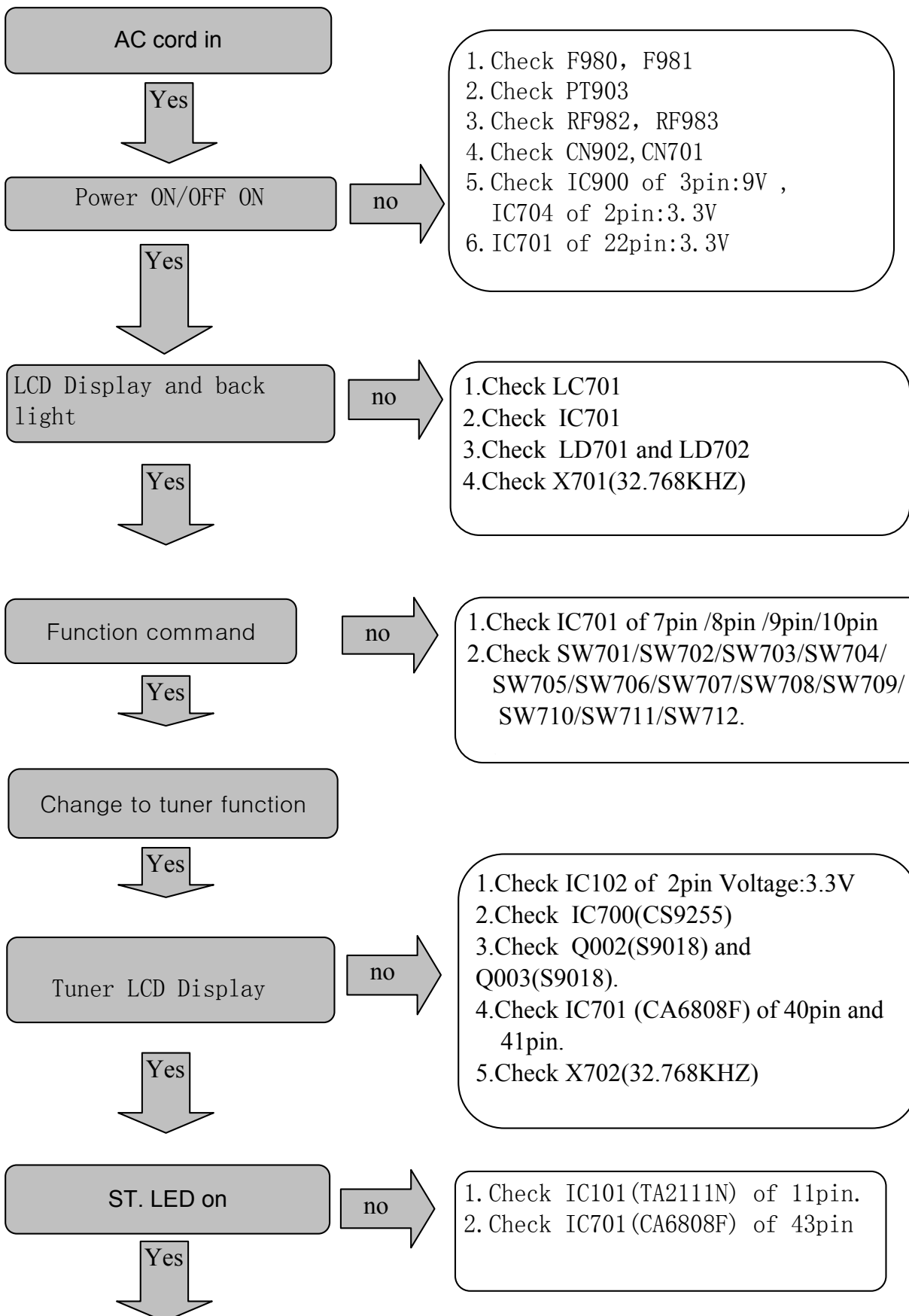


### 7. Read in USB file and USB Encoding operation



# Trouble Shooting Guide

## ● Front Section

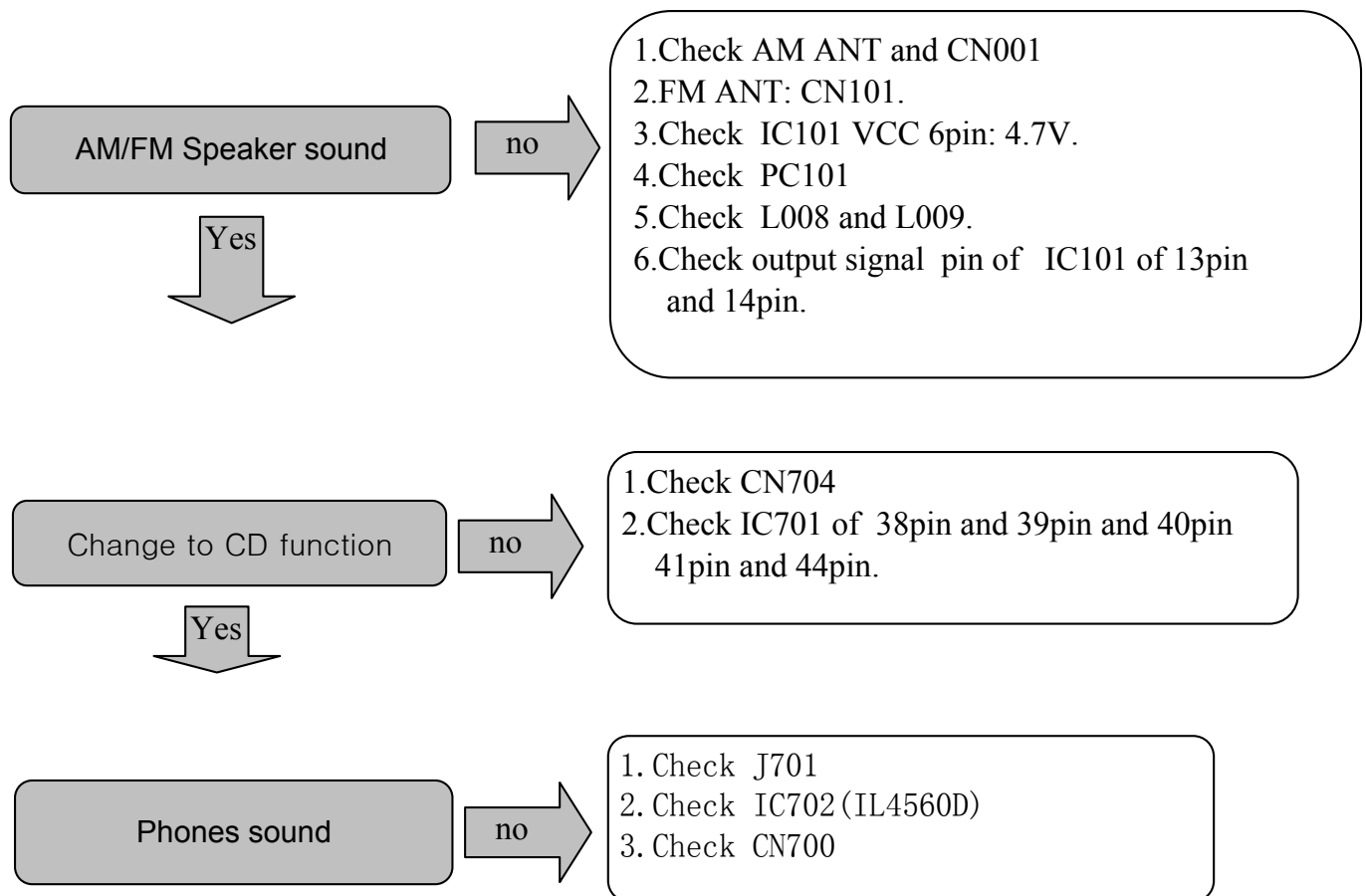


# Trouble Shooting Guide

3

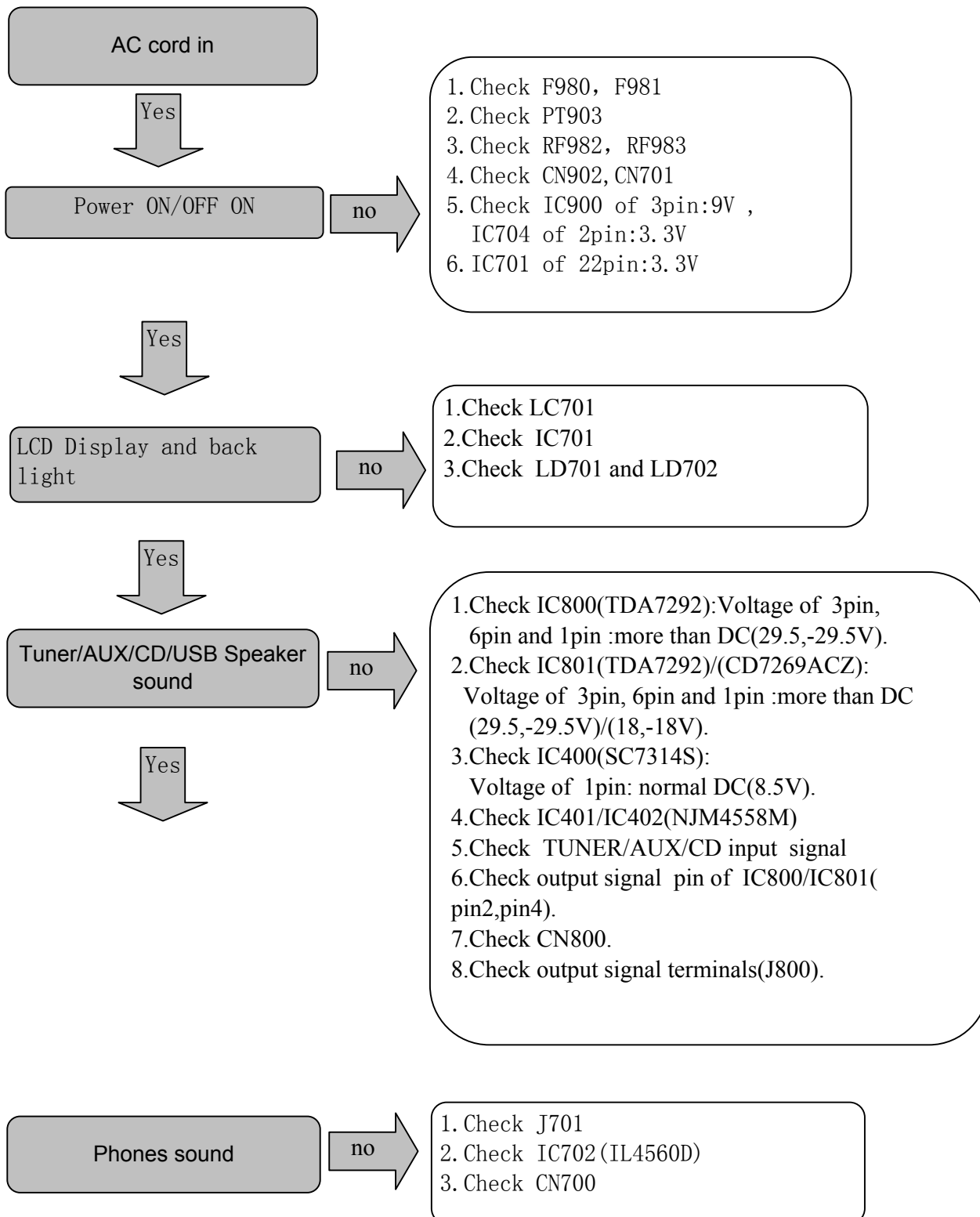
## ● Front Section

3

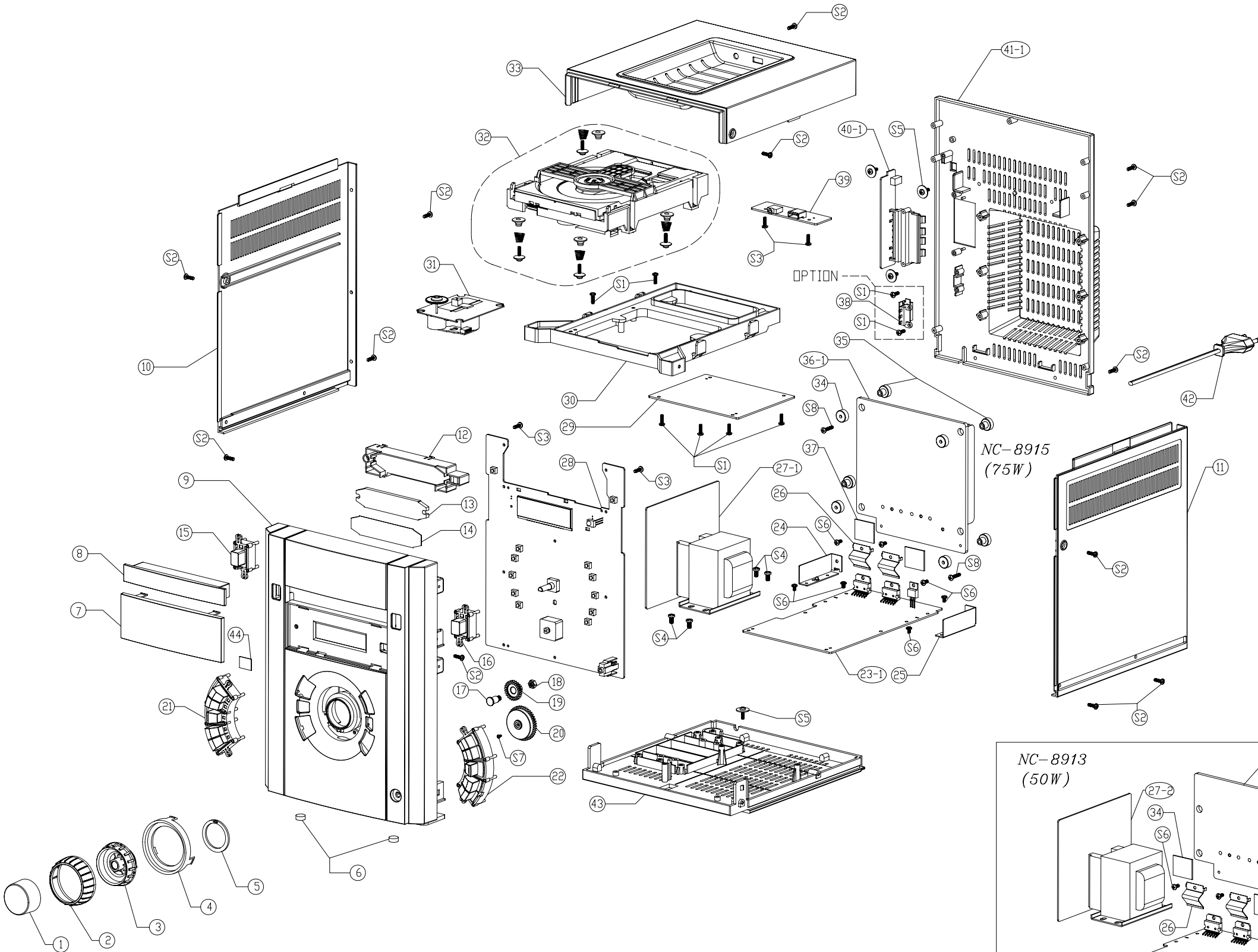


# Trouble Shooting Guide

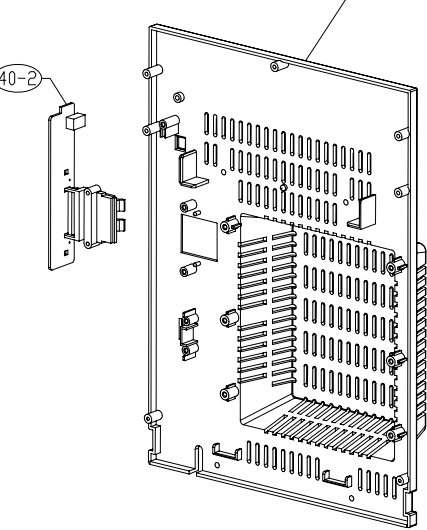
## ● POWER&AMP Section



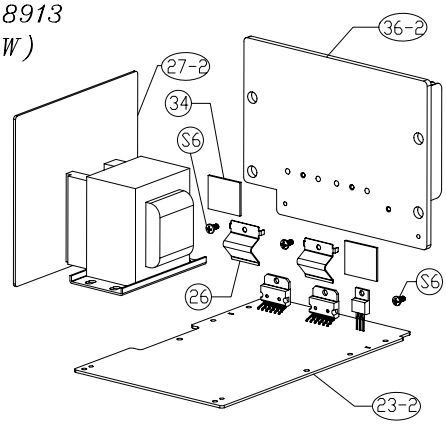
Exploded View and Mechanical Parts List



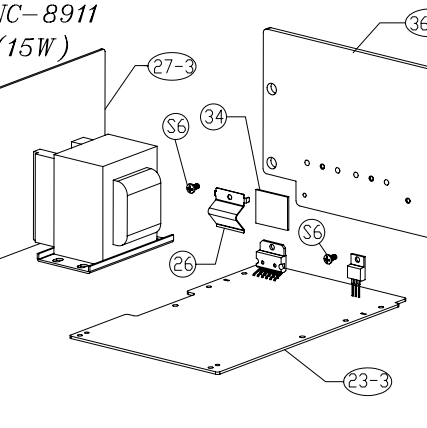
NC-8911



NC-8913 (50W)



NC-8911 (15W)



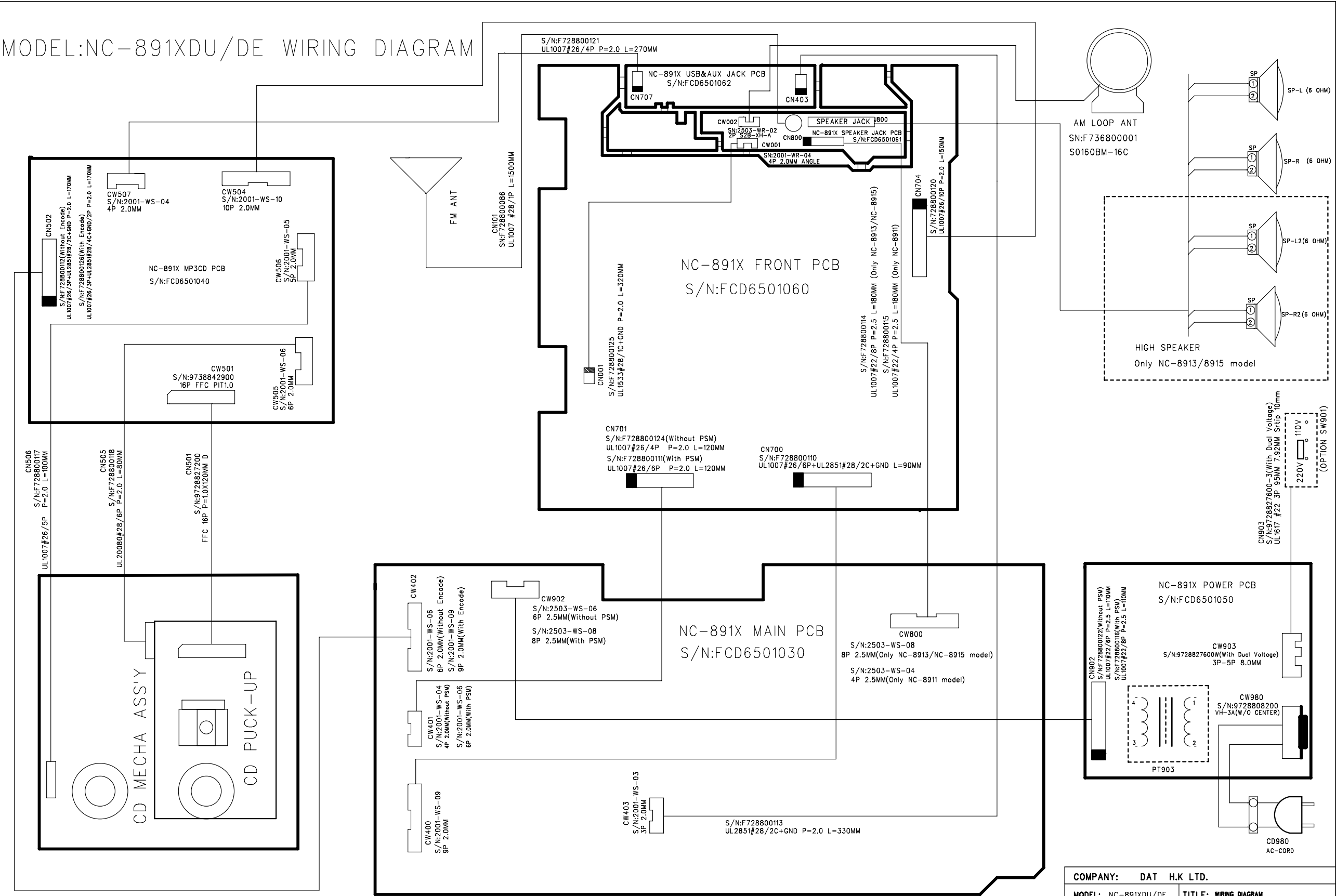
Exploded View and Mechanical Parts List

| No.  | PARTS NAME       | CODE NO.   | DESCRIPTIONS      | Q'TY | REMARKS      |
|------|------------------|------------|-------------------|------|--------------|
| 1    | KNOB VR          | 9CD1369300 | HIPS              | 1    |              |
| 2    | DECO CAP         | 9CD1018400 | HIPS              | 1    |              |
| 3    | DECO TUNING      | 9CD1018500 | ABS               | 1    |              |
| 4    | DECO RING        | 9CD1018600 | ABS               | 1    |              |
| 5    | STOPPER          | 9CD5700700 | HIPS              | 1    |              |
| 6    | CUSHION FOOT     | 9CD4207700 | URETHANE D10*4.0T | 2    |              |
| 7    | WINDOW LCD       | 9CD1628300 | PMMA (SMOG)       | 1    |              |
| 8    | DOOR CD          | 9CD1819200 | HIPS              | 1    |              |
| 9    | PANEL FRONT      | 9CD0321600 | HIPS              | 1    |              |
| 10   | COVER SIDE L     | 9CD0425400 | HIPS              | 1    |              |
| 11   | COVER SIDE R     | 9CD0425500 | HIPS              | 1    |              |
| 12   | GUIDE LCD        | 9CD2509100 | HIPS              | 1    |              |
| 13   | WIDDOW REFLECTOR | 9CD1621600 | PMMA (CLEAR)      | 1    | RL-412 共用    |
| 14   | SHEET DIFFUSION  | 9CD9603100 | PE                | 1    | RL-412 共用    |
| 15   | KNOB POWER       | 9CD1369500 | HIPS              | 1    |              |
| 16   | KNOB OPEN        | 9CD1369400 | HIPS              | 1    |              |
| 17   | PIN GEAR         | 9CD3501700 | PW                | 1    |              |
| 18   | NUT              | 7391500011 | M5X0.8            | 1    |              |
| 19   | GEAR IDLE        | 9CD2702700 | HIPS              | 1    |              |
| 20   | GEAR PVC         | 9CD2702600 | HIPS              | 1    |              |
| 21   | KNOB FUNCTION L  | 9CD13696L0 | HIPS              | 1    |              |
| 22   | KNOB FUNCTION R  | 9CD13696R0 | HIPS              | 1    |              |
| 23-1 | PCB MAIN AS      | FCDC004810 | NC-8915           | 1    |              |
| 23-2 | PCB MAIN AS      | FCDC004800 | NC-8913           | 1    |              |
| 23-3 | PCB MAIN AS      | FCDC004790 | NC-8911           | 1    |              |
| 24   | BRACKET PCB L    | 9CD2421700 | SECC 1.0T         | 1    |              |
| 25   | BRACKET PCB R    | 9CD2421800 | SECC 1.0T         | 1    |              |
| 26   | BRACKET HEAT TR  | 9CD2413901 | STS 0.4T          | 2    | NC-8911 1pcs |
| 27-1 | PCB FUSE AS      | FCDC005006 | NC-8915           | 1    |              |
| 27-2 | PCB FUSE AS      | FCDC005003 | NC-8913           | 1    |              |
| 27-3 | PCB FUSE AS      | FCDC005000 | NC-8911           | 1    |              |

| No.  | PARTS NAME          | CODE NO.     | DESCRIPTIONS          | Q'TY | REMARKS          |
|------|---------------------|--------------|-----------------------|------|------------------|
| 28   | PCB FRONT AS        | FCDC005100   | NC-8911/8913/8915     | 1    |                  |
| 29   | PCB MP3 CD AS       | FCDC004900   | NC-8911/8913/8915     | 1    |                  |
| 30   | BRACKET CD DECK     | 9CD2421600   | HIPS                  | 1    |                  |
| 31   | CD- PICK UP         | 9CD6014830   | R800                  | 1    | PLATE TYPE       |
| 32   | CD DECK             | 9CD6016800   | 8210D                 | 1    | ASA              |
| 33   | COVER TOP           | 9CD0425200   | HIPS                  | 1    |                  |
| 34   | HOLDER SCREW A      | 9CD2307500   | POM                   | 4    |                  |
| 35   | HOLDER SCREW B      | 9CD2307600   | POM                   | 4    |                  |
| 36-1 | HEAT SINK 75        | 9CD4415300   | AL                    | 1    | NC-8915 (75W)    |
| 36-2 | HEAT SINK 50        | 9CD4415200   | AL                    | 1    | NC-8913 (50W)    |
| 36-3 | HEAT SINK 15        | 9CD4415000   | AL                    | 1    | NC-8911 (15W)    |
| 37   | PLATE MICA          | 9CD0910600   | WHITE MICA 25X30mm    | 2    | NC-8911 1pcs     |
| 38   | SW VOLTAGE SELE     | 5S30102377-1 | ZH-06-01              | 1    | ONLY FOR TOSHIBA |
| 39   | PCB USB&AUX AS      | FCDC005104   | NC-8911/8913/8915     | 1    |                  |
| 40-1 | PCB SPEAKER JACK AS | FCDC005103   | NC-8913/8915          | 1    |                  |
| 40-2 | PCB SPEAKER JACK AS | FCDC005102   | NC-8911               | 1    |                  |
| 41-1 | COVER BACK          | 9CD0425300   | HIPS                  | 1    | NC-8913/8915     |
| 41-2 | COVER BACK          | 9CD0425310   | HIPS                  | 1    | NC-8911          |
| 42   | AC CORD             | F736909021   | 2X0.75mm2 L=1.85M     | 1    |                  |
| 43   | CHASSIS BOTTOM      | 9CD0616900   | HIPS                  | 1    |                  |
| 44   | PLATE SENSOR        | 9CD0916800   | PC T=0.5              | 1    |                  |
| S1   | SCREW TAPPTITE      | 7173301011   | TT2 BIN 3X10 MFZN     | 12   | TOSHIBA 向 14pcs  |
| S2   | SCREW TAPPTITE      | 7173301211   | TT2 BIN 3X12 BK       | 23   |                  |
| S3   | SCREW TAPPTITE      | 7173261011   | TT2 BIN 2.6X10 MFZN   | 12   |                  |
| S4   | SCREW TAPPTITE      | 7173401011   | TT2 BIN 4.0X10 MFZN   | 4    |                  |
| S5   | SCREW WASHER        | 9CD3102400   | TT2 WAS 3X10+D14 MFZN | 3    |                  |
| S6   | SCREW TAPPTITE      | 7173300611   | TT2 BIN 3X6 MFZN      | 9    | NC-8911 8pcs     |
| S7   | SCREW MACHINE       | 7003263511   | M2.6X3.5              | 1    |                  |
| S8   | SCREW TAPPTITE      | 7173302111   | TT2 BIN 3X21 MFZN     | 4    |                  |
|      |                     |              |                       |      |                  |
|      |                     |              |                       |      |                  |

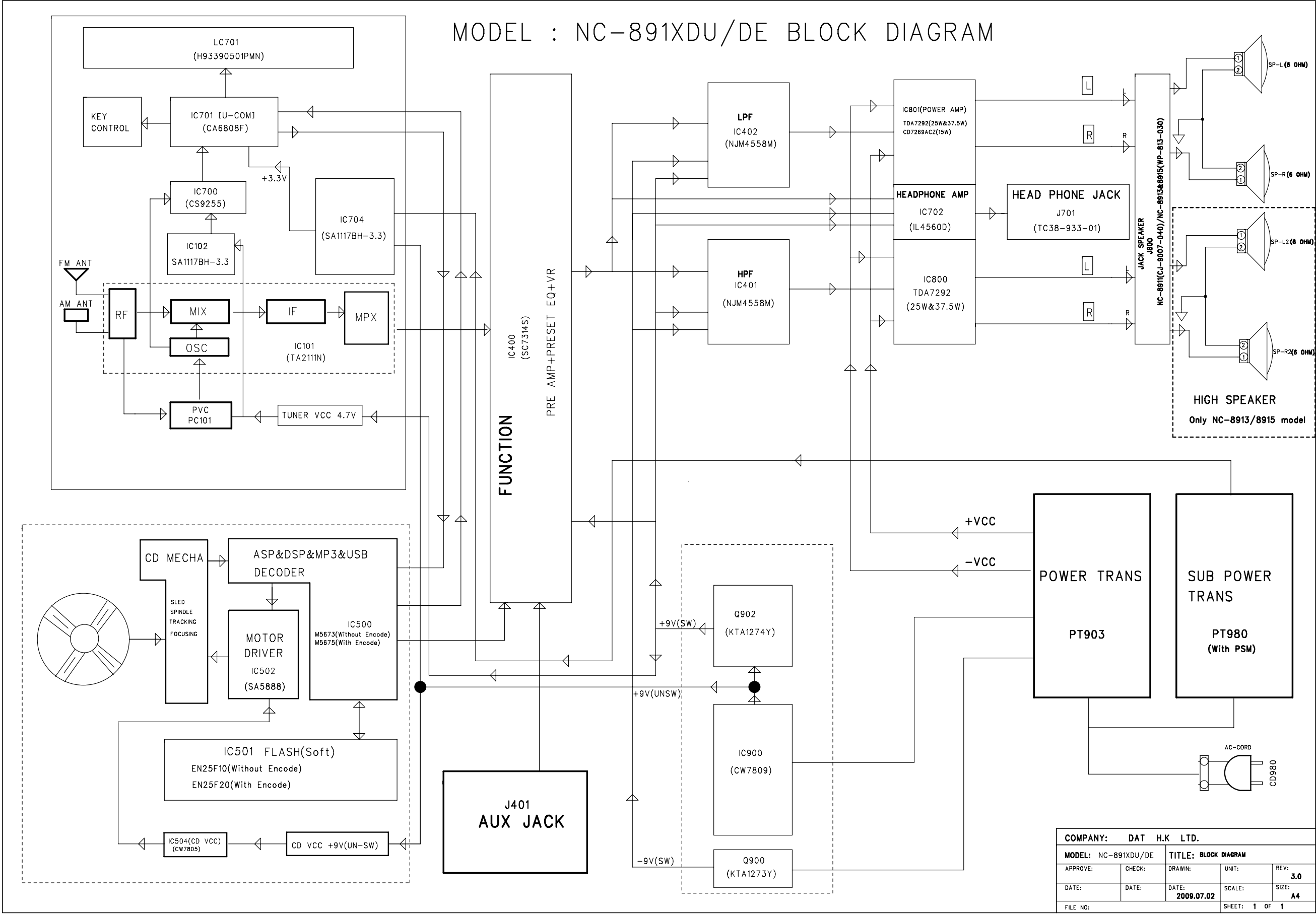
Wiring Diagram

MODEL:NC-891XDU/DE WIRING DIAGRAM



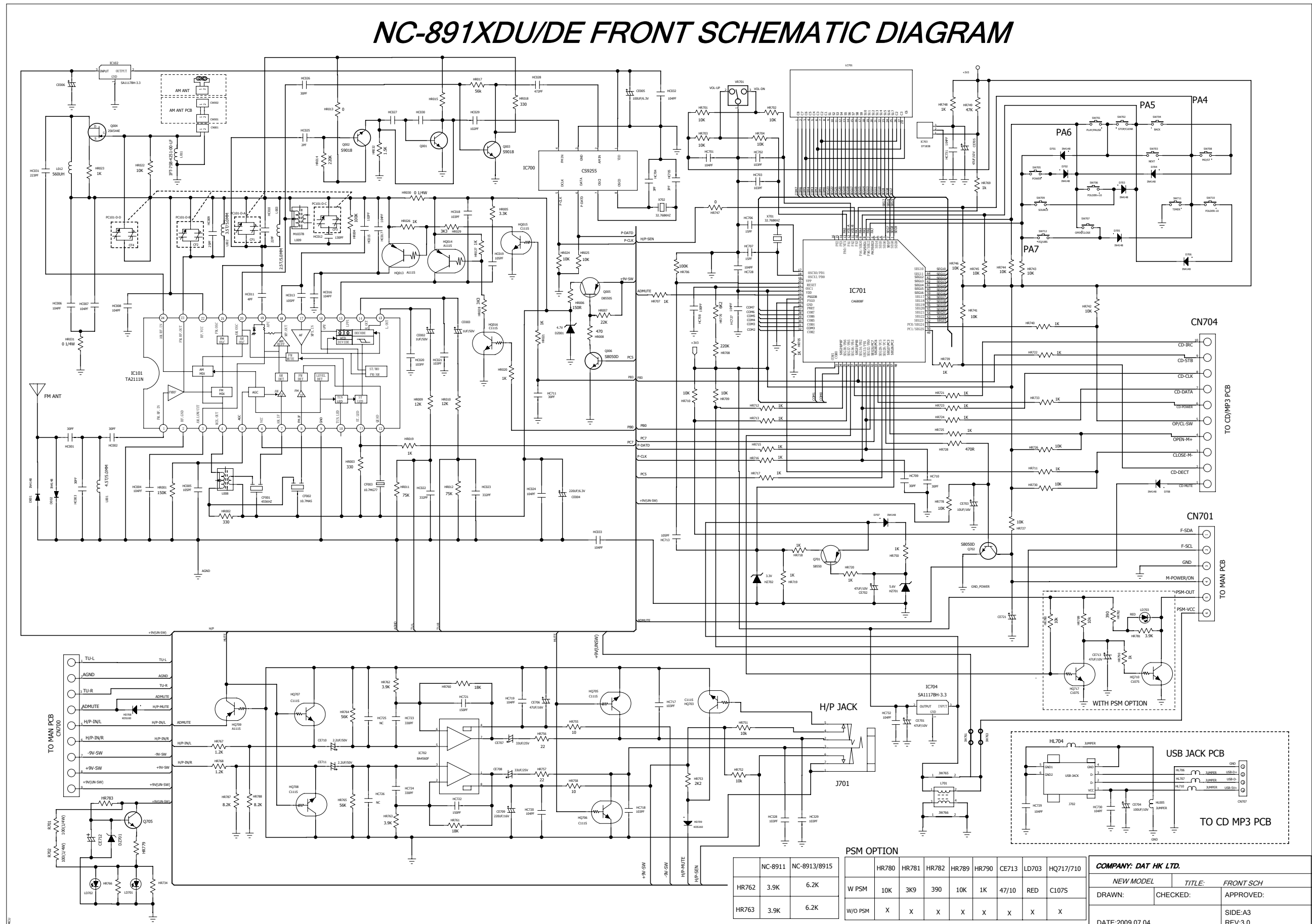
|                       |        |                       |               |          |
|-----------------------|--------|-----------------------|---------------|----------|
| COMPANY: DAT H.K LTD. |        |                       |               |          |
| MODEL: NC-891XDU/DE   |        | TITLE: WIRING DIAGRAM |               |          |
| APPROVE:              | CHECK: | DRAWN:                | UNIT:         | REV: 2.0 |
| DATE:                 | DATE:  | DATE: 2009.07.02      | SCALE:        | SIZE: A4 |
| FILE NO:              |        |                       | SHEET: 1 OF 1 |          |

Block Diagram



## ● FRONT Section

### NC-891XDU/DE FRONT SCHEMATIC DIAGRAM



|       |         |              |
|-------|---------|--------------|
|       | NC-8911 | NC-8913/8915 |
| HR762 | 3.9K    | 6.2K         |
| HR763 | 3.9K    | 6.2K         |

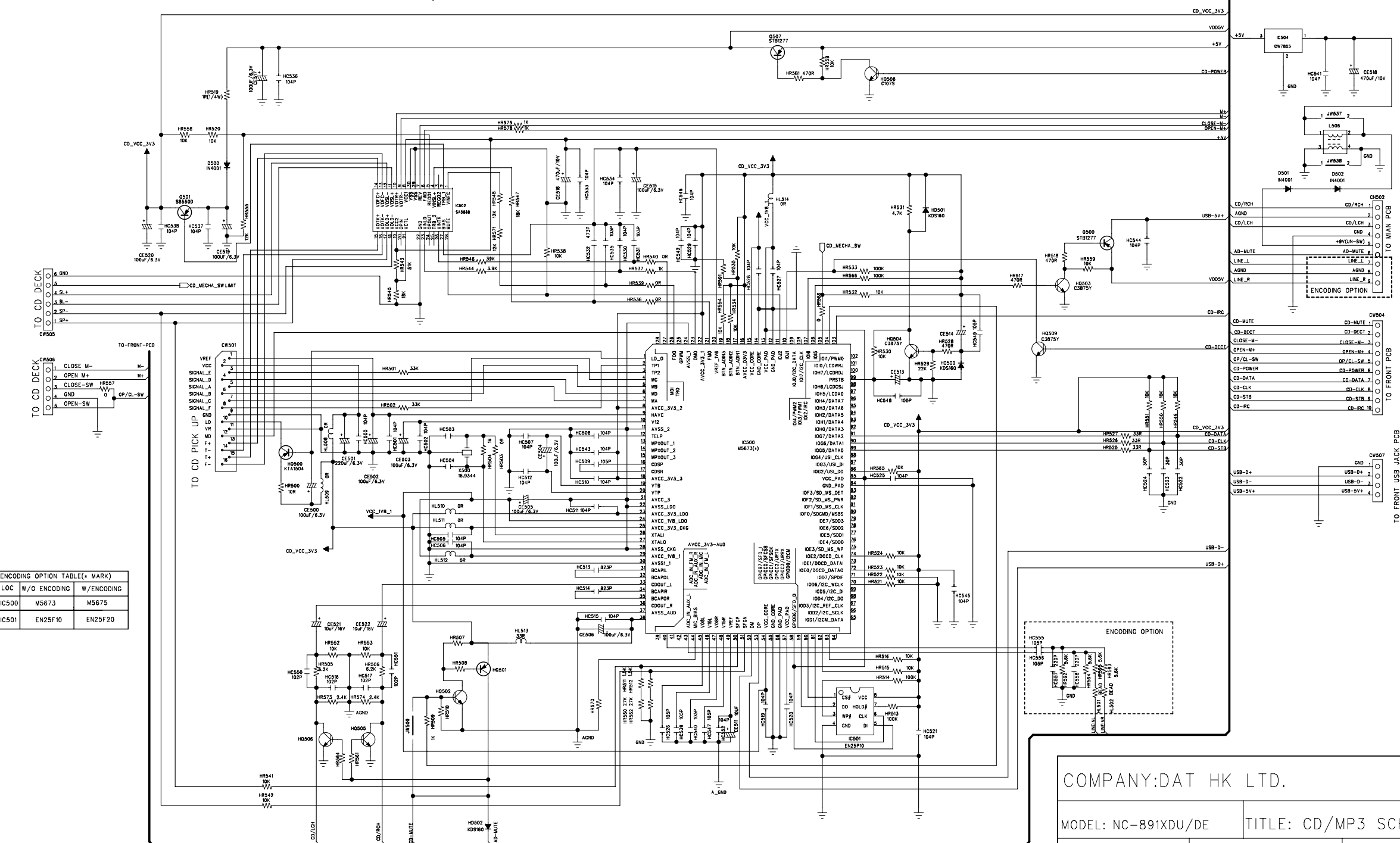
|         |       |       |       |       |       |       |       |           |
|---------|-------|-------|-------|-------|-------|-------|-------|-----------|
|         | HR780 | HR781 | HR782 | HR789 | HR790 | CE713 | LD703 | HQ717/710 |
| W PSM   | 10K   | 3K9   | 390   | 10K   | 1K    | 47/10 | RED   | C107S     |
| W/O PSM | X     | X     | X     | X     | X     | X     | X     | X         |

|                      |          |                      |
|----------------------|----------|----------------------|
| COMPANY: DAT HK LTD. |          |                      |
| NEW MODEL            | TITLE:   | FRONT SCH            |
| DRAWN:               | CHECKED: | APPROVED:            |
| DATE: 2009.07.04     |          | SIDE: A3<br>REV: 3.0 |

Schematic Diagram

● MP3 / CD Section

NC-891XDU/DE MP3CD SCHEMATIC DIAGRAM



| ENCODING OPTION TABLE(* MARK) |              |            |
|-------------------------------|--------------|------------|
| LOC                           | W/O ENCODING | W/ENCODING |
| IC500                         | M5673        | M5675      |
| IC501                         | EN25F10      | EN25F20    |

COMPANY:DAT HK LTD.

MODEL: NC-891XDU/DE TITLE: CD/MP3 SCH.

DRAWN: CHECKED: APPROVED:

DATE:2009.07.04 SIDE:A3  
REV:3.0

NC-891X CD SCH\_MP 090630.sch-1 - Sat Jul 04 16:02:32 2009

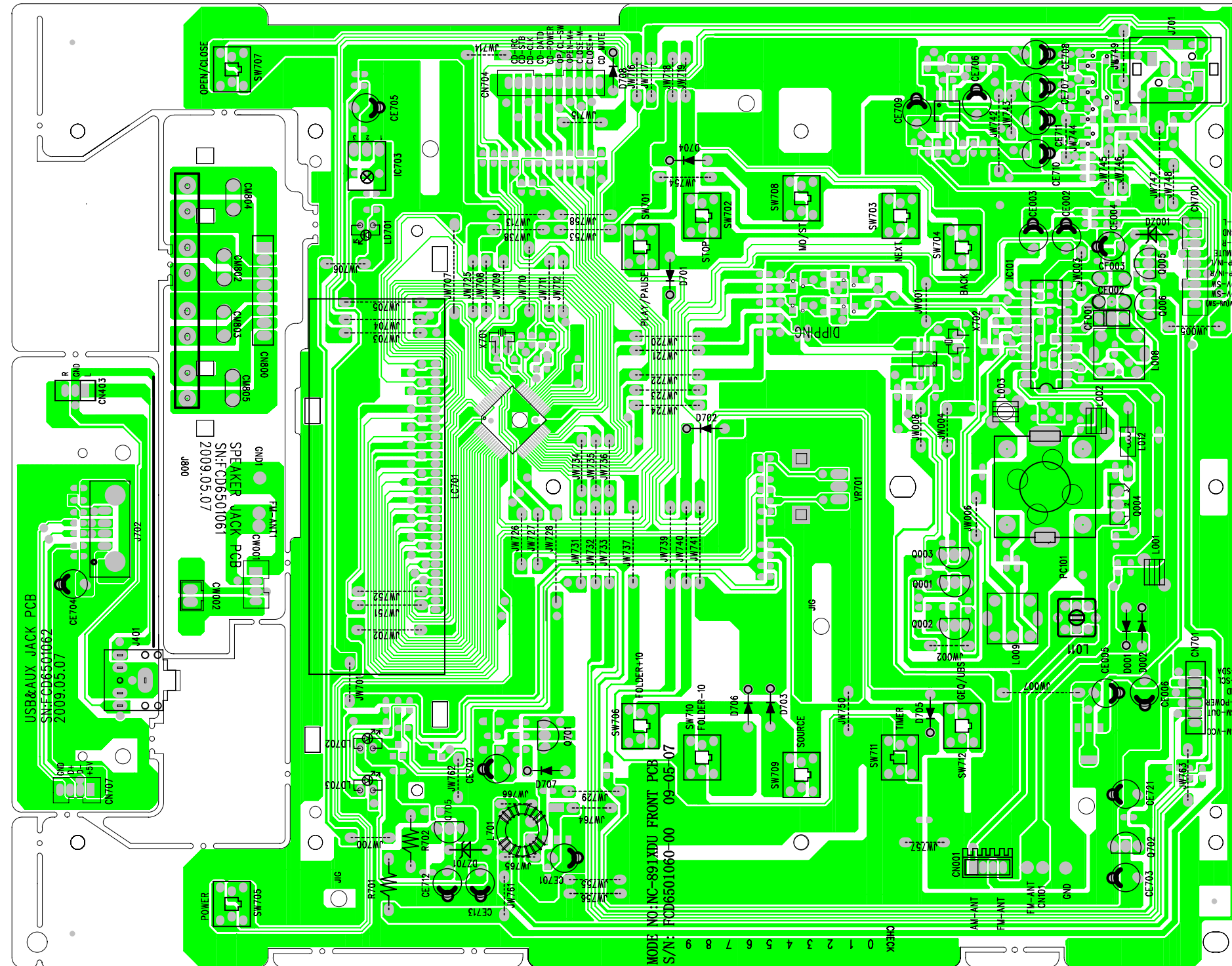
## ● MAIN Section





- **FRONT Section**

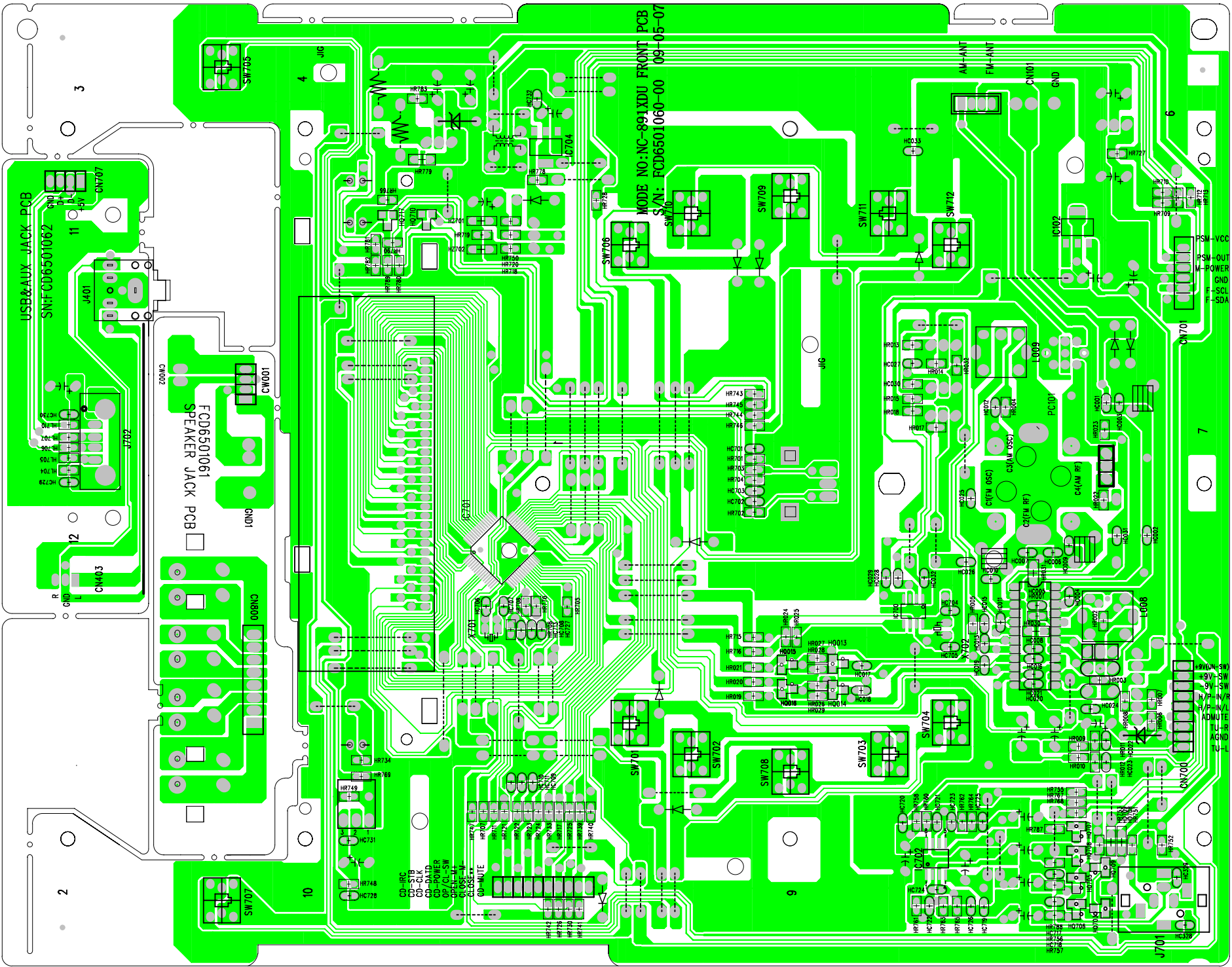
**<Top View>**



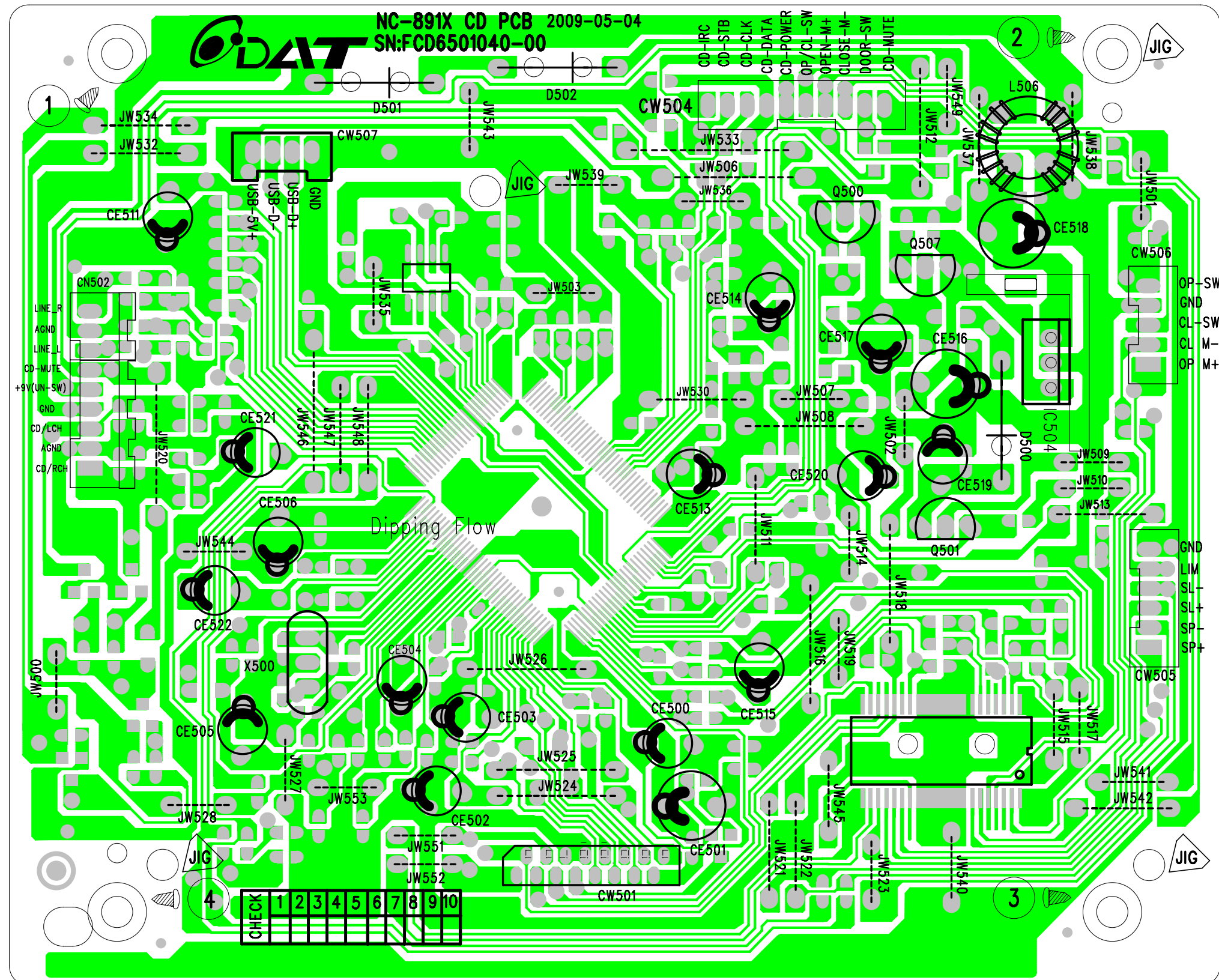
P.C.B Pattern Layout

● FRONT Section

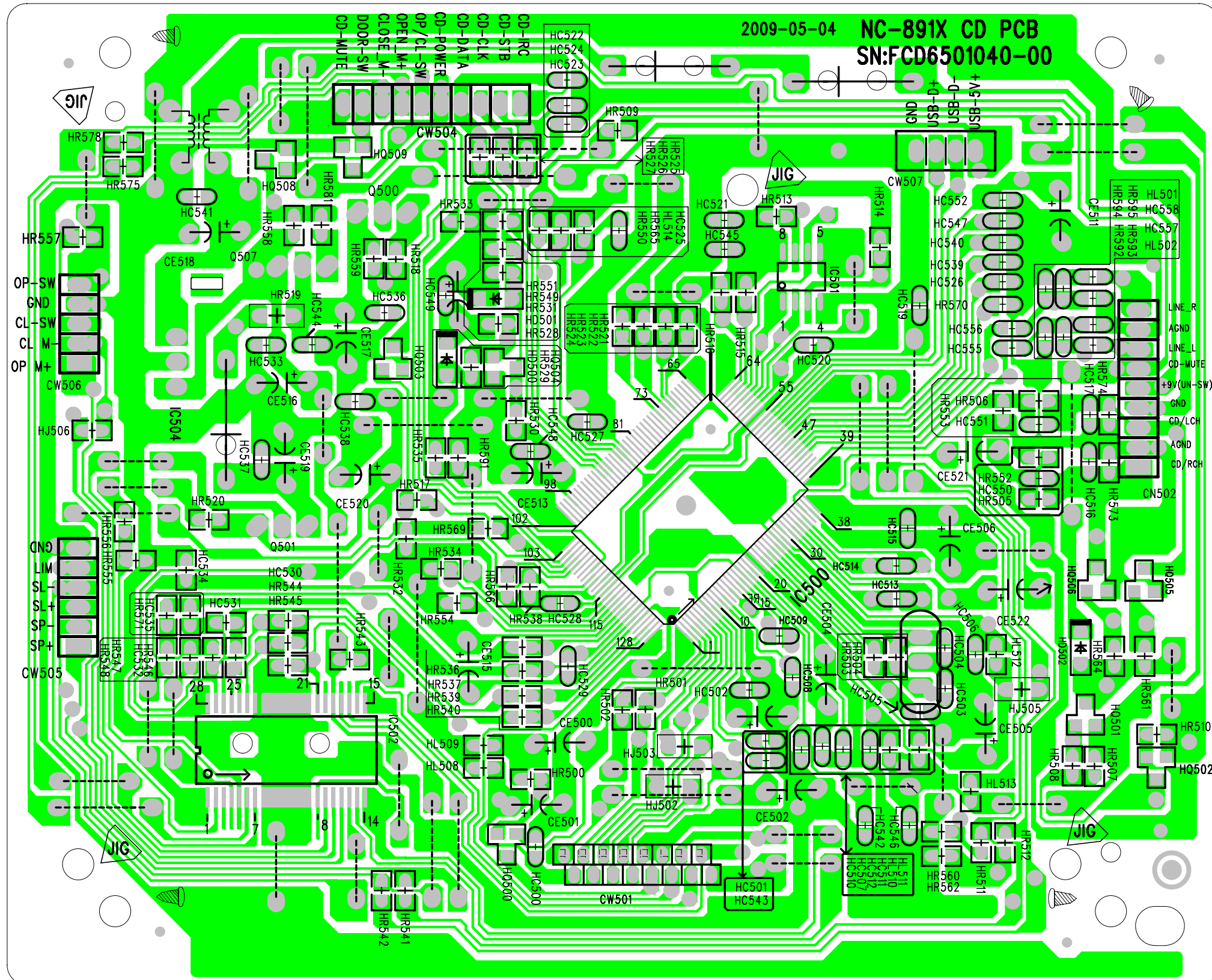
<Bottom View>



**<Top View>**

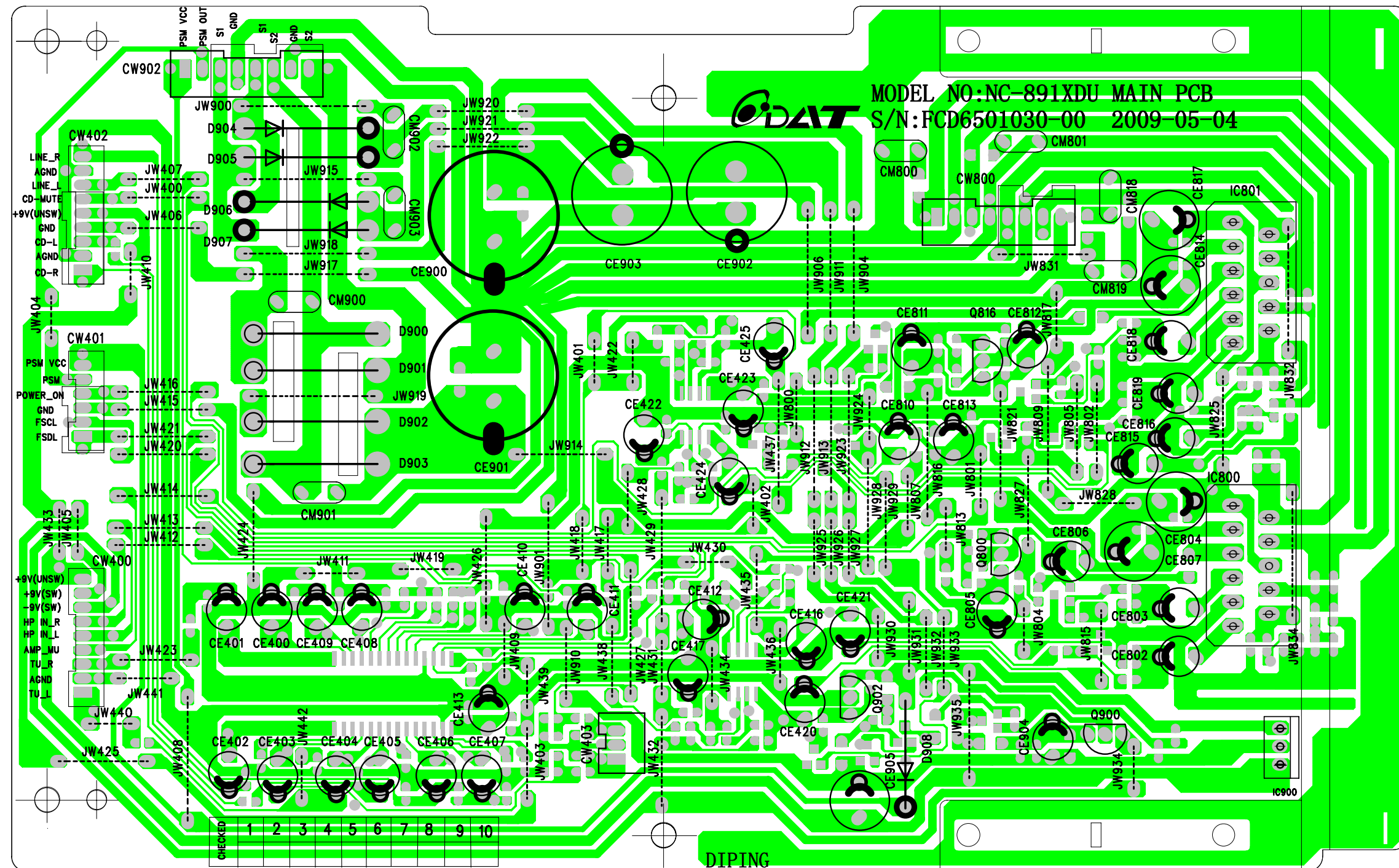


### <Bottom View>



- **MAIN Section**

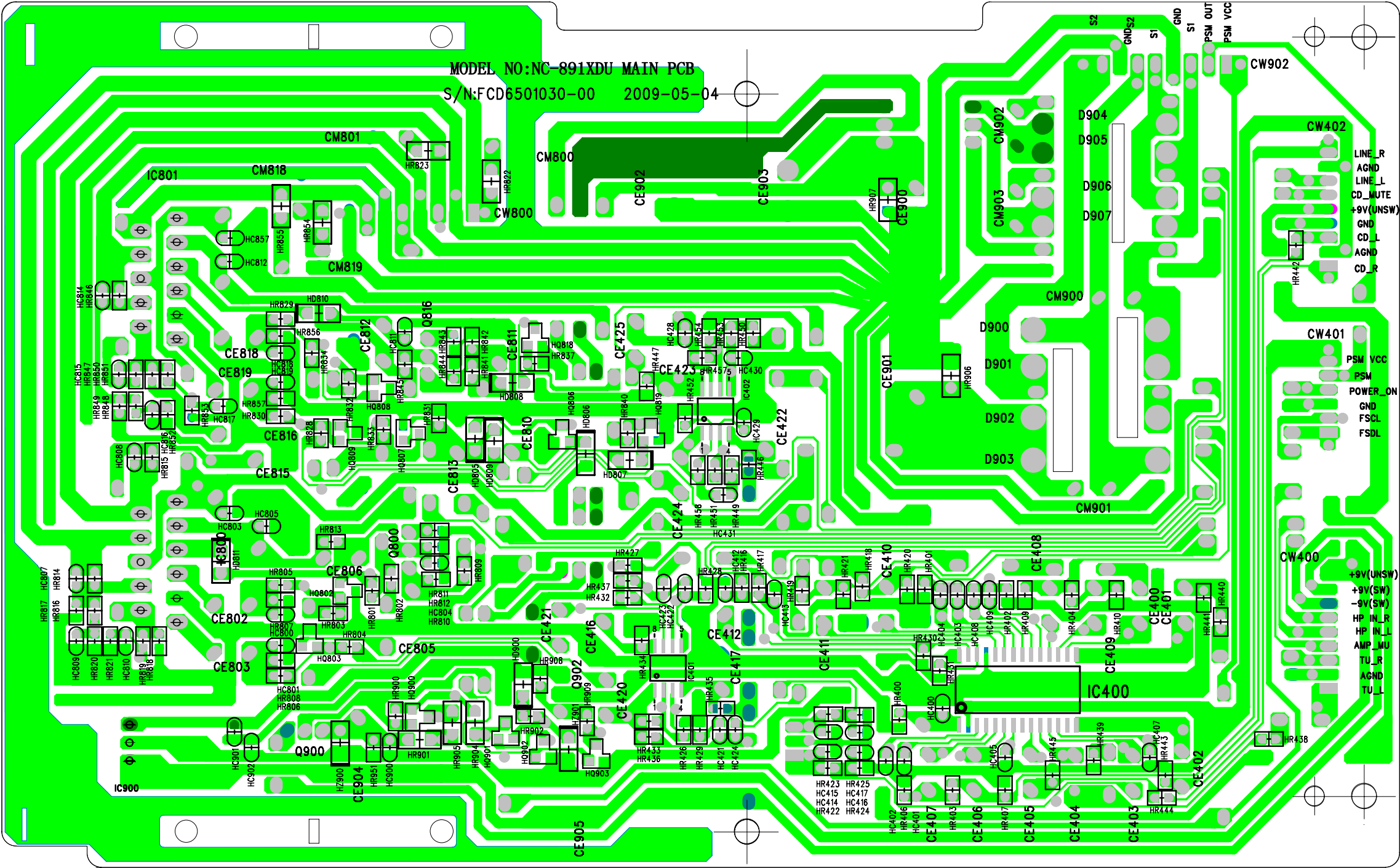
**<Top View>**



P.C.B Pattern Layout

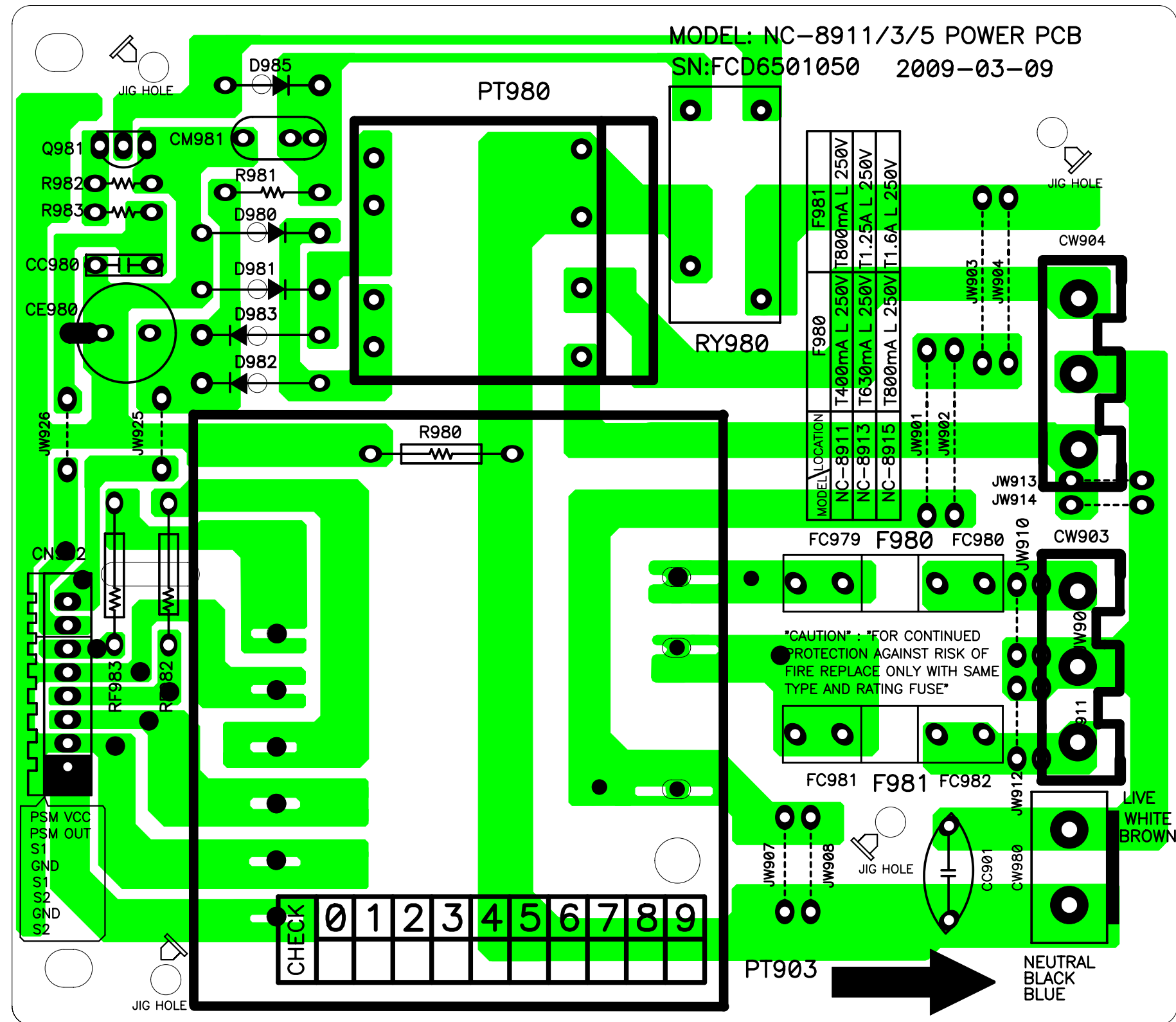
● MAIN Section

<Bottom View>



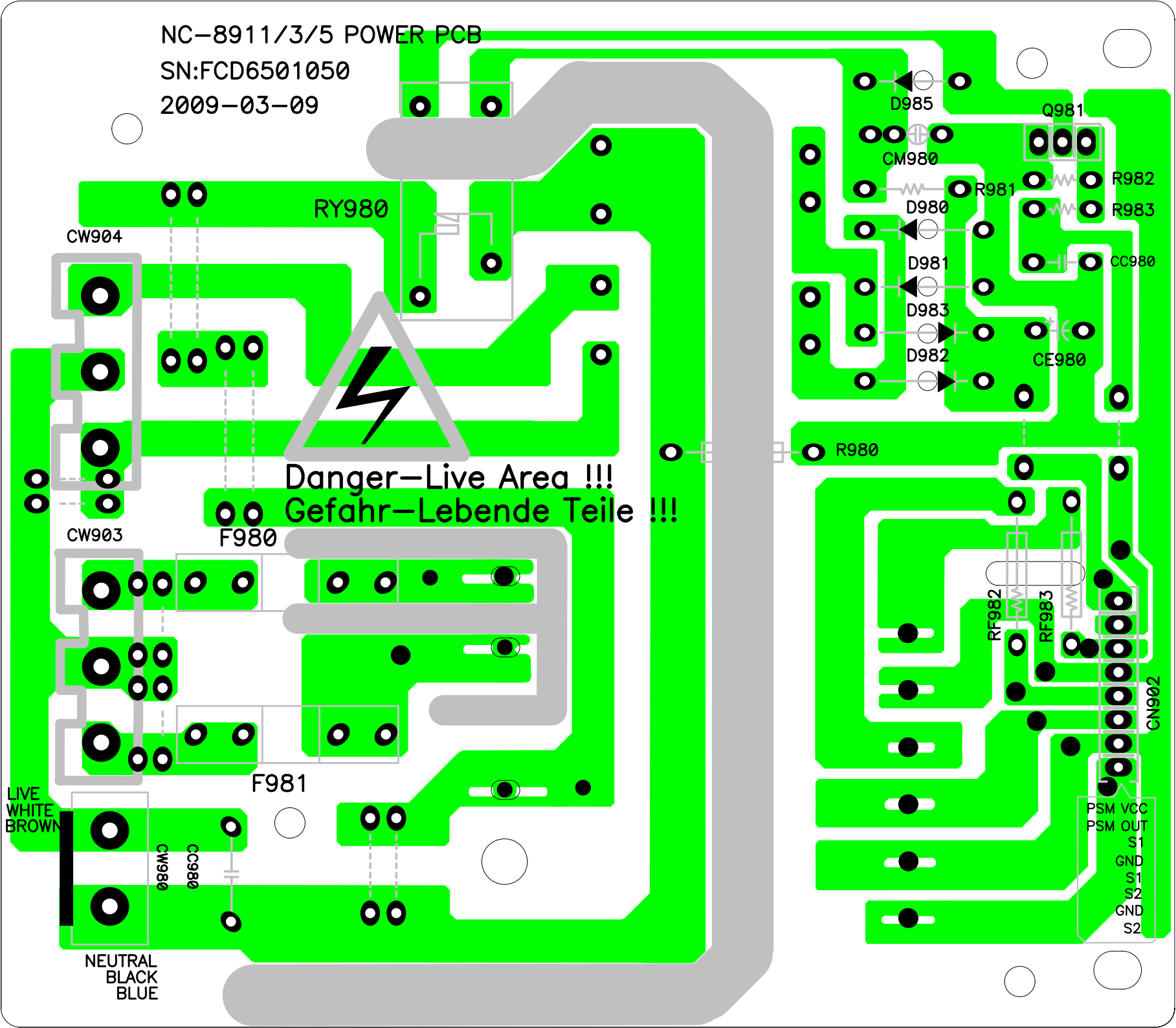
- **POWER Section**

**<Top View>**



● POWER Section

<Bottom View>



# APPENDIX - ELECTRICAL PART LIST

## NC-8911/NC-8913/NC-8915DU,NC-8911/NC-8913/NC-8915DE SVC BOM

| ◆◆◆◆◆PCB MAIN ASS'Y◆◆◆◆◆ |            |                    |                                         |                                 |
|--------------------------|------------|--------------------|-----------------------------------------|---------------------------------|
| Location                 | Part Code  | Part Name          | Description                             | Remark                          |
| D900、D901、D902、D903      | DIN5402--- | DIODE              | IN5402                                  | Only NC-8913DU/DE, NC-8915DU/DE |
| D900、D901、D902、D903      | DRL202---- | DIODE              | RL202                                   | Only NC-8911DU/DE               |
| D904、D905、D906、D907      | DRL202---- | DIODE              | RL202                                   |                                 |
| HZ900                    | DMTZ10B--- | DIODE ZENER CHIP   | UDZ10B 17X12                            |                                 |
| HQ802、HQ803、HQ808、HQ809  | TZTD1304-- | TR CHIP            | KTD1304                                 |                                 |
| HQ806、HQ807、HQ818        | TZRA107S-- | TR CHIP            | KRA107S                                 |                                 |
| HQ819、HQ902、HQ903        | TZRC107S-- | TR CHIP            | KRC107S                                 |                                 |
| HQ900                    | TZTC3875S- | TR CHIP            | KTC3875Y                                |                                 |
| HQ901                    | TZRA111S-- | TR CHIP            | KRA111S                                 |                                 |
| IC400                    | 1SC7314S-- | IC AUDIO PROCESSOR | SC7314S                                 |                                 |
| IC401                    | 1NJM4558M- | IC                 | NJM4558M                                | Only NC-8913DU/DE, NC-8915DU/DE |
| IC402                    | 1NJM4558M- | IC                 | NJM4558M                                | Only NC-8913DU/DE, NC-8915DU/DE |
| IC800                    | 1TDA7292-- | IC                 | TDA7292                                 | Only NC-8913DU/DE, NC-8915DU/DE |
| IC801                    | 1TDA7292-- | IC                 | TDA7292                                 | Only NC-8913DU/DE, NC-8915DU/DE |
| IC801                    | 1CD7269ACZ | IC                 | CD7269ACZ                               | Only NC-8911DU/DE               |
| IC900                    | 1CW7809--- | IC                 | CW7809                                  |                                 |
| Q800                     | TZTC3198Y- | TR                 | KTC3198Y (2SC5343) AUTO                 | Only NC-8913DU/DE,NC-8915DU/DE  |
| Q816                     | TZTC3198Y- | TR                 | KTC3198Y (2SC5343) AUTO                 |                                 |
| Q900                     | TZTA1273Y- | TR                 | KTA1273Y (A966Y) (KSA928A-Y) (STB1277Y) |                                 |
| Q902                     | TZTA1274Y- | TR                 | KTA1274Y                                |                                 |

| ◆◆◆◆◆PCB FRONT ASS'Y◆◆◆◆◆ |               |                  |                             |        |
|---------------------------|---------------|------------------|-----------------------------|--------|
| Location                  | Part Code     | Part Name        | Description                 | Remark |
| LC701                     | DH93390501    | LCD              | H93390501PMN                |        |
| HQ013、HQ014、HQ709         | TZRA111S--    | TR CHIP          | KRA111S                     |        |
| HQ015、HQ016、HQ703、HQ705   |               |                  |                             |        |
| HQ706、HQ707、HQ708         | TZRC111S--    | TR CHIP          | KRC111S                     |        |
| IC101                     | 1TA2111N--    | IC               | TA2111N                     |        |
| IC102                     | 1SA1117S33    | IC REGULATOR     | SA1117BH-3.3(SOT-223-3L)    |        |
| IC700                     | 1CS9255---    | IC               | CS9255                      |        |
| IC701                     | 1CA6808F--    | IC MICOM         | CA6808F                     |        |
| IC702                     | 1IL4560D--    | IC H/P AMP       | IL4560D(SOIC)               |        |
| IC703                     | 1SIR8330L9    | IC RMC           | SIR8330L9M2B4               |        |
| IC704                     | 1SA1117S33    | IC REGULATOR     | SA1117BH-3.3(SOT-223-3L)    |        |
| J701                      | F736300013    | JACK H/P         | TC38-933-01                 |        |
| LD701、LD702               | DBZ-BZ52V1G   | LED BACKLIGHT    | BZ-BZ52V1-M36-TBS18A        |        |
| SW701、SW702、SW703、SW704   |               |                  |                             |        |
| SW705、SW706、SW707、SW708   |               |                  |                             |        |
| SW709、SW710、SW711、SW712   | 5S50101Z67A-2 | SW TACT          | THVV502GAA                  |        |
| CF001                     | SFU455B---    | FILTER CERA      | SFU455B                     |        |
| CF002                     | 5PLT107MA5    | FILTER CERA      | LT10.7MA5(SZ)               |        |
| CF003                     | FP107MG77-    | FILTER CERA      | JT107MG77                   |        |
| DZ001                     | DZTZ4R7B--    | DIODE ZENER      | UZ-4.7B 52MM TAPPING        |        |
| HZ701                     | DMTZ5R6B--    | DIODE ZENER CHIP | UDZ5.6B 17X12               |        |
| HZ702                     | DMTZ3R3B--    | DIODE ZENER CHIP | UDZ3.3B 17X12               |        |
| R701                      | RD-4Z101J-    | R CARBON FILM    | 1/4 100 OHM J               |        |
| R702                      | RD-4Z560J-    | R CARBON FILM    | 1/4 56 OHM J                |        |
| L001                      | FLA139K005    | COIL FM ANT      | 5mm X 0.8mm X 4.5T(1.3uH)   |        |
| L002                      | FLR119K001    | COIL FM RF       | 5mm X 0.8mm X 3.5T(1.1uH)   |        |
| L003                      | FLO838K002    | COIL FM OSC      | 5mm X 0.8mm X 2.5T(0.83uH)  |        |
| L008                      | F110AYW001    | IFT AM           | TF10-19                     |        |
| L009                      | FLO361K003    | COIL AM OSC      | ML10-37B                    |        |
| L011                      | FLA361K012    | COIL AM ANT      | IFT-7SB-4251-00-LF          |        |
| L012                      | FCPZ561K01    | COIL PEAKING     | AL0305-561K-LF              |        |
| L701                      | FLC260K006    | COIL CHOKE       | NTC10*5*5-260M              |        |
| PC101                     | FC134P001D    | PVC              | TU-CAP 20-126P 20X20A       |        |
| Q002、Q003                 | TZS9018H--    | TR               | S9018H(TO-92)               |        |
| Q004                      | TZSK544E--    | TR               | 2SK544E-AC                  |        |
| Q005、Q701                 | TZS8550Y--    | TR               | S8550                       |        |
| Q006、Q702                 | TZTC8050-D    | TR               | KTC8050-D                   |        |
| VR701                     | FSH3024A06    | SW ENCODER       | REO123PVB30F INBI-2-24PCE/D |        |
| X701、X702                 | 5XA32R768CCQ  | X-TAL            | SF-32.768-JU3820            |        |

| ◆◆◆◆◆PCB SPEAKER JACK ASS'Y◆◆◆◆◆ |               |              |                      |                                 |
|----------------------------------|---------------|--------------|----------------------|---------------------------------|
| Location                         | Part Code     | Part Name    | Description          | Remark                          |
| J800                             | F736900016    | JACK SPEAKER | WP-813-030           | Only NC-8913DU/DE, NC-8915DU/DE |
| J800                             | 9736320500-03 | JACK SPEAKER | CJ-9007-040          | Only NC-8911DU/DE               |
| ◆◆◆◆◆PCB USB&AUX ASS'Y◆◆◆◆◆      |               |              |                      |                                 |
| Location                         | Part Code     | Part Name    | Description          | Remark                          |
| J401                             | F736300011    | JACK H/P     | EJ-3511              |                                 |
| J702                             | 9736330600    | JACK USB     | USB-103 (ANGLE TYPE) |                                 |

# APPENDIX - ELECTRICAL PART LIST

## ◆◆◆◆◆PCB MP3CD ASS'Y◆◆◆◆◆

| Location          | Part Code  | Part Name       | Description                             | Remark                 |
|-------------------|------------|-----------------|-----------------------------------------|------------------------|
| D500、D501、D502    | DIN4001--- | DIODE           | IN4001                                  |                        |
| HQ500             | TZTA1504S- | TR CHIP         | KTA1504S                                |                        |
| HQ508             | TZRC107S-- | TR CHIP         | KRC107S                                 |                        |
| HQ503、HQ504、HQ509 | TZTC3875S- | TR CHIP         | KTC3875Y                                |                        |
| IC500             | 1M5673---- | IC              | M5673                                   | WITHOUT ENCODING MODEL |
| IC500             | 1M5675---- | IC              | M5675                                   | WITH ENCODING MODEL    |
| IC501             | 1EN25F10-- | IC FLASH        | EN25F10                                 | WITHOUT ENCODING MODEL |
| IC501             | 1EN25F20-- | IC FLASH        | EN25F20                                 | WITH ENCODING MODEL    |
| IC502             | 1SA5888--- | IC MOTOR DRIVER | SA5888                                  |                        |
| IC504             | 1CW7805--- | IC              | CW7805                                  |                        |
| Q500、Q507         | TZTA1273Y- | TR              | KTA1273Y (A966Y) (KSA928A-Y) (STB1277Y) |                        |
| X501              | TZS8550Y-- | TR              | S8550                                   |                        |
| X500              | 5PQZTT1693 | RESONATOR CERA  | QTTT16.93MMX(3PIN)                      |                        |

## ◆◆◆◆◆PCB POWER ASS'Y◆◆◆◆◆

| Location                 | Part Code     | Part Name        | Description                   | Remark               |
|--------------------------|---------------|------------------|-------------------------------|----------------------|
| CC901                    | CLYL2G472M    | C LINE ACROSS    | DE1307E 472M VA1-KC (FORMING) |                      |
| FC979                    | 9734600800    | HOLDER FUSE CLIP | PI5.2 - REEL                  |                      |
| FC980                    | 9734600800    | HOLDER FUSE CLIP | PI5.2 - REEL                  |                      |
| FC981                    | 9734600800    | HOLDER FUSE CLIP | PI5.2 - REEL                  |                      |
| FC982                    | 9734600800    | HOLDER FUSE CLIP | PI5.2 - REEL                  |                      |
| F980                     | 5FSGB4012L    | FUSE GLASS TUBE  | VDE TL 400MA 250V MF51        | NC-8911XDU/DE (230V) |
| F980                     | 5FSGB6312L    | FUSE GLASS TUBE  | VDE MF51 630MA 250V TL        | NC-8913XDU/DE (230V) |
| F980                     | 5FSGB8012L    | FUSE GLASS TUBE  | VDE TL 800MA 250V MF51        | NC-8915XDU/DE (230V) |
| F981                     | 5FSGB8012L    | FUSE GLASS TUBE  | VDE TL 800MA 250V MF51        | NC-8911XDU/DE (127V) |
| F981                     | 5F1GB1222L    | FUSE GLASS TUBE  | UL/CSA TL 1.25A 250V MF51     | NC-8913XDU/DE (127V) |
| F981                     | 5F1GB1622L    | FUSE GLASS TUBE  | UL/CSA TL 1.6A 250V MF51      | NC-8915XDU/DE (127V) |
| PT903                    | 5TP0066F78    | TRANS POWER      | EI=66X30 127V/230V 60/50Hz    | NC-8911XDU/DE        |
| PT903                    | 5TP0066F82    | TRANS POWER      | EI=66X35 127V/230V 60/50Hz    | NC-8913XDU/DE        |
| PT903                    | 5TP0066F84    | TRANS POWER      | EI=66X45 127V/230V 60/50Hz    | NC-8915XDU/DE        |
| PT980                    | 5TP8028985    | TRANS POWER      | EI=28X12 230V/50HZ            | Only PSM MODEL USED  |
| D980、D981、D982、D983、D985 | DIN4001---    | DIODE            | IN4001                        | Only PSM MODEL USED  |
| Q981                     | TZTC3205Y-    | TR               | KTC3205Y (KTC2236Y) AUTO      | Only PSM MODEL USED  |
| R981                     | RD-4Z100J-    | R CARBON FILM    | 1/4 10 OHM J                  | Only PSM MODEL USED  |
| R982                     | RD-AZ103J-    | R CARBON FILM    | 1/6 10K OHM J                 | Only PSM MODEL USED  |
| R983                     | RD-AZ103J-    | R CARBON FILM    | 1/6 10K OHM J                 | Only PSM MODEL USED  |
| RY980                    | 5SC2001A01    | SW RELAY         | SDT-S-105LMR                  | Only PSM MODEL USED  |
| R980                     | RN-2Y475J-    | R METAL FILM     | 1/2 4.7M OHM J                |                      |
| RF982、RF983              | RF01F4780J-32 | R FUSIBLE        | 1W 0.47 OHM J (32倍)           |                      |
| SW901                    | 5S30102377-1  | SW VOLTAGE SELE  | ZH-06-01                      | OPTION               |

\* END OF REPORT \*