

STR-DE425

SERVICE MANUAL

US Model
 Canadian Model
 AEP Model
 UK Model
 E Model
 Australian Model
 Chinese Model



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SPECIFICATIONS

Amplifier section

Power output

| | |
|----------------------|--|
| Stereo mode | (DIN 1 kHz, 4 ohms) 90 W + 90 W |
| Surround mode | (DIN 1 kHz, 4 ohms) Front: 90W/ch Centre: 90W (only in PRO LOG IC MODE) REAR: (DIN 1 kHz, 8ohms) 45 W/ch |
| 5.1/DVD INPUT * mode | Front: 90 W/ch (DIN 1 kHz, 4 ohms) Centre: 90 W (DIN 1 kHz, 4 ohms) Rear: 45 W/ch (DIN 1 kHz, 8 ohms) |
| Frequency response | PHONO: RIAA equalization curve ± 0.5 dB TV / LD, CD, TAPE / MD, VIDEO, 5.1/DVD INPUT: 10Hz - 50kHz ± 1 dB |

Input

| | Sensitivity | Impedance | S/N (Weighting network, input level) |
|-----------------------|-------------|------------|---|
| PHONO (MM) | 2.5mV | 50 kilohms | 74 dB 72 dB** (A, 2.5 mV) |
| CD, 5.1/DVD INPUT* | 200 mV | 50 kilohms | 82 dB 82 dB** (A, 150 mV) |
| TAPE/MD, TV/LD, VIDEO | 150 mV | 50 kilohms | 82 dB** (A, 150 mV) |

**78IHF

Outputs

| | |
|-----------------------|---|
| TAPE/MD REC OUT: | Voltage: 150 mV, Impedance: 10 kilohms |
| VIDEO AUDIO OUT: | Voltage: 150 mV, Impedance: 10 kilohms |
| WOOFER/MIX AUDIO OUT: | Voltage: 2V Impedance: 10 kilohms |
| PHONES: | Accepts low and high impedance headphones |

Muting BASS BOOST TONE

| | |
|-----------|---------------------------------|
| Full mute | +10dB at 70 Hz |
| | ± 8 dB at 100 Hz and 10 kHz |

FM tuner section

| | |
|------------------------------|---|
| Tuning range | 87.5 - 108.0 MHz |
| Aerial terminals | 75 ohms, unbalanced |
| Sensitivity | Mono: 18.3 dBf, 2.2 μ V /75 ohms Stereo: 38.3 dBf, 22.5 μ V /75 ohms |
| Usable sensitivity | 11.2 dBf, 1V /75 ohms (IHF) |
| S/N | Mono: 76 dB Stereo: 70dB |
| Harmonic distortion at 1 kHz | Mono: 0.3 % Stereo: 0.5 % |
| Separation | 45dB at 1 kHz |
| Frequency response | 30 Hz - 15kHz $_{-0.5}^{+0.5}$ dB |
| Selectivity | 60 dB at 400 kHz |

AM tuner section

| | |
|---------------------|----------------------|
| Tuning range | 531 - 1602 kHz |
| Aerial | Loop aerial |
| Usable sensitivity | 50 dB/m (at 999 kHz) |
| S/N | 54 dB(at 50 mV/m) |
| Harmonic distortion | 0.5%(50 mV/m, 400Hz) |
| Selectivity | 35 dB |

Video section

| | |
|--------|--|
| Input | VIDEO 1, 2, TV: 1 Vp-p 75 ohms |
| Output | VIDEO 1, 2, MONITOR: 1 Vp-p 75 ohms |

General

| | |
|--------------------|--|
| System | Tuner section; PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP |
| Power requirements | 230 V AC, 50/60 Hz |
| Power consumption | 230 W |
| AC outlets | Switched 100 W (except for the U.K. model) |

— Continued on next page —

FM STEREO/FM-AM RECEIVER



SONY®

| | |
|----------------------|--|
| Dimensions | 430 × 145 × 295 mm |
| Mass(Approx.) | STR-DE425: 7.9 kg |
| Supplied accessories | FM wire aerial (1) AM loop aerial (1) Remote controller (remote) (1) Size AA (R6) batteries (2) |

Design and specifications are subject to change without notice.
Specifications indicated are measured at 230 VAC, 50 Hz

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

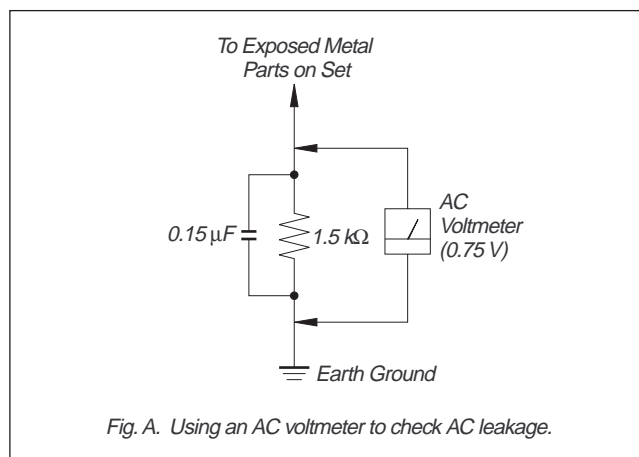


Fig. A. Using an AC voltmeter to check AC leakage.

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.

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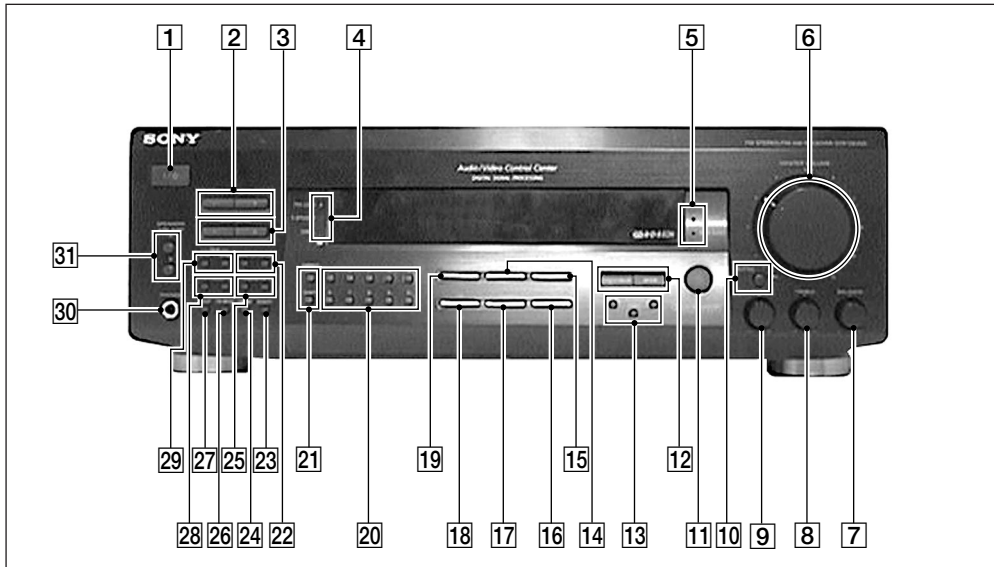
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ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

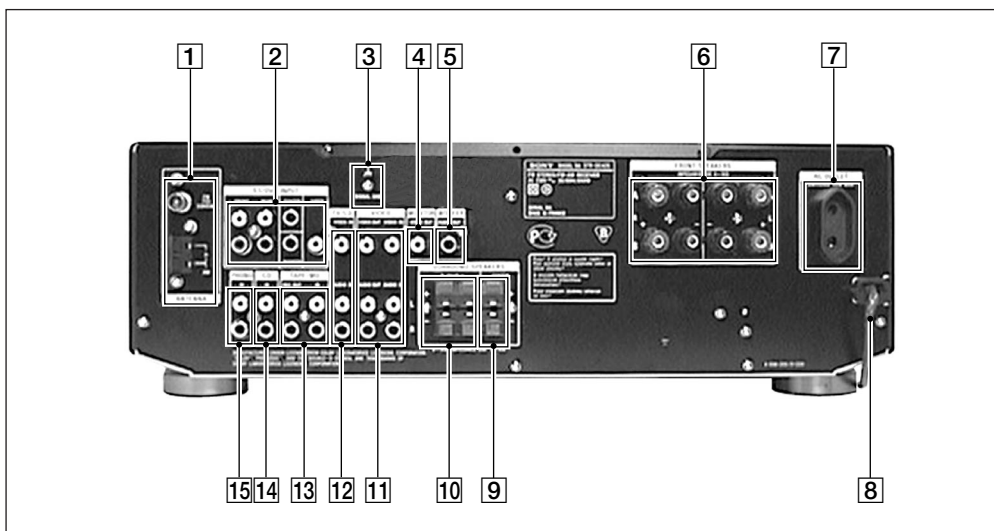
SECTION 1 GENERAL

LOCATION AND FUNCTION OF CONTROLS [FRONT PANEL]



- | | |
|--|-----------------------------------|
| 1 POWER switch (I/⏻) | 17 TUNER button |
| 2 CENTER LEVEL +, – buttons | 18 CD button |
| 3 REAR LEVEL +, – buttons | 19 VIDEO button |
| 4 PRO LOGIC, C.STUDIO, HALL indicators | 20 Numeric buttons |
| 5 5.1/DVD INPUT, BASS BOOST indicators | 21 DIRECT TUNING, SHIFT buttons |
| 6 MASTER VOLUME control | 22 CHARACTER, DISPLAY buttons |
| 7 BALANCE control | 23 MEMORY button |
| 8 TREBLE control | 24 FM/AM button |
| 9 BASS control | 25 PRESET/CHARACTER +, – buttons |
| 10 MUTING button/indicator | 26 FM MODE button |
| 11 SURROUND ON/OFF button | 27 SLEEP button |
| 12 SURROUND EFFECT/DELAY, MODE buttons | 28 TUNING/PTY SELECT +, – buttons |
| 13 SET UP, 5.1/DVD INPUT, BASS BOOST buttons | 29 RDS PTY, EON buttons |
| 14 TV/LD button | 30 PHONES jack |
| 15 TAPE/MD button | 31 SPEAKERS A, B ON/OFF buttons |
| 16 PHONO button | |

[REAR PANEL]



- | | |
|------------------------|------------------------------|
| 1 ANTENNA (FM/AM) | 9 SURROUND SPEAKERS (CENTER) |
| 2 5.1/DVD INPUT | 10 SURROUND SPEAKERS (REAR) |
| 3 \neq SIGNAL GND | 11 VIDEO |
| 4 MONITOR | 12 TV/LD |
| 5 WOOFER | 13 TAPE/MD |
| 6 FRONT SPEAKERS (A/B) | 14 CD |
| 7 AC OUTLET | 15 PHONO |
| 8 AC power cord | |

SECTION 2 TEST MODE

INITIALIZATION MODE

* All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

* Procedure:

While depressing the VIDEO and the TAPE/MD buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message INITIAL appears and initialization is performed.

FLUORESCENT INDICATOR TUBE TEST MODE

* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

* Procedure:

While depressing the TV/LD and the BASS BOOST buttons simultaneously, press the power [I/⏻] button to turn on the main power. All segments turn on at the same time, then each segment turns on one after another. The message FINISH appears when this test is complete.

AUTO-BETICAL CHECK MODE

* To auto-scanning FM board and memorise RDS station. (FM/RDS model only)

* Procedure:

While depressing the MEMORY button, press the power [I/⏻] button to turn on the main power. The message AUTO BET appears and each function is selected one after another.

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step. (US, CND and E model only)

* Procedure:

Set the FUNCTION to AM. Turn off the main power.

While depressing the TUNING+ button, press the power [I/⏻] button to turn on the main power. Either the message 9k STEP or 10k STEP appears. Select the desired step.

REAR SPEAKER GAIN UP MODE

* The rear speaker gain can be set to either NORMAL or GAIN UP.

* Procedure:

While depressing the -SURROUND- MODE button, press the power [I/⏻] button to turn on the main power. Either the message NORMAL or GAIN UP appears. When the product enters this mode again, the other gain appears. Select the desired gain.

SOFTWARE VERSION DISPLAY MODE

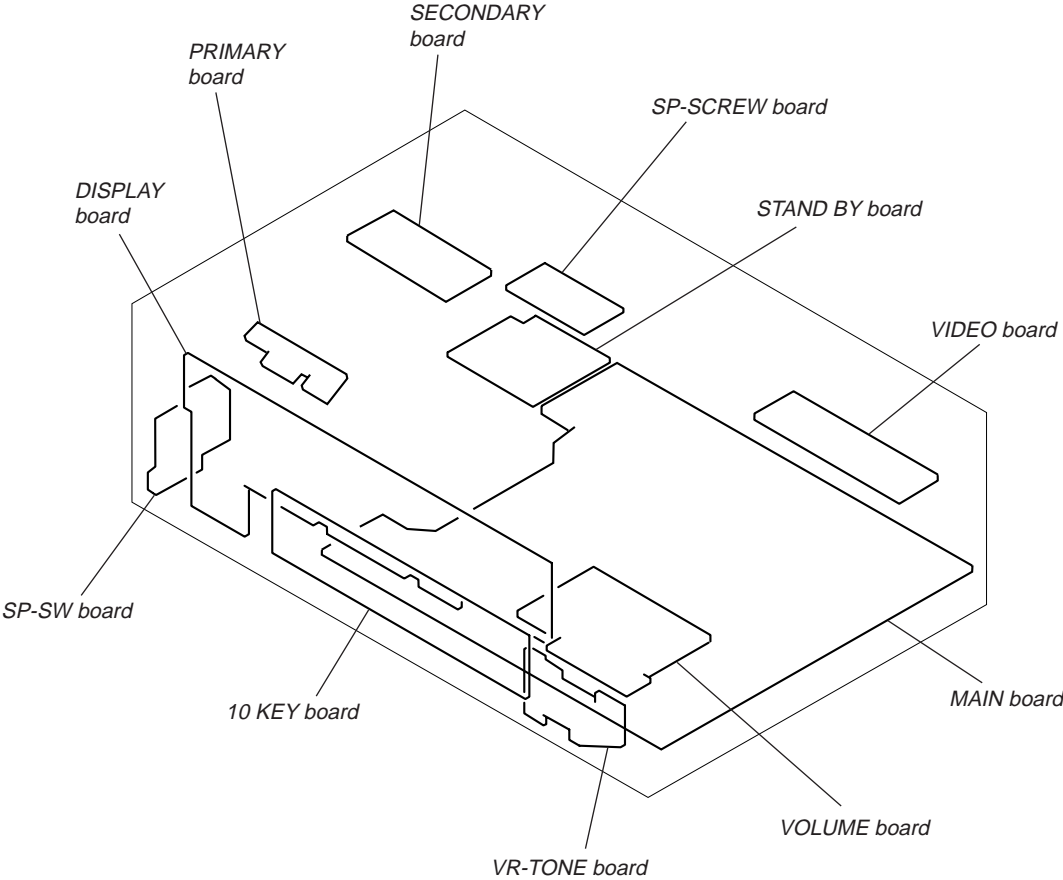
* The software version is displayed.

* Procedure:

While depressing the TUNER and the BASS BOOST buttons simultaneously, press the power [I/⏻] button to turn on the main power. The software version is displayed.

SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION






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





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

For schematic diagrams.

Note:



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

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

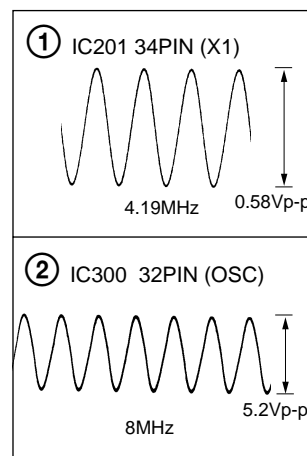
-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
No mark : FM
- Voltages are taken with a VOM (Input impedance 10 $\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 : FM
- Abbreviation
CND : Canadian
EE : East European
AUS : Australian
CH : Chinese
G : German
MY : Malaysia
SP : Singapore

For printed wiring boards.

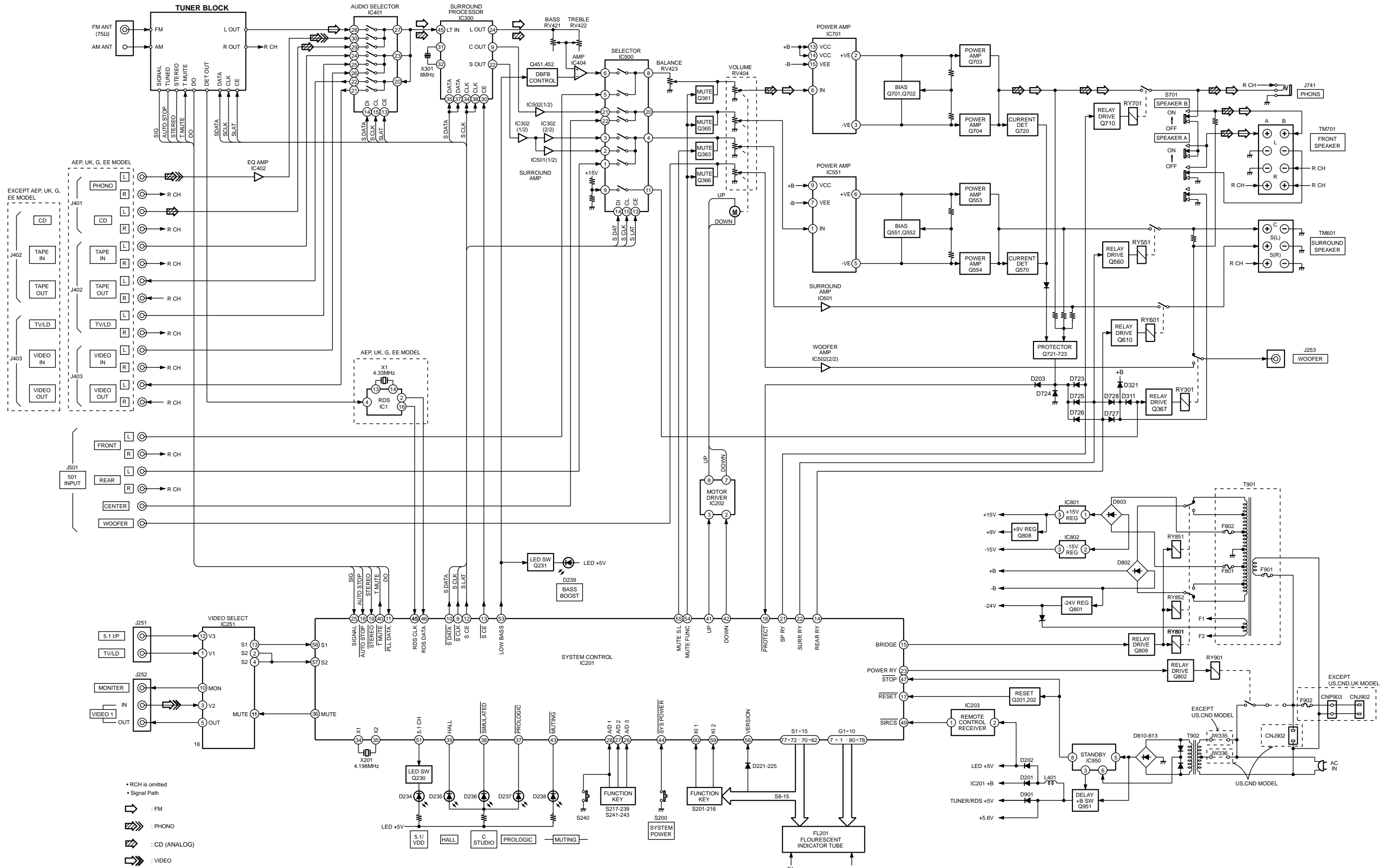
Note:

-  : parts extracted from the component side.
- \circ : Through hole.
- \triangle : internal component.
-  : Pattern from the side which enables seeing.

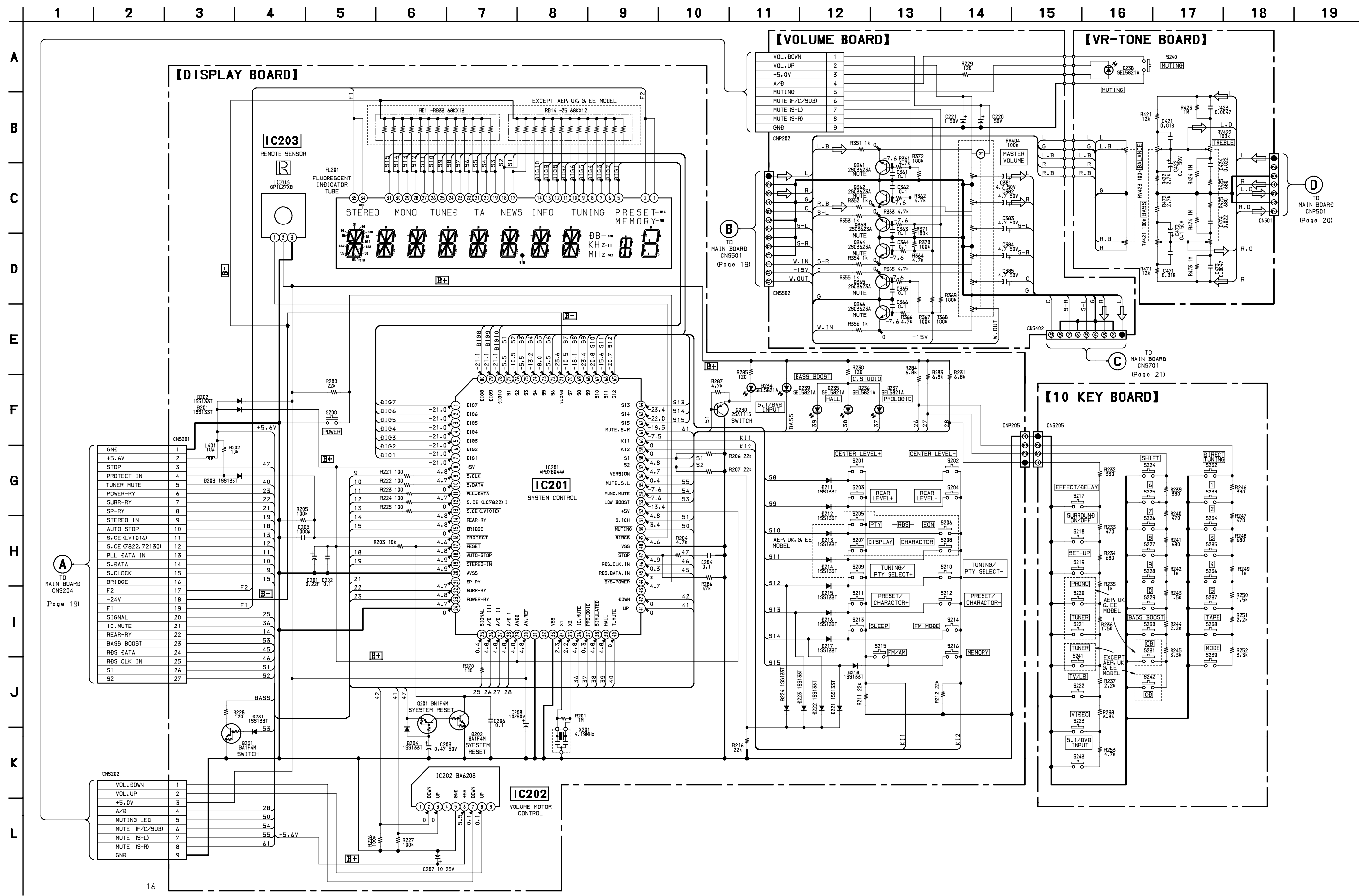
• Waveform



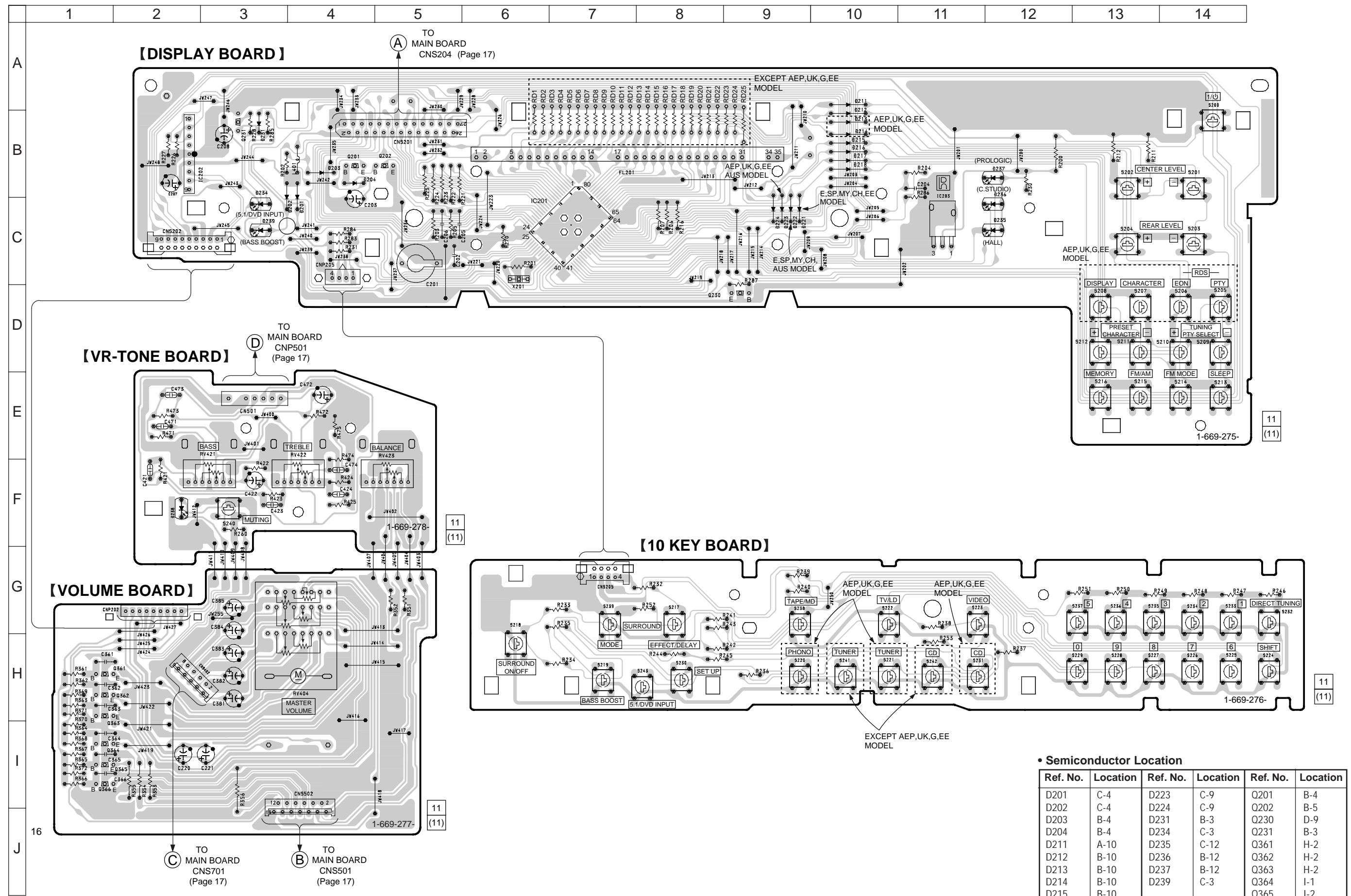
3-2. BLOCK DIAGRAM



3-3. SCHEMATIC DIAGRAM — DISPLAY SECTION —



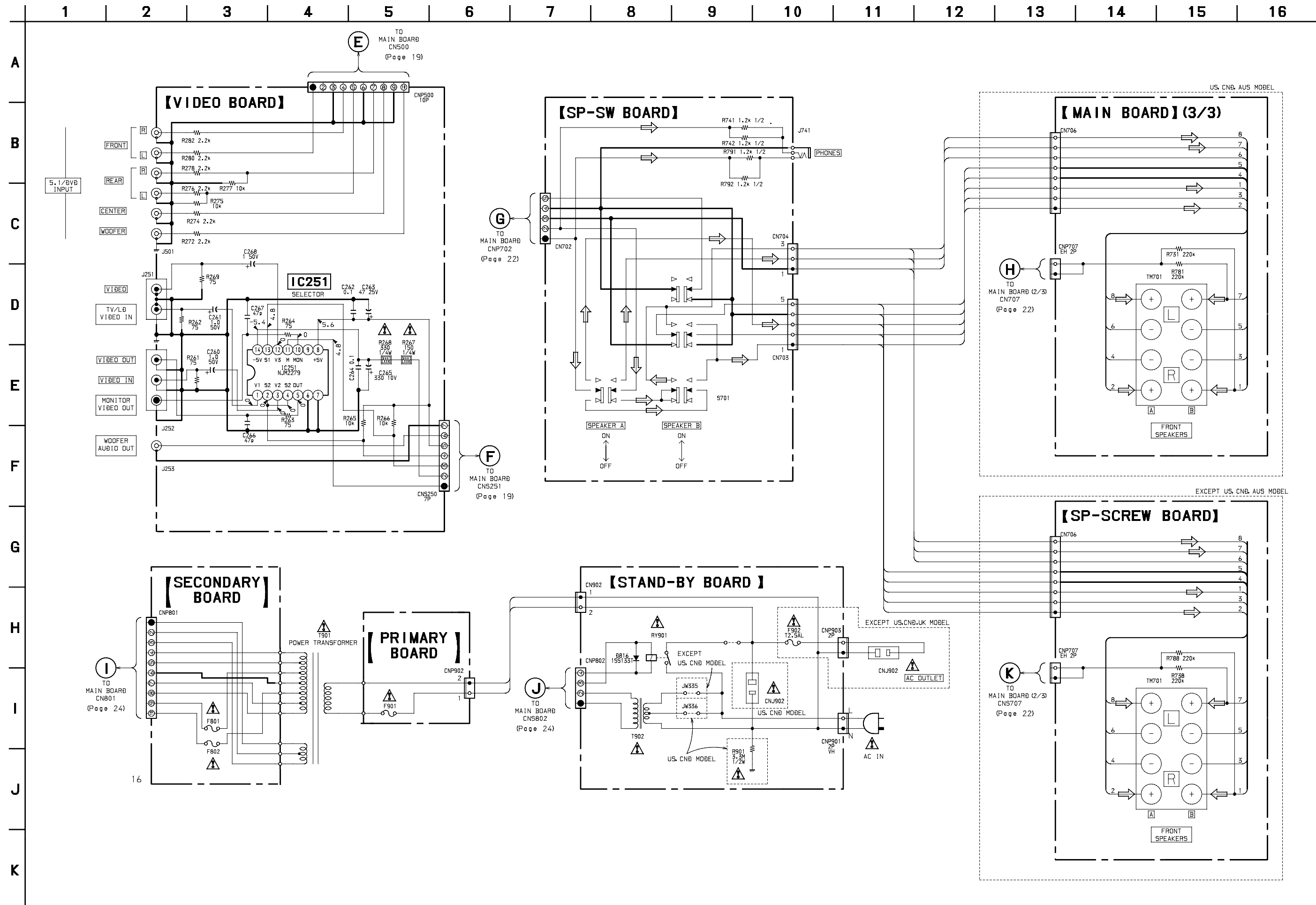
3-4. PRINTED WIRING BOARDS — DISPLAY SECTION —



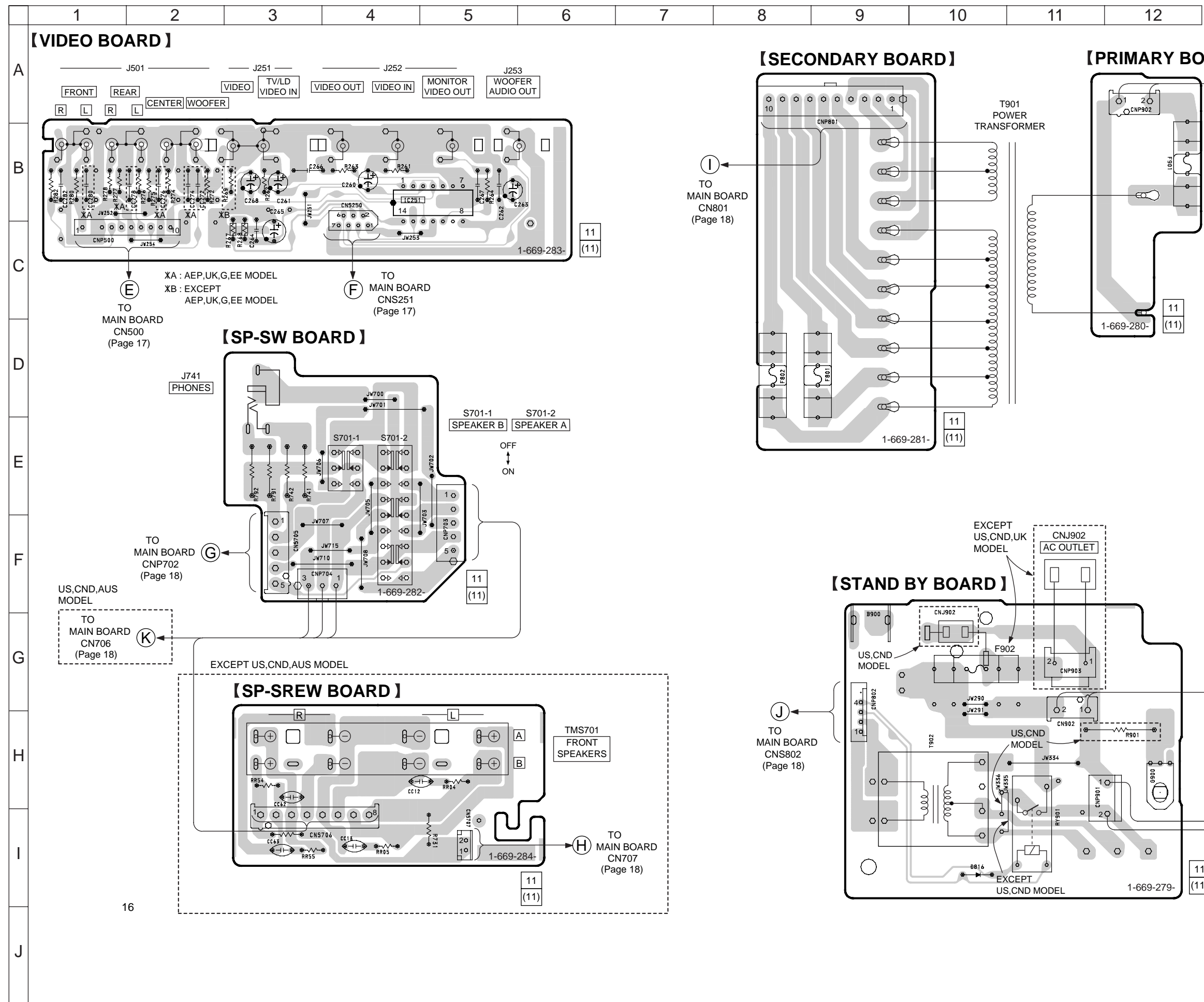
• Semiconductor Location

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|----------|----------|
| D201 | C-4 | D223 | C-9 | Q201 | B-4 |
| D202 | C-4 | D224 | C-9 | Q202 | B-5 |
| D203 | B-4 | D231 | B-3 | Q230 | D-9 |
| D204 | B-4 | D234 | C-3 | Q231 | B-3 |
| D211 | A-10 | D235 | C-12 | Q361 | H-2 |
| D212 | B-10 | D236 | B-12 | Q362 | H-2 |
| D213 | B-10 | D237 | B-12 | Q363 | H-2 |
| D214 | B-10 | D239 | C-3 | Q364 | I-1 |
| D215 | B-10 | | | Q365 | I-2 |
| D216 | B-10 | IC201 | C-7 | Q366 | I-1 |
| D217 | B-10 | IC202 | B-2 | | |
| D218 | B-10 | IC203 | B-11 | | |
| D221 | C-9 | | | | |
| D222 | C-9 | | | | |

3-5. SCHEMATIC DIAGRAM — POWER SECTION —



3-6. PRINTED WIRING BOARDS — POWER SECTION —

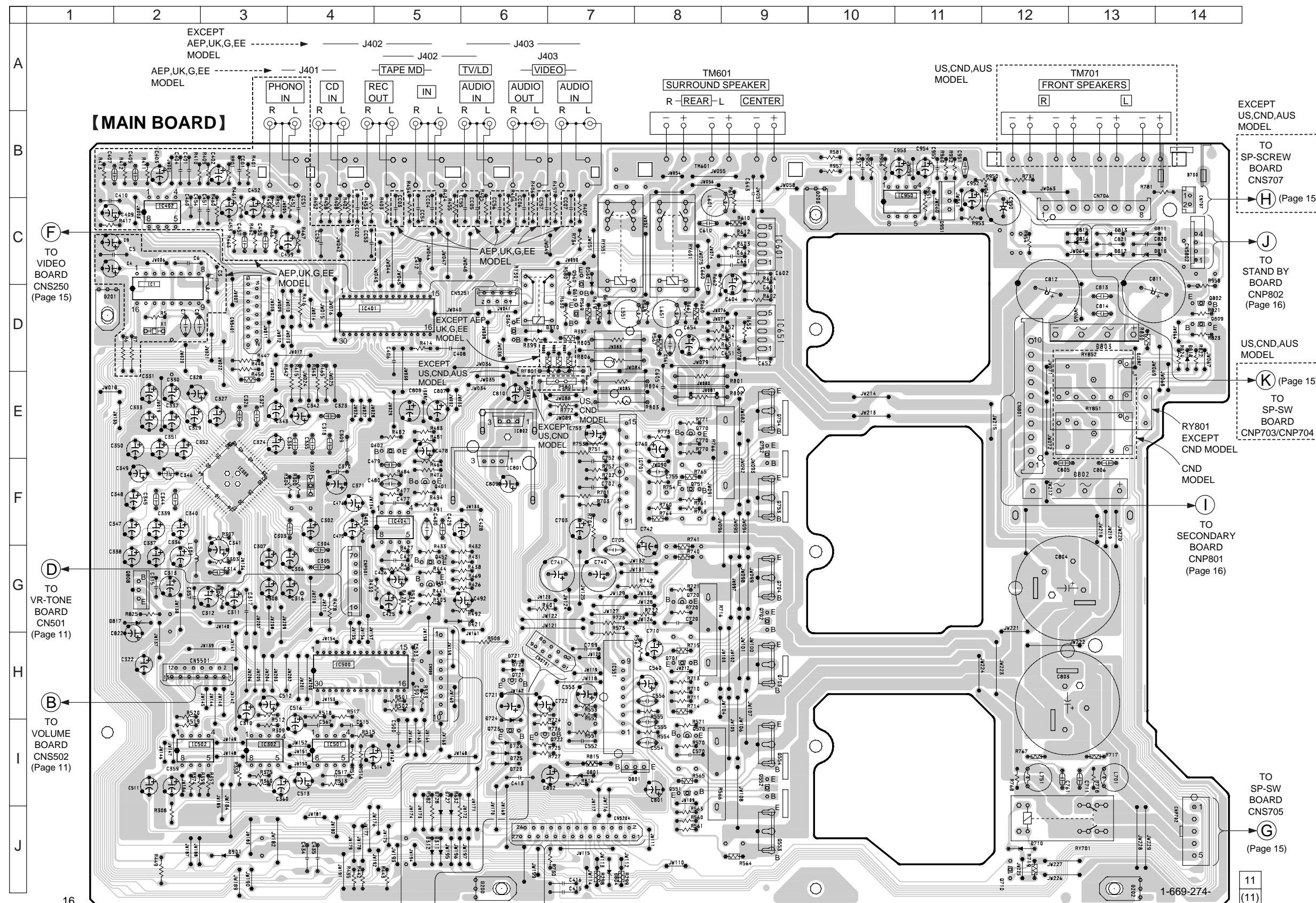


• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D816 | I-10 |
| IC251 | B-4 |

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3-7. PRINTED WIRING BOARD — MAIN SECTION —



• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D310 | D-6 |
| D311 | J-5 |
| D312 | J-5 |
| D421 | G-5 |
| D560 | C-7 |
| D610 | D-7 |
| D710 | J-12 |
| D721 | H-6 |
| D722 | H-6 |
| D723 | I-6 |
| D724 | I-6 |
| D725 | I-6 |
| D726 | I-6 |
| D727 | I-5 |
| D728 | I-5 |
| D801 | I-7 |
| D802 | F-13 |
| D803 | D-13 |
| D804 | J-7 |
| D810 | C-13 |
| D811 | C-13 |
| D812 | C-13 |
| D813 | C-13 |
| D814 | C-13 |
| D815 | C-13 |
| D817 | G-2 |
| D818 | D-14 |
| D901 | J-3 |
| IC1 | D-2 |
| IC300 | F-3 |
| IC302 | I-3 |
| IC401 | D-4 |
| IC402 | C-2 |
| IC404 | F-5 |
| IC500 | H-4 |
| IC501 | I-4 |
| IC502 | I-2 |
| IC551 | H-7 |
| IC601 | C-9 |
| IC651 | D-9 |
| IC701 | F-7 |
| IC801 | F-6 |
| IC802 | E-6 |
| IC950 | B-11 |
| Q367 | D-6 |
| Q401 | F-5 |
| Q402 | E-5 |
| Q451 | G-5 |
| Q452 | G-5 |
| Q551 | I-8 |
| Q552 | I-9 |
| Q553 | J-9 |
| Q554 | I-9 |
| Q560 | C-7 |
| Q570 | I-8 |
| Q610 | D-7 |
| Q701 | H-8 |
| Q702 | G-9 |
| Q703 | H-9 |
| Q704 | G-9 |
| Q710 | J-12 |
| Q720 | G-8 |
| Q721 | H-6 |
| Q722 | I-7 |
| Q723 | I-6 |
| Q751 | F-8 |
| Q752 | E-9 |
| Q753 | F-9 |
| Q754 | E-9 |
| Q770 | E-8 |
| Q801 | I-7 |
| Q802 | D-14 |
| Q808 | G-2 |
| Q809 | D-14 |
| Q951 | C-11 |

(F) TO VIDEO BOARD CNS250 (Page 15)

(D) TO VR-TONE BOARD CNS01 (Page 11)

(B) TO VOLUME BOARD CNS02 (Page 11)

(E) TO VIDEO BOARD CNP500 (Page 15)

(C) TO VOLUME BOARD CNS402 (Page 11)

(A) TO DISPLAY BOARD CNS201 (Page 11)

EXCEPT US,CND,AUS MODEL
TO SP-SCREW BOARD CNS707 (Page 15)

(J) TO STAND BY BOARD CNP802 (Page 16)

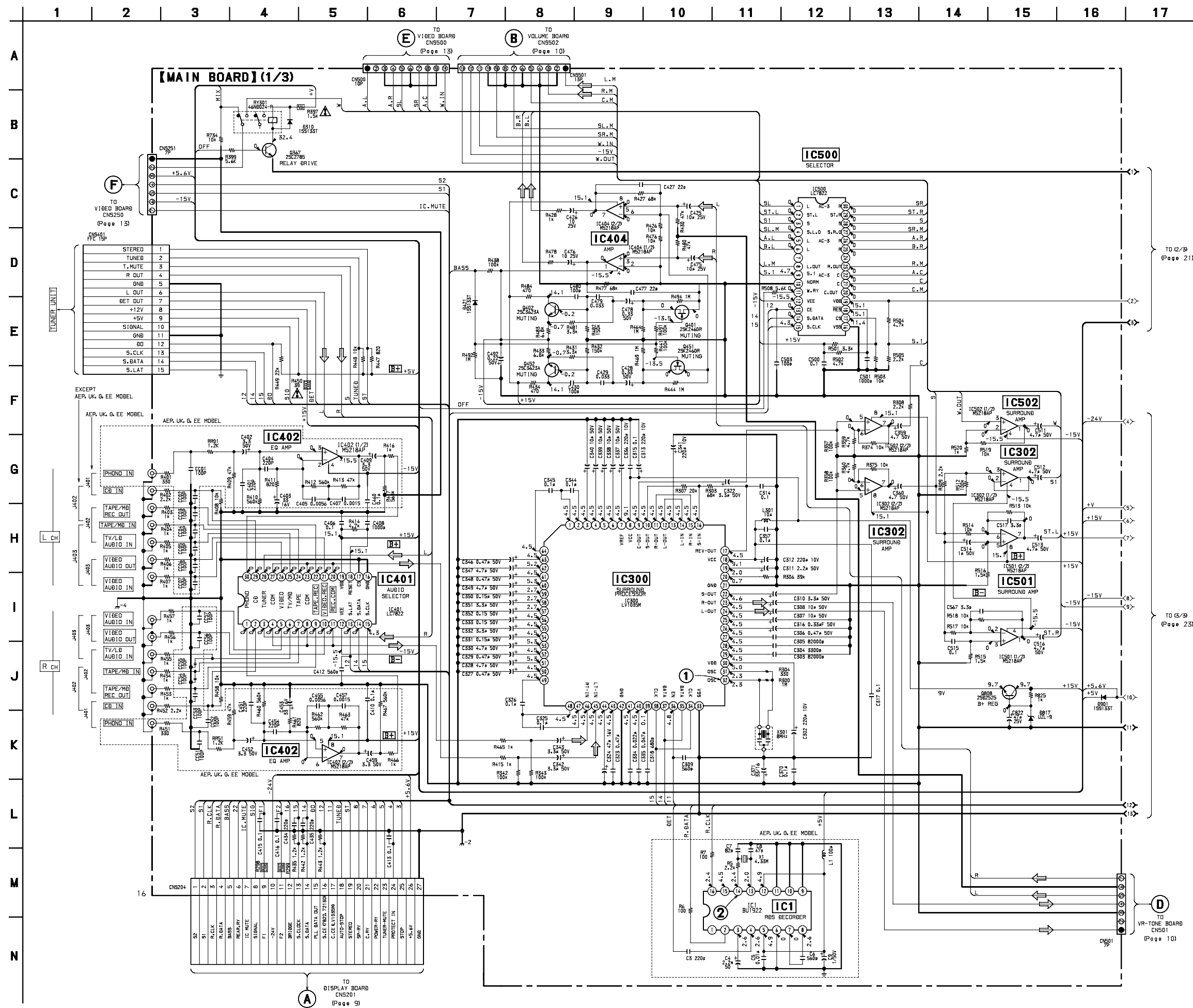
US,CND,AUS MODEL
(K) TO SP-SW BOARD CNP703/CNP704 (Page 15)

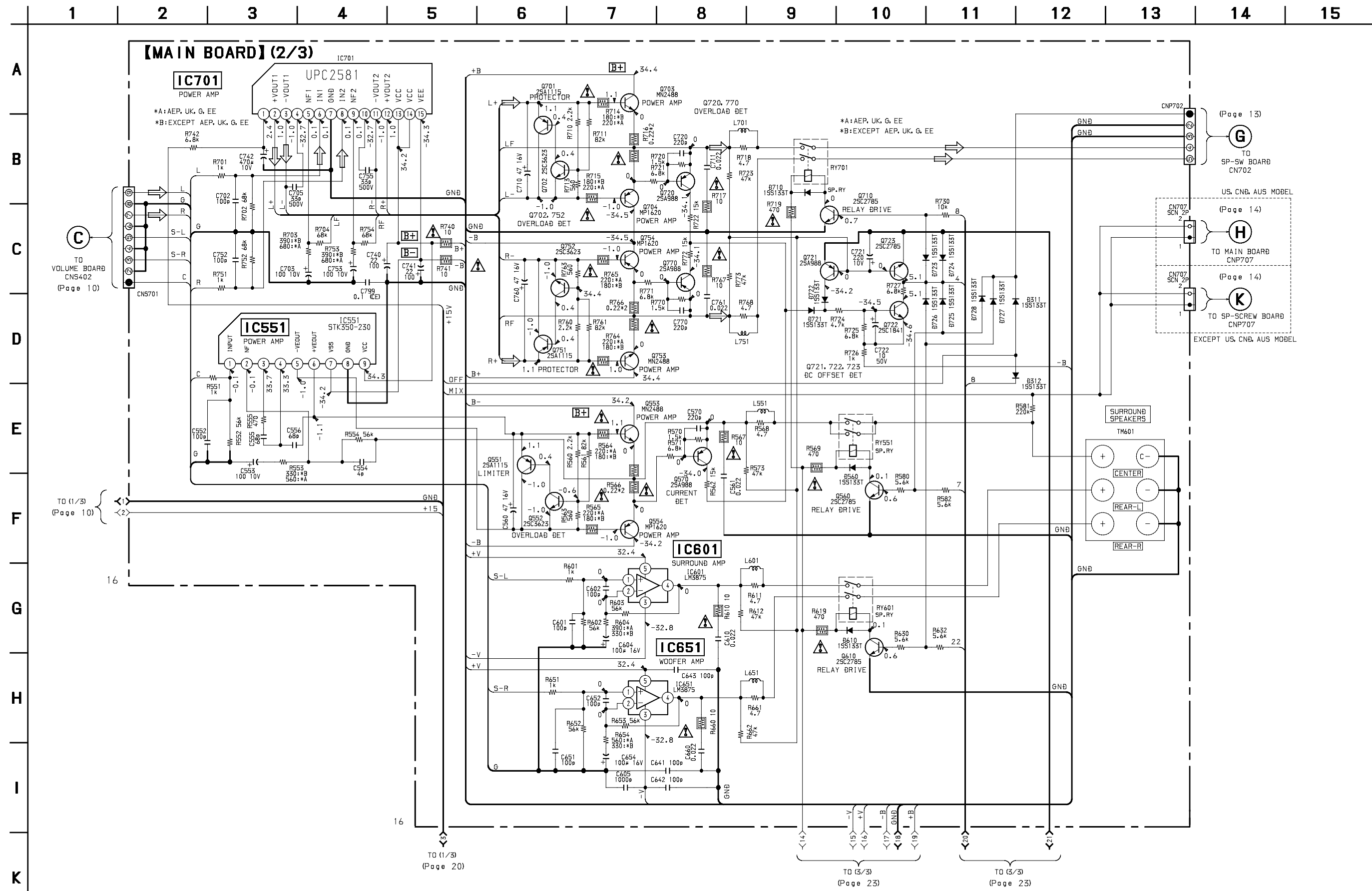
(I) TO SECONDARY BOARD CNP801 (Page 16)

TO SP-SW BOARD CNS705 (Page 15)

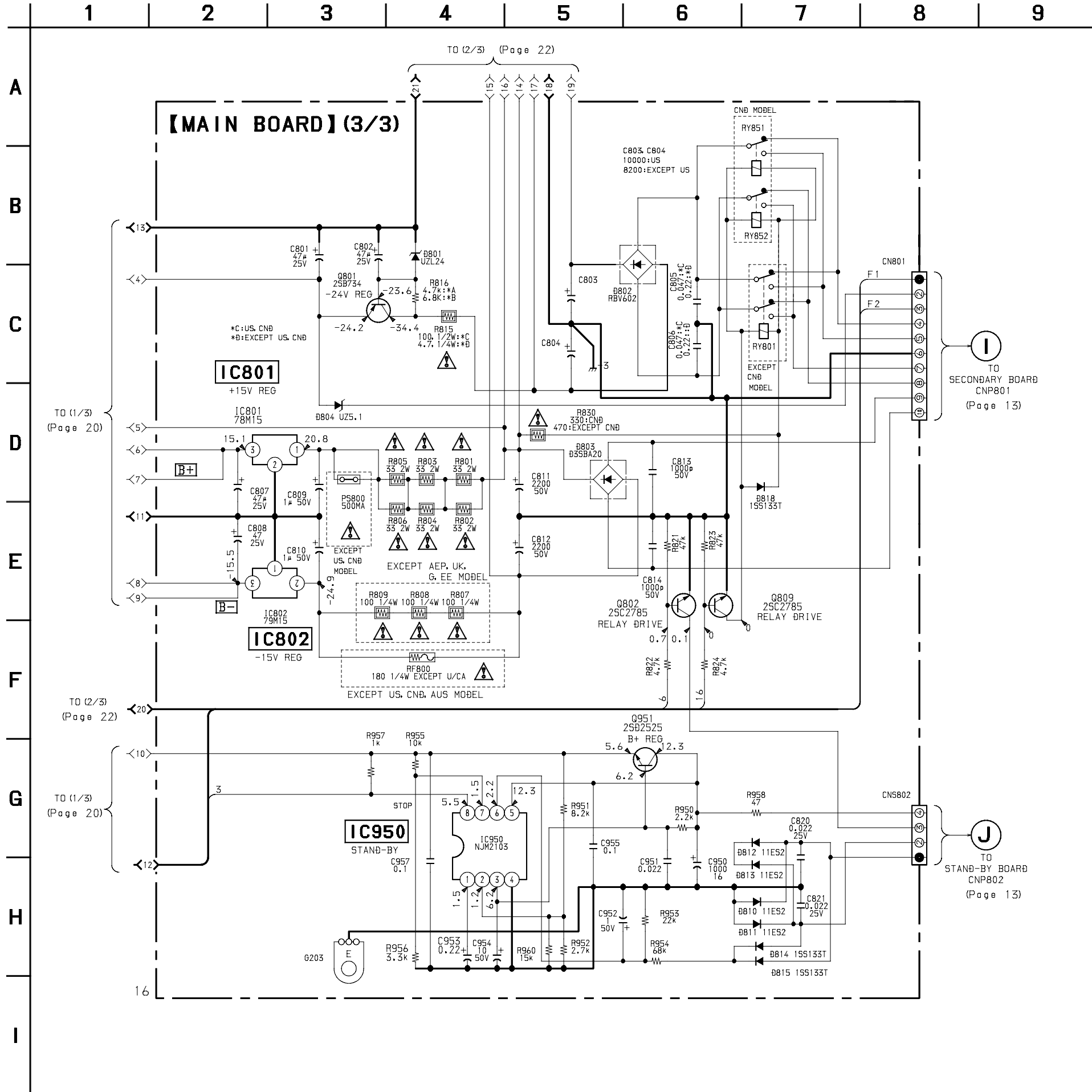
11 (11)

3-8. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) —





3-10. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —



3-11. IC PIN FUNCTION DESCRIPTION

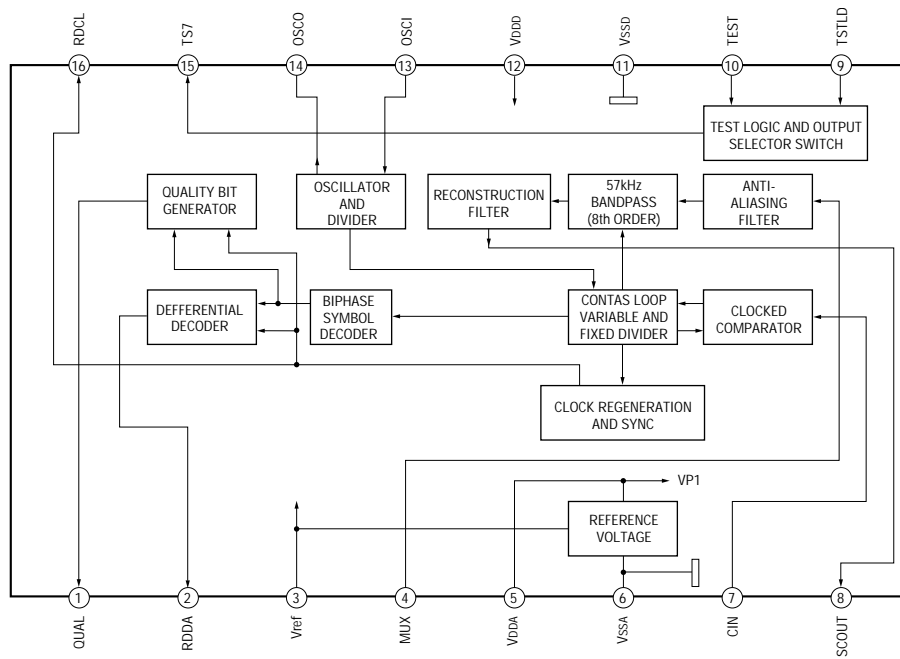
• IC201 μ PD78044FGF-112-3B9

| Pin No. | Pin Name | I/O | Description |
|---------|-----------------------------------|-----|--|
| 1 | DIG7 | O | Fluorescent indicator tube drive. |
| 2 | DIG6 | O | |
| 3 | DIG5 | O | |
| 4 | DIG4 | O | |
| 5 | DIG3 | O | |
| 6 | DIG2 | O | |
| 7 | DIG1 | O | |
| 8 | +5V | — | Power supply (+5V). |
| 9 | $\overline{\text{S. CLK}}$ | O | System clock. |
| 10 | $\overline{\text{S. DATA}}$ | O | System data. |
| 11 | $\overline{\text{PLL. DATA}}$ | I | PLL data input from TU001. |
| 12 | S. CE (LC7288) | O | Chip enable output. |
| 13 | $\overline{\text{S. CE (LV100)}}$ | O | Chip enable output. |
| 14 | REAR-R | O | Input for model select. |
| 15 | BRIDGE | O | Relay control. |
| 16 | $\overline{\text{PROTECT}}$ | I | Relay control. |
| 17 | $\overline{\text{RESET}}$ | I | System reset terminal. |
| 18 | $\overline{\text{AUTO-STOP}}$ | I | Auto stop detect input. |
| 19 | $\overline{\text{STEREO-IN}}$ | I | Stereo detect input. |
| 20 | AVss | — | Ground. |
| 21 | SP-RY | O | Speaker relay drive. |
| 22 | SURR-RY | O | Surround Relay. |
| 23 | POWER-RY | O | Power relay drive. |
| 24 | AVss | — | Ground. |
| 25 | SIGNAL | I | A/D signal input terminal. |
| 26 | A/D3 | I | A/D3 key input terminal. |
| 27 | A/D2 | I | A/D2 key input terminal. |
| 28 | A/D1 | I | A/D1 key input terminal. |
| 29 | AVDD | — | Power supply (+5V). |
| 30 | AV. REF | — | Reference voltage (+5V). |
| 31 | GND | — | Ground. |
| 32 | NC | — | Not used (Open). |
| 33 | Vss | — | Ground. |
| 34 | X1 | O | System clock (4.19MHz). |
| 35 | X2 | I | System clock (4.19MHz). |
| 36 | IC. MUTE | O | Mute drive output for NJM2279 (IC251). |
| 37 | $\overline{\text{PROLOGIC}}$ | O | Plologic LED. |
| 38 | $\overline{\text{SIMULATED}}$ | O | CINEMA STUDIO LED. |
| 39 | $\overline{\text{HALL}}$ | O | HALL LED. |
| 40 | T. MUTE | O | Tuner mute drive output. |

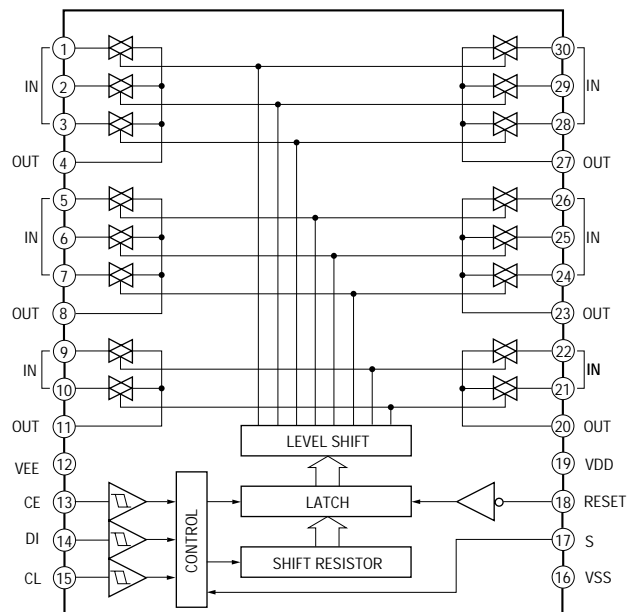
| Pin No. | Pin Name | I/O | Description |
|---------|--------------------------------|-----|--|
| 41 | VOLUME UP | O | Volume up. |
| 42 | VOLUME DOWN | O | Volume down. |
| 43 | NC | — | Not used. (Open) |
| 44 | $\overline{\text{SYS. POWER}}$ | I | System power ON/OFF. |
| 45 | RDS. DATA. IN | I | RDS data input. |
| 46 | RDS. CLK. IN | I | RDS clock input. |
| 47 | $\overline{\text{STOP}}$ | I | Stop signal input from NJM2103D (IC950). |
| 48 | V _{ss} | — | Ground. |
| 49 | $\overline{\text{SIRCS}}$ | I | Sircs signal input. |
| 50 | $\overline{\text{MUTING}}$ | O | Muting LED drive. |
| 51 | 5.1ch LED | O | 5.1ch LED drive. |
| 52 | +5V | — | Power supply (+5V). |
| 53 | BASS BOOST | O | Bass boost LED drive. |
| 54 | FUNC. MUTE | O | Line mute drive. |
| 55 | SL MUTE | O | SL mute drive. |
| 56 | VERSION | I | Input for model select. |
| 57 | K14 | I | Key in 4. |
| 58 | K13 | I | Key in 3. |
| 59 | K12 | I | Key in 2. |
| 60 | K11 | I | Key in 1. |
| 61 | SR MUTE | O | SR mute drive. |
| 62 | S15 | O | Key out 15. |
| 63 | S14 | O | Key out 14. |
| 64 | S13 | O | Key out 13. |
| 65 | S12 | O | Key out 12. |
| 66 | S11 | O | Key out 11. |
| 67 | S10 | O | Key out 10. |
| 68 | S9 | O | Key out 9. |
| 69 | S8 | O | Key out 8. |
| 70 | S7 | O | Key out 7. |
| 71 | VLOAD | — | Connect to -24V. |
| 72 | S6 | O | Key out 6. |
| 73 | S5 | O | Key out 5. |
| 74 | S4 | O | Key out 4. |
| 75 | S3 | O | Key out 3. |
| 76 | S2 | O | Key out 2. |
| 77 | S1 | O | Key out 1. |
| 78 | DIG10 | O | Fluorescent indicator tube drive. |
| 79 | DIG9 | O | |
| 80 | DIG8 | O | |

3-12. IC BLOCK DIAGRAMS
• IC BLOCK DIAGRAMS

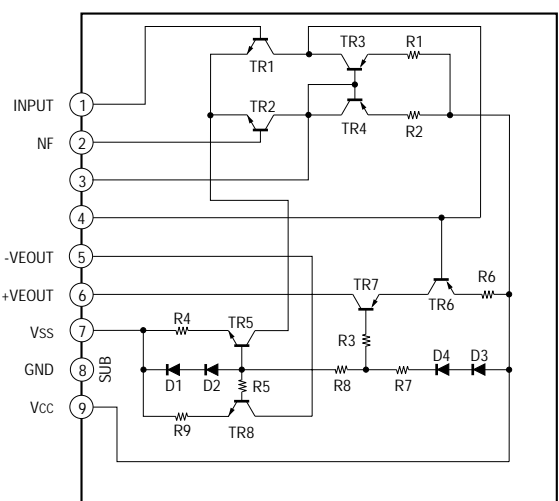
IC1 BU1922



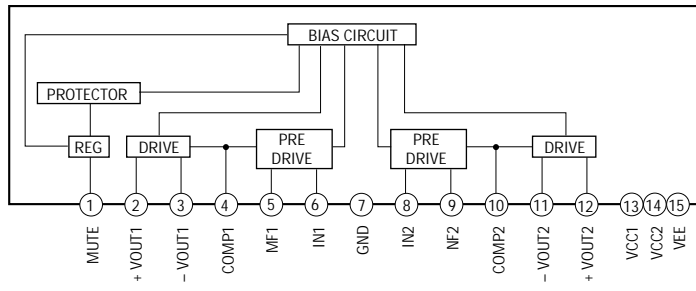
IC401, IC500 LC7822



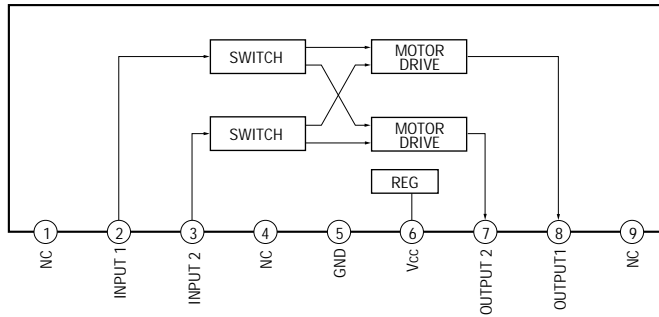
IC551 STK350-230



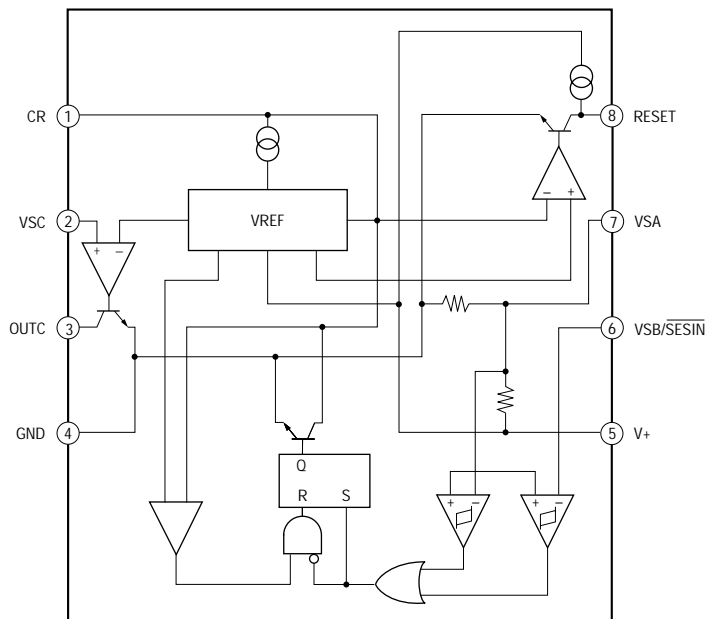
IC701 uPC2581V



IC202 BA6208



IC950 NJM2103D



SECTION 4 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences 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.
- 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
 CND : Canadian G : German
 EE : East European MY : Malaysia
 AUS : Australian SP : Singapore
 CH : Chinese

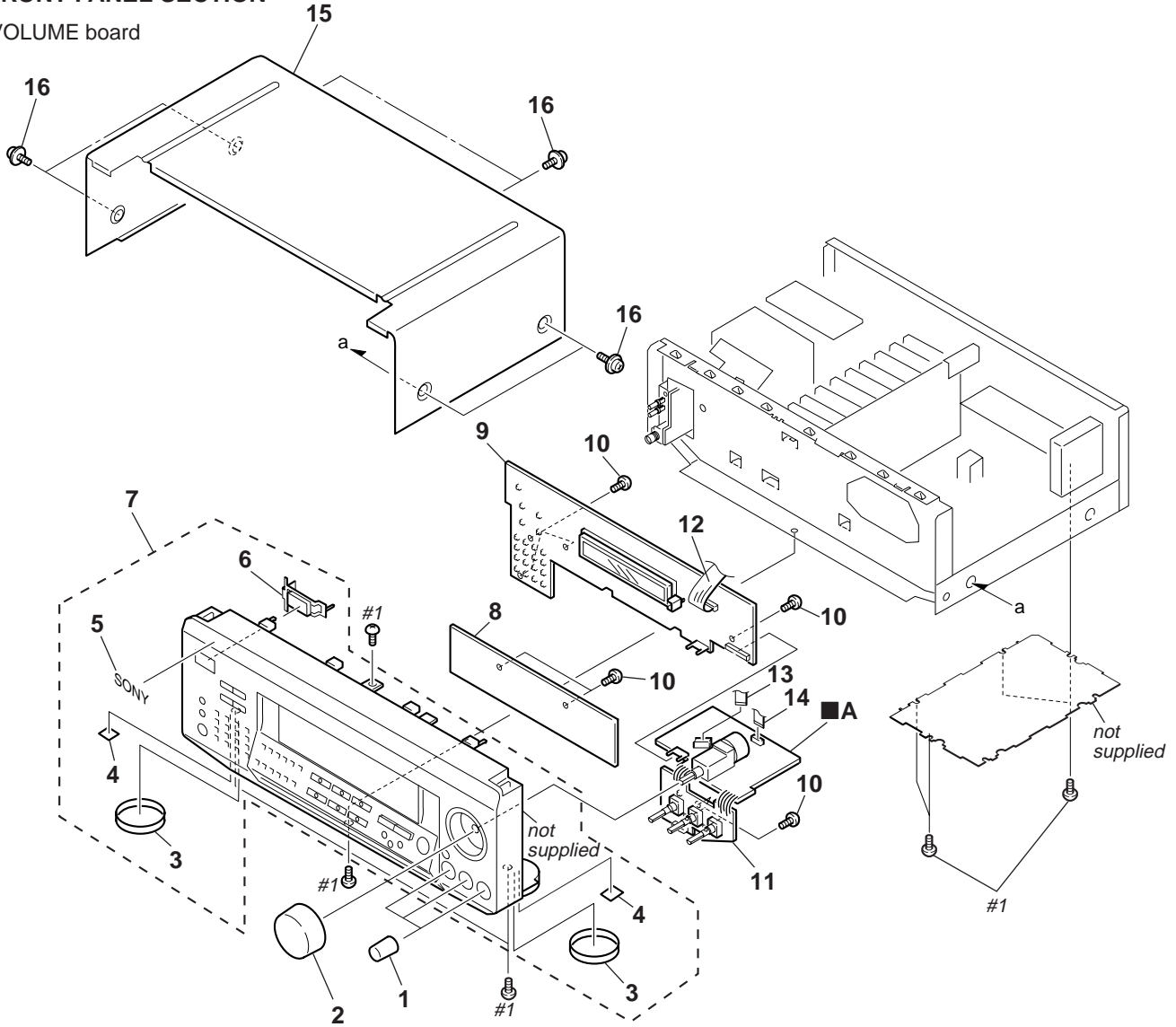
When indicating parts by reference number, please include the board name.

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

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

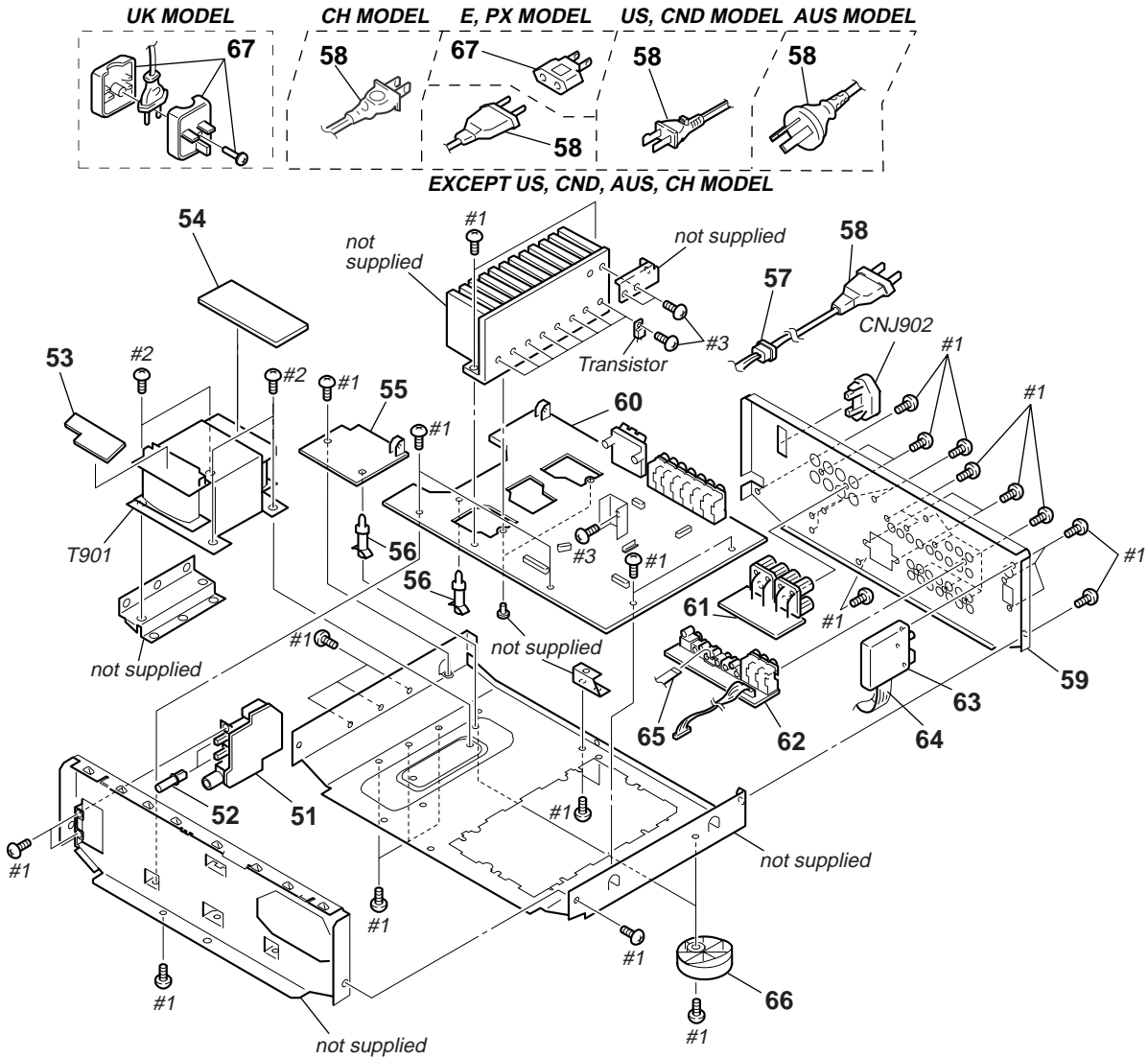
4-1. FRONT PANEL SECTION

■A : VOLUME board



| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|---|---------|----------|--------------|--|---------|
| 1 | 4-998-717-01 | KNOB (BAL) | | * 9 | A-4407-534-A | DISPLAY BOARD, COMPLETE(E,SP,MY,CH) | |
| 2 | X-4949-627-1 | KNOB (VOL) ASSY | | * 9 | A-4407-537-A | DISPLAY BOARD, COMPLETE(AEP,UK,G) | |
| 3 | 4-977-593-11 | RING (DIA.50),ORNAMENTAL(EXCEPT US,CND) | | * 9 | A-4407-995-A | DISPLAY BOARD, COMPLETE(EE) | |
| 4 | 4-977-358-11 | CUSHION (US,CND) | | 10 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| 5 | 4-996-698-01 | EMBLEM, SONY | | * 11 | A-4407-451-A | VR-TONE BOARD, COMPLETE (US,CND,AUS,E,SP,MY,CH) | |
| 6 | 4-998-189-01 | BUTTON (P-T) | | * 11 | A-4407-539-A | VR-TONE BOARD, COMPLETE(AEP,UK,G,EE) | |
| 7 | X-4949-624-1 | FRONT PANEL ASSY (US,CND) | | 12 | 1-782-086-11 | WIRE (FLAT TYPE) (27 CORE) | |
| 7 | X-4949-676-1 | FRONT PANEL ASSY (AUS) | | 13 | 1-769-911-11 | WIRE (FLAT TYPE) (9 CORE) | |
| 7 | X-4949-677-1 | FRONT PANEL ASSY (AEP,UK,G,EE) | | 14 | 1-769-972-11 | WIRE (FLAT TYPE) (13 CORE) | |
| 7 | X-4949-683-1 | FRONT PANEL ASSY (E,SP,MY,CH) | | * 15 | 4-998-206-01 | CASE (413226) | |
| * 8 | 1-669-276-11 | 10 KEY BOARD | | 16 | 3-710-901-11 | SCREW (CASE) (M3X8) | |
| * 9 | A-4407-449-A | DISPLAY BOARD, COMPLETE(US,CND) | | | | | |
| * 9 | A-4407-531-A | DISPLAY BOARD, COMPLETE(AUS) | | | | | |

4-2. CHASSIS SECTION



| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|------------------------------------|---------|----------|--------------|---|---------|
| * 51 | 1-669-282-11 | SP-SW BOARD | | * 60 | A-4407-535-A | MAIN BOARD, COMPLETE (E,SP,MY,CH) | |
| * 52 | 4-951-801-03 | BUTTON (S) | | * 60 | A-4407-545-A | MAIN BOARD, COMPLETE(AEP,UK,G,EE) | |
| * 53 | 1-669-280-11 | PRIMARY BOARD | | * 61 | 1-669-284-11 | SP-SCREW BOARD (AEP,UK,G,EE,E,SP,MY,CH) | |
| * 54 | 1-669-281-11 | SECONDARY BOARD | | * 62 | 1-669-283-11 | VIDEO BOARD | |
| * 55 | 1-669-279-11 | STAND BY BOARD | | 63 | 1-693-407-41 | TUNER (US,CND) | |
| * 56 | 4-954-051-51 | HOLDER, PC BOARD | | 63 | 1-693-408-41 | TUNER (AUS,AEP,UK,G,E,SP,MY,CH) | |
| * 57 | 3-703-244-00 | BUSHING (2104), CORD | | 63 | 1-693-411-41 | TUNER (EE) | |
| △ 58 | 1-777-071-21 | CORD, POWER (EXCEPT US,CND,AUS,CH) | | 64 | 1-782-080-11 | WIRE (FLAT TYPE) (15 CORE) | |
| △ 58 | 1-696-847-21 | CORD, POWER (AUS) | | 65 | 1-782-074-11 | WIRE (FLAT TYPE) (7 CORE) | |
| △ 58 | 1-777-071-11 | CORD, POWER (CH) | | 66 | X-4947-207-1 | FOOT ASSY (F50150S)(EXCEPT US,CND) | |
| △ 58 | 1-783-204-11 | CORD, POWER (US,CND) | | 66 | X-4947-208-1 | FOOT ASSY (F50150S)(US,CND) | |
| * 59 | 4-998-205-01 | BACK PANEL (E4)(US) | | 67 | 1-569-008-21 | ADAPTOR, CONVERSION 2P (E) | |
| * 59 | 4-998-205-11 | BACK PANEL (E4)(CND) | | 67 | 1-770-019-11 | ADAPTOR, CONVERSION 3P (UK) | |
| * 59 | 4-998-205-21 | BACK PANEL (E4)(AUS) | | △ CNJ902 | 1-251-416-11 | OUTLET, AC (AUS) | |
| * 59 | 4-998-205-31 | BACK PANEL (E4)(E,SP,MY) | | △ CNJ902 | 1-526-794-11 | OUTLET, AC (AEP,G,EE,E,SP,MY,CH) | |
| * 59 | 4-998-205-41 | BACK PANEL (E4)(CH) | | △ T901 | 1-431-267-11 | TRANSFORMER, POWER (US) | |
| * 59 | 4-998-205-61 | BACK PANEL (E4)(EE) | | △ T901 | 1-431-268-11 | TRANSFORMER, POWER (CND) | |
| * 59 | 4-998-205-51 | BACK PANEL (E4)(AEP,UK,G) | | △ T901 | 1-431-270-11 | TRANSFORMER, POWER (AUS) | |
| * 60 | A-4407-457-A | MAIN BOARD, COMPLETE (US) | | △ T901 | 1-431-791-11 | TRANSFORMER, POWER (AEP,UK,G,EE) | |
| * 60 | A-4407-530-A | MAIN BOARD, COMPLETE (CND) | | △ T901 | 1-431-792-11 | TRANSFORMER, POWER (E,SP,MY,CH) | |
| * 60 | A-4407-533-A | MAIN BOARD, COMPLETE (AUS) | | | | | |

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

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

SECTION 5 ELECTRICAL PARTS LIST

DISPLAY

NOTE:

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

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

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

- 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.
- CAPACITORS:
uF: μ F
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...
- Abbreviation
CND : Canadian G : German
EE : East European MY : Malaysia
AUS : Australian SP : Singapore
CH : Chinese

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|---|----------------------------|-----------------|--------------|---|---------|
| * | A-4407-449-A | DISPLAY BOARD, COMPLETE (US,CND) ***** | | D237 | 8-719-046-39 | DIODE SEL5821A-TH15 (PROLOGIC) | |
| * | A-4407-531-A | DISPLAY BOARD, COMPLETE (AUS) ***** | | D239 | 8-719-046-39 | DIODE SEL5821A-TH15 (BASS BOOST) | |
| * | A-4407-534-A | DISPLAY BOARD, COMPLETE (E,SP,MY,CH) ***** | | < FLUORESCENT > | | | |
| * | A-4407-537-A | DISPLAY BOARD, COMPLETE (AEP,UK,G) ***** | | FL201 | 1-517-662-11 | INDICATOR TUBE, FLUORESCENT | |
| * | A-4407-995-A | DISPLAY BOARD, COMPLETE (EE) ***** | | < IC > | | | |
| * | 4-921-941-01 | CUSHION (FL) | | IC201 | 8-759-526-68 | IC uPD78044FGF-112-3B9 | |
| * | 4-943-107-11 | HOLDER (FL TUBE) | | IC202 | 8-759-962-08 | IC BA6208 | |
| | | | | IC203 | 8-759-332-18 | IC GP1U27XB | |
| | | | | < COIL > | | | |
| | | | | L401 | 1-410-509-11 | INDUCTOR 10uH | |
| | | | | < TRANSISTOR > | | | |
| C201 | 1-104-905-11 | CAPACITOR | 0.22F 5.5V | Q201 | 8-729-900-63 | TRANSISTOR DTA124ES | |
| C202 | 1-164-159-11 | CERAMIC | 0.1uF 50V | Q202 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| C203 | 1-124-465-00 | ELECT | 0.47uF 20% 50V | Q230 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| C204 | 1-164-159-11 | CERAMIC | 0.1uF 50V | Q231 | 8-729-900-36 | TRANSISTOR DTC124ES | |
| C205 | 1-162-294-31 | CERAMIC | 0.001uF 10% 50V | < RESISTOR > | | | |
| C206 | 1-164-159-11 | CERAMIC | 0.1uF 50V | R200 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| C207 | 1-126-096-11 | ELECT | 10uF 20% 35V | R201 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| C208 | 1-126-964-11 | ELECT | 10uF 20% 50V | R202 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | | | | R203 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| | | | | R204 | 1-249-425-11 | CARBON 4.7K 5% 1/4W F | |
| | | | | R205 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| | | | | R206 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | | | R207 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | | | R211 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | | | R212 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | | | R216 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | | | R221 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R222 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R223 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R224 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R225 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R226 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| | | | | R227 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| | | | | R228 | 1-249-406-11 | CARBON 120 5% 1/4W F | |
| | | | | R230 | 1-249-406-11 | CARBON 120 5% 1/4W F | |
| | | | | R231 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F | |
| | | | | R270 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| | | | | R283 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F | |
| | | | | R284 | 1-249-427-11 | CARBON 6.8K 5% 1/4W F | |
| | | | | R285 | 1-249-406-11 | CARBON 120 5% 1/4W F | |
| | | | | | | | |

DISPLAY

MAIN

| Ref. No. | Part No. | Description | Remarks |
|------------|--------------|--------------------------------|--|
| R286 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R287 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| RD01 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD02 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD03 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD04 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD05 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD06 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD07 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD08 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD09 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD10 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD11 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD12 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD13 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD14 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD15 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD16 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD17 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD18 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD19 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD20 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD21 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD22 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD23 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD24 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| RD25 | 1-249-439-11 | CARBON | 68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| < SWITCH > | | | |
| S200 | 1-762-751-11 | SWITCH,TACTILE (POWER) | |
| S201 | 1-762-751-11 | SWITCH,TACTILE (CENTER LEVEL-) | |
| S202 | 1-762-751-11 | SWITCH,TACTILE (CENTER LEVEL+) | |
| S203 | 1-762-751-11 | SWITCH,TACTILE (REAR LEVEL-) | |
| S204 | 1-762-751-11 | SWITCH,TACTILE (REAR LEVEL+) | |

| Ref. No. | Part No. | Description | Remarks |
|---------------|--------------|---|---------------------------------|
| S205 | 1-762-751-11 | SWITCH,TACTILE (PTY) (AEP,UK,G,EE) | |
| S206 | 1-762-751-11 | SWITCH,TACTILE (EON) (AEP,UK,G,EE) | |
| S207 | 1-762-751-11 | SWITCH,TACTILE (CHARACTER)(AEP,UK,G,EE) | |
| S208 | 1-762-751-11 | SWITCH,TACTILE (DISPLAY) (AEP,UK,G,EE) | |
| S209 | 1-762-751-11 | SWITCH,TACTILE (TUNING PTY SELECT-) | |
| S210 | 1-762-751-11 | SWITCH,TACTILE (TUNING PTY SELECT+) | |
| S211 | 1-762-751-11 | SWITCH,TACTILE (PRESET CHARACTER-) | |
| S212 | 1-762-751-11 | SWITCH,TACTILE (PRESET CHARACTER+) | |
| S213 | 1-762-751-11 | SWITCH,TACTILE (SLEEP) | |
| S214 | 1-762-751-11 | SWITCH,TACTILE (FM MODE) | |
| S215 | 1-762-751-11 | SWITCH,TACTILE (FM/AM) | |
| S216 | 1-762-751-11 | SWITCH,TACTILE (MEMORY) | |
| < VIBRATOR > | | | |
| X201 | 1-577-101-11 | VIBRATOR, CERAMIC 4.19MHZ | |
| ***** | | | |
| * | A-4407-457-A | MAIN BOARD, COMPLETE (US) | |
| ***** | | | |
| * | A-4407-530-A | MAIN BOARD, COMPLETE (CND) | |
| ***** | | | |
| * | A-4407-533-A | MAIN BOARD, COMPLETE (AUS) | |
| ***** | | | |
| * | A-4407-535-A | MAIN BOARD, COMPLETE (E,SP,MY,CH) | |
| ***** | | | |
| * | A-4407-545-A | MAIN BOARD, COMPLETE (AEP,UK,G,EE) | |
| ***** | | | |
| | 3-905-609-01 | SCREW (TRANSISTOR) | |
| | 4-812-134-00 | RIVET (DIA. 3.5), NYLON | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |
| | 7-685-872-09 | SCREW +BVTT 3X8 (S) | |
| < CAPACITOR > | | | |
| C3 | 1-162-286-21 | CERAMIC | 220PF 10% 50V (AEP,UK,G,EE) |
| C4 | 1-126-961-11 | ELECT | 2.2uF 20% 50V (AEP,UK,G,EE) |
| C5 | 1-162-306-11 | CERAMIC | 0.01uF 20% 16V (AEP,UK,G,EE) |
| C6 | 1-162-291-31 | CERAMIC | 560PF 10% 50V (AEP,UK,G,EE) |
| C7 | 1-102-527-11 | CERAMIC | 82PF 5% 50V (AEP,UK,G,EE) |
| C8 | 1-102-852-91 | CERAMIC | 47PF 5% 50V (AEP,UK,G,EE) |
| C9 | 1-126-960-11 | ELECT | 1uF 20% 50V (AEP,UK,G,EE) |
| C302 | 1-126-934-11 | ELECT | 220uF 20% 10V |
| C303 | 1-130-494-11 | MYLAR | 0.082uF 5% 50V |
| C304 | 1-137-367-11 | FILM | 0.0033uF 5% 50V |
| C305 | 1-130-494-11 | MYLAR | 0.082uF 5% 50V |
| C306 | 1-126-959-11 | ELECT | 0.47uF 20% 50V |
| C307 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| C308 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| C309 | 1-162-291-31 | CERAMIC | 560PF 10% 50V |
| C310 | 1-126-962-11 | ELECT | 3.3uF 20% 50V |
| C311 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| C312 | 1-126-934-11 | ELECT | 220uF 20% 10V |
| C313 | 1-126-934-11 | ELECT | 220uF 20% 10V |
| C314 | 1-136-165-00 | FILM | 0.1uF 5% 50V |
| C316 | 1-124-252-00 | ELECT | 0.33uF 20% 50V |

| Ref. No. | Part No. | Description | Remarks | | | Ref. No. | Part No. | Description | Remarks | | |
|----------|--------------|-------------|----------|-----|---------------|----------|--------------|-------------|----------|-----|---------------|
| C317 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C426 | 1-126-795-11 | ELECT | 10uF | 20% | 25V |
| C318 | 1-136-357-11 | FILM | 680PF | 5% | 50V | C427 | 1-162-207-31 | CERAMIC | 22PF | 5% | 50V |
| C322 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V | C428 | 1-124-252-00 | ELECT | 0.33uF | 20% | 50V |
| C323 | 1-136-173-00 | FILM | 0.47uF | 5% | 50V | C429 | 1-130-489-00 | MYLAR | 0.033uF | 5% | 50V |
| C324 | 1-126-967-11 | ELECT | 47uF | 20% | 16V | C430 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C325 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | C434 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C326 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | C435 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C327 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V | C451 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C328 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | | | | | | (AEP,UK,G,EE) |
| C329 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V | C452 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V |
| | | | | | | | | | | | (AEP,UK,G,EE) |
| C330 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | | | | | | |
| C331 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V | C453 | 1-126-966-11 | ELECT | 33uF | 20% | 16V |
| C332 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V | | | | | | (AEP,UK,G,EE) |
| C333 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V | C454 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C334 | 1-137-372-11 | FILM | 0.022uF | 5% | 50V | | | | | | (AEP,UK,G,EE) |
| C335 | 1-136-161-00 | FILM | 0.047uF | 5% | 50V | C455 | 1-137-459-11 | FILM | 0.0056MF | 5% | 100V |
| C336 | 1-126-934-11 | ELECT | 220uF | 20% | 10V | | | | | | (AEP,UK,G,EE) |
| C337 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | C457 | 1-137-365-11 | FILM | 0.0015uF | 5% | 50V |
| C338 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | | | | | | (AEP,UK,G,EE) |
| C339 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | C459 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V |
| | | | | | | | | | | | (AEP,UK,G,EE) |
| C340 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | C460 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| C341 | 1-126-934-11 | ELECT | 220uF | 20% | 10V | | | | | | (AEP,UK,G,EE) |
| C342 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V | | | | | | |
| C343 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V | C475 | 1-126-795-11 | ELECT | 10uF | 20% | 25V |
| C344 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | C476 | 1-126-795-11 | ELECT | 10uF | 20% | 25V |
| | | | | | | C477 | 1-162-207-31 | CERAMIC | 22PF | 5% | 50V |
| C345 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V | C478 | 1-124-252-00 | ELECT | 0.33uF | 20% | 50V |
| C346 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V | C479 | 1-130-489-00 | MYLAR | 0.033uF | 5% | 50V |
| C347 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | | | | | | |
| C348 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V | C480 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C349 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | C492 | 1-124-464-11 | ELECT | 0.22uF | 20% | 50V |
| | | | | | | C500 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C350 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V | C501 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C351 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V | C503 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C352 | 1-124-250-11 | ELECT | 0.15uF | 20% | 50V | | | | | | |
| C357 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C511 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C359 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | C512 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | | | | | | C513 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C360 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | C514 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C370 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C515 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V |
| C371 | 1-126-966-11 | ELECT | 33uF | 20% | 16V | | | | | | |
| C401 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V | C516 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| | | | | | (AEP,UK,G,EE) | C517 | 1-162-193-31 | CERAMIC | 3.3PF | 10% | 50V |
| C402 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V | C552 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| | | | | | (AEP,UK,G,EE) | C553 | 1-126-933-11 | ELECT | 100uF | 20% | 10V |
| C403 | 1-126-966-11 | ELECT | 33uF | 20% | 16V | C554 | 1-102-937-00 | CERAMIC | 4.0PF | | + -0.25PF50V |
| | | | | | (AEP,UK,G,EE) | | | | | | |
| C404 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V | C555 | 1-102-989-00 | CERAMIC | 68PF | 5% | 500V |
| | | | | | (AEP,UK,G,EE) | C556 | 1-102-989-00 | CERAMIC | 68PF | 5% | 500V |
| C405 | 1-137-459-11 | FILM | 0.0056MF | 5% | 100V | C560 | 1-126-967-11 | ELECT | 47uF | 20% | 16V |
| | | | | | (AEP,UK,G,EE) | C561 | 1-137-372-11 | FILM | 0.022uF | 5% | 50V |
| C406 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C567 | 1-162-193-31 | CERAMIC | 3.3PF | 10% | 50V |
| C407 | 1-137-365-11 | FILM | 0.0015uF | 5% | 50V | | | | | | |
| | | | | | (AEP,UK,G,EE) | C570 | 1-162-286-31 | CERAMIC | 220PF | 10% | 50V |
| C408 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | C601 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C409 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V | C602 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| | | | | | (AEP,UK,G,EE) | C604 | 1-104-665-11 | ELECT | 100uF | 20% | 16V |
| C410 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | C605 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| | | | | | (AEP,UK,G,EE) | | | | | | |
| C412 | 1-162-291-31 | CERAMIC | 560PF | 10% | 50V | C610 | 1-137-372-11 | FILM | 0.022uF | 5% | 50V |
| C413 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C641 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C415 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C642 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C416 | 1-164-159-11 | CERAMIC | 0.1uF | | 50V | C643 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C425 | 1-126-795-11 | ELECT | 10uF | 20% | 25V | C651 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |

MAIN

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--------------|------------------|----------|--------------|------------------------------|---------------|
| C652 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | CC03 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C654 | 1-104-665-11 | ELECT | 100uF 20% 16V | | | | (AEP,UK,G,EE) |
| C660 | 1-137-372-11 | FILM | 0.022uF 5% 50V | CC04 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C702 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | | | | (AEP,UK,G,EE) |
| C703 | 1-126-933-11 | ELECT | 100uF 20% 10V | CC05 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| | | | | | | | (AEP,UK,G,EE) |
| C705 | 1-102-233-00 | CERAMIC | 33PF 10% 500V | CC06 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C710 | 1-126-967-11 | ELECT | 47uF 20% 16V | | | | (AEP,UK,G,EE) |
| C711 | 1-137-372-11 | FILM | 0.022uF 5% 50V | CC07 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C720 | 1-162-286-31 | CERAMIC | 220PF 10% 50V | | | | (AEP,UK,G,EE) |
| C721 | 1-126-934-11 | ELECT | 220uF 20% 10V | CC51 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| | | | | | | | (AEP,UK,G,EE) |
| C722 | 1-126-964-11 | ELECT | 10uF 20% 50V | CC52 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C740 | 1-128-560-11 | ELECT | 22uF 20% 100V | | | | (AEP,UK,G,EE) |
| C741 | 1-128-560-11 | ELECT | 22uF 20% 100V | CC53 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C742 | 1-126-925-11 | ELECT | 470uF 20% 10V | | | | (AEP,UK,G,EE) |
| C752 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | CC54 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| | | | | | | | (AEP,UK,G,EE) |
| C753 | 1-126-933-11 | ELECT | 100uF 20% 10V | CC55 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C755 | 1-102-233-00 | CERAMIC | 33PF 10% 500V | | | | (AEP,UK,G,EE) |
| C760 | 1-126-967-11 | ELECT | 47uF 20% 16V | CC56 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| C761 | 1-137-372-11 | FILM | 0.022uF 5% 50V | | | | (AEP,UK,G,EE) |
| C770 | 1-162-286-31 | CERAMIC | 220PF 10% 50V | CC57 | 1-162-282-31 | CERAMIC | 100PF 10% 50V |
| | | | | | | | (AEP,UK,G,EE) |
| C799 | 1-164-159-11 | CERAMIC | 0.1uF 50V | | | | |
| C801 | 1-104-664-11 | ELECT | 47uF 20% 25V | | | | |
| C802 | 1-104-664-11 | ELECT | 47uF 20% 25V | | | | |
| C803 | 1-117-203-11 | ELECT(BLOCK) | 10000uF 20% 63V | | | | |
| | | | (US) | | | | < CONNECTOR > |
| C803 | 1-107-766-11 | ELECT(BLOCK) | 8200uF 20% 71V | CNP501 | 1-691-768-11 | PLUG (MICRO CONNECTOR) 6P | |
| | | | (EXCEPT US) | CNP702 | 1-764-474-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| C804 | 1-117-203-11 | ELECT(BLOCK) | 10000uF 20% 63V | CNS204 | 1-569-327-11 | SOCKET, CONNECTOR 27P | |
| | | | (US) | CNS251 | 1-568-439-11 | SOCKET, CONNECTOR 7P | |
| C804 | 1-107-766-11 | ELECT(BLOCK) | 8200uF 20% 71V | CNS401 | 1-569-321-11 | SOCKET, CONNECTOR 15P | |
| | | | (EXCEPT US) | | | | |
| C805 | 1-115-694-21 | MYLAR | 0.22uF 5% 100V | CNS501 | 1-568-443-11 | SOCKET, CONNECTOR 13P | |
| | | | (EXCEPT US,CND) | CNS701 | 1-568-442-11 | SOCKET, CONNECTOR 9P | |
| C805 | 1-137-420-11 | FILM | 0.047uF 10% 100V | CNS802 | 1-770-480-11 | SOCKET, CONNECTOR PIN 4P | |
| | | | (US,CND) | | | | < DIODE > |
| C806 | 1-115-694-21 | MYLAR | 0.22uF 5% 100V | D310 | 8-719-911-19 | DIODE 1SS119 | |
| | | | (EXCEPT US,CND) | D311 | 8-719-911-19 | DIODE 1SS119 | |
| C806 | 1-137-420-11 | FILM | 0.047uF 10% 100V | D312 | 8-719-911-19 | DIODE 1SS119 | |
| | | | (US,CND) | D421 | 8-719-911-19 | DIODE 1SS119 | |
| C807 | 1-104-664-11 | ELECT | 47uF 20% 25V | D560 | 8-719-911-19 | DIODE 1SS119 | |
| C808 | 1-104-664-11 | ELECT | 47uF 20% 25V | | | | |
| C809 | 1-126-960-11 | ELECT | 1uF 20% 50V | D610 | 8-719-911-19 | DIODE 1SS119 | |
| C810 | 1-126-960-11 | ELECT | 1uF 20% 50V | D710 | 8-719-911-19 | DIODE 1SS119 | |
| C811 | 1-128-550-11 | ELECT | 2200uF 20% 50V | D721 | 8-719-911-19 | DIODE 1SS119 | |
| | | | | D722 | 8-719-911-19 | DIODE 1SS119 | |
| C812 | 1-128-550-11 | ELECT | 2200uF 20% 50V | D723 | 8-719-911-19 | DIODE 1SS119 | |
| C813 | 1-101-001-00 | CERAMIC | 0.001uF 50V | | | | |
| C814 | 1-101-001-00 | CERAMIC | 0.001uF 50V | D724 | 8-719-911-19 | DIODE 1SS119 | |
| C820 | 1-161-494-00 | CERAMIC | 0.022uF 25V | D725 | 8-719-911-19 | DIODE 1SS119 | |
| C821 | 1-161-494-00 | CERAMIC | 0.022uF 25V | D726 | 8-719-911-19 | DIODE 1SS119 | |
| | | | | D727 | 8-719-911-19 | DIODE 1SS119 | |
| C822 | 1-104-664-11 | ELECT | 47uF 20% 25V | D728 | 8-719-911-19 | DIODE 1SS119 | |
| C823 | 1-104-664-11 | ELECT | 47uF 20% 25V | | | | |
| C950 | 1-126-767-11 | ELECT | 1000uF 20% 16V | D801 | 8-719-986-54 | DIODE HZS24-1LTA | |
| C951 | 1-164-097-11 | CERAMIC | 0.022uF 50V | D802 | 8-719-302-38 | DIODE RBV-602-01 | |
| C952 | 1-126-960-11 | ELECT | 1uF 20% 50V | D803 | 8-719-028-23 | DIODE D3SBA20-4101 | |
| | | | | D804 | 8-719-109-85 | DIODE RD5.1ES-B2 | |
| C953 | 1-124-464-11 | ELECT | 0.22uF 20% 50V | D810 | 8-719-200-82 | DIODE 11ES2 | |
| C954 | 1-126-795-11 | ELECT | 10uF 20% 50V | | | | |
| C955 | 1-164-159-11 | CERAMIC | 0.1uF 50V | D811 | 8-719-200-82 | DIODE 11ES2 | |
| CC01 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | D812 | 8-719-200-82 | DIODE 11ES2 | |
| | | | (AEP,UK,G,EE) | D813 | 8-719-200-82 | DIODE 11ES2 | |
| CC02 | 1-162-282-31 | CERAMIC | 100PF 10% 50V | D814 | 8-719-911-19 | DIODE 1SS119 | |
| | | | (AEP,UK,G,EE) | D815 | 8-719-911-19 | DIODE 1SS119 | |

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|---------|----------|--------------|---------------------------|-----------------------|
| D817 | 8-719-933-61 | DIODE HZS9C3LTD | | Q570 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| D818 | 8-719-911-19 | DIODE 1SS119 | | Q610 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | |
| D901 | 8-719-911-19 | DIODE 1SS119 | | Q701 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| | | < EARTH > | | Q702 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| * G200 | 1-537-738-21 | TERMINAL, EARTH | | Q703 | 8-749-010-25 | IC MN2488-OPY-M | |
| * G201 | 1-537-738-21 | TERMINAL, EARTH | | Q704 | 8-749-010-26 | IC MP1620-OPY-M | |
| * G202 | 1-537-738-21 | TERMINAL, EARTH | | Q710 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | |
| * G203 | 1-537-738-21 | TERMINAL, EARTH | | Q720 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| | | < IC > | | Q721 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| IC1 | 8-759-450-86 | IC BU1922 (AEP,UK,G,EE) | | Q722 | 8-729-140-84 | TRANSISTOR 2SC1841-PAFAEA | |
| IC300 | 8-759-527-00 | IC LV1035M | | Q723 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | |
| IC302 | 8-759-636-74 | IC M5218AP-22 | | Q751 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| IC401 | 8-759-805-14 | IC LC7822 | | Q752 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | |
| IC402 | 8-759-636-74 | IC M5218AP-22 (AEP,UK,G,EE) | | Q753 | 8-749-010-25 | IC MN2488-OPY-M | |
| IC404 | 8-759-636-74 | IC M5218AP-22 | | Q754 | 8-749-010-26 | IC MP1620-OPY-M | |
| IC500 | 8-759-805-14 | IC LC7822 | | Q770 | 8-729-140-82 | TRANSISTOR 2SA988-PAFAEA | |
| IC501 | 8-759-636-74 | IC M5218AP-22 | | Q801 | 8-729-140-97 | TRANSISTOR 2SB734-34 | |
| IC502 | 8-759-636-74 | IC M5218AP-22 | | Q802 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | |
| IC551 | 8-749-011-16 | IC STK350-230 | | Q808 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| IC601 | 8-759-085-89 | IC LM3875-S | | Q809 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | |
| IC651 | 8-759-085-89 | IC LM3875-S | | Q951 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| IC701 | 8-759-326-52 | IC uPC2581V | | | | < RESISTOR > | |
| IC801 | 8-759-604-40 | IC M5F78M15 | | R5 | 1-249-421-11 | CARBON 2.2K | 5% 1/4W F |
| IC802 | 8-759-604-46 | IC M5F79M15 | | R6 | 1-247-807-31 | CARBON 100 | 5% 1/4W (AEP,UK,G,EE) |
| IC950 | 8-759-333-83 | IC NJM2103D | | R7 | 1-247-807-31 | CARBON 100 | 5% 1/4W (AEP,UK,G,EE) |
| | | < JACK > | | R300 | 1-247-903-00 | CARBON 1M | 5% 1/4W |
| J401 | 1-770-614-11 | JACK,PIN4P(PHONO/CD) (AEP,UK,G,EE) | | R303 | 1-249-439-11 | CARBON 68K | 5% 1/4W |
| J402 | 1-580-825-11 | JACK,PIN6P(TAPE MD/TV/LD) | | R304 | 1-249-411-11 | CARBON 330 | 5% 1/4W |
| J403 | 1-770-613-11 | JACK,PIN4P(VIDEO)(AEP,UK,G,EE) | | R306 | 1-249-436-11 | CARBON 39K | 5% 1/4W |
| J403 | 1-580-825-11 | JACK,PIN6P(VIDEO)(US,CND,AUS,E,SP,MY,CH) | | R307 | 1-247-862-11 | CARBON 20K | 5% 1/4W |
| | | < COIL > | | R308 | 1-249-421-11 | CARBON 2.2K | 5% 1/4W F |
| L1 | 1-410-521-11 | INDUCTOR 100uH (AEP,UK,G,EE) | | R309 | 1-249-421-11 | CARBON 2.2K | 5% 1/4W F |
| L301 | 1-410-509-11 | INDUCTOR 10uH | | R357 | 1-249-441-11 | CARBON 100K | 5% 1/4W |
| L551 | 1-420-872-00 | COIL, AIR-CORE | | R358 | 1-249-441-11 | CARBON 100K | 5% 1/4W |
| L601 | 1-420-872-00 | COIL, AIR-CORE | | R359 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W F |
| L651 | 1-420-872-00 | COIL, AIR-CORE | | R360 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W F |
| L701 | 1-420-872-00 | COIL, AIR-CORE | | R374 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| L751 | 1-420-872-00 | COIL, AIR-CORE | | R375 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| | | < IC LINK > | | R397 | 1-249-419-11 | CARBON 1.5K | 5% 1/4W F |
| △ PS800 | 1-533-588-31 | LINK, IC (AEP,UK,G,EE,E,SP,MY,CH) | | R399 | 1-249-426-11 | CARBON 5.6K | 5% 1/4W |
| | | < TRANSISTOR > | | R401 | 1-249-411-11 | CARBON 330 | 5% 1/4W (AEP,UK,G,EE) |
| Q367 | 8-729-119-78 | TRANSISTOR 2SC403SP | | R402 | 1-249-421-11 | CARBON 2.2K | 5% 1/4W F |
| Q401 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | | R403 | 1-249-417-11 | CARBON 1K | 5% 1/4W F |
| Q402 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R404 | 1-249-417-11 | CARBON 1K | 5% 1/4W F |
| Q451 | 8-729-202-67 | TRANSISTOR 2SK246-GR3 | | R405 | 1-249-417-11 | CARBON 1K | 5% 1/4W F |
| Q452 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R406 | 1-249-417-11 | CARBON 1K | 5% 1/4W F |
| Q551 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R407 | 1-249-417-11 | CARBON 1K | 5% 1/4W F |
| Q552 | 8-729-141-30 | TRANSISTOR 2SC3623A-LK | | R408 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| Q553 | 8-749-010-25 | IC MN2488-OPY-M | | R409 | 1-249-437-11 | CARBON 47K | 5% 1/4W (AEP,UK,G,EE) |
| Q554 | 8-749-010-26 | IC MP1620-OPY-M | | | | | |
| Q560 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | | | |

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

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|-------------|--------------------------------|----------|--------------|------------------------|--|
| R410 | 1-247-897-11 | CARBON | 560K 5% 1/4W (AEP,UK,G,EE) | R478 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R411 | 1-249-416-11 | CARBON | 820 5% 1/4W F (AEP,UK,G,EE) | R480 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R412 | 1-247-897-11 | CARBON | 560K 5% 1/4W (AEP,UK,G,EE) | R481 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| R413 | 1-249-437-11 | CARBON | 47K 5% 1/4W (AEP,UK,G,EE) | R482 | 1-247-883-00 | CARBON | 150K 5% 1/4W |
| R414 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R483 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R415 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R484 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R416 | 1-249-417-11 | CARBON | 1K 5% 1/4W F (AEP,UK,G,EE) | R491 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R417 | 1-247-897-11 | CARBON | 560K 5% 1/4W (AEP,UK,G,EE) | R492 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R420 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R494 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R426 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R501 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| R427 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R502 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R428 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R503 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R430 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R504 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R431 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W | R505 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R432 | 1-247-883-00 | CARBON | 150K 5% 1/4W | R508 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R433 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F | R512 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R434 | 1-249-413-11 | CARBON | 470 5% 1/4W F | R513 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R435 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F | R514 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R438 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R515 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R441 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R516 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R442 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F | R517 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R443 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F | R518 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R444 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R519 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R447 | 1-249-416-11 | CARBON | 820 5% 1/4W F | R520 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R448 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R551 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R449 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R552 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R450 | 1-249-400-11 | CARBON | 39 5% 1/4W F | R553 | 1-249-414-11 | CARBON | 560 5% 1/4W F (AEP,UK,G,EE) |
| R451 | 1-249-411-11 | CARBON | 330 5% 1/4W (AEP,UK,G,EE) | R553 | 1-249-411-11 | CARBON | 330 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| R452 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | R554 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R453 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R555 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R454 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R560 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R455 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R561 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| R456 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R562 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R457 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R563 | 1-249-414-11 | CARBON | 560 5% 1/4W F |
| R458 | 1-249-429-11 | CARBON | 10K 5% 1/4W | △ R564 | 1-249-409-11 | CARBON | 220 5% 1/4W F (AEP,UK,G,EE) |
| R459 | 1-249-437-11 | CARBON | 47K 5% 1/4W (AEP,UK,G,EE) | △ R564 | 1-249-408-11 | CARBON | 180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| R460 | 1-247-897-11 | CARBON | 560K 5% 1/4W (AEP,UK,G,EE) | △ R565 | 1-249-409-11 | CARBON | 220 5% 1/4W F (AEP,UK,G,EE) |
| R461 | 1-249-416-11 | CARBON | 820 5% 1/4W F (AEP,UK,G,EE) | △ R565 | 1-249-408-11 | CARBON | 180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| R462 | 1-247-897-11 | CARBON | 560K 5% 1/4W (AEP,UK,G,EE) | △ R566 | 1-233-352-21 | ENCAPSULATED COMPONENT | |
| R463 | 1-249-437-11 | CARBON | 47K 5% 1/4W (AEP,UK,G,EE) | △ R567 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R464 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R568 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F |
| R465 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | △ R569 | 1-249-413-11 | CARBON | 470 5% 1/4W F |
| R466 | 1-249-417-11 | CARBON | 1K 5% 1/4W F (AEP,UK,G,EE) | R570 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R467 | 1-247-897-11 | CARBON | 560K 5% 1/4W (AEP,UK,G,EE) | R571 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R469 | 1-247-903-00 | CARBON | 1M 5% 1/4W | R573 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R470 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R580 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| R476 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R581 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R477 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R582 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| | | | | R601 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| | | | | R602 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| | | | | R603 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| | | | | R604 | 1-249-414-11 | CARBON | 560 5% 1/4W F (AEP,UK,G,EE) |

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

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

| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|------------------------|--|----------|--------------|------------------------|---|
| R604 | 1-249-411-11 | CARBON | 330 5% 1/4W (US,CND,AUS,E,SP,MY,CH) | R761 | 1-249-440-11 | CARBON | 82K 5% 1/4W |
| △ R610 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R763 | 1-249-414-11 | CARBON | 560 5% 1/4W F |
| R611 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F | △ R764 | 1-249-409-11 | CARBON | 220 5% 1/4W F (AEP,UK,G,EE) |
| R612 | 1-249-437-11 | CARBON | 47K 5% 1/4W | △ R764 | 1-249-408-11 | CARBON | 180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| △ R619 | 1-249-413-11 | CARBON | 470 5% 1/4W F | △ R765 | 1-249-409-11 | CARBON | 220 5% 1/4W F (AEP,UK,G,EE) |
| R630 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | △ R765 | 1-249-408-11 | CARBON | 180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| R632 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | △ R766 | 1-233-352-21 | ENCAPSULATED COMPONENT | |
| R651 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | △ R767 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R652 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R768 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F |
| R653 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R770 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| R654 | 1-249-414-11 | CARBON | 560 5% 1/4W F (AEP,UK,G,EE) | R771 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F |
| R654 | 1-249-411-11 | CARBON | 330 5% 1/4W (US,CND,AUS,E,SP,MY,CH) | R772 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| △ R660 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R773 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R661 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F | R781 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| R662 | 1-249-437-11 | CARBON | 47K 5% 1/4W | △ R801 | 1-215-883-11 | METAL OXIDE | 33 5% 2W F |
| R701 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | △ R802 | 1-215-883-11 | METAL OXIDE | 33 5% 2W F |
| R702 | 1-249-439-11 | CARBON | 68K 5% 1/4W | △ R803 | 1-215-883-11 | METAL OXIDE | 33 5% 2W F |
| R703 | 1-249-415-11 | CARBON | 680 5% 1/4W F (AEP,UK,G,EE) | △ R804 | 1-215-883-11 | METAL OXIDE | 33 5% 2W F |
| R703 | 1-249-412-11 | CARBON | 390 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) | △ R805 | 1-215-883-11 | METAL OXIDE | 33 5% 2W F |
| R704 | 1-249-439-11 | CARBON | 68K 5% 1/4W | △ R806 | 1-215-883-11 | METAL OXIDE | 33 5% 2W F |
| R710 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | △ R807 | 1-249-405-11 | CARBON | 100 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| R711 | 1-249-440-11 | CARBON | 82K 5% 1/4W | △ R808 | 1-249-405-11 | CARBON | 100 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| R713 | 1-249-414-11 | CARBON | 560 5% 1/4W F | △ R809 | 1-249-405-11 | CARBON | 100 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| △ R714 | 1-249-409-11 | CARBON | 220 5% 1/4W F (AEP,UK,G,EE) | △ R815 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F (EXCEPT US,CND) |
| △ R714 | 1-249-408-11 | CARBON | 180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) | △ R815 | 1-247-739-11 | CARBON | 100 5% 1/2W F (US,CND) |
| △ R715 | 1-249-409-11 | CARBON | 220 5% 1/4W F (AEP,UK,G,EE) | R816 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F (AEP,UK,G,EE) |
| △ R715 | 1-249-408-11 | CARBON | 180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) | R816 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) |
| △ R716 | 1-233-352-21 | ENCAPSULATED COMPONENT | | R821 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| △ R717 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R822 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R718 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F | R823 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| △ R719 | 1-249-413-11 | CARBON | 470 5% 1/4W F | R824 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F |
| R720 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F | R825 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R721 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F | △ R830 | 1-249-413-11 | CARBON | 470 5% 1/4W F (EXCEPT CND) |
| R722 | 1-249-431-11 | CARBON | 15K 5% 1/4W | △ R830 | 1-249-411-11 | CARBON | 330 5% 1/4W (CND) |
| R723 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R950 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R724 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R951 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W F |
| R725 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F | R952 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W F |
| R726 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R953 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R727 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F | R954 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R730 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R955 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R731 | 1-247-887-00 | CARBON | 220K 5% 1/4W | R956 | 1-247-843-11 | CARBON | 3.3K 5% 1/4W |
| R734 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R957 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| △ R740 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R958 | 1-249-401-11 | CARBON | 47 5% 1/4W F |
| △ R741 | 1-249-393-11 | CARBON | 10 5% 1/4W F | R960 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R742 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F | | | | |
| R751 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | | | |
| R752 | 1-249-439-11 | CARBON | 68K 5% 1/4W | | | | |
| R753 | 1-249-415-11 | CARBON | 680 5% 1/4W F (AEP,UK,G,EE) | | | | |
| R753 | 1-249-412-11 | CARBON | 390 5% 1/4W F (US,CND,AUS,E,SP,MY,CH) | | | | |
| R754 | 1-249-439-11 | CARBON | 68K 5% 1/4W | | | | |
| R760 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | | | | |

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| | | | | | |
|-------------|----------------|------------------|-----------------|--------------|-----------------|
| MAIN | PRIMARY | SECONDARY | SP-SCREW | SP-SW | STAND BY |
|-------------|----------------|------------------|-----------------|--------------|-----------------|

| Ref. No. | Part No. | Description | Remarks |
|---------------|--------------|--|---|
| △ RF800 | 1-212-887-00 | FUSIBLE | 180 5% 1/4W F (AEP,UK,G,EE,E,SP,MY,CH) |
| RR01 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F (AEP,UK,G,EE) |
| RR51 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F (AEP,UK,G,EE) |
| < RELAY > | | | |
| RY301 | 1-515-793-11 | RELAY | |
| RY551 | 1-515-920-11 | RELAY (24V) | |
| RY601 | 1-515-920-11 | RELAY (24V) | |
| RY701 | 1-515-920-11 | RELAY (24V) | |
| RY801 | 1-755-206-11 | RELAY (EXCEPT CND) | |
| RY851 | 1-515-918-11 | RELAY (CND) | |
| RY852 | 1-515-918-11 | RELAY (CND) | |
| < TERMINAL > | | | |
| TM601 | 1-537-510-11 | TERMINAL BOARD (6P)(SURROUND SPEAKER) | |
| TM701 | 1-537-376-11 | TERMINAL BOARD (FRONT SPEAKER) (US,CND,AUS) | |
| < VIBRATOR > | | | |
| X1 | 1-579-900-21 | VIBRATOR, CRYSTAL 4.332MHz (AEP,UK,G,EE) | |
| X301 | 1-579-952-11 | VIBRATOR, CERAMIC 8MHz | |
| ***** | | | |
| * | 1-669-280-11 | PRIMARY BOARD ***** | |
| | 1-533-233-21 | HOLDER, FUSE | |
| < FUSE > | | | |
| △ F901 | 1-532-464-51 | FUSE TIME LAG 2.5A/250V (EXCEPT US,CND) | |
| △ F901 | 1-533-310-11 | FUSE, GLASS TUBE 6.3A/125V (US,CND) | |
| ***** | | | |
| * | 1-669-281-11 | SECONDARY BOARD ***** | |
| | 1-533-233-21 | HOLDER, FUSE | |
| < CONNECTOR > | | | |
| CNP801 | 1-764-479-11 | PIN, CONNECTOR (PC BOARD) 10P | |
| < FUSE > | | | |
| △ F801 | 1-532-504-51 | FUSE TIME LAG 4A/250V(EXCEPT US,CND) | |
| △ F801 | 1-576-108-11 | FUSE 4A/125V(US,CND) | |
| △ F802 | 1-532-504-51 | FUSE TIME LAG 4A/250V(EXCEPT US,CND) | |
| △ F802 | 1-576-108-11 | FUSE 4A/125V(US,CND) | |
| ***** | | | |
| * | 1-669-284-11 | SP-SCREW BOARD (AEP,UK,G,EE,E,SP,MY,CH) ***** | |
| < CAPACITOR > | | | |
| CC12 | 1-164-096-11 | CERAMIC | 0.01uF 50V |
| CC13 | 1-164-096-11 | CERAMIC | 0.01uF 50V |
| CC62 | 1-164-096-11 | CERAMIC | 0.01uF 50V |
| CC63 | 1-164-096-11 | CERAMIC | 0.01uF 50V |
| < CONNECTOR > | | | |
| CNS707 | 1-564-505-11 | PLUG, CONNECTOR 2P | |

| Ref. No. | Part No. | Description | Remarks |
|---------------|--------------|--|---------------------------|
| < RESISTOR > | | | |
| RR04 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| RR05 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| RR54 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| RR55 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| < TERMINAL > | | | |
| TMS701 | 1-537-740-11 | TERMINAL BOARD (FRONT SPEAKERS) | |
| ***** | | | |
| * | 1-669-282-11 | SP-SW BOARD ***** | |
| < CONNECTOR > | | | |
| CNP703 | 1-764-474-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| CNP704 | 1-764-473-11 | PIN, CONNECTOR (PC BOARD) 3P | |
| < JACK > | | | |
| J741 | 1-750-733-11 | JACK (LARGE TYPE)(PHONES) | |
| < RESISTOR > | | | |
| R741 | 1-247-753-11 | CARBON | 1.2K 5% 1/2W |
| R742 | 1-247-753-11 | CARBON | 1.2K 5% 1/2W |
| R791 | 1-247-753-11 | CARBON | 1.2K 5% 1/2W |
| R792 | 1-247-753-11 | CARBON | 1.2K 5% 1/2W |
| < SWITCH > | | | |
| S701 | 1-762-319-11 | SWITCH, PUSH (2 KEY)(SPEAKER A/B) | |
| ***** | | | |
| * | 1-669-279-11 | STAND BY BOARD ***** | |
| | 1-533-233-21 | HOLDER, FUSE | |
| < JACK > | | | |
| △ CNJ902 | 1-251-691-11 | OUTLET (AC) (US,CND) | |
| < CONNECTOR > | | | |
| CNP802 | 1-779-495-11 | PLUG, CONNECTOR PIN 8P | |
| CNP901 | 1-564-321-00 | PIN, CONNECTOR 2P | |
| CNP903 | 1-580-230-11 | PIN,CONNECTOR(PC BOARD)2P (EXCEPT US,CND) | |
| < DIODE > | | | |
| D816 | 8-719-911-19 | DIODE 1SS119 | |
| < FUSE > | | | |
| △ F902 | 1-532-464-51 | FUSE TIME LAG 2.5A/250V(EXCEPT US,CND) | |
| < TERMINAL > | | | |
| * G900 | 1-537-738-21 | TERMINAL, EARTH (US,CND,AUS,E,SP,MY,CH) | |
| < RESISTOR > | | | |
| △ R901 | 1-202-725-00 | SOLID | 3.3M 10% 1/2W (US,CND) |

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|--|--|

STAND BY

VIDEO

VR-TONE

| Ref. No. | Part No. | Description | Remarks |
|----------|--------------|---|---------------------------------------|
| | | < RELAY > | |
| △ RY901 | 1-755-018-11 | RELAY | |
| | | < TRANSFORMER > | |
| △ T902 | 1-431-740-11 | TRANSFORMER, POWER (US,CND) | |
| △ T902 | 1-431-739-11 | TRANSFORMER, POWER (EXCEPT US,CND) | |
| ***** | | | |
| * | 1-669-283-11 | VIDEO BOARD | |
| | | ***** | |
| | | < CAPACITOR > | |
| C260 | 1-126-960-11 | ELECT | 1uF 20% 50V |
| C261 | 1-126-960-11 | ELECT | 1uF 20% 50V |
| C262 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C263 | 1-104-664-11 | ELECT | 47uF 20% 25V |
| C264 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C265 | 1-126-924-11 | ELECT | 330uF 20% 10V |
| C266 | 1-162-215-31 | CERAMIC | 47PF 5% 50V |
| C267 | 1-162-215-31 | CERAMIC | 47PF 5% 50V |
| C268 | 1-126-960-11 | ELECT | 1uF 20% 50V |
| CC272 | 1-162-282-31 | CERAMIC | 100PF 10% 50V (AEP,UK,G,EE) |
| CC274 | 1-162-282-31 | CERAMIC | 100PF 10% 50V (AEP,UK,G,EE) |
| CC276 | 1-162-282-31 | CERAMIC | 100PF 10% 50V (AEP,UK,G,EE) |
| CC278 | 1-162-282-31 | CERAMIC | 100PF 10% 50V (AEP,UK,G,EE) |
| CC280 | 1-162-282-31 | CERAMIC | 100PF 10% 50V (AEP,UK,G,EE) |
| | | < CONNECTOR > | |
| CNP500 | 1-691-771-11 | PLUG (MICRO CONNECTOR) 9P | |
| CNS250 | 1-568-439-11 | SOCKET, CONNECTOR 7P | |
| | | < IC > | |
| IC251 | 8-759-333-84 | IC NJM2279D | |
| | | < JACK > | |
| J251 | 1-695-317-21 | JACK,PIN 2P(VIDEO/TV/LD VIDEO IN) | |
| J252 | 1-766-199-11 | JACK,PIN 3P(VIDEO OUT/VIDEO IN/MONITOR) | |
| J253 | 1-774-843-11 | JACK,PIN 1P(WOOFER AUDIO OUT) | |
| J501 | 1-779-380-11 | JACK,PIN 6P(FRONT/REAR/CENTER/WOOFER) | |
| | | < RESISTOR > | |
| R261 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| R262 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| R263 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| R264 | 1-247-804-11 | CARBON | 75 5% 1/4W |
| △ R267 | 1-249-407-11 | CARBON | 150 5% 1/4W F |
| R268 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| △ R269 | 1-247-804-11 | CARBON | 75 5% 1/4W (US,CND,AUS,E,SP,MY,CH) |
| R272 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R274 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R275 | 1-249-429-11 | CARBON | 10K 5% 1/4W |

| Ref. No. | Part No. | Description | Remarks |
|----------|--------------|------------------------------|-----------------|
| R276 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R277 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R278 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R280 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| R282 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F |
| ***** | | | |
| * | A-4407-451-A | VR-TONE BOARD, COMPLETE | |
| | | ***** | |
| | | < CAPACITOR > | |
| C220 | 1-126-301-11 | ELECT | 1uF 20% 50V |
| C221 | 1-126-301-11 | ELECT | 1uF 20% 50V |
| C361 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C362 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C363 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C364 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C365 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C366 | 1-164-159-11 | CERAMIC | 0.1uF 50V |
| C381 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C382 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C383 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C384 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C385 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C421 | 1-137-440-11 | FILM | 0.018uF 5% 50V |
| C422 | 1-124-463-00 | ELECT | 0.1uF 20% 50V |
| C423 | 1-137-368-11 | FILM | 0.0047uF 5% 50V |
| C424 | 1-137-372-11 | FILM | 0.022uF 5% 50V |
| C471 | 1-137-440-11 | FILM | 0.018uF 5% 50V |
| C472 | 1-124-463-00 | ELECT | 0.1uF 20% 50V |
| C473 | 1-137-368-11 | FILM | 0.0047uF 5% 50V |
| C474 | 1-137-372-11 | FILM | 0.022uF 5% 50V |
| | | < CONNECTOR > | |
| CNP202 | 1-770-393-11 | PIN, CONNECTOR (PC BOARD) 9P | |
| CNS402 | 1-568-442-11 | SOCKET, CONNECTOR 9P | |
| CNS502 | 1-568-443-11 | SOCKET, CONNECTOR 13P | |
| | | < DIODE > | |
| D238 | 8-719-046-39 | DIODE SEL5821A-TH15 (MUTING) | |
| | | < TRANSISTOR > | |
| Q361 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| Q362 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| Q363 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| Q364 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| Q365 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| Q366 | 8-729-141-30 | TRANSISTOR | 2SC3623A-LK |
| | | < RESISTOR > | |
| R229 | 1-249-406-11 | CARBON | 120 5% 1/4W F |
| R351 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R352 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R353 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R354 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |

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|--|--|
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|--|--|

VR-TONE

10 KEY

| Ref. No. | Part No. | Description | Remarks |
|-----------------------|--------------|--|---------|
| R355 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R356 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R361 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R362 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R363 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R364 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R365 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R366 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R367 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R368 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R369 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R370 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R371 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R372 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| R421 | 1-249-430-11 | CARBON 12K 5% | 1/4W |
| R422 | 1-249-422-11 | CARBON 2.7K 5% | 1/4W F |
| R423 | 1-247-903-00 | CARBON 1M 5% | 1/4W |
| R424 | 1-247-903-00 | CARBON 1M 5% | 1/4W |
| R425 | 1-249-415-11 | CARBON 680 5% | 1/4W F |
| R471 | 1-249-430-11 | CARBON 12K 5% | 1/4W |
| R472 | 1-249-422-11 | CARBON 2.7K 5% | 1/4W F |
| R473 | 1-247-903-00 | CARBON 1M 5% | 1/4W |
| R474 | 1-247-903-00 | CARBON 1M 5% | 1/4W |
| R475 | 1-249-415-11 | CARBON 680 5% | 1/4W F |
| < VARIABLE RESISTOR > | | | |
| RV404 | 1-225-446-11 | RES, VAR, CARBON 100KX6 (MASTER VOLUME) | |
| RV421 | 1-223-362-11 | RES, VAR, CARBON 100K/100K (BASS) | |
| RV422 | 1-223-363-11 | RES, VAR, CARBON 125K/125K (TREBLE) | |
| RV423 | 1-225-447-11 | RES, VAR, CARBON 100K/100K (BALANCE) | |
| < SWITCH > | | | |
| S240 | 1-762-751-11 | SWITCH, TACTILE | |

* 1-669-276-11 10 KEY BOARD

< CONNECTOR >

CNS205 1-770-397-11 HOUSING, CONNECTOR(PC BOARD)4P

< RESISTOR >

| | | | |
|------|--------------|----------------|--------|
| R232 | 1-249-411-11 | CARBON 330 5% | 1/4W |
| R233 | 1-249-413-11 | CARBON 470 5% | 1/4W F |
| R234 | 1-249-415-11 | CARBON 680 5% | 1/4W F |
| R235 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R236 | 1-249-419-11 | CARBON 1.5K 5% | 1/4W F |
| R237 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R238 | 1-247-843-11 | CARBON 3.3K 5% | 1/4W |
| R239 | 1-249-411-11 | CARBON 330 5% | 1/4W |
| R240 | 1-249-413-11 | CARBON 470 5% | 1/4W F |
| R241 | 1-249-415-11 | CARBON 680 5% | 1/4W F |
| R242 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R243 | 1-249-419-11 | CARBON 1.5K 5% | 1/4W F |
| R244 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R245 | 1-247-843-11 | CARBON 3.3K 5% | 1/4W |
| R246 | 1-249-411-11 | CARBON 330 5% | 1/4W |

| Ref. No. | Part No. | Description | Remarks |
|------------------------|--------------|--|---------|
| R247 | 1-249-413-11 | CARBON 470 5% | 1/4W F |
| R248 | 1-249-415-11 | CARBON 680 5% | 1/4W F |
| R249 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R250 | 1-249-419-11 | CARBON 1.5K 5% | 1/4W F |
| R251 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R252 | 1-247-843-11 | CARBON 3.3K 5% | 1/4W |
| R253 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| < SWITCH > | | | |
| S217 | 1-554-303-21 | SWITCH, TACTILE (EFFECT/DELAY) | |
| S218 | 1-554-303-21 | SWITCH, TACTILE (SURROUND ON/OFF) | |
| S219 | 1-554-303-21 | SWITCH, TACTILE (BASS BOOST) | |
| S220 | 1-554-303-21 | SWITCH, TACTILE (PHONES)(AEP,UK,G,EE) | |
| S221 | 1-554-303-21 | SWITCH, TACTILE (TUNER) (AEP,UK,G,EE) | |
| S222 | 1-554-303-21 | SWITCH, TACTILE (TV/LD) | |
| S223 | 1-554-303-21 | SWITCH, TACTILE (VIDEO) | |
| S224 | 1-554-303-21 | SWITCH, TACTILE (SHIFT) | |
| S225 | 1-554-303-21 | SWITCH, TACTILE (6) | |
| S226 | 1-554-303-21 | SWITCH, TACTILE (7) | |
| S227 | 1-554-303-21 | SWITCH, TACTILE (8) | |
| S228 | 1-554-303-21 | SWITCH, TACTILE (9) | |
| S229 | 1-554-303-21 | SWITCH, TACTILE (0) | |
| S230 | 1-554-303-21 | SWITCH, TACTILE (SET UP) | |
| S231 | 1-554-303-21 | SWITCH, TACTILE (CD) (AEP,UK,G,EE) | |
| S232 | 1-554-303-21 | SWITCH, TACTILE (DIRECT TUNING) | |
| S233 | 1-554-303-21 | SWITCH, TACTILE (1) | |
| S234 | 1-554-303-21 | SWITCH, TACTILE (2) | |
| S235 | 1-554-303-21 | SWITCH, TACTILE (3) | |
| S236 | 1-554-303-21 | SWITCH, TACTILE (4) | |
| S237 | 1-554-303-21 | SWITCH, TACTILE (5) | |
| S238 | 1-554-303-21 | SWITCH, TACTILE (TAPE/MD) | |
| S239 | 1-554-303-21 | SWITCH, TACTILE (MODE) | |
| S241 | 1-762-751-11 | SWITCH, TACTILE (TUNER) (US,CND,AUS,E,SP,MY,CH) | |
| S242 | 1-762-751-11 | SWITCH, TACTILE (CD) (US,CND,AUS,E,SP,MY,CH) | |
| S243 | 1-554-303-21 | SWITCH, TACTILE (5.1/DVD INPUT) | |
| ***** | | | |
| MISCELLANEOUS ***** | | | |
| 12 | 1-782-086-11 | WIRE (FLAT TYPE) (27 CORE) | |
| 13 | 1-769-911-11 | WIRE (FLAT TYPE) (9 CORE) | |
| 14 | 1-769-972-11 | WIRE (FLAT TYPE) (13 CORE) | |
| △ 58 | 1-777-071-21 | CORD, POWER (E,SP,MY,CH) | |
| △ 58 | 1-783-203-11 | CORD, POWER (AUS) | |
| △ 58 | 1-783-204-11 | CORD, POWER (US,CND) | |
| 63 | 1-693-407-41 | TUNER (US,CND) | |
| 63 | 1-693-408-41 | TUNER (AUS,AEP,UK,G,E,SP,MY,CH) | |
| 63 | 1-693-411-41 | TUNER (EE) | |
| 64 | 1-782-080-11 | WIRE (FLAT TYPE) (15 CORE) | |
| 65 | 1-782-074-11 | WIRE (FLAT TYPE) (7 CORE) | |
| △ CNJ902 | 1-251-416-11 | OUTLET, AC (AUS) | |
| △ CNJ902 | 1-526-794-11 | OUTLET, AC (AEP,G,EE,E,SP,MY,CH) | |
| △ T901 | 1-431-267-11 | TRANSFORMER, POWER (US) | |
| △ T901 | 1-431-268-11 | TRANSFORMER, POWER (CND) | |

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| Ref. No. | Part No. | Description | Remarks |
|----------|--------------|----------------------------------|---------|
| △ T901 | 1-431-270-11 | TRANSFORMER, POWER (AUS) | |
| △ T901 | 1-431-791-11 | TRANSFORMER, POWER (AEP,UK,G,EE) | |
| △ T901 | 1-431-792-11 | TRANSFORMER, POWER (E,SP,MY,CH) | |

ACCESSORIES & PACKING MATERIALS

| | | |
|--------------|---------------------------------------|---|
| 1-475-710-11 | REMOTE COMMANDER RM-U302 | (EXCEPT CND) |
| 1-501-374-11 | ANTENNA, LOOP | |
| 1-501-594-11 | ANTENNA (FM)(EXCEPT US,CND) | |
| 4-981-643-11 | BATTERY COVER (FOR RM-U302) | (EXCEPT CND) |
| 4-987-977-01 | BATTERY COVER (FOR RM-PP401) (CND) | |
| 8-917-634-90 | REMOTE COMMADER RM-PP401(CND) | |
| 3-862-354-11 | MANUAL, INSTRUCTION | (ENGLISH, FRENCH, GERMAN, DUTCH, ITALIAN) |
| 3-862-354-21 | MANUAL, INSTRUCTION (ENGLISH) | |
| 3-862-354-31 | MANUAL, INSTRUCTION (ENGLISH, FRENCH) | |
| 3-862-354-41 | MANUAL, INSTRUCTION | (SPANISH, SWEDISH, FINNISH, DANISH, PORTUGUESE) |
| 3-862-354-51 | MANUAL, INSTRUCTION | (ENGLISH, RUSSIAN, POLISH) |
| 3-862-354-61 | MANUAL, INSTRUCTION | (ENGLISH, FRENCH, SPANISH, CHINESE) |

HARDWARE LIST

| | | | |
|----|--------------|-------------|------------------|
| #1 | 7-685-646-79 | SCREW +BVTP | 3 × 8 TYPE2 IT-3 |
| #2 | 7-685-881-09 | SCREW +BVTT | 4 × 8 (S) |
| #3 | 7-685-872-09 | SCREW +BVTT | 3 × 8 (S) |

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