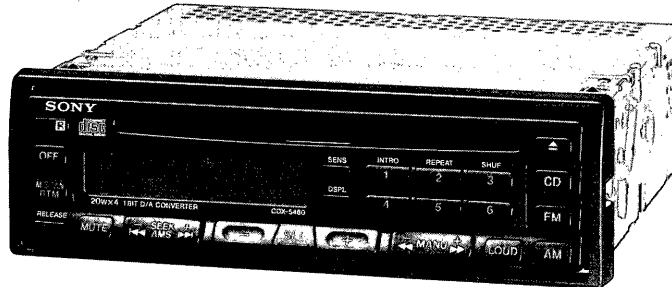


CDX-5460

SERVICE MANUAL

US Model
Canadian Model
E Model



SEE ADDITIONAL
INFORMATION

COMPACT
disc
DIGITAL AUDIO

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-205Z-130

SPECIFICATIONS

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	20 W × 4 (at 4 ohms)* * Measured at 14.4 V

CD player section

System	Compact disc digital audio system
Frequency response	10 – 20,000 Hz ±3 dB
Wow and flutter	Below the measurable limit
Signal-to-noise ratio	90 dB
Laser Diode Properties	
Material	GaAlAs
Wavelength	780 nm
Emission duration	Continuous
Laser out-put power	Less than 44.6 μW*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

Tuner section

FM

Tuning range	87.5 – 107.9 MHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Sensitivity	12 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 70 dB (mono)
Harmonic distortion at 1 kHz	0.5% (stereo), 0.3% (mono)
Separation	35 dB
Frequency response	30 – 15,000 Hz ±3 dB

AM

Tuning range	530 – 1,710 kHz
Antenna terminal	External antenna connector
Intermediate frequency	450 kHz
Sensitivity	30 μV
Signal-to-noise ratio	55 dB
Harmonic distortion at 1 kHz	0.3%

General

Tone controls	Bass ±10 dB at 100 Hz Treble ±10 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Current drain	1 A (CD playback) 1.5 A (during disc loading or eject)
Operating temperature	–10°C to 50°C (15°F to 120°F)
Dimensions	Approx. 178 × 50 × 155 mm (w/h/d) (7 1/8 × 2 × 6 1/8 in.) not incl. projecting parts and controls
Mass	Approx. 1.5 kg (3 lb 5 oz.)

Design and specifications subject to change without notice.

FM/AM COMPACT DISC PLAYER
SONY



TABLE OF CONTENTS

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SERVICING NOTES

Laser Diode Properties

- Material: GaAlAs
- Wavelength: 780 nm
- Emission Duration: continuous
- Laser Output Power: less than 44.6 μ W*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS 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.

Features

General

- **Detachable-front panel** enables you to take the front panel away with you when you leave your car. (page 9)
- **Switchable two color illumination*** (amber and green). (page 7)
- **Provided with a digital 12-hour clock.** (page 10)
- **Caution alarm*** will be activated if you turn off the ignition key without removing the front panel from the unit.
- **With the built-in high power amplifier (max. output: 4 ch x 20 W (CDX-5460 and CDX-5260) 4 ch x 8 W (CDX-5060)),** you can enjoy a 4-speaker system.
- **Line outputs** for connecting an optional power amplifier.
- **Telephone-mute function*** for decreasing the volume automatically with a telephone call.
- **Optional wireless remote commander*** can be used.

Tuner section

- **SSIR (Sony Super Interference Rejection) PLL (Phase-Locked Loop) synthesizer tuner.**
- **Up to 24 stations** can be preset: 18 stations on FM and 6 stations on AM.
- **BTM (Best Tuning Memory) function** automatically selects and stores the stations with strong signals on the preset number buttons in order of frequency. (page 14)

CD section

- **1 bit DAC (Digital-to-Analog Converter) for a clear sound reproduction.**
- **Quick recovery mechanism** for preventing sound skipping.
- **Shuffle play function** for playing tracks in random order. (page 12)
- **Intro scan function** for playing the first 10 seconds of each track. (page 12)
- **Repeat play function** for listening to a currently playing track repeatedly. (page 12)
- **CDX-5460 only**

Precautions

- Before operating the unit for the first time or after replacing the car battery, press the reset button with a ball-point pen etc., then start operating the unit.
- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a 2-speaker system, set the fader control to the center position.
- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

Note on moisture condensation

On a rainy day or in a very damp environment, moisture in the atmosphere may condense on the lenses inside the unit. Should this occur, the unit may not operate properly. In such a case, remove the disc inside and wait for about an hour or so until the moisture has evaporated.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Notes on Discs

Handle the disc by its edge, and to keep the disc clean, do not touch the surface.



This way

Do not attach any paper or tape.



Not this way

Do not expose the disc to direct sunlight or heat sources such as hot air-ducts, or leave it in a car parked in direct sunlight where there can be a considerable rise in temperature.

Cleaning Discs

Before playing, clean the disc with an optional cleaning cloth.

Wipe the disc in the direction of the arrows.

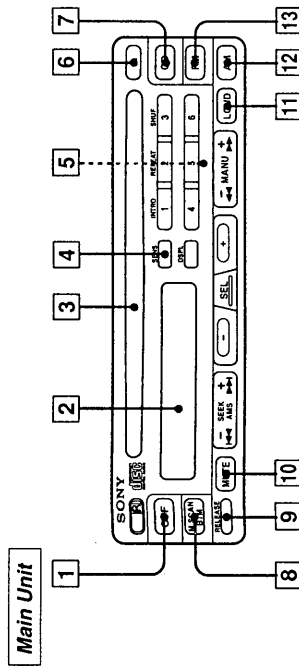


Do not use solvents such as benzine, thinner, commercially available cleaners or antistatic spray intended for analog discs.

SECTION 1 GENERAL

This section is extracted from instruction manual.

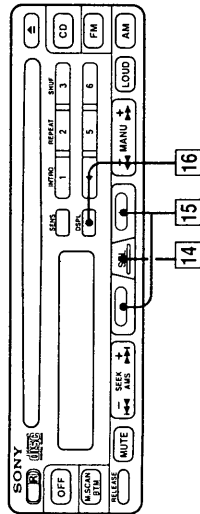
Location and Function of Controls



Refer to the pages in ● for details.

- 1 OFF button**
Press to turn off the unit.
- 2 Display window**
- 3 Disc insertion slot**
- 4 SENS (sensitivity) button**
- 5 Reset button (located on the front side of the unit hidden by the front panel)**
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function. Note that when the button is pressed, the memories on the preset number buttons will be erased.
- 6 (eject) button**
- 7 CD (disc play) button**
- 8 M.SCAN/BTM (memory scan/best tuning memory) button**
- 9 RELEASE (front panel release) button**
- 10 MUTE button**
Press to mute the sound momentarily. Press again to restore the previous volume level. This button will also be canceled in the following cases:
— when the (⊕) or OFF button is pressed
— when the Ignition key of your car has been turned to the OFF position for more than ten seconds.
- 11 LOUD (loudness) button**
Press to reinforce the bass and treble especially when listening at a low volume level. To cancel the mode, press it again.
- 12 AM (radio on) button**
- 13 FM (radio on/band select) button**
At each pressing, the button changes the band cyclically as follows:
FMI → FMII → FMIII → FMI

Location and Function of Controls



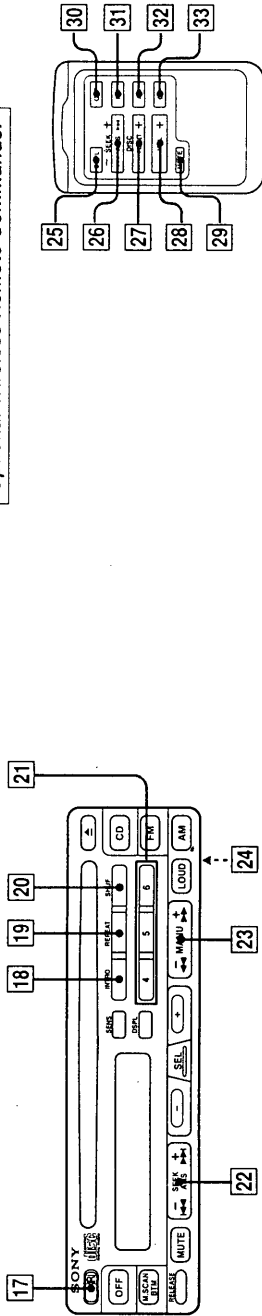
- 14 SEL (control mode select) button**
Press to select the desired control mode: BAS (bass), TRE (treble), BAL (balance), FAD (fader) or VOL (volume).
(⊖) ⊕ (volume/bass/treble/balance/fader control) buttons
Press to adjust each mode.
- 15 DSPL (display change/time set) button**
At each pressing, the button changes the display modes as follows:
During CD play
Elapsed playing time/track number
↔ Clock
During radio reception
Frequency ↔ Clock

Display window	Control mode	Press
BAS	Bass control	For less bass
TRE	Treble control	For less treble
BAL	Balance control	To decrease the right-speakers' volume To decrease the left-speakers' volume
FAD	Fader control	To decrease the rear-speakers' volume To decrease the front-speakers' volume
VOL	Volume control	For less volume For more volume

These (⊖) ⊕ buttons normally function as the volume control. Adjust the level within three seconds after selecting the desired control mode with the SEL button. Otherwise, the mode will go back to the volume control mode.

Location and Function of Controls

Optional Wireless Remote Commander



17 Receptor for the optional wireless remote commander (CDX-5460 only)

	During CD play	During radio reception
18	INTRO button 1	Intro scan 12
19	REPEAT button 2	Repeat play 12
20	SHUF button 3	Shuffle play 12
21	SEEK/AMS button	AMS (Automatic Music Sensor) function
22	MANU button	Manual search
23		Manual tuning 13

24 POWER SELECT switch (located on the bottom of the unit)
See "POWER SELECT Switch" in the installation/connections manual.

Changing the illumination color

Press the button while pressing the SEL button.

Muting the beep tone

Press the button while pressing the SEL button. To obtain the beep tone again, press these buttons once more.

Different function buttons

- 27 PRESET (preset search) button
Press lightly to receive in order the stations memorized on the preset number buttons.
At each pressing, the number changes as follows:
+ : 1 → 2 → 3 → 4 → 5 → 6 → 1...
- : 1 → 6 → 5 → 4 → 3 → 2 → 1...
28 VOL (volume) button
This button adjusts only the volume level.

Buttons of the same function as those on the main unit

25 DSPL (display change) button	During CD play	During radio reception
26 AMS (Automatic Music Sensor) button	AMS (Automatic Music Sensor) button	SEEK (automatic tuning) button 13
29 MUTE button	MUTE button	
30 OFF button	OFF button	
31 FM (radio on/band select) button 13	FM (radio on/band select) button 13	
32 AM (radio on) button 13	AM (radio on) button 13	
33 CD (disc play) button 11	CD (disc play) button 11	

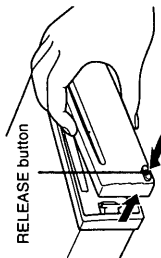
When the POWER SELECT switch is set to the OFF position, the unit cannot be operated with the wireless remote commander unless one of the CD, FM and AM buttons of the unit is pressed or a disc is inserted to activate the unit first.

Detaching and Attaching the Front Panel

The front panel of this unit can be detached in order to prevent the unit from being stolen.

Detaching the Front Panel

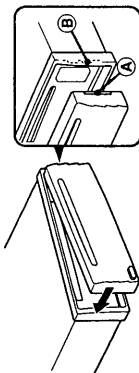
Before detaching the front panel, be sure to press the OFF button first. Then press the RELEASE button to open up the front panel and detach the panel by pulling it towards you as illustrated.



Be sure not to drop the panel when detaching it from the unit.

Attaching the Front Panel

Apply the right hand side of the front panel to the unit by attaching the part (A) of the front panel to the part (B) of the unit as illustrated and push until it clicks.



Caution alarm

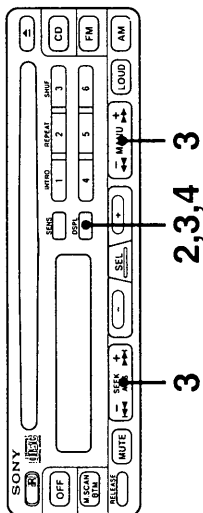
If you turn your ignition key to the OFF position without removing the front panel, the caution alarm will be activated and a beep tone will be heard for a few seconds (only when the POWER SELECT switch is set to the ON position).

Notes

- Make sure that the front panel is the right way up when attaching it to the unit as it cannot be attached upside down.
- Do not press the front panel hard against the unit when attaching it to the unit. It can be easily attached by pressing it lightly against the unit.
- When you carry the front panel with you, put it in the supplied front panel case.
- Do not press hard or give excessive pressure to the display window of the front panel.
- Before removing the front panel, be sure to turn the power off. However, if you press the RELEASE button to detach the panel while the unit is turned on, the power will be automatically turned off in order to protect the speakers from being damaged.
- Do not expose the front panel to direct sunlight, heat sources such as hot air ducts or leave it in a humid place. Never leave it on the dashboard etc. of a car parked in direct sunlight where there may be a considerable rise in temperature inside the car.

Setting the Clock

The clock has a 12-hour digital indication.



For example, set it to 10:08.

1 Turn the ignition key to the ON position.

2 Press the DSPL button if the clock indication does not appear.

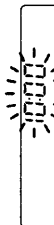


3 Press the DSPL button for more than two seconds.

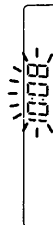


While holding down the DSPL button

Press the **SEEK** button to set the hour digits.
(to go back) (to go forward)



Press the **MANU** button to set the minute digits.
(to go back) (to go forward)



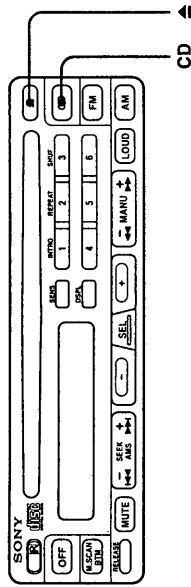
4 The clock starts activating when you take your finger off the DSPL button.



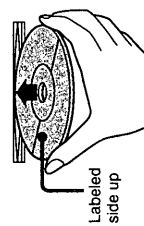
Notes

- You cannot set the clock with the optional wireless remote commander (CDX-5460 only).
- If the POWER SELECT switch of the unit is set to the OFF position, the clock cannot be set unless the power is turned on. Set the clock after you have turned on the radio or start CD play.

Playing a CD

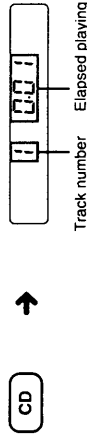


Insert a disc into the slot.



When a disc is inserted, CD play will automatically start.

If a disc is already inserted, press the CD button.



Ejecting the Disc

Press the **▲** button.

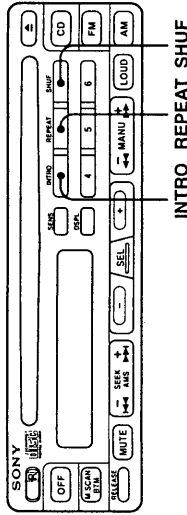
If you press the FM or AM button during CD play

The CD play will stop automatically and the tuner will be activated.

Important

Since the CD system offers a wide dynamic range, the peaks of the high level inputs are recorded with high fidelity and the noise level is very low. Do not turn up the volume while listening to a section with no audio signals or very low level inputs. If you do so, the speakers may be damaged when a section with a peak signal is played.

Playing in Other Modes



Playing the Beginning of Tracks — Intro Scan Function

Press the **INTRO** button to play the first 10 seconds of each track in order.
To cancel the function, press it again.

Playing Repeatedly — Repeat Play Function

Press the **REPEAT** button to repeat the same track.
To cancel the function, press it again.

Playing in Random Order — Shuffle Play Function

Press the **SHUFFLE** button to play the tracks in random order.
To cancel the function, press it again.

Notes

- If a disc is already loaded in the unit, never try to insert another disc.
- If you leave the ejected disc in the disc insertion slot after you have pressed the **▲** button, the disc will be automatically retracted into the unit after approximately 15 seconds in order to protect it.
- To play a 3-inch (8 cm) CD, use the Sony CSA-8 adaptor (not supplied).
- If the MANU button is kept pressed and the end of the disc has been reached, "L L L L L" will appear on the display window. Likewise if the beginning of the disc has been reached, "L L L L L" will appear on the display window.

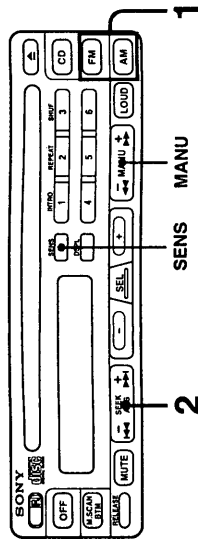
At the end of the disc

The track number returns to "1" and CD play is repeated from the beginning of the disc.

Note

If the INTRO button is pressed during shuffle play, the first 10 seconds of every track will be played randomly.

Tuning in a Station



Searching for the Stations Automatically

— Automatic Tuning

1 Select the desired band.



2 Press the SEEK button.



The scanning stops when a station is received. Press the button repeatedly until the desired station is received.

Tuning in by Adjusting the Frequency

— Manual Tuning

Select the desired band, then press the MANU button.



PREVENTING ACCIDENTS!

While you are driving, the use of the Automatic Tuning and the Memory Preset Tuning is recommended in favor of the Manual Tuning.

When an FM stereo program with a sufficient signal strength is tuned in



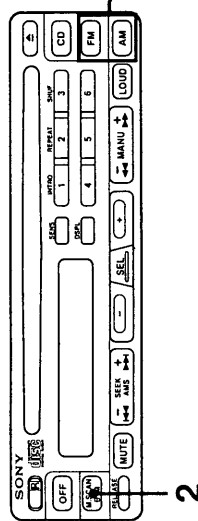
The "STEREO" indication will appear.

Avoiding the automatic tuning from stopping on stations too frequently (Local Seek Mode)
Press the SENS button lightly to get the "LOCAL" indication. Only the stations with relatively strong signals can be tuned in. The local seek mode functions only when the Automatic Tuning is in operation.

If FM stereo broadcasting is difficult to receive (Monaural Mode)
Press the SENS button lightly to get the "MONO" indication. The sound will improve, but it will become monaural.

Note
You cannot use the manual tuning with the optional wireless remote commander (CDX-5460 only).

Using the Memory Preset Function



Best receiving stations are automatically searched and memorized on each band (FMI, FMII, FMIII and AM). Up to 6 stations on each band can be stored on the preset number buttons 1 to 6 in order of frequency.

Memorizing the Stations Automatically

— BTM (Best Tuning Memory) Function

1 Select the desired band.



2 Keep the BTM button pressed for more than two seconds.



The receivable frequency ranges of the FM bands (FMI, FMII, FMIII) are the same. Therefore, 18 stations can be memorized on FM.

Note

There may be cases where there are not enough receivable stations due to the lack of stations in the vicinity or weak broadcasting signals. In such cases, the BTM operation may stop without all the buttons being occupied with memories.

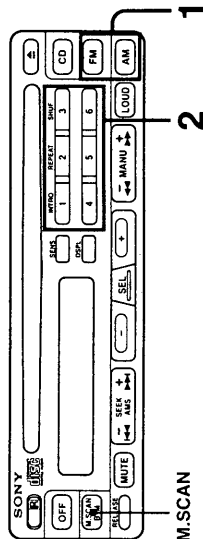
The BTM function

The BTM function searches all the receivable stations within the currently selected band and memorizes the ones in good receiving conditions in sequence from the lowest frequency.

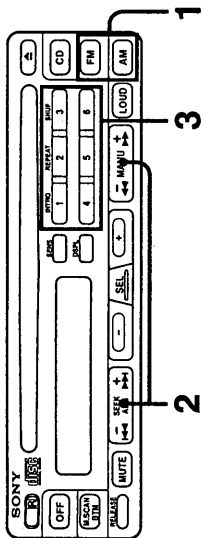
How to memorize the stations on the preset number buttons

- When there is no preset number indicated on the display window: all the preset number buttons set in the currently selected band will be filled with the memories.
- When there is a preset number indicated on the display window: the unit will memorize the stations on the preset number buttons from the one currently being displayed. For example, when you choose FMII and preset number 3 is being displayed, the operation will start from preset number 3 on FMII, and stops at preset number 6 on FMIII.

Using the Memory Preset Function



Up to 6 stations on each band (FM, FMII, FMIII and AM) can be stored on the preset number buttons in order of your choice.



Memorizing Only the Desired Stations

For example, store a station on the preset number button 1.

- 1 Select the desired band.
FM AM
- 2 Tune in the station which you wish to store on the preset number button.
SEEK FWD OR MANU
- 3 Keep the preset number button pressed for about two seconds until the "MEM" indication appears on the display window.
1 FM 87.9 MEM

The number of the pressed preset number button now appears on the display window. When the "MEM" indication appears, the station is stored in the memory and the operation is now completed. The "MEM" indication goes off after a while.

Repeat the same procedure to store other stations.

Each preset number button has only one memory location per band. If you try to store another station on the same preset number button, the previously stored station will be erased.

Receiving the Memorized Stations

- 1 Select the desired band.
FM AM
- 2 Press the desired preset number button lightly.
1 6

Note
If you keep pressing the preset number button for more than two seconds, the currently received station will be memorized again. To receive the previously memorized station, make sure that the preset number button is pressed only lightly.

Checking in Order, All the Stations Stored in the Memory — Memory Scan Function

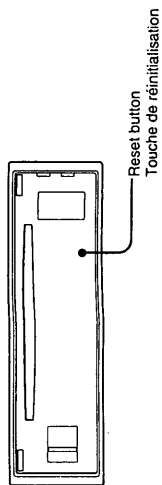
Press the M.SCAN button lightly.

The tuner will receive in order, all the stations stored in the memory for five seconds each. To cancel the function, press the button lightly once more.

Note
There may be cases where even the stations which are stored in the memory cannot be received due to weak signals in the vicinity of your car.

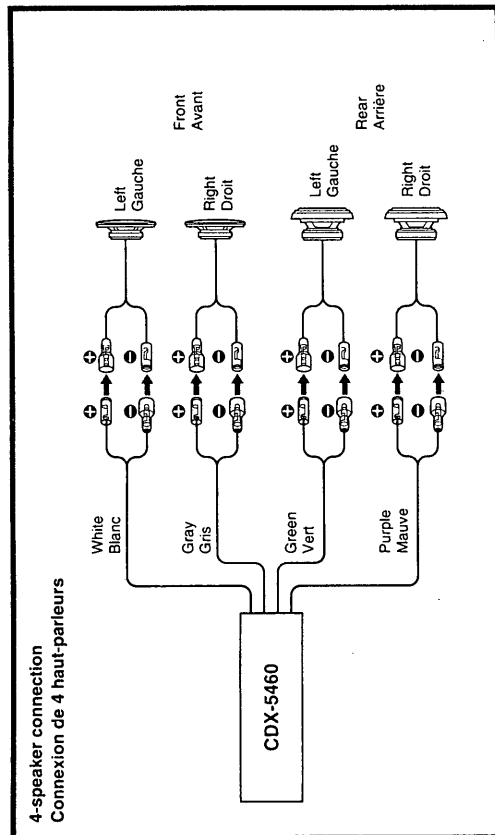
Reset Button

When the installation and connections are over, be sure to press the reset button with a ball-point pen etc. The reset button is located on the left of the connector on the unit side when the front panel is detached.



Speaker Connection

Connexion des haut-parleurs

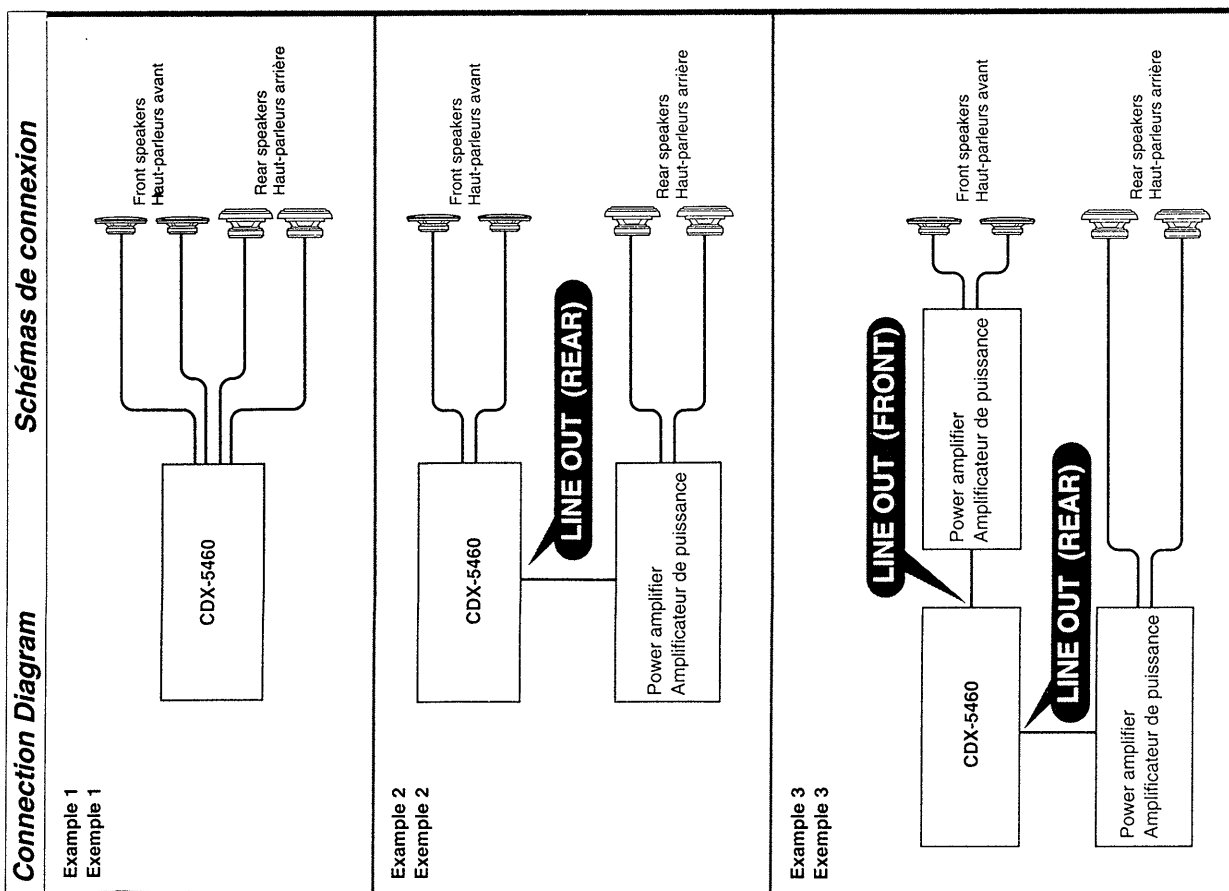


Notes on speaker connection

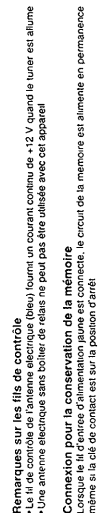
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.
- Do not attempt to connect the speakers in parallel.
- Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.

Remarques sur la connexion des haut-parleurs

- Utiliser des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.
- Ne pas raccorder les bornes du système de haut-parleurs au châssis de la voiture et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.
- Ne pas tenter de raccorder les haut-parleurs en parallèle.
- Ne pas raccorder des haut-parleurs actifs (avec amplificateurs intégrés) aux bornes de haut-parleur de l'appareil sous peine de les endommager. Veiller à raccorder des haut-parleurs passifs à ces bornes.



Exemple de connexion

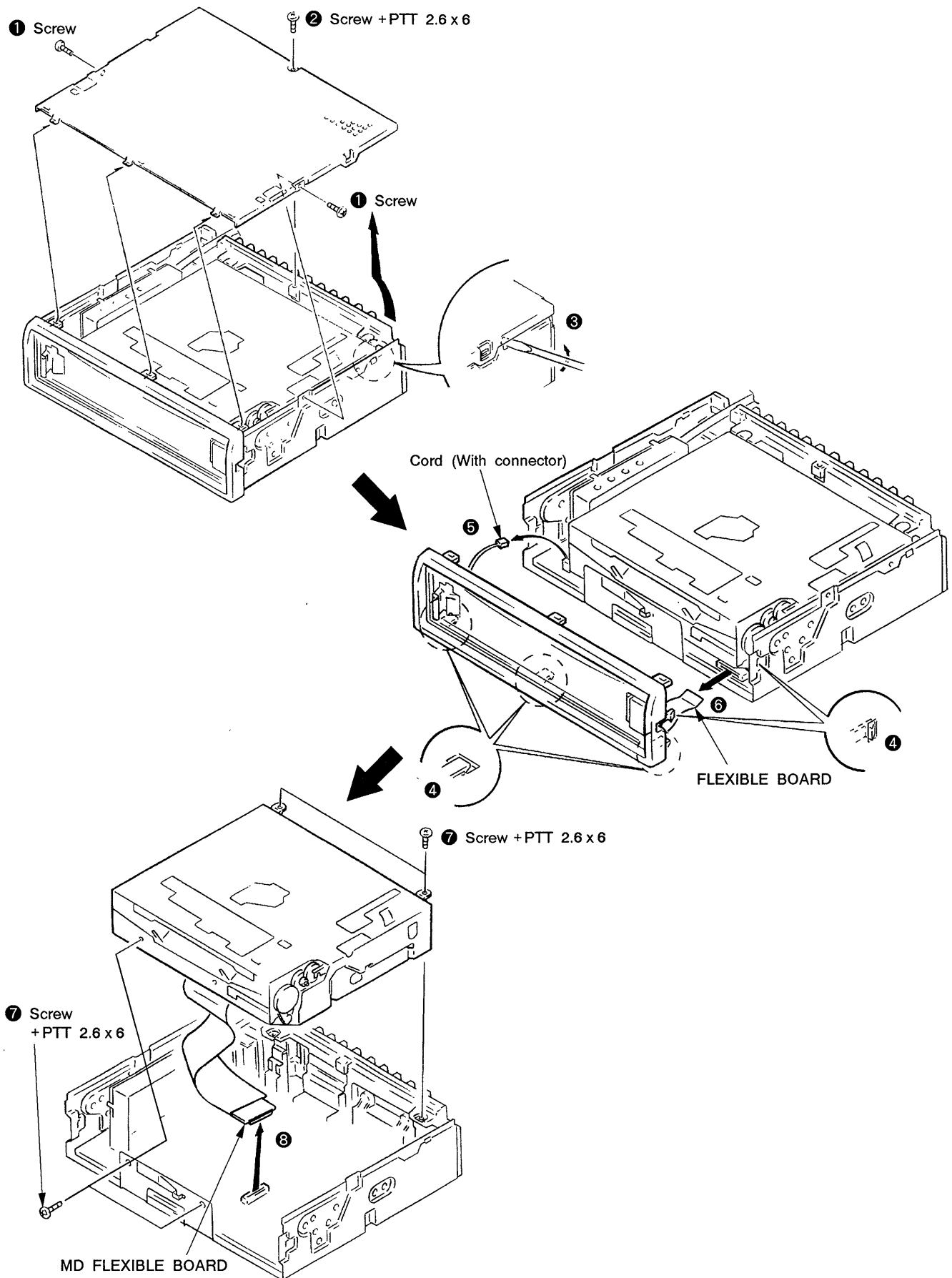


Installation in the dashboard
Installation dans le tableau de bord.



SECTION 2 DISASSEMBLY

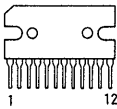
Note: Follow the disassembly procedure in the numerical order given.



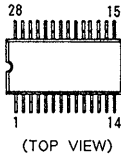
SECTION 3
DIAGRAMS

3-1. SEMICONDUCTOR LEAD LAYOUTS

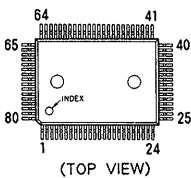
BA3910



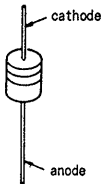
CXD8451M



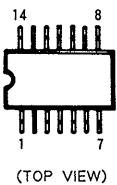
μ PD75518GF-089-3B9



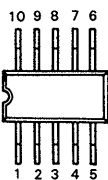
MTZJ-3.9B
MTZJ-5.1B
MTZJ-5.6B
MTZJ-6.2B
MTZJ-6.8B
MTZJ-6.8C
MTZJ-12



BU4081BF
SN74HC02ANS



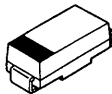
LB1638M



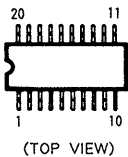
ST-308



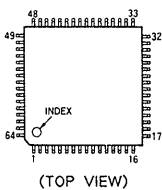
SFPB-74V



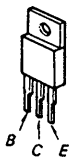
CXA1610M
LC7216M
MPC1730MR2



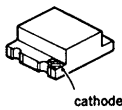
LC7582



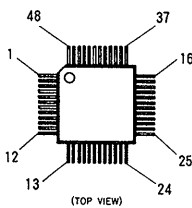
2SD2012
2SD2394-G



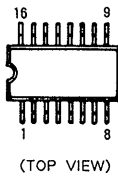
CL-155Y/PG-CD



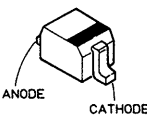
CXA1646Q



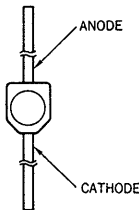
MPC1732MR2



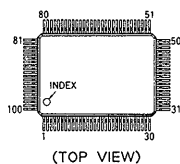
DTZ6.8B



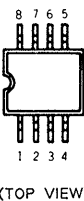
EL-308



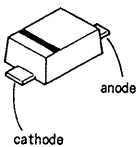
CXD2515Q



NJM4558M
RC5532M



MA8051-H

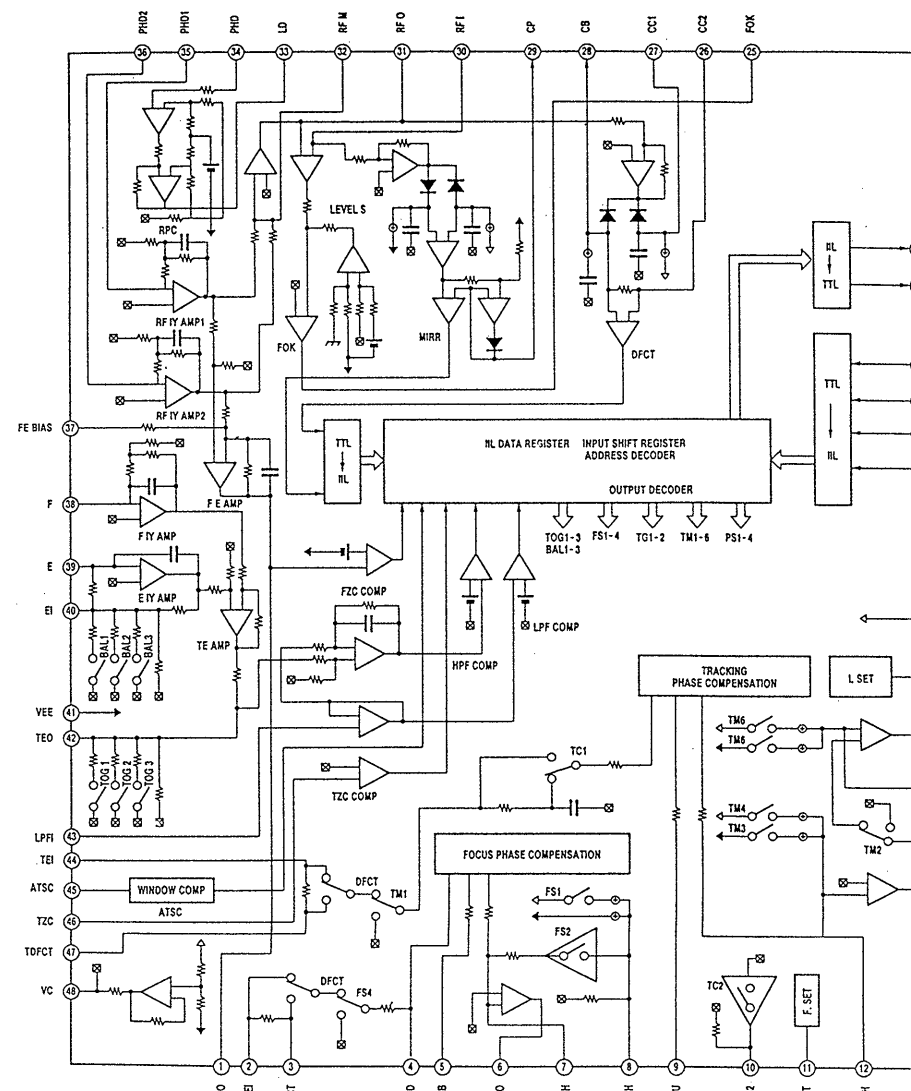


SECTION 5 DIAGRAMS

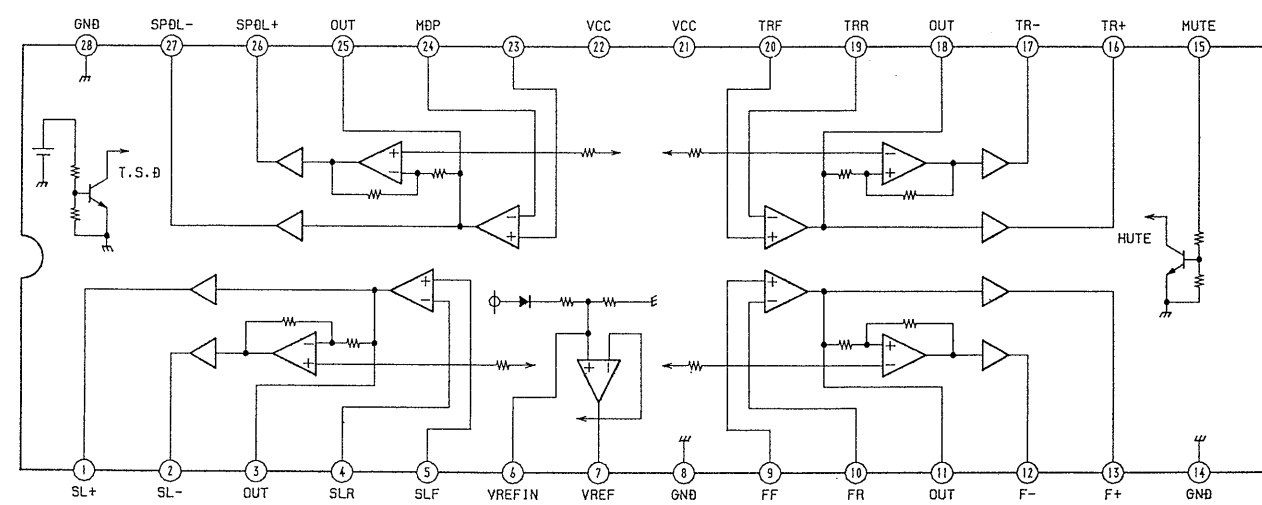
• IC Block Diagrams

— COMPACT DISC CHANGER SECTION —

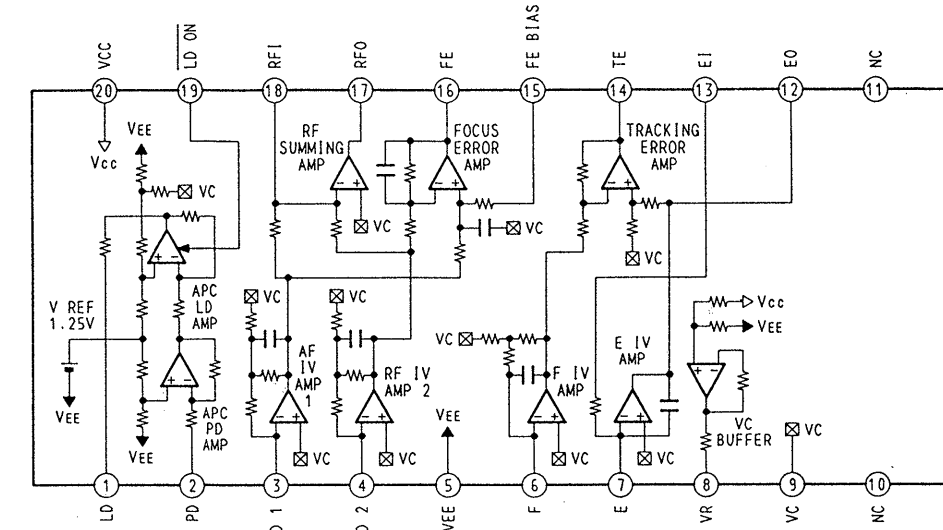
IC11 CXA1782BQ (CDX-52, CDX-52RF: AEP, UK, German, E, Taiwan)



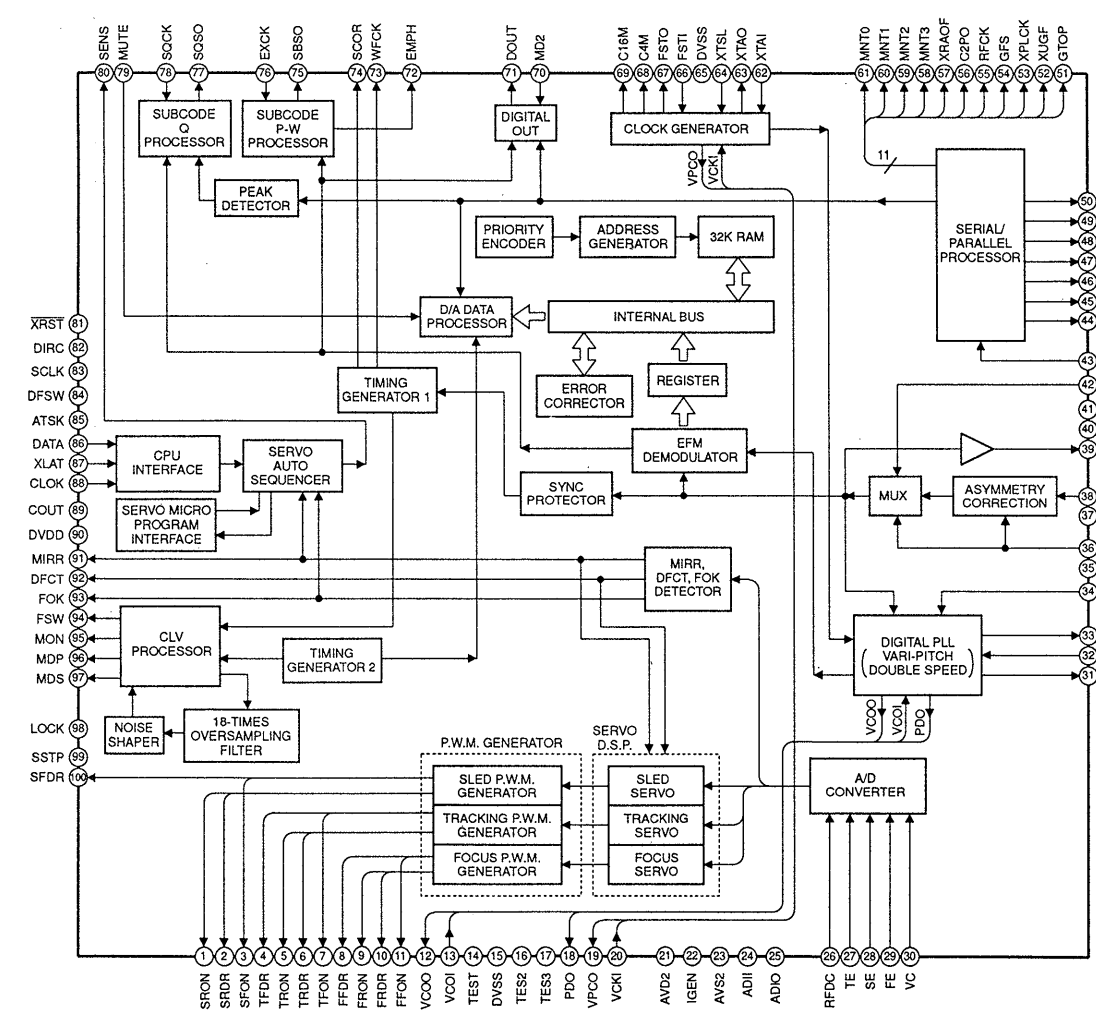
IC13 BA6297AFP



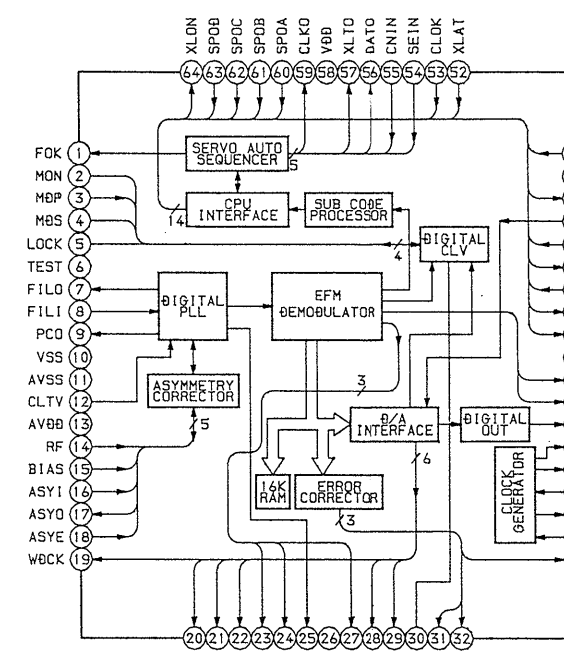
IC11 CXA1571N (CDX-52RF: US, Canadian)



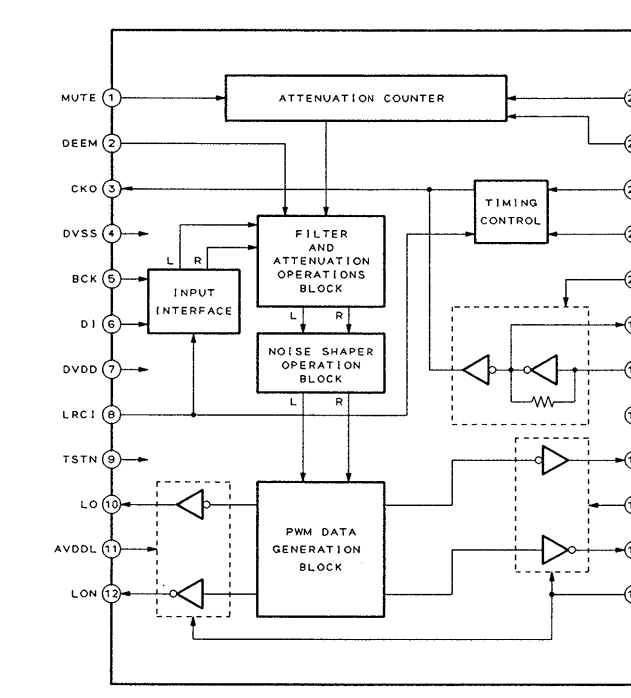
IC12 CXD2515Q (CDX-52RF: US, Canadian)



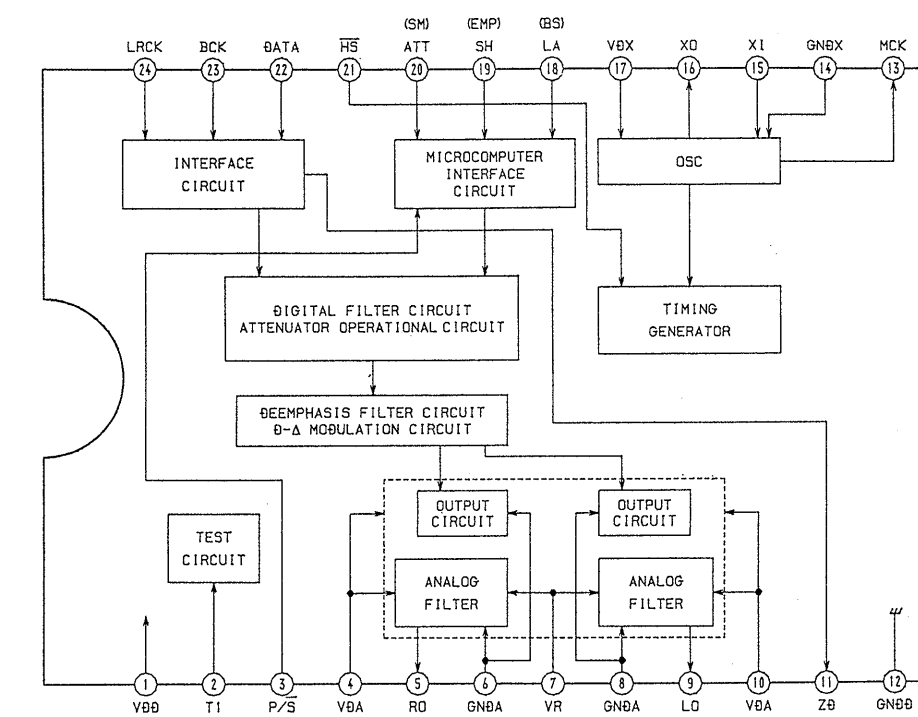
IC12 CXD2507AQ
(CDX-52, CDX-52RF: AEP, UK, German, E, Taiwan)



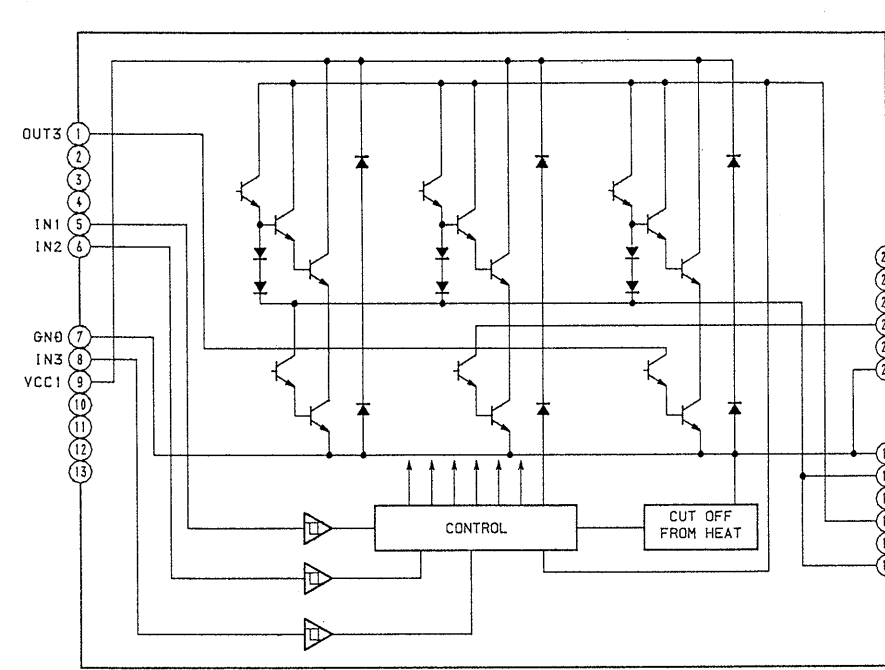
IC16 SM5874AM-ET (CDX-52RF: US, Canadian)



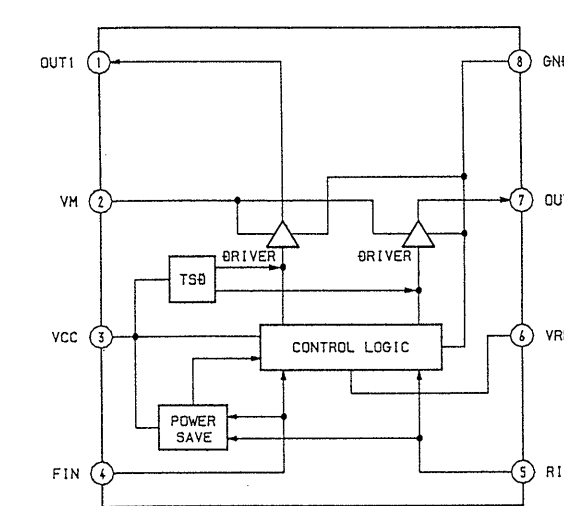
IC16 TC9404FN-EL (CDX-52, CDX-52RF: AEP, UK, German, E, Taiwan)



IC501 BA6247FP-Y

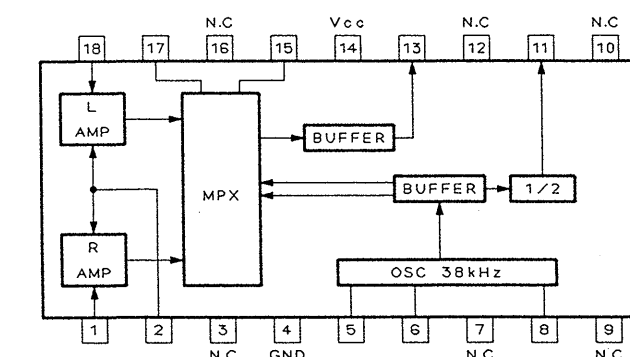


IC951 BA6287F

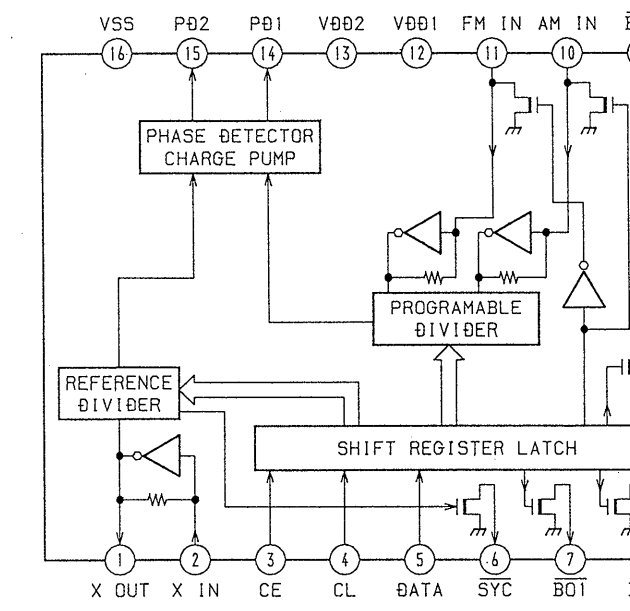


— HIDEAWAY SECTION —

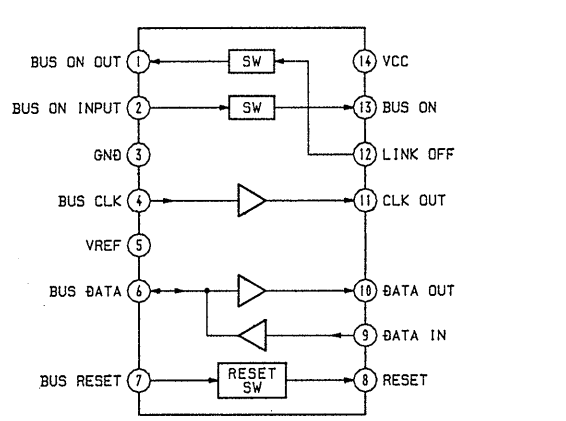
IC302 BA1405



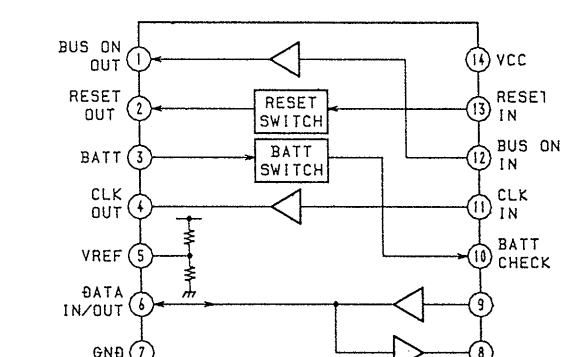
IC303 LM7001M



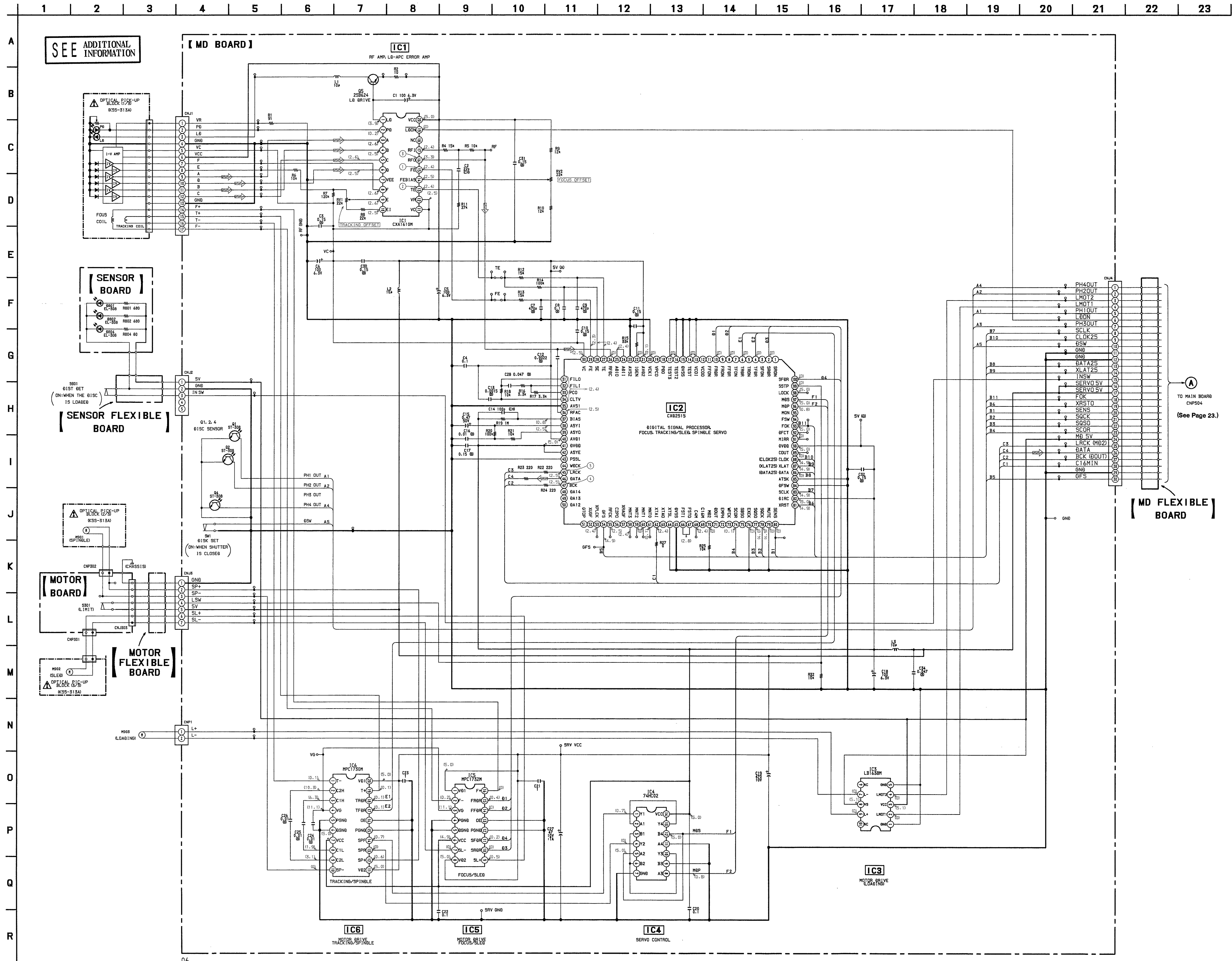
IC981 MM1284XFE



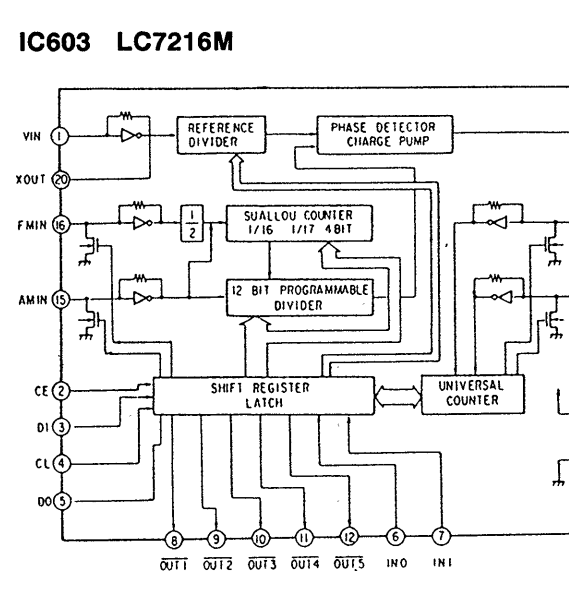
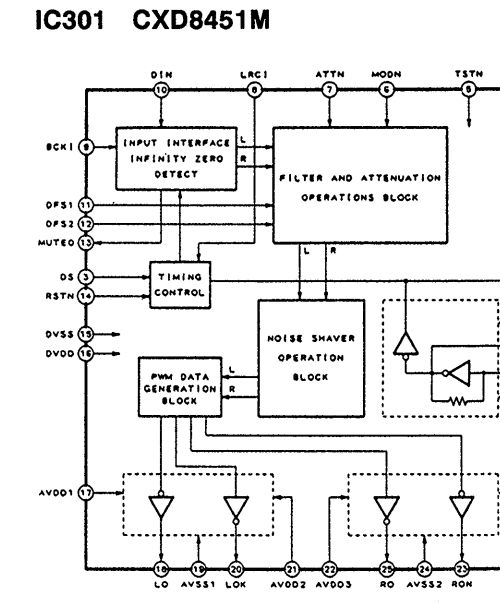
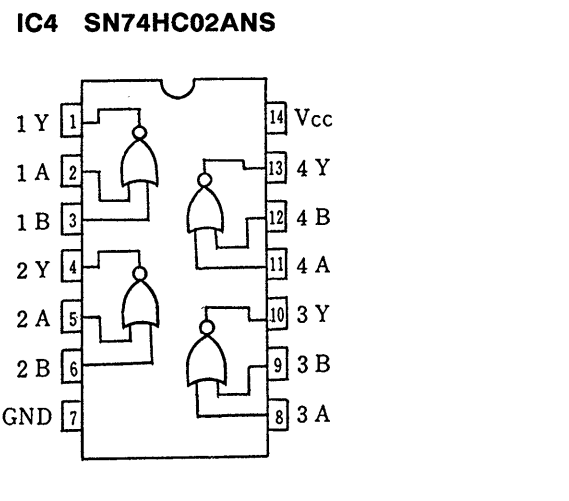
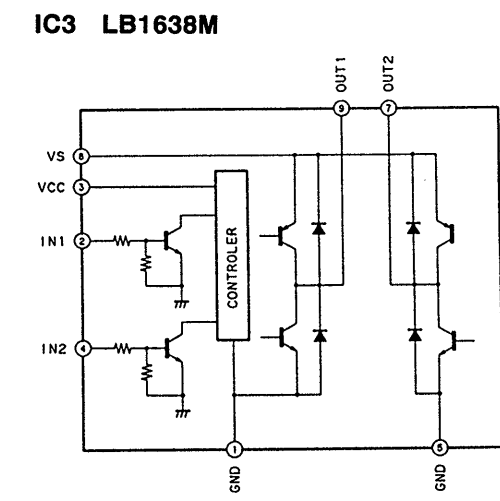
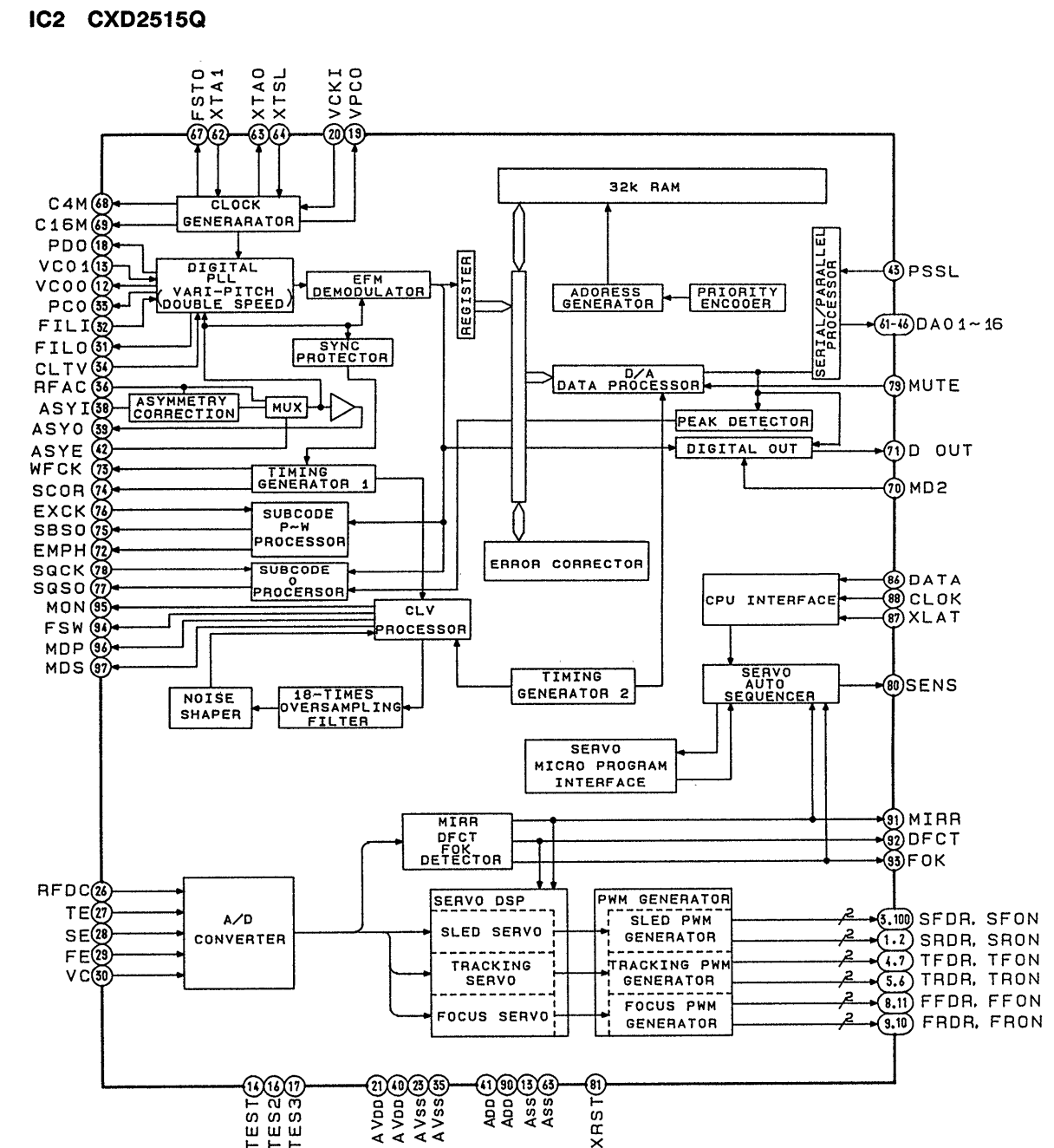
IC601 MM1175XF



3-3. SCHEMATIC DIAGRAMS - MD Section - See Page 31 for Waveforms.



3-4. IC BLOCK DIAGRAMS

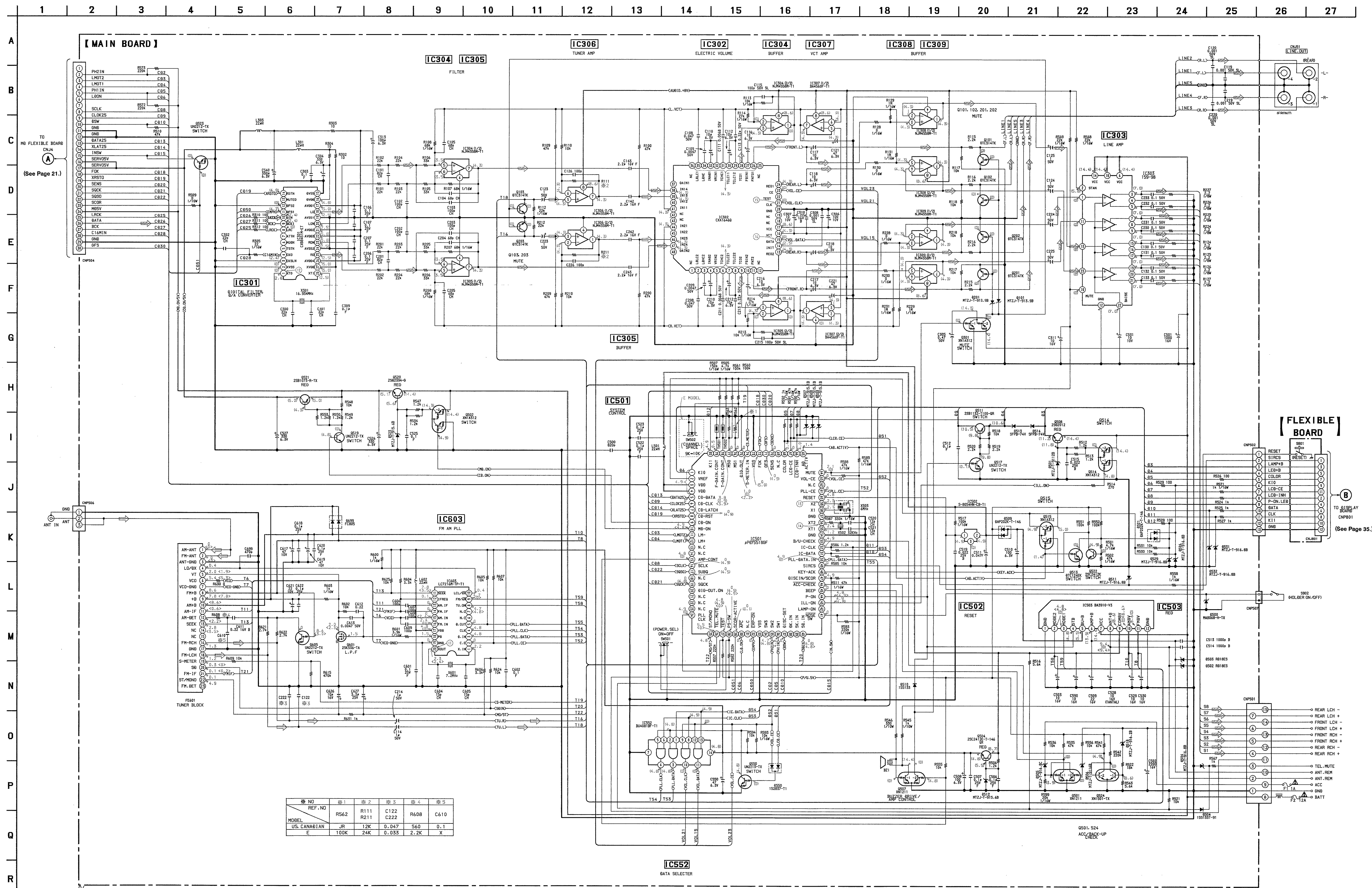


Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50WV 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.
- : B+ line.
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.

() : CD

- Voltages are taken with a VOM. (Input impedance 10M Ω)
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- : CD



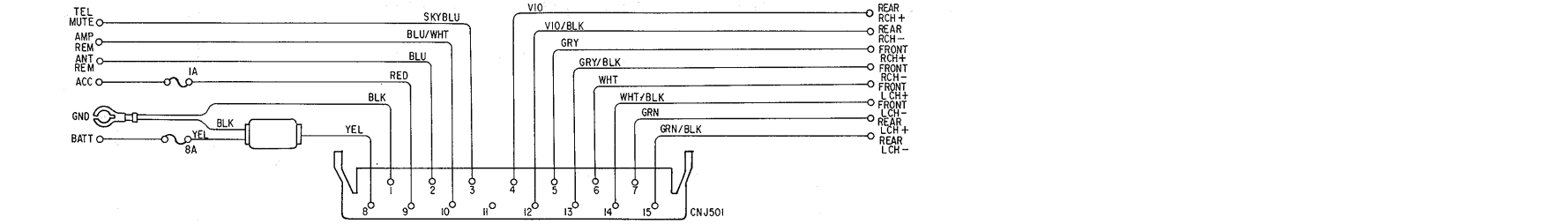
Note:

- All capacitors are in μF unless otherwise noted. pF : μF
- 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- : B+ line.
- : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BACK UP cords.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- () : CD
- < > : AM
- Voltages are taken with a VOM. (Input impedance 10M Ω)
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- : FM
- ⇨ : CD

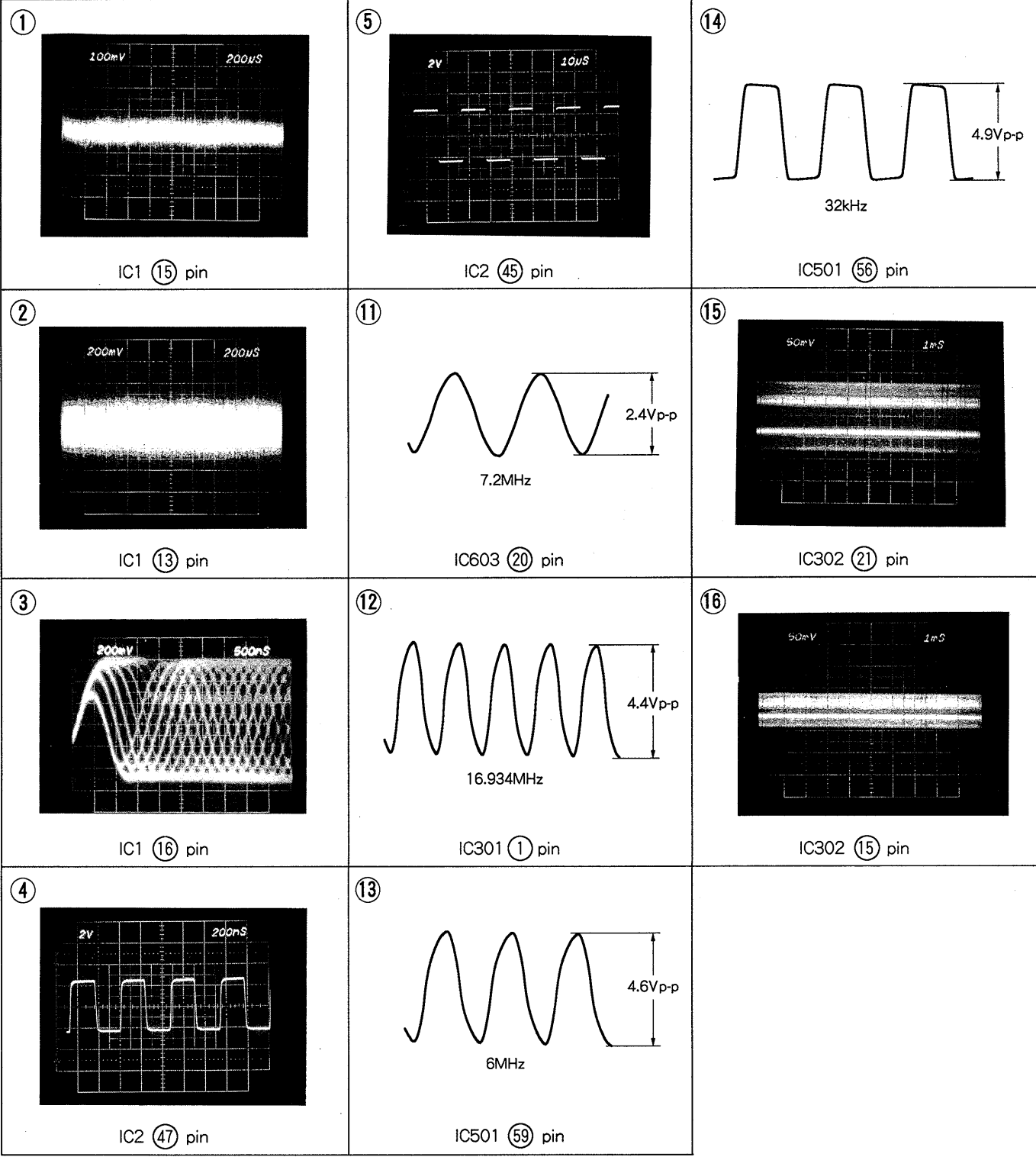
Ref. No.	Location	Ref. No.	Location
D101	D-20	1C307	E-3
D201	D-20	1C308	E-5
D500	J-21	1C309	E-8
D501	G-12	1C501	I-6
D502	B-14	1C502	G-10
D503	C-15	1C503	D-12
D504	D-15	1C552	H-4
D505	D-15	1C603	G-3
D506	D-15		
D507	I-13	Q101	D-3
D508	I-13	Q102	D-3
D509	F-10	Q103	J-2
D510	F-15	Q201	D-3
D511	H-13	Q202	D-3
D512	E-14	Q203	J-2
D513	H-10	Q301	C-3
D514	H-10	Q501	C-8
D518	C-14	Q502	C-3
D521	H-9	Q504	E-9
D523	C-20	Q507	H-10
D526	J-12	Q508	G-12
D529	J-12	Q511	H-12
D531	H-13	Q513	G-9
D532	H-13	Q514	G-10
D533	I-13	Q515	H-9
D534	D-15	Q517	G-12
D550	H-19	Q519	E-3
D699	D-4	Q520	C-20
		Q521	F-19
1C301	J-8	Q522	H-9
1C302	E-6	Q523	I-15
1C303	C-17	Q524	C-10
1C304	J-6	Q550	H-19
1C305	J-7	Q601	G-3
1C306	J-3	Q605	H-21

- ○ — : parts extracted from the component side.
- — : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▨ : Pattern from the side which enables seeing.

(The other layers patterns are not indicated.)



3-7. WAVEFORMS



3-8. PRINTED WIRING BOARDS - DISPLAY Section -

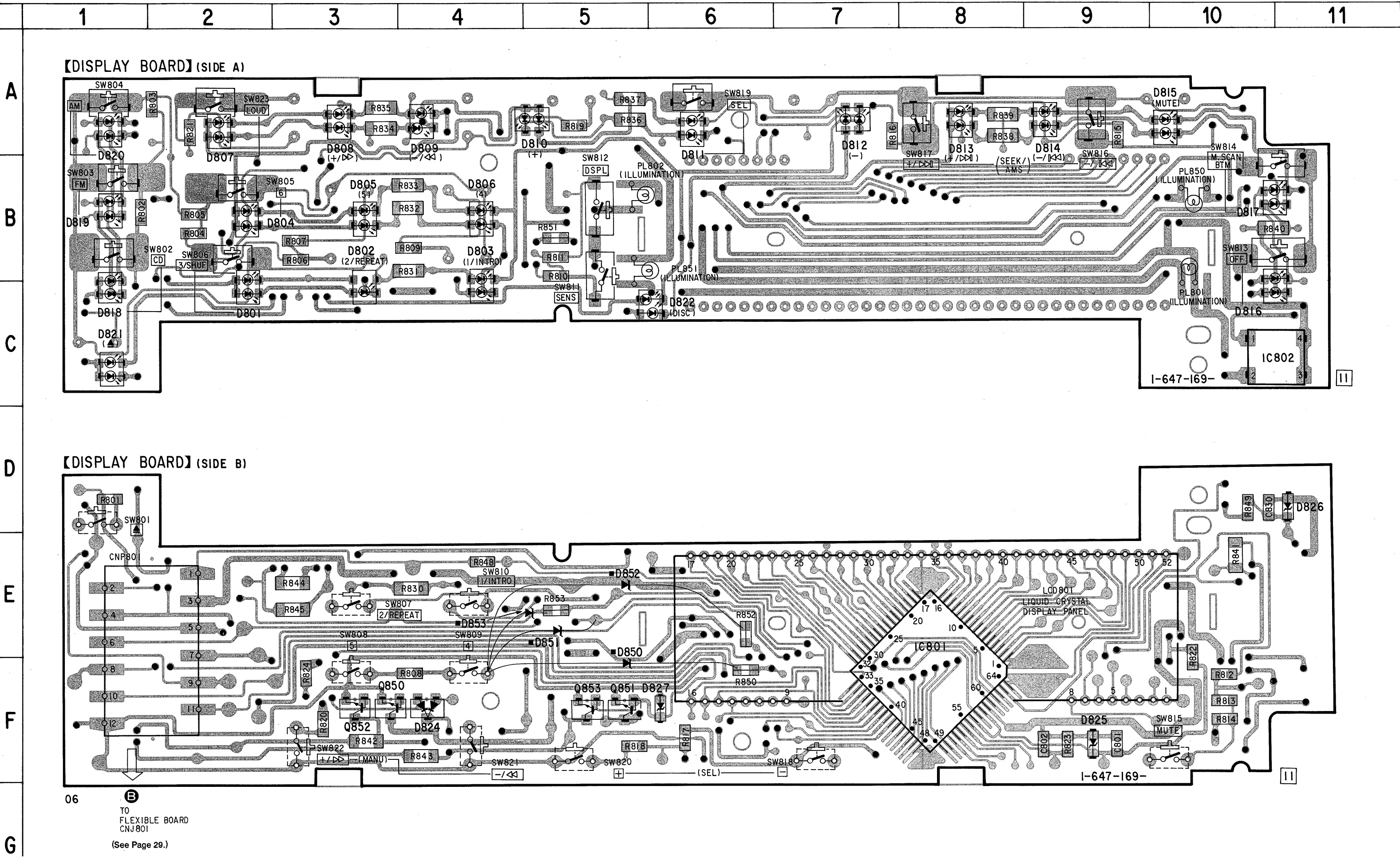
• See Page 14 for Semiconductor Lead Layouts.

• Semiconductor Location

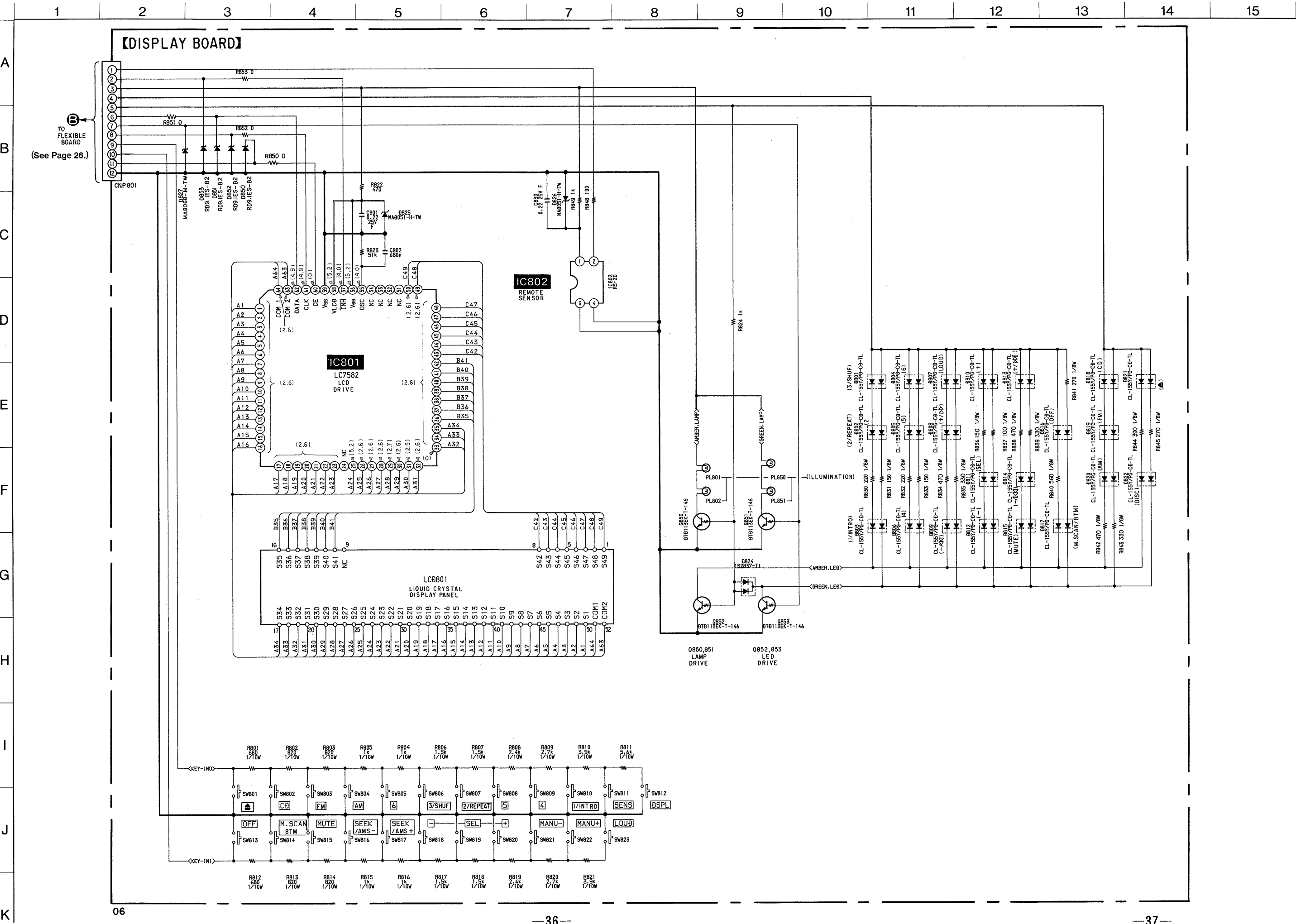
Ref. No.	Location
D801	C-2
D802	B-3
D803	B-4
D804	B-2
D805	B-3
D806	B-4
D807	A-2
D808	A-3
D809	A-4
D810	A-5
D811	A-6
D812	A-7
D813	A-8
D814	A-9
D815	A-10
D816	C-10
D817	B-10
D818	C-1
D819	B-1
D820	A-1
D821	C-1
D822	C-6
D824	F-4
D825	F-9
D826	D-11
D827	F-6
D850	E-5
D851	E-5
D852	E-5
D853	E-4
IC801	E-8
IC802	C-10
Q850	F-3
Q851	F-5
Q852	F-3
Q853	F-5

Note:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- : Through hole.
- Pattern from the side which enables seeing.
(The other layers patterns are not indicated.)



3-9. SCHEMATIC DIAGRAMS - DISPLAY Section -



- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - B+ line.
 - Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - (): CD
 - Voltages are taken with a VOM. (Input impedance $10\text{M}\Omega$)
 - Voltage variations may be noted due to normal production tolerances.

SECTION 4 EXPLODED VIEWS

**SEE ADDITIONAL
INFORMATION**

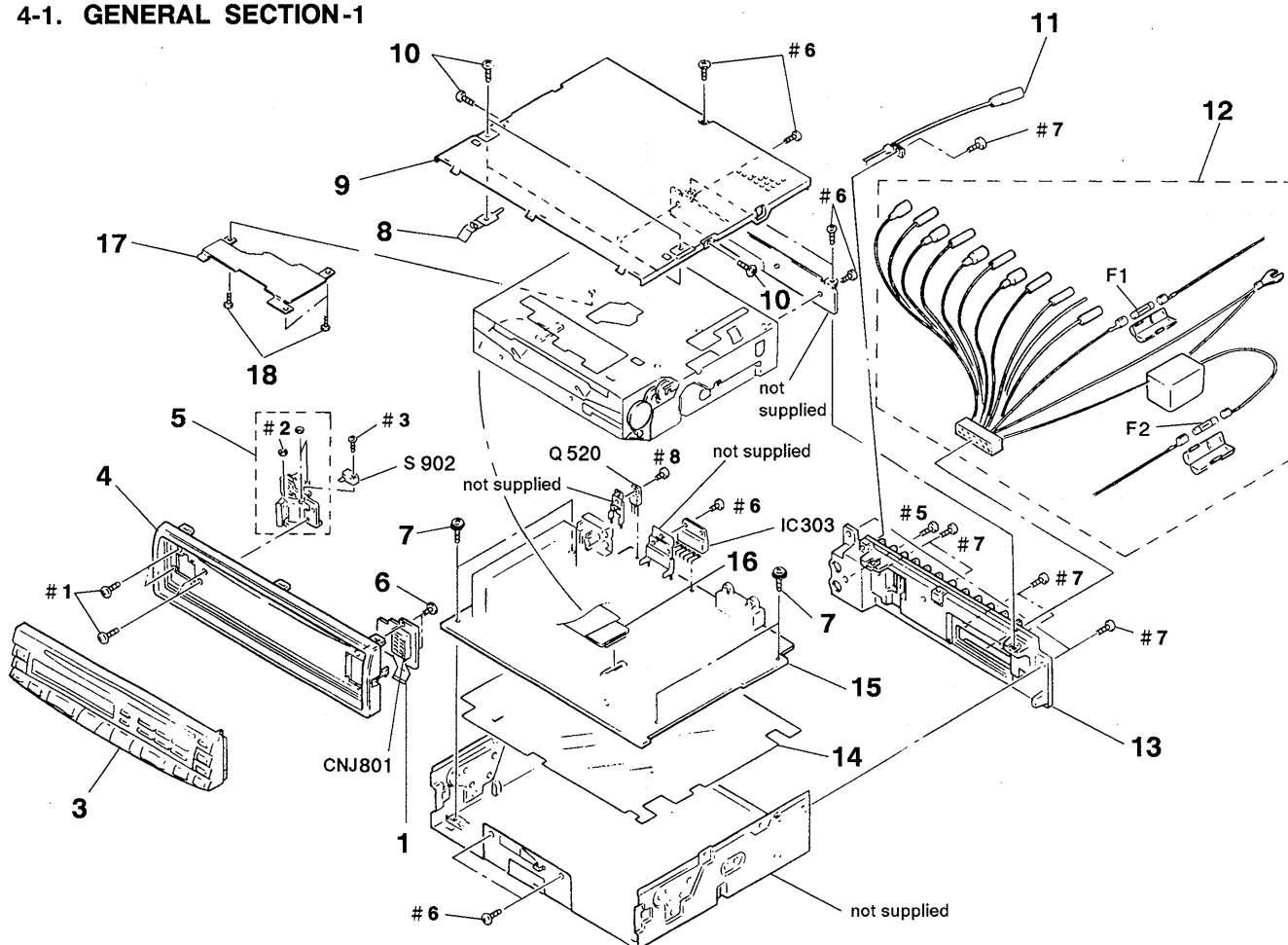
NOTE:

- -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.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

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.

4-1. GENERAL SECTION-1

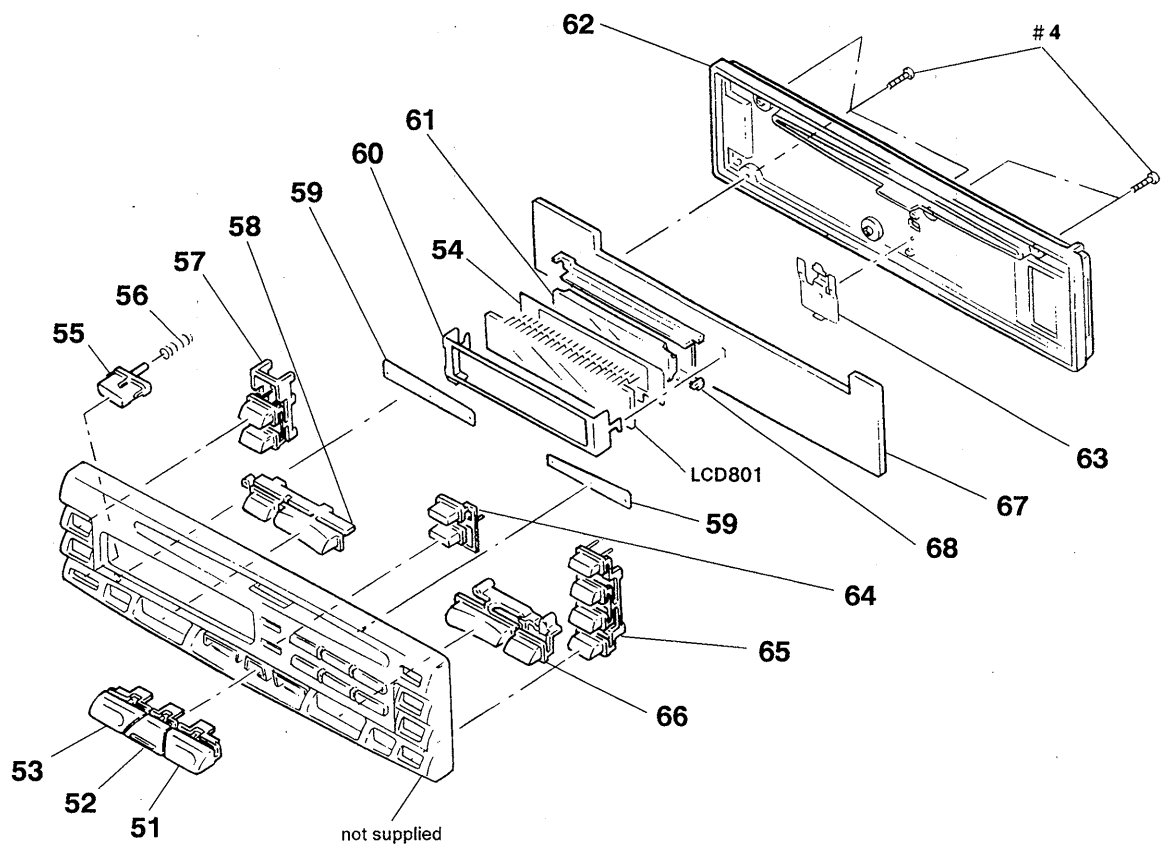


Ref. No.	Part No.	Description	Remark
1	1-646-953-11	FLEXIBLE BOARD	
3	A-3252-636-A	PANEL ASSY, FRONT	
4	X-3366-153-1	PANEL (SUB) ASSY	
5	X-3365-507-2	LOCK ASSY	
6	4-947-204-01	SCREW (M2X4)	
7	3-376-464-11	SCREW(+PTT 2.6X6), GROUND POINT	
* 8	3-386-597-01	PLATE, LOCK	
* 9	3-386-195-01	COVER	
10	3-363-433-02	SCREW	
11	1-751-077-11	CORD (WITH CONNECTOR) (ANT)	
12	1-751-036-11	CORD (WITH CONNECTOR AND FUSE) (POWER)	
* 13	3-386-194-11	HEAT SINK	

Ref. No.	Part No.	Description	Remark
* 14	3-386-189-01	SHEET, INSULATING	
* 15	A-3295-380-A	MAIN BOARD, COMPLETE (US, Canadian)	
* 15	A-3295-384-A	MAIN BOARD, COMPLETE (E)	
16	1-646-932-11	MD FLEXIBLE BOARD	
* 17	3-388-151-01	PLATE, SHIELD	
18	3-363-433-02	SCREW	
* CNJ801	1-691-558-21	SOCKET, CONNECTOR 12P	
△F1	1-532-360-XX	FUSE, GLASS TUBE (1A)	
△F2	1-532-678-11	FUSE, GLASS TUBE (12A)	
IC303	8-759-159-98	IC 159-98	
Q520	8-729-019-00	TRANSISTOR 2SD2394-G	
S902	X-3366-172-1	SWITCH ASSY	

4-2. GENERAL SECTION-2

SEE ADDITIONAL
INFORMATION

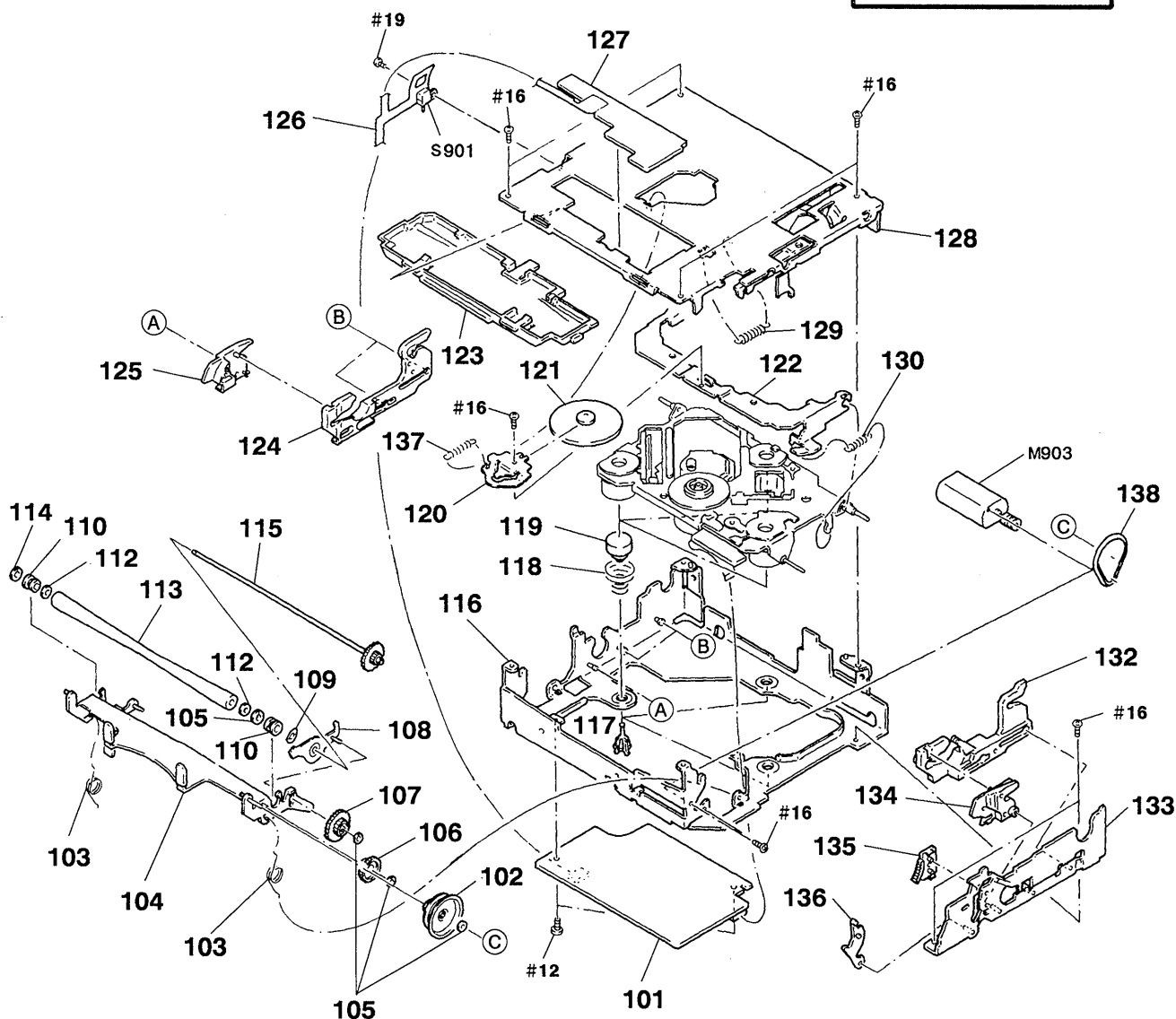


Ref.No.	Part No.	Description	Remark
51	3-384-648-01	BUTTON (+)	
52	3-384-650-01	BUTTON (SEL)	
53	3-384-649-01	BUTTON (-)	
* 54	3-386-190-01	SHEET (ILLUMINATOR)	
55	3-386-177-01	BUTTON (RELEASE)	
56	3-375-373-01	SPRING (RELEASE)	
57	3-386-175-01	BUTTON (2 GANG A)	
58	3-384-647-11	BUTTON (SEEK)	
59	3-386-187-01	SHEET (DOOR F)	

Ref.No.	Part No.	Description	Remark
* 60	3-386-179-01	PLATE (LCD), GROUND	
* 61	3-386-185-01	PLATE (LCD), LIGHT GUIDE	
62	3-386-183-01	PANEL, FRONT BACK	
* 63	3-386-184-01	PLATE (FBP), GROUND	
64	3-386-176-01	BUTTON (2 GANG B)	
65	3-386-172-01	BUTTON (R4)	
66	3-384-646-21	BUTTON (MANU)	
* 67	A-3295-382-A	DISPLAY BOARD, COMPLETE	
* 68	3-386-178-01	HOLDER (LCD)	
LCD801	1-808-983-21	DISPLAY PANEL, LIQUID CRYSTAL	

4-3. MD SECTION-1 (MG-205Z-130)

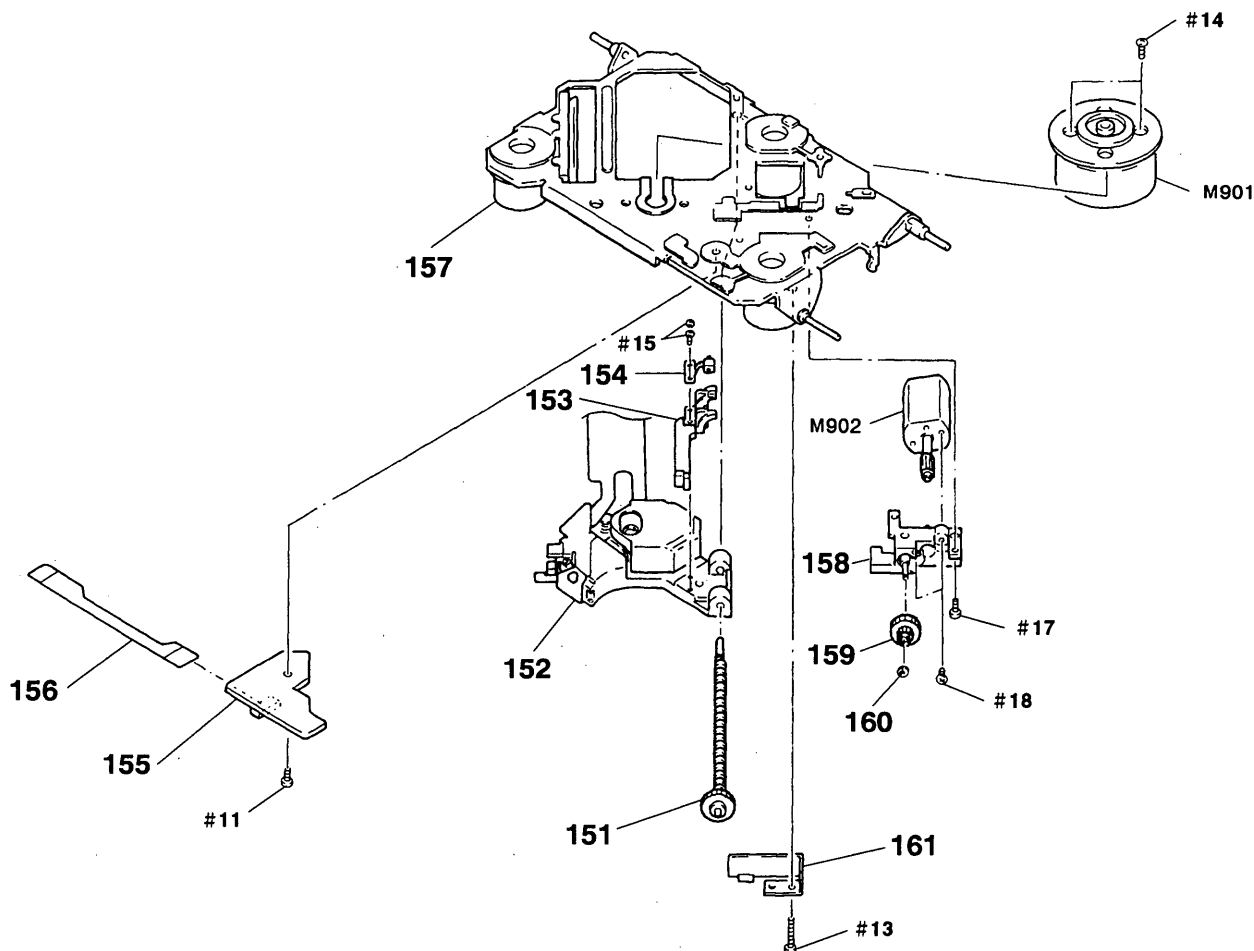
SEE ADDITIONAL INFORMATION



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
* 101	A-3222-526-A	MD BOARD, COMPLETE		* 121	3-384-918-01	RETAINER (DISC)	
102	3-384-894-01	GEAR (R1)		* 122	3-384-908-01	ARM, CHUCKING	
103	3-384-900-01	SPRING (PRESS)		* 123	3-384-886-01	GUIDE (DISK)	
* 104	X-3365-912-1	ARM ASSY, ROLLER		124	3-384-888-01	SLIDER (L)	
105	3-578-242-11	WASHER		125	3-384-887-01	LEVER (L)	
106	3-384-895-01	GEAR (R2)		126	1-646-401-11	SENSOR FLEXIBLE BOARD	
107	3-384-896-01	GEAR (DOWN)		* 127	A-3222-525-A	SENSOR BOARD, COMPLETE	
108	X-3365-913-1	ARM ASSY, FRICTION		* 128	X-3365-914-1	CHASSIS (T) ASSY	
109	3-384-899-01	SPRING (FRICTION)		129	3-384-881-01	SPRING, TENSION	
110	3-384-892-01	BEARING (ROLLER)		130	3-384-917-01	SPRING (CH)	
112	3-701-438-11	WASHER, 2.5		132	X-3366-102-1	SLIDER (R) ASSY	
113	3-377-484-01	ROLLER (T)		* 133	X-3365-911-1	CHASSIS (R) ASSY	
114	3-386-150-01	RING (ROLLER), RETAINING		134	3-384-889-01	LEVER (R)	
115	A-3252-591-A	GEAR ASSY, ROLLER		135	3-384-897-01	GEAR (RACK)	
116	X-3365-910-1	CHASSIS (M) ASSY		136	3-384-891-01	LEVER (ST)	
117	3-384-923-01	SHAFT (DAMPER)		137	3-578-388-00	SPRING, TENSION	
118	3-384-916-01	SPRING (FL)		138	3-387-776-01	BELT (L)	
119	3-384-914-01	DAMPER		M903	A-3252-580-A	MOTOR (L) ASSY	
* 120	3-384-915-01	BRACKET (CP)		S901	1-692-441-11	SWITCH, MICRO (DISC DET)	

4-4. MD SECTION-2 (MG-205Z-130)

SEE ADDITIONAL INFORMATION



Ref. No.	Part No.	Description	Remark
151	A-3252-586-A	SHAFT (SL) ASSY	
▲ 152	8-848-283-11	OPTICAL PICK-UP BLOCK KSS-313A	
153	3-384-922-01	GEAR (SL FEED)	
154	2-625-516-01	SPRING (A), FEED	
* 155	1-646-397-11	MOTOR BOARD	
156	1-646-402-11	MOTOR FLEXIBLE BOARD	
* 157	X-3365-916-1	CHASSIS (OPT) ASSY (OUTSERT)	
158	X-3366-100-1	BASE (DRIVING) ASSY	
159	3-384-912-01	GEAR (K2)	
160	3-570-615-00	POLY-WASHER (DIA. 1. 2)	

Ref. No.	Part No.	Description	Remark
* 161	3-384-913-01	SPRING (THRUST RETAINER)	
M901	A-3252-628-A	MOTOR (SPINDLE) ASSY	
M902	A-3252-585-A	MOTOR (SL) ASSY	

Note:

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

Note:

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

DISPLAY

SECTION 5 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the part 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.
- RESISTORS
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE : Metal Oxide-film resistor
F : nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SEMICONDUCTORS

In each case, μ : μ , for example :

$\mu A...$: $\mu A...$, $\mu PA...$: $\mu PA...$,

$\mu PB...$: $\mu PB...$, $\mu PC...$: $\mu PC...$,

$\mu PD...$: $\mu PD...$

CAPACITORS

μF : μF

COILS

μH : μH

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.

Ref.No.	Part No.	Description	Remark
*	A-3295-382-A	DISPLAY BOARD, COMPLETE *****	
*	3-386-178-01	HOLDER (LCD)	
*	3-386-185-01	PLATE (LCD), LIGHT GUIDE	
*	3-386-190-01	SHEET (ILLUMINATOR)	
		< CAPACITOR >	
C801	1-164-222-11	CERAMIC CHIP 0.22 μ F	25V
C802	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
C830	1-164-222-11	CERAMIC CHIP 0.22 μ F	25V
		< CONNECTOR >	
* CNP801	1-691-557-21	PIN, CONNECTOR 12P	
		< DIODE >	
D801	8-719-987-45	LED CL-155Y/PG-CD (3/SHUF)	
D802	8-719-987-45	LED CL-155Y/PG-CD (2/REPEAT)	
D803	8-719-987-45	LED CL-155Y/PG-CD (1/INTRO)	
D804	8-719-987-45	LED CL-155Y/PG-CD (6)	
D805	8-719-987-45	LED CL-155Y/PG-CD (5)	
D806	8-719-987-45	LED CL-155Y/PG-CD (4)	
D807	8-719-987-45	LED CL-155Y/PG-CD (LOUD)	
D808	8-719-987-45	LED CL-155Y/PG-CD (+/▷▷)	
D809	8-719-987-45	LED CL-155Y/PG-CD (-/◁◁)	
D810	8-719-987-45	LED CL-155Y/PG-CD (+)	
D811	8-719-987-45	LED CL-155Y/PG-CD (SEL)	
D812	8-719-987-45	LED CL-155Y/PG-CD (-)	
D813	8-719-987-45	LED CL-155Y/PG-CD (+/▷▷)	
D814	8-719-987-45	LED CL-155Y/PG-CD (-/◁◁)	
D815	8-719-987-45	LED CL-155Y/PG-CD (MUTE)	
D816	8-719-987-45	LED CL-155Y/PG-CD (OFF)	
D817	8-719-987-45	LED CL-155Y/PG-CD (M. SCAN/BTM)	
D818	8-719-987-45	LED CL-155Y/PG-CD (CD)	

Ref.No.	Part No.	Description	Remark
D819	8-719-987-45	LED CL-155Y/PG-CD (FM)	
D820	8-719-987-45	LED CL-155Y/PG-CD (AM)	
D821	8-719-987-45	LED CL-155Y/PG-CD (Δ)	
D822	8-719-987-45	LED CL-155Y/PG-CD (DISC)	
D824	8-719-400-18	DIODE MA152WK	
D825	8-719-422-43	DIODE MA8051-H	
D826	8-719-422-43	DIODE MA8051-H	
D827	8-719-977-12	DIODE DTZ6.8B	
D850	8-719-110-12	DIODE RD9.1ES-B1	
D851	8-719-110-12	DIODE RD9.1ES-B1	
D852	8-719-110-12	DIODE RD9.1ES-B1	
D853	8-719-110-12	DIODE RD9.1ES-B1	
		< IC >	
IC801	8-759-821-44	IC LC7582	
IC802	8-759-515-60	IC RS-20	
		< LIQUID CRYSTAL DISPLAY >	
LCD801	1-808-983-21	DISPLAY PANEL, LIQUID CRYSTAL	
		< PILOT LAMP >	
PL801	1-517-165-21	LAMP, PILOT (AMBER)	
PL802	1-517-165-21	LAMP, PILOT (AMBER)	
PL850	1-517-166-21	LAMP, PILOT (GREEN)	
PL851	1-517-166-21	LAMP, PILOT (GREEN)	
		< TRANSISTOR >	
Q850	8-729-904-66	TRANSISTOR DTD113EK	
Q851	8-729-904-66	TRANSISTOR DTD113EK	
Q852	8-729-904-66	TRANSISTOR DTD113EK	
Q853	8-729-904-66	TRANSISTOR DTD113EK	

Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R801	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R802	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R803	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R804	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R805	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R806	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R807	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R808	1-216-660-11	METAL CHIP	2.4K	0.5%	1/10W
R809	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R810	1-216-665-11	METAL CHIP	3.9K	0.5%	1/10W
R811	1-216-669-11	METAL CHIP	5.6K	0.5%	1/10W
R812	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R813	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R814	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R815	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R816	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R817	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R818	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R819	1-216-660-11	METAL CHIP	2.4K	0.5%	1/10W
R820	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R821	1-216-665-11	METAL CHIP	3.9K	0.5%	1/10W
R822	1-216-041-00	METAL CHIP	470	5%	1/10W
R823	1-216-090-00	METAL CHIP	51K	5%	1/10W
R824	1-216-049-00	METAL CHIP	1K	5%	1/10W
R830	1-216-182-00	METAL GLAZE	220	5%	1/8W
R831	1-216-178-00	METAL GLAZE	150	5%	1/8W
R832	1-216-182-00	METAL GLAZE	220	5%	1/8W
R833	1-216-178-00	METAL GLAZE	150	5%	1/8W
R834	1-216-190-00	METAL GLAZE	470	5%	1/8W
R835	1-216-186-00	METAL GLAZE	330	5%	1/8W
R836	1-216-178-00	METAL GLAZE	150	5%	1/8W
R837	1-216-174-00	METAL GLAZE	100	5%	1/8W
R838	1-216-190-00	METAL GLAZE	470	5%	1/8W
R839	1-216-186-00	METAL GLAZE	330	5%	1/8W
R840	1-216-192-00	METAL GLAZE	560	5%	1/8W
R841	1-216-184-00	METAL GLAZE	270	5%	1/8W
R842	1-216-190-00	METAL GLAZE	470	5%	1/8W
R843	1-216-186-00	METAL GLAZE	330	5%	1/8W
R844	1-216-188-00	METAL GLAZE	390	5%	1/8W
R845	1-216-184-00	METAL GLAZE	270	5%	1/8W
R848	1-216-025-00	METAL CHIP	100	5%	1/10W
R849	1-216-190-00	METAL CHIP	470	5%	1/10W
R850	1-216-295-00	METAL CHIP	0	5%	1/10W
R851	1-216-295-00	METAL CHIP	0	5%	1/10W
R852	1-216-295-00	METAL CHIP	0	5%	1/10W
R853	1-216-295-00	METAL CHIP	0	5%	1/10W

Ref.No.	Part No.	Description	Remark
< SWITCH >			
SW801	1-572-704-21	SWITCH, KEY BOARD (▲)	
SW802	1-692-386-21	SWITCH (CD)	
SW803	1-692-386-21	SWITCH (FM)	
SW804	1-692-386-21	SWITCH (AM)	
SW805	1-692-386-21	SWITCH (6)	
SW806	1-692-386-21	SWITCH (3/SHUF)	
SW807	1-572-704-21	SWITCH, KEY BOARD (2/REPEAT)	
SW808	1-572-704-21	SWITCH, KEY BOARD (5)	
SW809	1-572-704-21	SWITCH, KEY BOARD (4)	
SW810	1-572-704-21	SWITCH, KEY BOARD (1/INTRO)	
SW811	1-692-386-21	SWITCH, KEY BOARD (SENS)	
SW812	1-692-386-21	SWITCH, KEY BOARD (DSPL)	
SW813	1-692-386-21	SWITCH (OFF)	
SW814	1-692-386-21	SWITCH (M. SCAN/BTM)	
SW815	1-572-704-21	SWITCH, KEY BOARD (MUTE)	
SW816	1-692-386-21	SWITCH (-/◀◀ (SEEK/AMS))	
SW817	1-692-386-21	SWITCH (+/▶▶ (SEEK/AMS))	
SW818	1-572-704-21	SWITCH (-(SEL))	
SW819	1-692-386-21	SWITCH (SEL)	
SW820	1-572-704-21	SWITCH, KEY BOARD (+(SEL))	
SW821	1-572-704-21	SWITCH, KEY BOARD (-/◀◀ (MANU))	
SW822	1-572-704-21	SWITCH, KEY BOARD (+/▶▶ (MANU))	
SW823	1-692-386-21	SWITCH (LOUD)	

1-646-953-11 FLEXIBLE BOARD			

< JACK >			
* CNJ801 1-691-558-21 SOCKET, CONNECTOR 12P			
< SWITCH >			
S801	1-554-371-51	SWITCH, TACT (RESET)	

*	A-3295-380-A	MAIN BOARD, COMPLETE (US,Canadian)	

*	A-3295-384-A	MAIN BOARD, COMPLETE (E)	

7-682-547-04 SCREW +PTT 3X6 (S)			
7-621-770-67 SCREW +PTT 2.6X6 (S)			
< BUZZER >			
BZ1	1-529-108-21	BUZZER, PIEZOELECTRIC	
< CAPACITOR >			
C101	1-163-115-00	CERAMIC CHIP 82PF	5% 50V
C102	1-162-927-11	CERAMIC CHIP 100PF	5% 50V

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C103	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C220	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V
C104	1-162-925-11	CERAMIC CHIP	68PF 5% 50V	C221	1-126-154-11	ELECT	47uF 20% 6.3V
C105	1-162-925-11	CERAMIC CHIP	68PF 5% 50V	C222	1-136-161-00	FILM	0.047uF 5% 50V
C106	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C222	1-136-159-00	FILM	0.033uF 50V (E) (US, Canadian)
C107	1-164-156-11	CERAMIC CHIP	0.1uF 25V				
C108	1-136-161-00	FILM	0.047uF 5% 50V	C223	1-163-301-11	ELECT	1uF 20% 50V
C109	1-130-479-00	MYLAR	0.0047uF 5% 50V	C224	1-126-301-11	ELECT	1uF 20% 50V
C110	1-126-157-11	ELECT	10uF 20% 16V	C225	1-126-301-11	ELECT	1uF 20% 50V
C111	1-130-481-00	MYLAR	0.0068uF 5% 50V	C226	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C112	1-126-157-11	ELECT	10uF 20% 16V	C230	1-136-165-00	FILM	0.1uF 5% 50V
C113	1-136-169-00	FILM	0.22uF 5% 50V	C231	1-136-165-00	FILM	0.1uF 5% 50V
C114	1-126-301-11	ELECT	1uF 20% 50V	C232	1-136-165-00	FILM	0.1uF 5% 50V
C115	1-162-953-11	CERAMIC CHIP	100PF 5% 50V	C233	1-136-165-00	FILM	0.1uF 5% 50V
C116	1-126-157-11	ELECT	10uF 20% 16V	C242	1-164-337-11	CERAMIC CHIP	2.2uF 16V
C117	1-126-157-11	ELECT	10uF 20% 16V	C243	1-164-337-11	CERAMIC CHIP	2.2uF 16V
C118	1-126-157-11	ELECT	10uF 20% 16V	C300	1-163-235-11	CERAMIC CHIP	22PF 5% 50V
C119	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V	C301	1-163-235-11	CERAMIC CHIP	22PF 5% 50V
C120	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V	C302	1-162-919-11	CERAMIC CHIP	22PF 5% 50V
C121	1-126-154-11	ELECT	47uF 20% 6.3V	C303	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C122	1-136-161-00	FILM	0.047uF 5% 50V	C304	1-124-584-00	ELECT	100uF 20% 10V
C122	1-136-159-00	FILM	0.033uF 50V (E) (US, Canadian)	C305	1-126-159-11	ELECT	0.47uF 20% 50V
C123	1-126-301-11	ELECT	1uF 20% 50V	C306	1-124-584-00	ELECT	100uF 20% 10V
C124	1-126-301-11	ELECT	1uF 20% 50V	C307	1-126-157-11	ELECT	10uF 20% 16V
C125	1-126-301-11	ELECT	1uF 20% 50V	C308	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V
C126	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C309	1-164-156-11	CERAMIC CHIP	0.1uF 25V
C130	1-136-165-00	FILM	0.1uF 5% 50V	C310	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V
C131	1-136-165-00	FILM	0.1uF 5% 50V	C311	1-126-157-11	ELECT	10uF 20% 16V
C132	1-136-165-00	FILM	0.1uF 5% 50V	C313	1-124-584-00	ELECT	100uF 20% 10V
C133	1-136-165-00	FILM	0.1uF 5% 50V	C500	1-162-293-31	CERAMIC CHIP	820PF 10% 50V
C142	1-164-337-11	CERAMIC CHIP	2.2uF 16V	C501	1-124-360-00	ELECT	1000uF 20% 16V
C143	1-164-337-11	CERAMIC CHIP	2.2uF 16V	C502	1-124-343-00	ELECT	2200uF 20% 16V
C201	1-163-115-00	CERAMIC CHIP	82PF 5% 50V	C503	1-126-157-11	ELECT	10uF 20% 16V
C202	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C506	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C203	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C507	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C204	1-162-925-11	CERAMIC CHIP	68PF 5% 50V	C508	1-124-584-00	ELECT	100uF 20% 10V
C205	1-162-925-11	CERAMIC CHIP	68PF 5% 50V	C509	1-124-234-00	ELECT	22uF 20% 16V
C206	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C510	1-124-584-00	ELECT	100uF 20% 10V
C207	1-164-156-11	CERAMIC CHIP	0.1uF 25V	C511	1-125-701-11	CAP, DOUBLE LAYER	0.047F
C208	1-136-161-00	FILM	0.047uF 5% 50V	C512	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C209	1-130-479-00	MYLAR	0.0047uF 5% 50V	C513	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V
C210	1-126-157-11	ELECT	10uF 20% 16V	C514	1-163-009-11	CERAMIC CHIP	1000PF 10% 50V
C211	1-130-481-00	MYLAR	0.0068uF 5% 50V	C515	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V
C212	1-126-157-11	ELECT	10uF 20% 16V	C519	1-164-227-11	CERAMIC CHIP	0.022uF 10% 25V
C213	1-136-169-00	FILM	0.22uF 5% 50V	C520	1-163-229-11	CERAMIC CHIP	12PF 5% 50V
C214	1-126-301-11	ELECT	1uF 20% 50V	C521	1-163-229-11	CERAMIC CHIP	12PF 5% 50V
C215	1-162-953-11	CERAMIC CHIP	100PF 5% 50V	C522	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C216	1-126-157-11	ELECT	10uF 20% 16V	C523	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C217	1-126-157-11	ELECT	10uF 20% 16V	C525	1-165-319-11	CERAMIC CHIP	0.1uF 50V
C218	1-126-157-11	ELECT	10uF 20% 16V	C526	1-128-057-11	ELECT	330uF 20% 6.3V
C219	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V	C527	1-128-057-11	ELECT	330uF 20% 6.3V

Ref.No.	Part No.	Description	Remark
C528	1-131-365-00	TANTALUM 10uF	20% 16V
C529	1-126-157-11	ELECT 10uF	20% 16V
C530	1-126-157-11	ELECT 10uF	20% 16V
C531	1-126-157-11	ELECT 10uF	20% 16V
C540	1-128-057-11	ELECT 330uF	20% 6.3V
C550	1-126-154-11	ELECT 47uF	20% 6.3V
C590	1-126-157-11	ELECT 10uF	20% 16V
C601	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C602	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C604	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C605	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C606	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C607	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C608	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C609	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C610	1-163-038-00	CERAMIC CHIP 0.1uF	25V (US, Canadian)
C611	1-164-489-11	CERAMIC CHIP 0.22uF	10% 16V
C612	1-136-169-00	FILM 0.22uF	5% 50V
C613	1-130-479-00	MYLAR 0.0047uF	5% 50V
C617	1-124-589-11	ELECT 47uF	20% 16V
C618	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C619	1-124-589-11	ELECT 47uF	20% 16V
C620	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C621	1-128-054-11	ELECT 22uF	20% 10V
C622	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C626	1-126-157-11	ELECT 10uF	20% 16V
C627	1-126-162-11	ELECT 3.3uF	20% 50V
C699	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
< JACK >			
CNJ51	1-750-175-21	JACK, PIN 4P (LINE OUT)	
< CONNECTOR >			
* CNP501	1-750-064-11	CONNECTOR	
* CNP502	1-750-512-21	CONNECTOR, FPC 13P	
* CNP504	1-695-953-31	CONNECTOR, BOARD TO BOARD 30P	
* CNP506	1-750-241-21	PIN, CONNECTOR 3P	
* CNP507	1-695-320-11	PIN, CONNECTOR (1.5MM) (SMD) 2P	
< DIODE >			
D101	8-719-982-08	DIODE MTZJ-3.9B	
D201	8-719-982-08	DIODE MTZJ-3.9B	
D500	8-719-017-67	DIODE MA8068-H	
D501	8-719-921-82	DIODE MTZJ-12	
D502	8-719-110-49	DIODE RD18ES-B2	
D503	8-719-110-49	DIODE RD18ES-B2	
D504	8-719-800-76	DIODE 1SS226	
D505	8-719-921-60	DIODE MTZJ-6.8C	
D506	8-719-921-96	DIODE MTZJ-16B	

Ref.No.	Part No.	Description	Remark
D507	8-719-921-43	DIODE MTZJ-5.1B	
D508	8-719-921-43	DIODE MTZJ-5.1B	
D509	8-719-104-34	DIODE 1S2836	
D510	8-719-911-19	DIODE 1SS119	
D511	8-719-921-59	DIODE MTZJ-6.8B	
D512	8-719-921-47	DIODE MTZJ-5.6B	
D513	8-719-026-43	DIODE SFPB-74V	
D514	8-719-026-43	DIODE SFPB-74V	
D518	8-719-921-54	DIODE MTZJ-6.2B	
D521	8-719-104-34	DIODE 1S2836	
D523	8-719-921-47	DIODE MTZJ-5.6B	
D526	8-719-921-59	DIODE MTZJ-6.8B	
D529	8-719-921-59	DIODE MTZJ-6.8B	
D531	8-719-921-59	DIODE MTZJ-6.8B	
D532	8-719-921-59	DIODE MTZJ-6.8B	
D533	8-719-921-43	DIODE MTZJ-5.1B	
D534	8-719-921-59	DIODE MTZJ-6.8B	
D550	8-719-400-18	DIODE MA152WK	
D699	8-719-981-59	DIODE FC805-TL	
< FRONT END >			
FE601	A-3282-000-A	TUNER (TUX-001) (FM/AM)	
< IC >			
IC301	8-759-093-98	IC CXD8451M	
IC302	8-752-063-44	IC CXA1646Q	
IC303	8-759-159-98	IC 159-98	
IC304	8-759-700-43	IC NJM4558M	
IC305	8-759-700-43	IC NJM4558M	
IC306	8-759-700-43	IC NJM4558M	
IC307	8-759-982-04	IC RC5532M	
IC308	8-759-700-43	IC NJM4558M	
IC309	8-759-700-43	IC NJM4558M	
IC501	8-759-167-49	IC uPD75518GF-089-3B9	
IC502	8-759-940-45	IC S-8054HN-CB-S	
IC503	8-759-160-98	IC BA3910	
IC552	8-759-932-86	IC BU4081BF	
IC603	8-759-823-81	IC LC7216M	
< COIL >			
L301	1-410-973-11	INDUCTOR 22uH	
L303	1-410-973-11	INDUCTOR 22uH	
L501	1-410-973-11	INDUCTOR 22uH	
L602	1-410-973-11	INDUCTOR 22uH	
< TRANSISTOR >			
Q101	8-729-920-21	TRANSISTOR DTC314TKH04	
Q102	8-729-920-21	TRANSISTOR DTC314TKH04	
Q103	8-729-920-21	TRANSISTOR DTC314TKH04	
Q201	8-729-920-21	TRANSISTOR DTC314TKH04	

MAIN

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q202	8-729-920-21	TRANSISTOR	DTC314TKH04	R128	1-216-864-11	METAL CHIP	0 5% 1/16W
Q203	8-729-920-21	TRANSISTOR	DTC314TKH04	R129	1-216-833-11	METAL CHIP	10K 5% 1/16W
Q301	8-729-020-67	TRANSISTOR	XN1A312-TX	R130	1-216-864-11	METAL CHIP	0 5% 1/16W
Q501	8-729-429-92	TRANSISTOR	XN1211	R131	1-216-857-11	METAL CHIP	1M 5% 1/16W
Q502	8-729-020-67	TRANSISTOR	XN1A312-TX	R200	1-249-437-11	CARBON	47K 5% 1/4W
Q504	8-729-100-66	TRANSISTOR	2SC1623-L6	R201	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q507	8-729-429-92	TRANSISTOR	XN1211	R202	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q508	8-729-209-15	TRANSISTOR	2SD2012	R203	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q511	8-729-106-60	TRANSISTOR	2SB1115A-YQ	R204	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q513	8-729-901-00	TRANSISTOR	DTC124EK	R205	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q514	8-729-020-67	TRANSISTOR	XN1A312-TX	R206	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q515	8-729-020-67	TRANSISTOR	XN1A312-TX	R207	1-216-843-11	METAL CHIP	68K 5% 1/16W
Q517	8-729-424-59	TRANSISTOR	UN2212	R208	1-216-843-11	METAL CHIP	68K 5% 1/16W
Q519	8-729-424-59	TRANSISTOR	UN2212	R209	1-216-089-00	METAL CHIP	47K 5% 1/10W
Q520	8-729-019-00	TRANSISTOR	2SD2394-G	R210	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q521	8-729-012-69	TRANSISTOR	2SB1073-QR	R211	1-216-075-00	METAL CHIP	12K 5% 1/10W
Q522	8-729-100-66	TRANSISTOR	2SC1623-L6	R211	1-216-082-00	METAL CHIP	24K 5% 1/10W (US, Canadian) (E)
Q523	8-729-424-59	TRANSISTOR	UN2212	R212	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q524	8-729-402-13	TRANSISTOR	XN1501	R213	1-216-833-11	METAL CHIP	10K 5% 1/16W
Q550	8-729-421-19	TRANSISTOR	UN2213	R214	1-216-838-11	METAL CHIP	27K 5% 1/16W
Q601	8-729-809-71	TRANSISTOR	2SK536	R215	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
Q605	8-729-424-59	TRANSISTOR	UN2212	R216	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
< RESISTOR >				R217	1-216-073-00	METAL CHIP	10K 5% 1/10W
R100	1-249-437-11	CARBON	47K 5% 1/4W	R218	1-216-073-00	METAL CHIP	10K 5% 1/10W
R101	1-216-081-00	METAL CHIP	22K 5% 1/10W	R224	1-216-134-00	METAL CHIP	2. 2 5% 1/8W
R102	1-216-081-00	METAL CHIP	22K 5% 1/10W	R225	1-216-134-00	METAL CHIP	2. 2 5% 1/8W
R103	1-216-081-00	METAL CHIP	22K 5% 1/10W	R226	1-216-134-00	METAL CHIP	2. 2 5% 1/8W
R104	1-216-081-00	METAL CHIP	22K 5% 1/10W	R227	1-216-134-00	METAL CHIP	2. 2 5% 1/8W
R105	1-216-085-00	METAL CHIP	33K 5% 1/10W	R228	1-216-833-11	METAL CHIP	10K 5% 1/16W
R106	1-216-085-00	METAL CHIP	33K 5% 1/10W	R229	1-216-833-11	METAL CHIP	10K 5% 1/16W
R107	1-216-843-11	METAL CHIP	68K 5% 1/16W	R230	1-216-833-11	METAL CHIP	10K 5% 1/16W
R108	1-216-843-11	METAL CHIP	68K 5% 1/16W	R231	1-216-833-11	METAL CHIP	10K 5% 1/16W
R109	1-216-089-00	METAL CHIP	47K 5% 1/10W	R302	1-216-001-00	METAL CHIP	10 5% 1/10W
R110	1-216-073-00	METAL CHIP	10K 5% 1/10W	R303	1-216-001-00	METAL CHIP	10 5% 1/10W
R111	1-216-075-00	METAL CHIP	12K 5% 1/10W (US, Canadian)	R304	1-216-001-00	METAL CHIP	10 5% 1/10W
R111	1-216-082-00	METAL CHIP	24K 5% 1/10W (E)	R305	1-216-815-11	METAL CHIP	330 5% 1/16W
R112	1-216-837-11	METAL CHIP	22K 5% 1/16W	R310	1-216-025-00	METAL CHIP	100 5% 1/10W
R113	1-216-833-11	METAL CHIP	10K 5% 1/16W	R311	1-216-025-00	METAL CHIP	100 5% 1/10W
R114	1-216-838-11	METAL CHIP	27K 5% 1/16W	R312	1-216-025-00	METAL CHIP	100 5% 1/10W
R115	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W	R501	1-216-829-11	METAL CHIP	4. 7K 5% 1/16W
R116	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W	R502	1-216-841-11	METAL CHIP	47K 5% 1/16W
R117	1-216-073-00	METAL CHIP	10K 5% 1/10W	R505	1-216-829-11	METAL CHIP	4. 7K 5% 1/16W
R118	1-216-073-00	METAL CHIP	10K 5% 1/10W	R506	1-216-051-00	METAL CHIP	1. 2K 5% 1/10W
R124	1-216-134-00	METAL CHIP	2. 2 5% 1/8W	R507	1-216-847-11	METAL CHIP	150K 5% 1/16W
R125	1-216-134-00	METAL CHIP	2. 2 5% 1/8W	R509	1-216-295-00	METAL CHIP	0 5% 1/10W
R126	1-216-134-00	METAL CHIP	2. 2 5% 1/8W	R510	1-216-089-00	METAL CHIP	47K 5% 1/10W
R127	1-216-134-00	METAL CHIP	2. 2 5% 1/8W	R511	1-216-841-11	METAL CHIP	47K 5% 1/16W
				R512	1-216-051-00	METAL CHIP	1. 2K 5% 1/10W
				R513	1-216-051-00	METAL CHIP	1. 2K 5% 1/10W

Ref.No.	Part No.	Description	Remark		
R514	1-216-035-00	METAL CHIP	270	5%	1/10W
R516	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R517	1-216-845-11	METAL CHIP	100K	5%	1/16W
R518	1-216-073-00	METAL CHIP	10K	5%	1/10W
R519	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R520	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R521	1-216-073-00	METAL CHIP	10K	5%	1/10W
R522	1-216-079-00	METAL CHIP	18K	5%	1/10W
R524	1-216-049-00	METAL CHIP	1K	5%	1/10W
R525	1-216-049-00	METAL CHIP	1K	5%	1/10W
R526	1-216-025-00	METAL CHIP	100	5%	1/10W
R527	1-216-049-00	METAL CHIP	1K	5%	1/10W
R528	1-216-025-00	METAL CHIP	100	5%	1/10W
R529	1-216-025-00	METAL CHIP	100	5%	1/10W
R530	1-216-073-00	METAL CHIP	10K	5%	1/10W
R531	1-216-073-00	METAL CHIP	10K	5%	1/10W
R534	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R535	1-216-089-00	METAL CHIP	47K	5%	1/10W
R536	1-216-073-00	METAL CHIP	10K	5%	1/10W
R541	1-216-089-00	METAL CHIP	47K	5%	1/10W
R542	1-216-105-00	METAL CHIP	220K	5%	1/10W
R543	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R545	1-216-049-00	METAL CHIP	1K	5%	1/10W
R546	1-216-037-00	METAL CHIP	330	5%	1/10W
R547	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R548	1-216-073-00	METAL CHIP	10K	5%	1/10W
R549	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R550	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R551	1-216-097-00	METAL CHIP	100K	5%	1/10W
R552	1-216-097-00	METAL CHIP	100K	5%	1/10W
R553	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R555	1-216-833-11	METAL CHIP	10K	5%	1/16W
R556	1-216-073-00	METAL CHIP	10K	5%	1/10W
R557	1-216-105-00	METAL CHIP	220K	5%	1/10W
R558	1-216-821-11	METAL CHIP	1K	5%	1/16W
R560	1-216-097-00	METAL CHIP	100K	5%	1/10W
R561	1-216-097-00	METAL CHIP	100K	5%	1/10W
R562	1-216-864-11	METAL CHIP	0	5%	1/16W
(US, Canadian)					
R562	1-216-845-11	METAL CHIP	100K	5%	1/10W (E)
R563	1-216-864-11	METAL CHIP	0	5%	1/16W
R567	1-216-049-00	METAL CHIP	1K	5%	1/10W
R568	1-216-837-11	METAL CHIP	22K	5%	1/16W
R569	1-216-837-11	METAL CHIP	22K	5%	1/16W
R571	1-216-821-11	METAL CHIP	1K	5%	1/16W
R572	1-216-105-00	METAL CHIP	220K	5%	1/10W
R573	1-216-105-00	METAL CHIP	220K	5%	1/10W
R582	1-216-105-00	METAL CHIP	220K	5%	1/10W
R583	1-216-845-11	METAL CHIP	100K	5%	1/16W
R585	1-216-073-00	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R586	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R587	1-216-851-11	METAL CHIP	330K	5%	1/16W
R588	1-216-841-11	METAL CHIP	47K	5%	1/16W
R589	1-216-845-11	METAL CHIP	100K	5%	1/16W
R590	1-216-841-11	METAL CHIP	47K	5%	1/16W
R591	1-216-841-11	METAL CHIP	47K	5%	1/16W
R592	1-216-821-11	METAL CHIP	1K	5%	1/16W
R593	1-216-833-11	METAL CHIP	10K	5%	1/16W
R594	1-216-073-00	METAL CHIP	10K	5%	1/10W
R599	1-218-292-11	METAL CHIP	20K	5%	1/10W
R600	1-216-821-11	METAL CHIP	1K	5%	1/16W
R601	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R602	1-216-073-00	METAL CHIP	10K	5%	1/10W
R603	1-216-821-11	METAL CHIP	1K	5%	1/16W
R604	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R605	1-216-073-00	METAL CHIP	10K	5%	1/10W
R606	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R607	1-216-073-00	METAL CHIP	10K	5%	1/10W
R608	1-216-043-00	METAL CHIP	560	5%	1/10W
(US, Canadian)					
R608	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (E)
R609	1-216-097-00	METAL CHIP	100K	5%	1/10W
R615	1-216-113-00	METAL CHIP	470K	5%	1/10W
R621	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R622	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R624	1-216-073-00	METAL CHIP	10K	5%	1/10W
R625	1-216-073-00	METAL CHIP	10K	5%	1/10W
R630	1-216-295-00	METAL CHIP	0	5%	1/10W
R631	1-216-049-00	METAL CHIP	1K	5%	1/10W
< SWITCH >					
SW501	1-572-272-11	SWITCH, SLIDE (POWER SEL)			
SW502	1-572-272-11	SWITCH, SLIDE (CHANNEL SPACE) (E)			
< THERMISTOR >					
TH501	1-806-715-11	THERMISTOR			
TH502	1-806-715-11	THERMISTOR			
< VIBRATOR >					
X301	1-567-820-21	VIBRATOR, CRYSTAL (16.934MHz)			
X502	1-579-886-21	VIBRATOR, CRYSTAL (32KHz)			
X503	1-567-776-21	VIBRATOR, CERAMIC (6MHz)			
X601	1-567-848-11	VIBRATOR, CRYSTAL (7.2MHz)			

Ref.No.	Part No.	Description	Remark
*	A-3222-526-A	MD BOARD, COMPLETE *****	
		< CAPACITOR >	
C1	1-126-206-11	ELECT CHIP 100uF	20% 6.3V
C2	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C3	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V
C4	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C5	1-126-206-11	ELECT CHIP 100uF	20% 6.3V
C6	1-126-206-11	ELECT CHIP 100uF	20% 6.3V
C7	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C8	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C9	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C10	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V
C11	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V
C12	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V
C13	1-163-011-11	CERAMIC CHIP 0.0015uF	10% 50V
C14	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C15	1-126-191-11	ELECT CHIP 0.47uF	20% 50V
C16	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C17	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V
C18	1-126-206-11	ELECT CHIP 100uF	20% 6.3V
C19	1-128-361-11	ELECT CHIP 470uF	20% 10V
C20	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C21	1-164-346-11	CERAMIC CHIP 1uF	16V
C22	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C23	1-164-346-11	CERAMIC CHIP 1uF	16V
C24	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C25	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C26	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C27	1-135-166-21	TANTALUM CHIP 47uF	10% 10V
C28	1-163-809-11	CERAMIC CHIP 0.047uF	10% 25V
C30	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V
C31	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V
C32	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V
C34	1-163-809-11	CERAMIC CHIP 0.047uF	10% 25V
		< JACK >	
CNJ1	1-565-728-11	CONNECTOR, FPC 17P	
* CNJ2	1-750-159-21	CONNECTOR, FPC 5P	
* CNJ3	1-750-160-21	CONNECTOR, FPC 7P	
* CNJ4	1-750-161-21	CONNECTOR, FPC 30P	
		< CONNECTOR >	
* CNP1	1-580-055-21	PIN, CONNECTOR 2P	
		< IC >	
IC1	8-752-059-30	IC CXA1610M	
IC2	8-752-351-94	IC CXD2515Q	

Ref.No.	Part No.	Description	Remark
IC3	8-759-823-87	IC LB1638M	
IC4	8-759-925-72	IC SN74HC02ANS	
IC5	8-759-087-55	IC MPC1732MR2	
IC6	8-759-087-53	IC MPC1730MR2	
		< JUMPER RESISTOR >	
JR1	1-216-295-00	METAL CHIP 0 5% 1/10W	
		< COIL >	
L1	1-412-058-11	INDUCTOR CHIP 10uH	
L2	1-412-058-11	INDUCTOR CHIP 10uH	
L3	1-412-058-11	INDUCTOR CHIP 10uH	
		< TRANSISTOR >	
Q1	8-729-018-00	PHOTO TRANSISTOR ST-308	
Q2	8-729-018-00	PHOTO TRANSISTOR ST-308	
Q4	8-729-018-00	PHOTO TRANSISTOR ST-308	
Q5	8-729-141-48	TRANSISTOR 2SB624-BV345	
		< RESISTOR >	
R1	1-216-024-00	METAL GLAZE 91 5% 1/10W	
R2	1-216-001-00	METAL CHIP 10 5% 1/10W	
R4	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R5	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R6	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R7	1-216-099-00	METAL CHIP 120K 5% 1/10W	
R8	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R9	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R10	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R11	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R12	1-216-835-11	METAL CHIP 15K 5% 1/16W	
R13	1-216-835-11	METAL CHIP 15K 5% 1/16W	
R14	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R15	1-216-839-11	METAL CHIP 33K 5% 1/16W	
R16	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R17	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R18	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R19	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R20	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R21	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R22	1-216-033-00	METAL CHIP 220 5% 1/10W	
R23	1-216-033-00	METAL CHIP 220 5% 1/10W	
R24	1-216-033-00	METAL CHIP 220 5% 1/10W	
R25	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R27	1-216-864-11	METAL CHIP 0 5% 1/10W	
R32	1-216-073-00	METAL CHIP 10K 5% 1/10W	

SEE ADDITIONAL INFORMATION

MD

MOTOR

SENSOR

Ref.No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV1	1-238-091-11	RES, ADJ, CERMET 22K	
RV2	1-238-091-11	RES, ADJ, CERMET 22K	
		< SWITCH >	
SW1	1-571-754-31	SWITCH, PUSH (1 KEY)	

*	1-646-397-11	MOTOR BOARD	

	1-646-402-11	MOTOR FLEXIBLE BOARD	
		< JACK >	
* CNJ303	1-750-160-21	CONNECTOR, FPC 7P	
		< CONNECTOR >	
* CNP301	1-580-055-21	PIN, CONNECTOR 2P	
* CNP302	1-580-055-21	PIN, CONNECTOR 2P	
		< SWITCH >	
S301	1-572-467-31	SWITCH, PUSH (1 KEY) (LIMIT)	

*	A-3222-525-A	SENSOR BOARD, COMPLETE	

	1-646-401-11	SENSOR FLEXIBLE BOARD	
		< DIODE >	
D801	8-719-029-26	DIODE EL-308	
D802	8-719-029-26	DIODE EL-308	
D804	8-719-029-26	DIODE EL-308	
		< RESISTOR >	
R801	1-216-045-00	METAL CHIP 680 5% 1/10W	
R802	1-216-045-00	METAL CHIP 680 5% 1/10W	
R804	1-216-045-00	METAL CHIP 680 5% 1/10W	
		< SWITCH >	
S901	1-692-441-11	SWITCH, MICRO (DISC DET)	

Ref.No.	Part No.	Description	Remark
		MISCELLANEOUS	

11	1-751-077-11	CORD (WITH CONNECTOR) (ANT)	
12	1-751-036-11	CORD (WITH CONNECTOR AND FUSE) (POWER)	
△ 152	8-848-283-11	OPTICAL PICK-UP BLOCK KSS-313A	
* CNJ801	1-691-558-21	SOCKET, CONNECTOR 12P	
M901	A-3252-628-A	MOTOR (SPINDLE) ASSY	
M902	A-3252-585-A	MOTOR (SL) ASSY	
M903	A-3252-580-A	MOTOR (L) ASSY	
S902	X-3366-172-1	SWITCH ASSY	

		ACCESSORIES & PACKING MATERIALS	

	1-751-036-11	CORD (WITH CONNECTOR AND FUSE) (POWER)	
*	3-355-207-01	CARDBOARD (E)	
*	3-387-250-01	CUSHION (UPPER)	
*	3-387-251-01	CUSHION (LOWER)	
*	3-387-254-01	INDIVIDUAL CARTON	
	3-756-447-21	MANUAL, INSTRUCTION (ENGLISH, FRENCH) (US, Canadian)	
	3-756-448-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (US, Canadian)	
	3-756-447-51	MANUAL, INSTRUCTION (ENGLISH, SPANISH, CHINESE) (E)	
	3-756-448-51	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, CHINESE) (E)	
	X-3365-034-1	CASE ASSY	

Note:

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

Note:

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 Remark

HARDWARE LIST

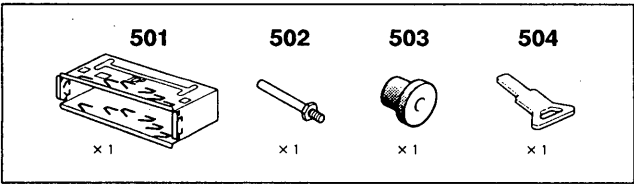
- #1 7-621-772-10 SCREW +B 2X4
- #2 7-624-101-01 STOP RING 1.2 (E TYPE)
- #3 7-627-853-57 PRECISION SCREW +P 2X5 TYPE3
- #4 7-685-105-19 SCREW +P 2X8 TYPE2 NON-SLIT
- #5 7-685-647-79 SCREW +P 3X10 TYPE2 SLIT

- #6 7-621-770-67 SCREW +PTT 2.6X6 (S)
- #7 7-621-770-XX SCREW +PTT 2.6X8 (S)
- #8 7-682-547-04 SCREW +PTT 3X6 (S)
- #11 7-621-771-06 SCREW +B 2X5
- #12 7-621-772-08 SCREW +B 2X3

- #13 7-621-772-60 SCREW +B 2X12
- #14 7-627-552-07 SCREW, PRECISION +P 1.7X2.5
- #15 7-627-552-47 SCREW, PRECISION +P 1.7X4
- #16 7-627-553-27 SCREW, PRECISION +P 2X2.5
- #17 7-627-553-37 SCREW, PRECISION +P 2X3

- #18 7-627-553-67 SCREW, PRECISION +P 2X5
- #19 7-627-553-18 SCREW, PRECISION +P 2X2

MOUNTING HARDWARE



- * 501 X-3366-235-1 FRAME ASSY
- 502 3-386-828-01 SCREW, FITTING
- 503 3-349-410-01 BUSHING
- 504 3-388-078-01 KEY

CDX-5460

SONY® SERVICE MANUAL

*US Model
Canadian Model
E Model*

SUPPLEMENT-1

File this supplement with the service manual.

1. DIAGRAMS

- 1-1. IC PIN DESCRIPTION
- 1-2. BLOCK DIAGRAM

2. TEST MODE

3. ELECTRICAL ADJUSTMENTS

SECTION 1

DIAGRAMS

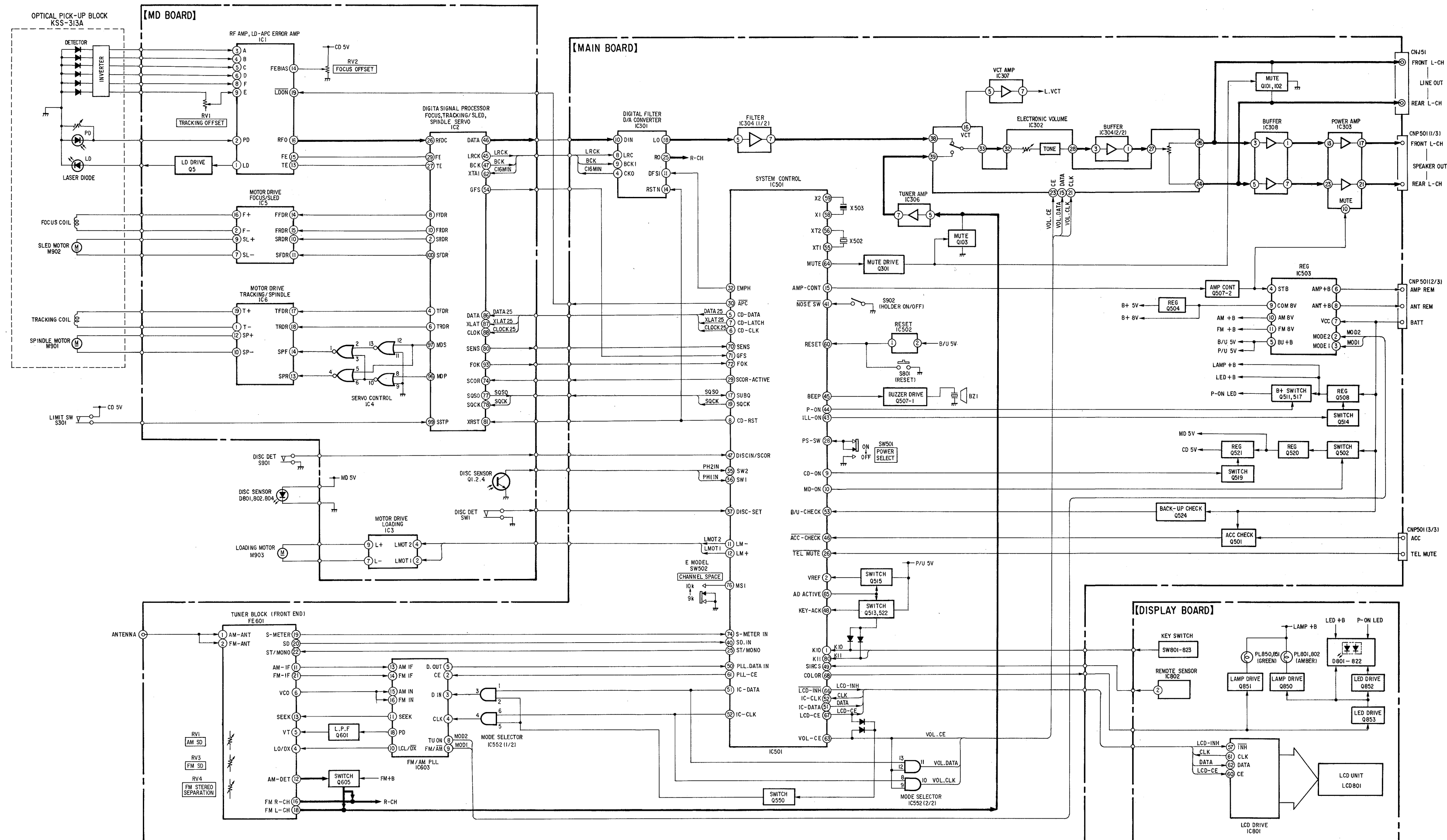
1-1. IC PIN DESCRIPTION

•IC501 SYSTEM CONTROL (μ PD75518GF-089-3B9)

Pin No.	Pin Name	I / O	Description									
1	KIO	I	Key input pin. (A/D conversion input.)									
2	VREF	I	Reference voltage input pin of A/D conversion pins.									
3	VDD	I	Power supply input. (5V)									
4	VDD	I										
5	CD DATA	O	SERIAL DATA output pin for the CD servo IC.									
6	CD CLK	O	SERIAL CLOCK output pin for the CD servo IC.									
7	CD LATCH	O	SERIAL DATA LATCH output pin for the CD servo IC.									
8	CD RST	O	CD servo IC resetting output pin.									
9	CD ON	O	Power supply ON/OFF control output pin. (CD servo IC)									
10	MD ON	O	Power supply ON/OFF control output pin. (Mechanism deck section)									
11	LM -	O	Loading motor control output pins. <table><tr><td></td><td>LM -</td><td>LM +</td></tr><tr><td>FWD (Loading)</td><td>L</td><td>H</td></tr><tr><td>REV (Eject)</td><td>H</td><td>L</td></tr></table>		LM -	LM +	FWD (Loading)	L	H	REV (Eject)	H	L
	LM -		LM +									
FWD (Loading)	L		H									
REV (Eject)	H	L										
12	LM +											
13	N.C	-	Not used.									
14	N.C	-										
15	AMP-CONT	O	MUTE output pin for power amp IC.									
16	SCLK	O	SERIAL CLOCK output pin.									
17	SUBQ	I	Q DATA input pin.									
18	N.C	-	Not used.									
19	SQCK	O	CLOCK output pin for reading the Q DATA.									
20	DIG OUT ON	-	Not used.									
21	N.C	-	Not used.									
22	N.C	-										
23	N.C	-										
24	PLL CLK	O	SERIAL CLOCK output pin for the LCD driver.									
25	ST/MONO	O	Output pin for switching control STEREO/MONO.									
26	TEL MUTE	I	Telephone MUTE input pin.									
27	TEST	I	When dropped to "L", TEST MODE will be set.									
28	PS SW	I	Power select SW input pin.									
29	SCOR ACT	O	Activate for SCOR line.									
30	APC	O	CD pick-up laser power ON/OFF control output.									
31	N.C	-	Not used.									
32	EMP ON	O	Outputs "L" when a DISC which has been pre-emphasized is played back.									
33	VSS	-	Connected GND.									
34	SW3	I	Not used.									
35	SW2	I	Mechanism deck sensor (loading/eject) input pin.									
36	SW1	I	Mechanism deck sensor (loading/eject) input pin.									
37	DISC SET	I	Mechanism deck sensor input pin. Detects the completion of the DISC chucking operation.									
38	DK IN	I	Not used.									
39	SK IN	I										

Pin No.	Pin Name	I / O	Description
40	SD IN	I	SD input pin.
41	NOSE SW	I	Front panel Ass'y removal and attaching detection.
42	LAMP ON	O	Not used.
43	ILL ON	O	RESET output pin for UNILINK system. Illumination control output pin.
44	P ON	O	ON/OFF control pin of the power supply.
45	BEEP	O	Alarm drive output pin.
46	ACC CHECK	I	ACC line ON/OFF detection.
47	DISC IN /SCOR	I	CD PLAY : SCOR input pin. Others : MD roller open/close detect input.
48	KEY ACK	I	Front panel key detecton.
49	SIRCS	I	SIRCS signal input pin.
50	PLL DATA IN	I	SERIAL DATA input pin.
51	IC DATA	O	SERIAL DATA output pin for the LCD driver.
52	IC CLK	O	SERIAL CLOCK output pin for the LCD driver.
53	BU CHECK	I	BATT line ON/OFF detection.
54	Vss	—	Connected to GND.
55	XT1	—	The SYSTEM CLOCK (32.768kHz) for internal clock.
56	XT2	—	
57	Vss	—	Input pin for system reset.
58	X1	—	The SYSTEM CLOCK (6.0MHz) for system control IC.
59	X2	—	
60	RESET	I	Input pin for system reset.
61	PLL CE	O	CLOCK enable output pin for the PLL IC.
62	N.C	—	Not used.
63	VOL CE	O	CE output pin to the electronic VOL IC.
64	MUTE	O	Audio MUTE output pin.
65	AD ACTIVE	O	VREF control pin of A/D conversion pins.
66	LCD INH	O	Pin which outputs INH to the LCD driver IC.
67	LCD CE	O	Pin which outputs CE to the LCD driver IC.
68	COLOR	O	Output pin for switching lighting colors. (AMBER/GREEN)
69	N.C	—	Not used.
70	SENS	I	SENS input pin from CD servo IC.
71	GFS	I	GFS input pin from CD servo IC.
72	FOK	I	FOK input pin fromt CD servo IC.
73	Vss	—	Connected to GND.
74	S-METER IN	I	S meter voltage detection pin.
75	DIG OUT	I	Connected to GND.
76	MS1	I	MODE select input pin.
77	MS0	I	
78	T GAIN CONT	I	Temperature detection (High)
79	F GAIN CONT	I	Temperature detection (Low)
80	KI1	I	Key input pin (A/D conversion input)

【MD BOARD】



SECTION 2 TEST MODE

Setting:

Method 1

Press keys in order of ④→⑤→① for 2sec. under OFF condition.

Method 2

Pin② of IC501 (SYSTEM CONTROL) → Connected to GND → **RESET** button (S801)

Note: While the TEST MODE is set, the following will be displayed on the LCD.
Bit display "SHUF".

Releasing:

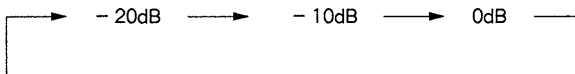
Press **OFF** key, or press **RESET** button (Open pin② of IC501).

LCD display test

All segments of the display are lit up at the beginning of test mode.

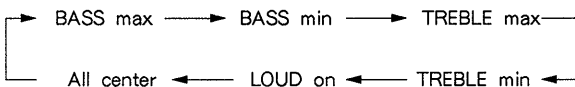
Electronic volume test

+ key :

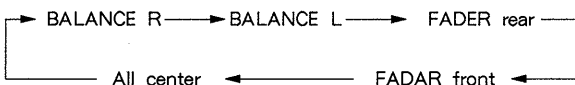


- key : normal operation

SEL key :



MUTE key :



CD SECTION

Audio Measurement Mode

When CD is played, the AUDIO MEASUREMENT MODE turns on.

When "YEDS-18" is played in the measuring mode, only the following Track No. will be played. (BANK function)
Each time the **4** key is pressed, the measuring mode turns on/off cyclically.

Note: AUDIO MEASUREMENT MODE PLAY Track No.
No. 2, 3, 6, 7, 8, 10, 12, 13, 17
(These have been set assuming that YEDS-18 will be used.)
While the audio measurement mode is set, the following will be displayed on the LCD.
Bit display "D. SCAN"

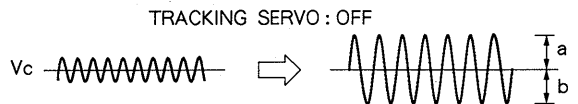
When YEDS-18 is used, the recording signals of the above TRKs are as follows.

TNO	CONTENTS	EMPHASIS	PURPOSE
2	1kHz Sine Wave 0dB L & R	OFF	Reference
3	20kHz Sine Wave 0dB L & R	OFF	Frequency
6	20kHz Sine Wave 0dB L & R	OFF	Modulation Noise
7	Infinity Zero -∞ dB L & R	OFF	S/N
8	1kHz Sine Wave 0dB L	OFF	Channel Separation
10	1kHz Sine Wave 0dB R		
12	5kHz Sine Wave -4.53dB L & R	ON	De emphasis
13	16kHz Sine Wave -9.04dB L & R		
17	1kHz Sine Wave -60dB L & R	OFF	Dynamic Range

Adjusting and Checking Functions

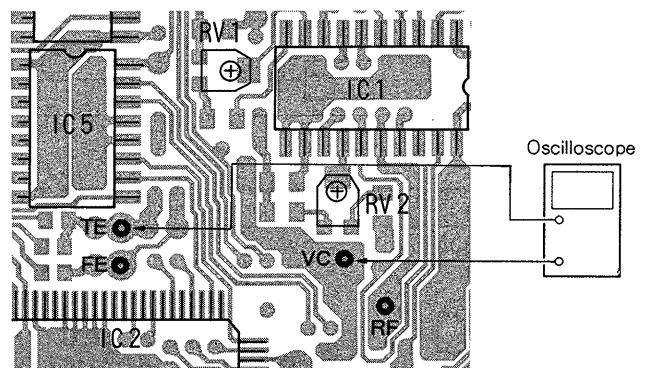
a) TRACKING OFFSET adjustment

Each time the **INTRO** key is pressed while the CD is played, the TRACKING SERVO turns on/off.
The bit display "INTRO" on the LCD will be lit while the TRACKING SERVO is off.



Adjustment Location and Measurement point:

[MD BOARD] (SIDE B)



Procedure:

Adjust RV1 so that the peak values of waveforms a and b become equal.

b) Focus search retry mode

Each time the **[REP]** key is pressed while the CD is played, the FOCUS SEARCH RETRY MODE turns on/off.

When the FOCUS does not turn on in the FOCUS SEARCH RETRY MODE, the FOCUS search is repeated. Once the FOCUS turns on, the unit sets into the PLAY condition.

During the FOCUS SEARCH RETRY MODE, the "REP" bit display on the LCD will be lit.

Note: This mode is for checking the unit when FOCUS cannot be set.

CD Error Display

During CD PLAY in the TEST MODE, the following ERROR displays will be shown when CD errors occur.

"E- n1 n2"

n1 to n2 are determined by ERROR symptoms as shown below.

n1	n2
1: SERVO ERROR	1: FOCUS ERROR 2: GFS ERROR 3: SLED MAX TIME OVER 4: SLED OVERRUN 5: TOC READ ERROR
3: LOADING /EJECT ERROR	1: MAX TIME OVER (When sensor is passed during loading.) 2: Loading of only 8cm CD, adaptor, etc. 3: MAX TIME OVER (Until chucking ends during loading.) 4: MAX TIME OVER (Until EJECT ends during ejecting.)
4: TRACK JUMP	1: FOCUS DOWN 2: TRACK JUMP 3: HANG UP
D: TEMP (HOT)	0
F: MD GIVE UP	7: EJT

TUNER SECTION

When the tuner is turned on in the TEST MODE, all bands will first be set to f_{center} .

SEEK STOP TEST Function

a) When the **[SEEK +]** key is pressed, the unit is set to a frequency -10 steps from the f_{center} and automatically seeks up to the f_{center} .

- If the unit seek stops at the f_{center} :
The unit sets into the f_{center} reception state. Preset No. "1" will be displayed.

- If the unit seeks up to the f_{center} and cannot seek stop :
It returns to the -10 step frequency and seeks up again.

- If the unit seek stops before the f_{center} :
The unit receives that frequency. Preset No. "3" will be displayed.

b) When the **[SEEK -]** key is pressed, the unit is set to a frequency $+10$ steps from the f_{center} and automatically seeks down to the f_{center} . Hereafter the same as the **[SEEK +]** key.

c) When the **[MANU +]** key is pressed, the unit is set to a frequency -10 steps from the f_{max} and seeks up. Hereafter the same as a) except that f_{center} is replaced by f_{max} .

d) Press the **[MANU -]** key to carry out normal MANUAL search down operations.

BAND SELECT

During TEST MODE, only the single band can be selected.

AGC CUT Function

In the AM ON condition, this function activates the **SEEK** port (IC603) and cuts AGC.

In the AGC CUT condition, the following displays on the LCD will light up.

Bit display "CHANGER"

When the **[M.SCAN/BTM]** key is pressed for more than two seconds, AGC CUT turns on/off cyclically. (The BTM function is unavailable.)

Note: Set the AGC CUT condition when adjusting the AM SEEK STOP sensitivity.

If the band changes from FM to AM, be sure to turn on the AGC CUT.

SD Signal Display
(For adjusting SEEK STOP LEVEL)

If the SD signal becomes high while a certain frequency is being received, after BAND displays such as “FM”, “AM”, etc. are shown, the following displays will light up.
“III” display

When the SD signal is low, nothing will be shown after the BAND is displayed.

BTM Signal Level Display Function
(For adjusting FM S meter)

When the M.SCAN key is pressed, the level of the S meter voltage of the A/D conversion input will be displayed. (Displayed at frequency display)
* Input FM f_{center} 35 dB μ at SG, and adjust the BTM signal level displayed to 0.6.
Press MANU + / - , etc. to return the frequency display.
M.SCAN operations are unavailable.

DESTINATION	BAND	f_{min}	f_{center}	f_{max}	step(SEEK)	step(MANUAL)
US, CND	FM	87.5MHz	97.9MHz	107.9MHz	200kHz	200kHz
	AM	530kHz	1000kHz	1710kHz	10kHz	10kHz
E (9kHz step)	FM	87.50MHz	98.00MHz	108.00MHz	50kHz	50kHz
	AM	531kHz	999kHz	1602kHz	9kHz	9kHz
E (10kHz step)	FM	87.50MHz	98.00MHz	108.00MHz	50kHz	50kHz
	AM	530kHz	1000kHz	1620kHz	10kHz	10kHz

Abbreviation CND : Canadian

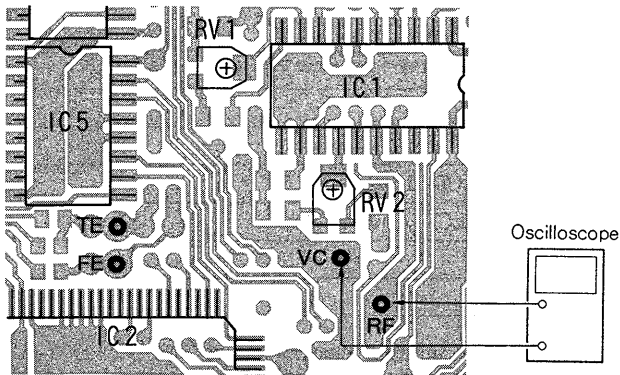
SECTION 3 ELECTRICAL ADJUSTMENTS

CD SECTION

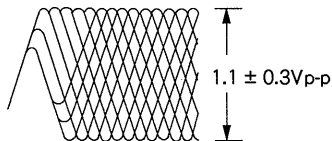
Focus Offset Adjustment

Adjustment Location and Measurement point:

【MD BOARD】(SIDE B)



Volt/div: 200mV
Time/div: 0.5 μsec



Procedure:

1. Connect the oscilloscope to test point **RF** on the MD board.
2. Load a disc and set mode to PLAY.
3. Adjust RV2 so that the waveform on the oscilloscope (eye pattern) is maximum with good shape. "Well-shaped eye pattern" means that the mark "◇" is clearly distinguished at the center of the waveform.

Tracking Offset Adjustment

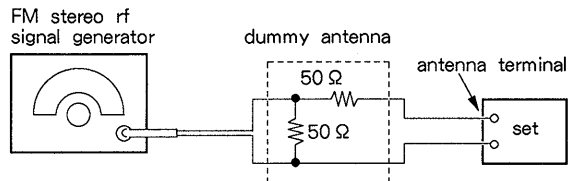
Refer to the "TEST MODE CD SECTION".

TUNER SECTION

FM Seek Stop Level Adjustment (FM SD Adjustment)

Setting:

Band : FM
Frequency : 97.9MHz (US, Canadian Model)
98MHz (E Model)

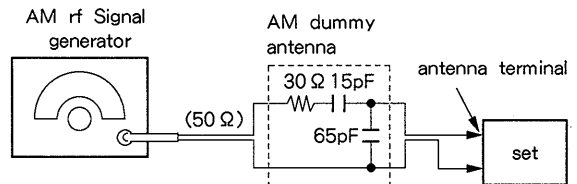


Carrier frequency : 97.9MHz (US, Canadian Model)
98MHz (E Model)
Modulation : 1kHz, 75kHz
Output level : 22dB (12.6 μV)

AM Seek Stop Level Adjustment (AM SD Adjustment)

Setting:

Band : AM
Frequency : 1000kHz (US, Canadian Model)
999kHz (E Model)



Carrier frequency : 1000kHz (US, Canadian Model)
999kHz (E Model)
Modulation : 400Hz 30 %
Output level : 32dB (40 μV)

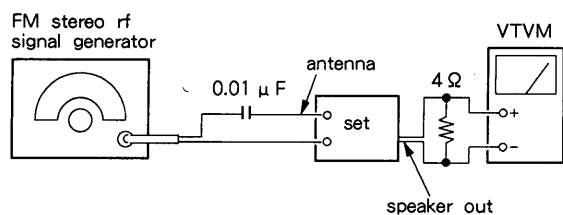
Procedure:

1. Set the "SD Signal Display" MODE of the TEST MODE.
2. Adjust RV3 (FM), RV1 (AM) of the TUNER UNIT, and erase the SD display "III" once.
3. Adjust RV3 (FM), RV1 (AM) so that a SD display lights up again.
4. Check with the "SEEK STOP TEST" function of the TEST MODE.

FM Stereo Separation Adjustment

Setting:

BAND : FM Stereo
 Frequency : 97.9MHz (US, Canadian Model)
 98MHz (E Model)



Carrier frequency : 97.9MHz (US, Canadian Model)
 98MHz (E Model)
 Modulation : Main channel : 1kHz, 33.75kHz deviation (45 %)
 Pilot signal : 18kHz, 7.5kHz deviation (10 %)
 Subchannel : 1kHz, 33.75kHz deviation (45 %)
 Output level : 1mV (More than 35dB)

Procedure:

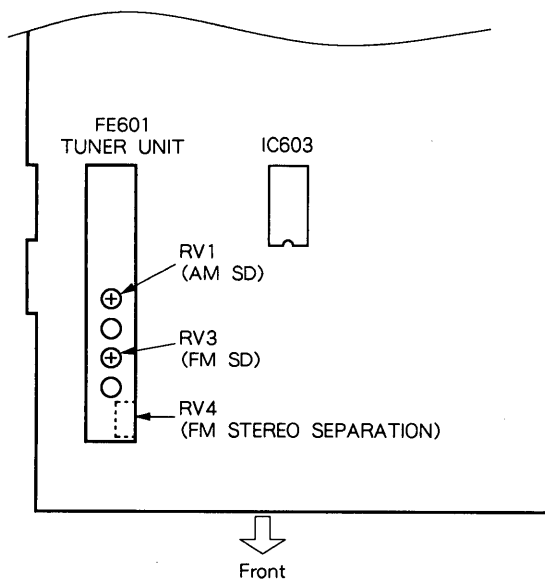
FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ [Ⓐ] Adjust RV4 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ [Ⓒ] Adjust RV4 for minimum reading.

Note: The separation values in the two channels should be identical.

$$\text{Ⓐ} - \text{Ⓑ} = \text{Ⓒ} - \text{Ⓓ}$$

Adjustment Location:

[MAIN BOARD] (SIDE A)



CDX-5460

SONY[®] SERVICE MANUAL

*US Model
Canadian Model
E Model*

SUPPLEMENT-2

File this supplement with the service manual.

Subject : Change notice for Main, and Display Boards.

1. DIAGRAMS

- 1-1. PRINTED WIRING BOARDS – MAIN Section –
- 1-2. SCHEMATIC DIAGRAMS – MAIN Section –
- 1-3. PRINTED WIRING BOARD – DISPLAY Section –
- 1-4. SCHEMATIC DIAGRAM – DISPLAY Section –

2. ELECTRICAL PARTS LIST

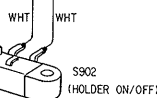
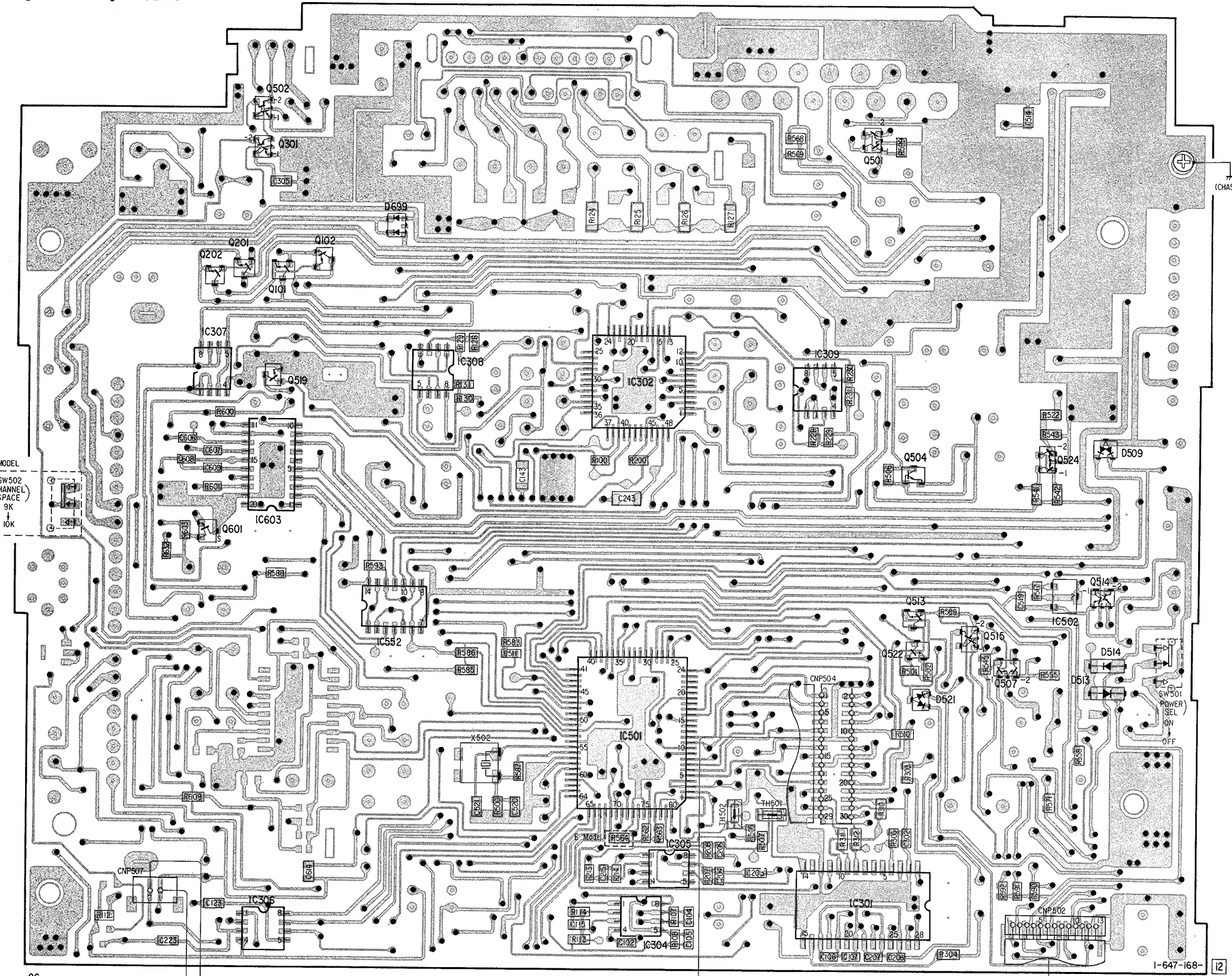
1. DIAGRAMS

• Semiconductor Location

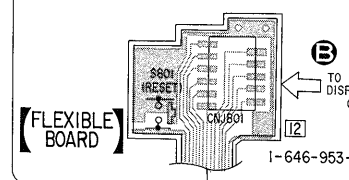
Ref. No.	Location
D101	D-21
D201	D-21
D500	J-21
D501	G-13
D502	B-15
D503	D-15
D504	D-16
D505	D-15
D506	D-15
D507	I-14
D508	I-13
D509	F-10
D510	F-15
D511	I-13
D512	F-14
D513	H-10
D514	H-10
D518	E-14
D521	H-9
D523	C-20
D526	J-13
D531	H-14
D532	H-14
D533	I-14
D534	D-16
D550	H-19
D599	J-13
D699	D-4
IC301	J-8
IC302	E-6
IC303	C-18
IC304	J-6
IC305	J-7
IC306	J-3
IC307	E-3
IC308	E-5
IC309	E-8
IC501	I-6
IC502	G-10
IC503	D-12
IC552	H-4
IC603	G-3
O101	E-3
O102	D-4
O201	D-3
O202	D-3
O301	C-3
O501	C-8
O502	C-3
O504	F-9
O507	H-10
O508	G-13
O511	H-13
O513	G-9
O514	G-10
O515	H-9
O517	G-13
O519	E-3
O520	C-20
O521	F-20
O522	H-9
O523	I-15
O524	F-10
O550	H-19
O601	G-3
O605	H-21

1-1. PRINTED WIRING BOARDS - MAIN Section -

[MAIN BOARD] (SIDE A)



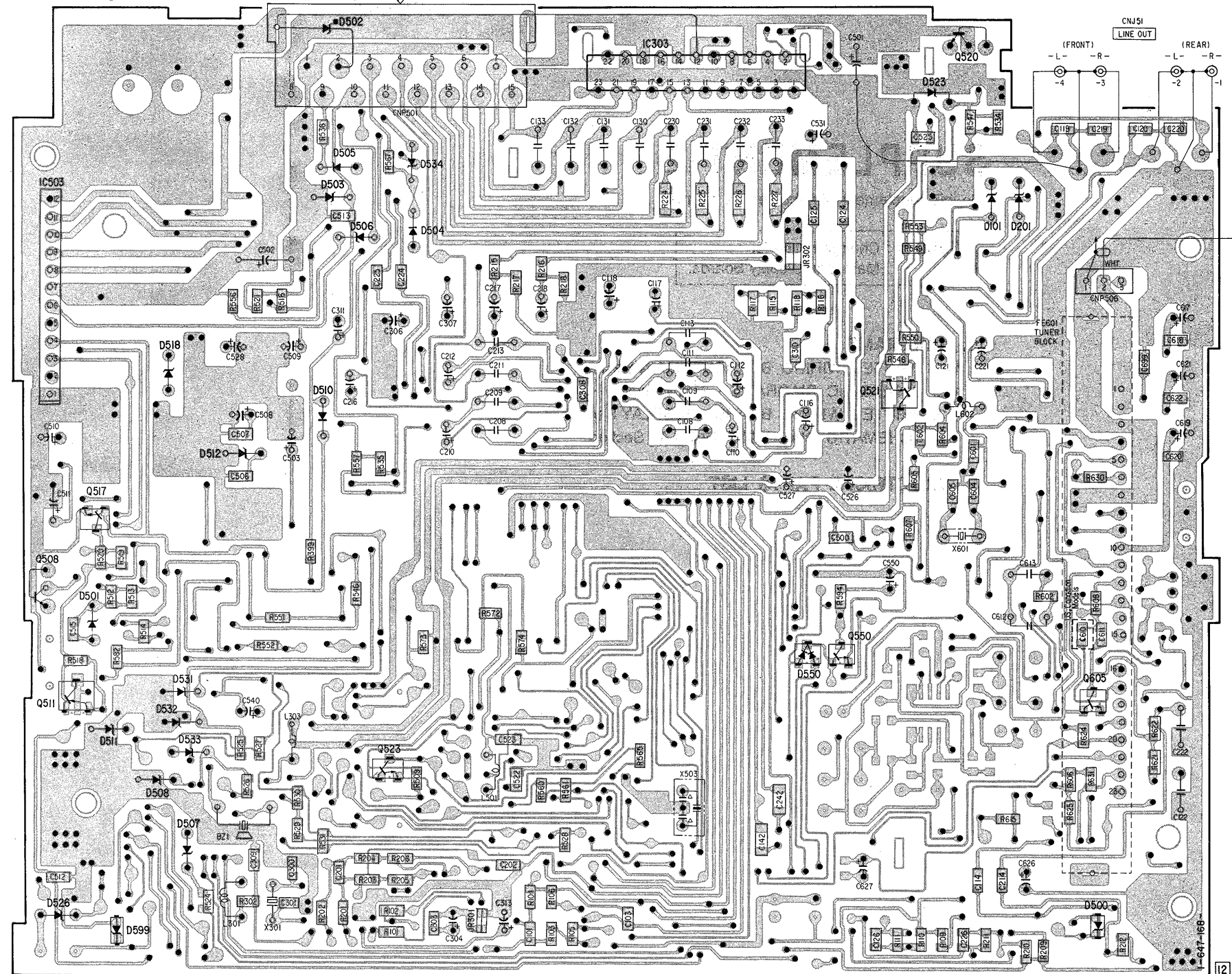
A

(See Page 17 in original)
service manual.

1-647-168-

1-646-953-

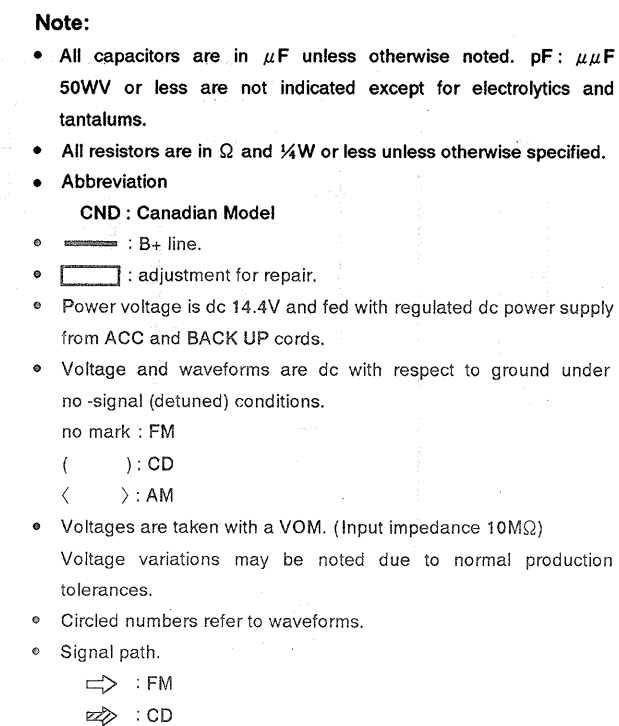
[MAIN BOARD] (SIDE B)

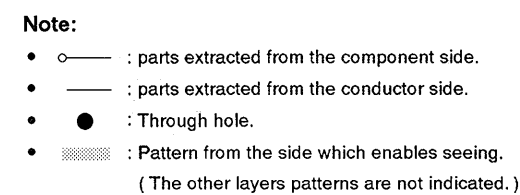


Note:

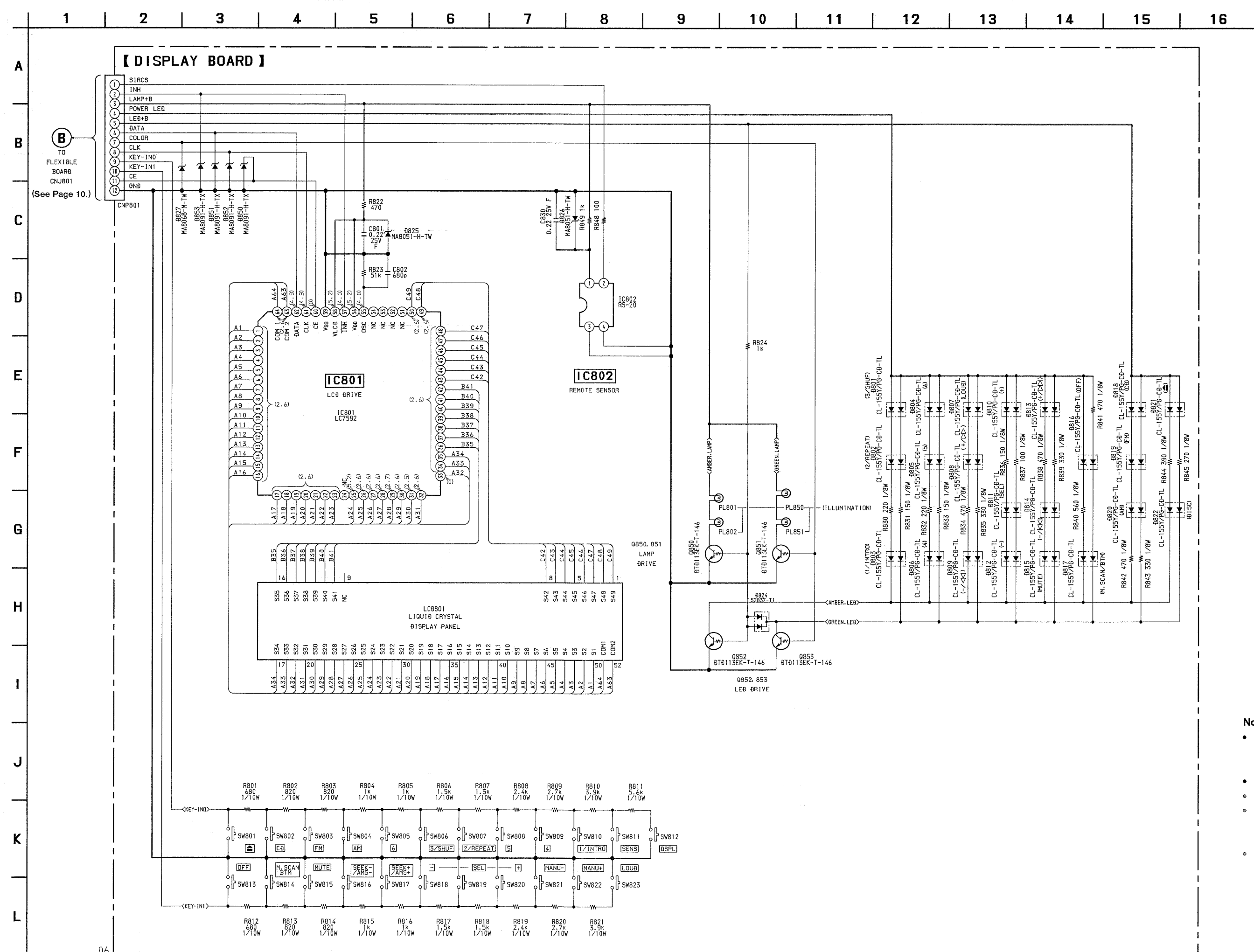
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- : Through hole.
- : Pattern from the side which enables seeing.
(The other layers patterns are not indicated.)
- : Abbreviation

CND : Canadian Model





Semiconductor Location	
Ref.	Location
D801	C-2
D802	C-3
D803	C-4
D804	B-2
D805	B-3
D806	B-4
D807	A-2
D808	A-3
D809	A-4
D810	A-5
D811	A-6
D812	A-7
D813	A-8
D814	A-9
D815	A-10
D816	C-10
D817	B-10
D818	C-1
D819	B-1
D820	A-1
D821	C-1
D822	C-6
D824	F-4
D825	F-9
D826	D-11
D827	F-6
D850	F-5
D851	E-4
D852	E-6
D853	E-4
IC801	E-8
IC802	C-10
Q850	F-3
Q851	F-5
Q852	F-3
Q853	F-5



Note:

- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F} : 50\text{VW}$ or less are not included except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- $\text{---} : \text{B} + \text{line}$.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- () : CD
- Voltages are taken with a VOM. (Input impedance $10\text{M}\Omega$)
- Voltage variations may be noted due to normal production tolerances.

2. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the part 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.

RESISTORS

All resistors are in ohms

METAL : Metal-film resistor

METAL OXIDE : Metal Oxide-film resistor

F : nonflammable

- Items marked " *" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SEMICONDUCTORS

In each case, μ : μ , for example :

μA ... : μA ..., μPA ... : μPA ...,

μPB ... : μPB ..., μPC ... : μPC ...,

μPD ... : μPD ...

CAPACITORS

μF : μF

COILS

μH : μH

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

Ref.No.	Part No.	Description	Remark
*	A-3295-382-A	DISPLAY BOARD, COMPLETE *****	
*	3-386-178-01	HOLDER (LCD)	
*	3-386-185-01	PLATE (LCD), LIGHT GUIDE	
*	3-386-190-01	SHEET (ILLUMINATOR)	
< CAPACITOR >			
C801	1-164-222-11	CERAMIC CHIP 0.22 μ F	25V
C802	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
C830	1-164-222-11	CERAMIC CHIP 0.22 μ F	25V
< CONNECTOR >			
* CNP801	1-691-557-21	PIN, CONNECTOR 12P	
< DIODE >			
D801	8-719-987-45	DIODE CL-155Y/PG-CD (3/SHUF)	
D802	8-719-987-45	DIODE CL-155Y/PG-CD (2/REPEAT)	
D803	8-719-987-45	DIODE CL-155Y/PG-CD (1/INTRO)	
D804	8-719-987-45	DIODE CL-155Y/PG-CD (6)	
D805	8-719-987-45	DIODE CL-155Y/PG-CD (5)	
D806	8-719-987-45	DIODE CL-155Y/PG-CD (4)	
D807	8-719-987-45	DIODE CL-155Y/PG-CD (LOUD)	
D808	8-719-987-45	DIODE CL-155Y/PG-CD (+/▷)	
D809	8-719-987-45	DIODE CL-155Y/PG-CD (-/◁)	
D810	8-719-987-45	DIODE CL-155Y/PG-CD (+)	
D811	8-719-987-45	DIODE CL-155Y/PG-CD (SEL)	
D812	8-719-987-45	DIODE CL-155Y/PG-CD (-)	
D813	8-719-987-45	DIODE CL-155Y/PG-CD (+/▷)	
D814	8-719-987-45	DIODE CL-155Y/PG-CD (-/◁)	
D815	8-719-987-45	DIODE CL-155Y/PG-CD (MUTE)	
D816	8-719-987-45	DIODE CL-155Y/PG-CD (OFF)	
D817	8-719-987-45	DIODE CL-155Y/PG-CD (M. SCAN/BTM)	
D818	8-719-987-45	DIODE CL-155Y/PG-CD (CD)	

Ref.No.	Part No.	Description	Remark
D819	8-719-987-45	DIODE CL-155Y/PG-CD (FM)	
D820	8-719-987-45	DIODE CL-155Y/PG-CD (AM)	
D821	8-719-987-45	DIODE CL-155Y/PG-CD (▲)	
D822	8-719-987-45	DIODE CL-155Y/PG-CD (DISC)	
D824	8-719-400-18	DIODE MA152WK	
D825	8-719-422-43	DIODE MA8051-H	
D826	8-719-422-43	DIODE MA8051-H	
D827	8-719-977-12	DIODE DTZ6.8B	
D850	8-719-422-97	DIODE MA8091-M	
D851	8-719-422-97	DIODE MA8091-M	
D852	8-719-422-97	DIODE MA8091-M	
D853	8-719-422-97	DIODE MA8091-M	
< IC >			
IC801	8-759-821-44	IC LC7582	
IC802	8-759-515-60	IC RS-20	
< LIQUID CRYSTAL DISPLAY >			
LCD801	1-808-983-21	DISPLAY PANEL, LIQUID CRYSTAL	
< PILOT LAMP >			
PL801	1-517-165-21	LAMP, PILOT (AMBER)	
PL802	1-517-165-21	LAMP, PILOT (AMBER)	
PL850	1-517-166-21	LAMP, PILOT (GREEN)	
PL851	1-517-166-21	LAMP, PILOT (GREEN)	
< TRANSISTOR >			
Q850	8-729-904-66	TRANSISTOR DTD113EK	
Q851	8-729-904-66	TRANSISTOR DTD113EK	
Q852	8-729-904-66	TRANSISTOR DTD113EK	
Q853	8-729-904-66	TRANSISTOR DTD113EK	

DISPLAY

FLEXIBLE

MAIN

Ref. No.	Part No.	Description	Remark
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< RESISTOR >

R801	1-216-647-11	METAL CHIP	680 0.5% 1/10W
R802	1-216-649-11	METAL CHIP	820 0.5% 1/10W
R803	1-216-649-11	METAL CHIP	820 0.5% 1/10W
R804	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R805	1-216-651-11	METAL CHIP	1K 0.5% 1/10W

R806	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W
R807	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W
R808	1-216-660-11	METAL CHIP	2.4K 0.5% 1/10W
R809	1-216-661-11	METAL CHIP	2.7K 0.5% 1/10W
R810	1-216-665-11	METAL CHIP	3.9K 0.5% 1/10W

R811	1-216-669-11	METAL CHIP	5.6K 0.5% 1/10W
R812	1-216-647-11	METAL CHIP	680 0.5% 1/10W
R813	1-216-649-11	METAL CHIP	820 0.5% 1/10W
R814	1-216-649-11	METAL CHIP	820 0.5% 1/10W
R815	1-216-651-11	METAL CHIP	1K 0.5% 1/10W

R816	1-216-651-11	METAL CHIP	1K 0.5% 1/10W
R817	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W
R818	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W
R819	1-216-660-11	METAL CHIP	2.4K 0.5% 1/10W
R820	1-216-661-11	METAL CHIP	2.7K 0.5% 1/10W

R821	1-216-665-11	METAL CHIP	3.9K 0.5% 1/10W
R822	1-216-041-00	METAL CHIP	470 5% 1/10W
R823	1-216-090-00	METAL CHIP	51K 5% 1/10W
R824	1-216-049-00	METAL CHIP	1K 5% 1/10W
R830	1-216-182-91	METAL GLAZE	220 5% 1/8W

R831	1-216-178-00	METAL GLAZE	150 5% 1/8W
R832	1-216-182-91	METAL GLAZE	220 5% 1/8W
R833	1-216-178-00	METAL GLAZE	150 5% 1/8W
R834	1-216-190-00	METAL GLAZE	470 5% 1/8W
R835	1-216-186-00	METAL GLAZE	330 5% 1/8W

R836	1-216-178-00	METAL GLAZE	150 5% 1/8W
R837	1-216-174-00	METAL GLAZE	100 5% 1/8W
R838	1-216-190-00	METAL GLAZE	470 5% 1/8W
R839	1-216-186-00	METAL GLAZE	330 5% 1/8W
R840	1-216-192-00	METAL CHIP	560 5% 1/8W

R841	1-216-190-00	METAL GLAZE	470 5% 1/8W
R842	1-216-190-00	METAL GLAZE	470 5% 1/8W
R843	1-216-186-00	METAL GLAZE	330 5% 1/8W
R844	1-216-188-00	METAL GLAZE	390 5% 1/8W
R845	1-216-184-00	METAL GLAZE	270 5% 1/8W

R848	1-216-025-00	METAL CHIP	100 5% 1/10W
R849	1-216-049-00	METAL CHIP	1K 5% 1/10W

< SWITCH >

SW801	1-692-386-21	SWITCH	(▲)
SW802	1-692-386-21	SWITCH	(CD)
SW803	1-692-386-21	SWITCH	(FM)
SW804	1-692-386-21	SWITCH	(AM)

Ref. No.	Part No.	Description	Remark
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SW805	1-692-386-21	SWITCH	(6)
SW806	1-692-386-21	SWITCH	(3/SHUF)
SW807	1-692-386-21	SWITCH	(2/REPEAT)
SW808	1-572-704-21	SWITCH, KEY BOARD	(5)
SW809	1-572-704-21	SWITCH, KEY BOARD	(4)

SW810	1-692-386-21	SWITCH	(1/INTRO)
SW811	1-692-386-21	SWITCH	(SENS)
SW812	1-692-386-21	SWITCH	(DSPL)
SW813	1-692-386-21	SWITCH	(OFF)
SW814	1-692-386-21	SWITCH	(M. SCAN/BTM)

SW815	1-572-704-21	SWITCH, KEY BOARD	(MUTE)
SW816	1-692-386-21	SWITCH	(SEEK-/AMS-)
SW817	1-692-386-21	SWITCH	(SEEK+/AMS+)
SW818	1-572-704-21	SWITCH, KEY BOARD	(-)
SW819	1-692-386-21	SWITCH	(SEL)

SW820	1-572-704-21	SWITCH, KEY BOARD	(+)
SW821	1-572-704-21	SWITCH, KEY BOARD	(MANU-)
SW822	1-572-704-21	SWITCH, KEY BOARD	(MANU+)
SW823	1-692-386-21	SWITCH	(LOUD)

1-646-953-11 FLEXIBLE BOARD

< JACK >

* CNJ801 1-691-558-21 SOCKET, CONNECTOR 12P

< SWITCH >

S801 1-554-371-51 SWITCH, TACT (RESET)

* A-3295-380-A MAIN BOARD, COMPLETE (US, Canadian)

* A-3295-384-A MAIN BOARD, COMPLETE (E)

7-682-547-04 SCREW +PTT 3X6 (S)
7-621-770-67 SCREW +PTT 2.6X6 (S)

< BUZZER >

BZ1 1-529-108-21 BUZZER, PIEZOELECTRIC

< CAPACITOR >

C101	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C102	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C103	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C104	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C105	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C106	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C107	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C108	1-136-161-00	FILM	0.047uF	5%	50V

Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description	Remark	
C109	1-130-479-00	MYLAR	0.0047uF	5% 50V	C225	1-164-005-11	CERAMIC CHIP	0.47uF	25V
C110	1-126-157-11	ELECT	10uF	20% 16V	C226	1-163-251-11	CERAMIC CHIP	100PF	5% 50V
C111	1-130-481-00	MYLAR	0.0068uF	5% 50V	C230	1-136-165-00	FILM	0.1uF	5% 50V
C112	1-126-157-11	ELECT	10uF	20% 16V	C231	1-136-165-00	FILM	0.1uF	5% 50V
C113	1-136-169-00	FILM	0.22uF	5% 50V	C232	1-136-165-00	FILM	0.1uF	5% 50V
C114	1-164-346-11	CERAMIC CHIP	1uF	16V	C233	1-136-165-00	FILM	0.1uF	5% 50V
C115	1-162-953-11	CERAMIC CHIP	100PF	5% 50V	C242	1-164-337-11	CERAMIC CHIP	2.2uF	16V
C116	1-124-234-00	ELECT	22uF	20% 16V	C243	1-164-337-11	CERAMIC CHIP	2.2uF	16V
C117	1-124-234-00	ELECT	22uF	20% 16V	C300	1-163-235-11	CERAMIC CHIP	22PF	5% 50V
C118	1-124-234-00	ELECT	22uF	20% 16V	C301	1-163-235-11	CERAMIC CHIP	22PF	5% 50V
C119	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V	C302	1-162-919-11	CERAMIC CHIP	22PF	5% 50V
C120	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V	C303	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C121	1-126-154-11	ELECT	47uF	20% 6.3V	C304	1-124-584-00	ELECT	100uF	20% 10V
C122	1-136-161-00	FILM	0.047uF 5% 50V (US, Canadian)		C305	1-164-005-11	CERAMIC CHIP	0.47uF	25V
C122	1-136-159-00	FILM	0.033uF 5% 50V (E)		C306	1-124-584-00	ELECT	100uF	20% 10V
C123	1-164-346-11	CERAMIC CHIP	1uF	16V	C307	1-126-157-11	ELECT	10uF	20% 16V
C124	1-164-005-11	CERAMIC CHIP	0.47uF	25V	C308	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V
C125	1-164-005-11	CERAMIC CHIP	0.47uF	25V	C309	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C126	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	C310	1-164-489-11	CERAMIC CHIP	0.22uF	10% 16V
C130	1-136-165-00	FILM	0.1uF	5% 50V	C311	1-124-234-00	ELECT	22uF	20% 16V
C131	1-136-165-00	FILM	0.1uF	5% 50V	C313	1-124-584-00	ELECT	100uF	20% 10V
C132	1-136-165-00	FILM	0.1uF	5% 50V	C500	1-163-139-00	CERAMIC CHIP	820PF	5% 50V
C133	1-136-165-00	FILM	0.1uF	5% 50V	C501	1-126-952-11	ELECT	1000uF	20% 16V
C142	1-164-337-11	CERAMIC CHIP	2.2uF	16V	C502	1-126-768-11	ELECT	2200uF	20% 16V
C143	1-164-337-11	CERAMIC CHIP	2.2uF	16V	C503	1-124-234-00	ELECT	22uF	20% 16V
C201	1-163-115-00	CERAMIC CHIP	82PF	5% 50V	C506	1-163-038-00	CERAMIC CHIP	0.1uF	25V
C202	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	C507	1-163-038-00	CERAMIC CHIP	0.1uF	25V
C203	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	C508	1-124-584-00	ELECT	100uF	20% 10V
C204	1-162-925-11	CERAMIC CHIP	68PF	5% 50V	C509	1-124-234-00	ELECT	22uF	20% 16V
C205	1-162-925-11	CERAMIC CHIP	68PF	5% 50V	C510	1-124-584-00	ELECT	100uF	20% 10V
C206	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C511	1-125-701-11	CAP, DOUBLE LAYER		0.047F
C207	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C512	1-163-038-00	CERAMIC CHIP	0.1uF	25V
C208	1-136-161-00	FILM	0.047uF	5% 50V	C513	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V
C209	1-130-479-00	MYLAR	0.0047uF	5% 50V	C514	1-163-009-11	CERAMIC CHIP	0.001uF	10% 50V
C210	1-126-157-11	ELECT	10uF	20% 16V	C515	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V
C211	1-130-481-00	MYLAR	0.0068uF	5% 50V	C519	1-164-227-11	CERAMIC CHIP	0.022uF	10% 25V
C212	1-126-157-11	ELECT	10uF	20% 16V	C520	1-163-229-11	CERAMIC CHIP	12PF	5% 50V
C213	1-136-169-00	FILM	0.22uF	5% 50V	C521	1-163-229-11	CERAMIC CHIP	12PF	5% 50V
C214	1-164-346-11	CERAMIC CHIP	1uF	16V	C522	1-163-038-00	CERAMIC CHIP	0.1uF	25V
C215	1-162-953-11	CERAMIC CHIP	100PF	5% 50V	C523	1-163-038-00	CERAMIC CHIP	0.1uF	25V
C216	1-124-234-00	ELECT	22uF	20% 16V	C525	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C217	1-124-234-00	ELECT	22uF	20% 16V	C526	1-128-057-11	ELECT	330uF	20% 6.3V
C218	1-124-234-00	ELECT	22uF	20% 16V	C527	1-128-057-11	ELECT	330uF	20% 6.3V
C219	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V	C528	1-127-556-11	ELECT (SOLID)	6.8uF	20% 16V
C220	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V	C531	1-124-234-00	ELECT	22uF	20% 16V
C221	1-126-154-11	ELECT	47uF	20% 6.3V	C540	1-128-057-11	ELECT	330uF	20% 6.3V
C222	1-136-161-00	FILM	0.047uF 5% 50V (US, Canadian)		C550	1-126-154-11	ELECT	47uF	20% 6.3V
C222	1-136-159-00	FILM	0.033uF 5% 50V (E)		C601	1-163-038-00	CERAMIC CHIP	0.1uF	25V
C223	1-164-346-11	CERAMIC CHIP	1uF	16V	C602	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C224	1-164-005-11	CERAMIC CHIP	0.47uF	25V	C604	1-163-097-00	CERAMIC CHIP	15PF	5% 50V

MAIN

Ref. No.	Part No.	Description	Remark
C605	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C606	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C607	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C608	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C609	1-162-953-11	CERAMIC CHIP 100PF	5% 50V
C610	1-163-038-00	CERAMIC CHIP 0.1uF 25V (US, Canadian)	
C611	1-164-489-11	CERAMIC CHIP 0.22uF	10% 16V
C612	1-136-169-00	FILM 0.22uF	5% 50V
C613	1-130-479-00	MYLAR 0.0047uF	5% 50V
C614	1-163-017-00	CERAMIC CHIP 0.0047uF	5% 50V
C617	1-124-589-11	ELECT 47uF	20% 16V
C618	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C619	1-124-589-11	ELECT 47uF	20% 16V
C620	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C621	1-128-054-11	ELECT 22uF	20% 10V
C622	1-164-222-11	CERAMIC CHIP 0.22uF	25V
C626	1-124-234-00	ELECT 22uF	20% 16V
C627	1-126-162-11	ELECT 3.3uF	20% 50V
C699	1-163-005-11	CERAMIC CHIP 470PF	10% 50V

< JACK >

CNJ51 1-750-175-11 JACK, PIN 4P (LINE OUT)

< CONNECTOR >

- * CNP501 1-750-064-11 PLUG, CONNECTOR 15P
- * CNP502 1-750-512-21 CONNECTOR, FPC 13P
- * CNP504 1-695-953-31 CONNECTOR, BOARD TO BOARD 30P
- * CNP506 1-750-241-21 PIN, CONNECTOR (PC BOARD) 3P
- * CNP507 1-695-320-11 PIN, CONNECTOR (1.5MM) (SMD) 2P

< DIODE >

D101	8-719-982-08	DIODE MTZJ-3.9B
D201	8-719-982-08	DIODE MTZJ-3.9B
D500	8-719-017-67	DIODE MA8068H
D501	8-719-921-82	DIODE MTZJ-12
D502	8-719-110-53	DIODE RD20ES-B2
D503	8-719-110-53	DIODE RD20ES-B2
D504	8-719-800-76	DIODE 1SS226
D505	8-719-921-60	DIODE MTZJ-T-916.8C
D506	8-719-921-96	DIODE MTZJ-16B
D507	8-719-026-90	DIODE MTZJ-T-915.6
D508	8-719-026-90	DIODE MTZJ-T-915.6
D509	8-719-104-34	DIODE 1S2836
D510	8-719-800-76	DIODE 1SS226
D511	8-719-921-59	DIODE MTZJ-T-916.8B
D512	8-719-109-89	DIODE RD5.6ESB2
D513	8-719-026-42	DIODE SFPB-74V
D514	8-719-026-42	DIODE SFPB-74V
D518	8-719-921-54	DIODE MTZJ-6.2B
D521	8-719-104-34	DIODE 1S2836

Ref. No.	Part No.	Description	Remark
D523	8-719-109-89	DIODE RD5.6ESB2	
D526	8-719-921-59	DIODE MTZJ-T-916.8B	
D531	8-719-921-59	DIODE MTZJ-T-916.8B	
D532	8-719-921-59	DIODE MTZJ-T-916.8B	
D533	8-719-921-43	DIODE MTZJ-5.1B	

D534	8-719-921-59	DIODE MTZJ-T-916.8B
D550	8-719-400-18	DIODE MA152WK
D599	8-719-017-67	DIODE MA8068H
D699	8-719-981-59	DIODE FC805

< FRONT END >

FE601 A-3282-000-A TUNER (TUX-001) (FM/AM)

< IC >

IC301	8-759-093-98	IC CXD8451M
IC302	8-752-063-44	IC CXA1646Q
IC303	8-759-160-00	IC HA13151
IC304	8-759-700-43	IC NJM4558M
IC305	8-759-700-43	IC NJM4558M
IC306	8-759-700-43	IC NJM4558M
IC307	8-759-924-46	IC BA4560F
IC308	8-759-700-43	IC NJM4558M
IC309	8-759-700-43	IC NJM4558M
IC501	8-759-188-05	IC uPD75518GF-130-3B9
IC502	8-759-940-47	IC S-8054HN-CB-T1
IC503	8-759-182-76	IC BA3910B-V3
IC552	8-759-932-86	IC BU4081BF
IC603	8-759-823-81	IC LC7216M

< JUMPER RESISTOR >

JR302 1-216-296-91 METAL GLAZE 0 5% 1/8W

< COIL >

L301	1-410-973-11	INDUCTOR 22uH
L303	1-410-973-11	INDUCTOR 22uH
L501	1-410-973-11	INDUCTOR 22uH
L602	1-410-973-11	INDUCTOR 22uH

< TRANSISTOR >

Q101	8-729-920-21	TRANSISTOR DTC314TKH04
Q102	8-729-920-21	TRANSISTOR DTC314TKH04
Q201	8-729-920-21	TRANSISTOR DTC314TKH04
Q202	8-729-920-21	TRANSISTOR DTC314TKH04
Q301	8-729-020-67	TRANSISTOR XN1A312-TX
Q501	8-729-429-92	TRANSISTOR XN1211
Q502	8-729-020-67	TRANSISTOR XN1A312-TX
Q504	8-729-422-27	TRANSISTOR 2SD601A-Q
Q507	8-729-429-92	TRANSISTOR XN1211
Q508	8-729-209-15	TRANSISTOR 2SD2012

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q511	8-729-106-60	TRANSISTOR	2SB1115A	R205	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q513	8-729-901-00	TRANSISTOR	DTC124EK	R206	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q514	8-729-020-67	TRANSISTOR	XN1A312-TX	R207	1-216-843-11	METAL CHIP	68K 5% 1/16W
Q515	8-729-020-67	TRANSISTOR	XN1A312-TX	R208	1-216-843-11	METAL CHIP	68K 5% 1/16W
Q517	8-729-424-59	TRANSISTOR	UN2212	R209	1-216-089-91	METAL GLAZE	47K 5% 1/10W
Q519	8-729-424-59	TRANSISTOR	UN2212	R210	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q520	8-729-019-00	TRANSISTOR	2SD2394-G	R211	1-216-075-00	METAL CHIP	12K 5% 1/10W
Q521	8-729-422-87	TRANSISTOR	2SB1073-R				(US, Canadian)
Q522	8-729-422-27	TRANSISTOR	2SD601A-Q	R211	1-216-082-00	METAL GLAZE	24K 5% 1/10W (E)
Q523	8-729-424-59	TRANSISTOR	UN2212	R212	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q524	8-729-402-13	TRANSISTOR	XN1501	R213	1-216-833-11	METAL CHIP	10K 5% 1/16W
Q550	8-729-421-19	TRANSISTOR	UN2213	R214	1-216-838-11	METAL CHIP	27K 5% 1/16W
Q601	8-729-809-71	TRANSISTOR	2SK536	R215	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
Q605	8-729-424-59	TRANSISTOR	UN2212	R216	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
< RESISTOR >				R217	1-216-073-00	METAL CHIP	10K 5% 1/10W
R100	1-216-841-11	METAL CHIP	47K 5% 1/16W	R218	1-216-073-00	METAL CHIP	10K 5% 1/10W
R101	1-216-081-00	METAL CHIP	22K 5% 1/10W	R224	1-216-134-00	METAL CHIP	2.2 5% 1/8W
R102	1-216-081-00	METAL CHIP	22K 5% 1/10W	R225	1-216-134-00	METAL CHIP	2.2 5% 1/8W
R103	1-216-081-00	METAL CHIP	22K 5% 1/10W	R226	1-216-134-00	METAL CHIP	2.2 5% 1/8W
R104	1-216-081-00	METAL CHIP	22K 5% 1/10W	R227	1-216-134-00	METAL CHIP	2.2 5% 1/8W
R105	1-216-085-00	METAL CHIP	33K 5% 1/10W	R228	1-216-833-11	METAL CHIP	10K 5% 1/16W
R106	1-216-085-00	METAL CHIP	33K 5% 1/10W	R229	1-216-833-11	METAL CHIP	10K 5% 1/16W
R107	1-216-843-11	METAL CHIP	68K 5% 1/16W	R230	1-216-833-11	METAL CHIP	10K 5% 1/16W
R108	1-216-843-11	METAL CHIP	68K 5% 1/16W	R231	1-216-833-11	METAL CHIP	10K 5% 1/16W
R109	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R302	1-216-001-00	METAL CHIP	10 5% 1/10W
R110	1-216-073-00	METAL CHIP	10K 5% 1/10W	R303	1-216-001-00	METAL CHIP	10 5% 1/10W
R111	1-216-075-00	METAL CHIP	12K 5% 1/10W	R304	1-216-001-00	METAL CHIP	10 5% 1/10W
			(US, Canadian)	R305	1-216-815-11	METAL CHIP	330 5% 1/16W
R111	1-216-082-00	METAL GLAZE	24K 5% 1/10W (E)	R310	1-216-025-00	METAL CHIP	100 5% 1/10W
R112	1-216-837-11	METAL CHIP	22K 5% 1/16W	R311	1-216-025-00	METAL CHIP	100 5% 1/10W
R113	1-216-833-11	METAL CHIP	10K 5% 1/16W	R312	1-216-025-00	METAL CHIP	100 5% 1/10W
R114	1-216-838-11	METAL CHIP	27K 5% 1/16W	R399	1-216-295-00	METAL CHIP	0 5% 1/10W
R115	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R500	1-216-133-00	METAL CHIP	3.3M 5% 1/10W
R116	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R501	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
R117	1-216-073-00	METAL CHIP	10K 5% 1/10W	R502	1-216-841-11	METAL CHIP	47K 5% 1/16W
R118	1-216-073-00	METAL CHIP	10K 5% 1/10W	R505	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
R124	1-216-134-00	METAL CHIP	2.2 5% 1/8W	R506	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R125	1-216-134-00	METAL CHIP	2.2 5% 1/8W	R507	1-216-847-11	METAL CHIP	150K 5% 1/16W
R126	1-216-134-00	METAL CHIP	2.2 5% 1/8W	R509	1-216-295-00	METAL CHIP	0 5% 1/10W
R127	1-216-134-00	METAL CHIP	2.2 5% 1/8W	R510	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R128	1-216-833-11	METAL CHIP	10K 5% 1/16W	R511	1-216-841-11	METAL CHIP	47K 5% 1/16W
R129	1-216-833-11	METAL CHIP	10K 5% 1/16W	R512	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R130	1-216-833-11	METAL CHIP	10K 5% 1/16W	R513	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R131	1-216-833-11	METAL CHIP	10K 5% 1/16W	R514	1-216-035-00	METAL CHIP	270 5% 1/10W
R200	1-216-841-11	METAL CHIP	47K 5% 1/16W	R516	1-216-067-00	METAL CHIP	5.6K 5% 1/10W
R201	1-216-081-00	METAL CHIP	22K 5% 1/10W	R517	1-216-845-11	METAL CHIP	100K 5% 1/16W
R202	1-216-081-00	METAL CHIP	22K 5% 1/10W	R518	1-216-073-00	METAL CHIP	10K 5% 1/10W
R203	1-216-081-00	METAL CHIP	22K 5% 1/10W	R519	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R204	1-216-081-00	METAL CHIP	22K 5% 1/10W	R520	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
				R521	1-216-073-00	METAL CHIP	10K 5% 1/10W

MAIN

Ref.No.	Part No.	Description	Remark
R522	1-216-079-00	METAL CHIP	18K 5% 1/10W
R524	1-216-049-00	METAL CHIP	1K 5% 1/10W
R525	1-216-049-00	METAL CHIP	1K 5% 1/10W
R526	1-216-025-00	METAL CHIP	100 5% 1/10W
R527	1-216-049-00	METAL CHIP	1K 5% 1/10W
R528	1-216-025-00	METAL CHIP	100 5% 1/10W
R529	1-216-025-00	METAL CHIP	100 5% 1/10W
R530	1-216-073-00	METAL CHIP	10K 5% 1/10W
R531	1-216-073-00	METAL CHIP	10K 5% 1/10W
R534	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R535	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R536	1-216-073-00	METAL CHIP	10K 5% 1/10W
R541	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R542	1-216-105-00	METAL CHIP	220K 5% 1/10W
R543	1-216-067-00	METAL CHIP	5.6K 5% 1/10W
R545	1-216-049-00	METAL CHIP	1K 5% 1/10W
R546	1-216-037-00	METAL CHIP	330 5% 1/10W
R547	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R548	1-216-073-00	METAL CHIP	10K 5% 1/10W
R549	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R550	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R551	1-216-097-00	METAL CHIP	100K 5% 1/10W
R552	1-216-097-00	METAL CHIP	100K 5% 1/10W
R553	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R555	1-216-833-11	METAL CHIP	10K 5% 1/16W
R556	1-216-073-00	METAL CHIP	10K 5% 1/10W
R557	1-216-105-00	METAL CHIP	220K 5% 1/10W
R558	1-216-821-11	METAL CHIP	1K 5% 1/16W
R560	1-216-097-00	METAL CHIP	100K 5% 1/10W
R561	1-216-097-00	METAL CHIP	100K 5% 1/10W
R562	1-216-864-11	METAL CHIP	0 5% 1/16W (US, Canadian)
R562	1-216-845-11	METAL CHIP	100K 5% 1/16W (E)
R563	1-216-864-11	METAL CHIP	0 5% 1/16W
R564	1-216-864-11	METAL CHIP	0 5% 1/16W (E)
R565	1-216-097-00	METAL CHIP	100K 5% 1/10W
R567	1-216-049-00	METAL CHIP	1K 5% 1/10W
R568	1-216-837-11	METAL CHIP	22K 5% 1/16W
R569	1-216-837-11	METAL CHIP	22K 5% 1/16W
R571	1-216-821-11	METAL CHIP	1K 5% 1/16W
R572	1-216-105-00	METAL CHIP	220K 5% 1/10W
R573	1-216-105-00	METAL CHIP	220K 5% 1/10W
R574	1-216-105-00	METAL CHIP	220K 5% 1/10W
R582	1-216-105-00	METAL CHIP	220K 5% 1/10W
R583	1-216-845-11	METAL CHIP	100K 5% 1/16W
R585	1-216-073-00	METAL CHIP	10K 5% 1/10W
R586	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R587	1-216-851-11	METAL CHIP	330K 5% 1/16W
R588	1-216-841-11	METAL CHIP	47K 5% 1/16W
R589	1-216-841-11	METAL CHIP	47K 5% 1/16W

Ref.No.	Part No.	Description	Remark
R590	1-216-841-11	METAL CHIP	47K 5% 1/16W
R591	1-216-841-11	METAL CHIP	47K 5% 1/16W
R592	1-216-821-11	METAL CHIP	1K 5% 1/16W
R593	1-216-833-11	METAL CHIP	10K 5% 1/16W
R594	1-216-073-00	METAL CHIP	10K 5% 1/10W
R599	1-218-292-11	METAL GLAZE	20K 5% 1/16W
R600	1-216-821-11	METAL CHIP	1K 5% 1/16W
R601	1-216-828-11	METAL CHIP	3.9K 5% 1/16W
R602	1-216-073-00	METAL CHIP	10K 5% 1/10W
R603	1-216-821-11	METAL CHIP	1K 5% 1/16W
R604	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
R605	1-216-073-00	METAL CHIP	10K 5% 1/10W
R606	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
R607	1-216-073-00	METAL CHIP	10K 5% 1/10W
R608	1-216-043-00	METAL CHIP	560 5% 1/10W (US, Canadian)
R608	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (E)
R609	1-216-097-00	METAL CHIP	100K 5% 1/10W
R615	1-216-113-00	METAL CHIP	470K 5% 1/10W
R621	1-216-059-00	METAL CHIP	2.7K 5% 1/10W
R622	1-216-059-00	METAL CHIP	2.7K 5% 1/10W
R624	1-216-073-00	METAL CHIP	10K 5% 1/10W
R625	1-216-073-00	METAL CHIP	10K 5% 1/10W
R630	1-216-295-00	METAL CHIP	0 5% 1/10W
R631	1-216-049-00	METAL CHIP	1K 5% 1/10W
R632	1-216-821-11	METAL CHIP	1K 5% 1/16W
< SWITCH >			
SW501	1-572-272-11	SWITCH, SLIDE (POWER SEL)	
SW502	1-572-272-11	SWITCH, SLIDE (CHANNEL SPACE) (E)	
< THERMISTOR >			
TH501	1-806-715-11	THERMISTOR	
TH502	1-806-715-11	THERMISTOR	
< VIBRATOR >			
X301	1-567-820-11	VIBRATOR, CRYSTAL (16.9344MHz)	
X502	1-579-886-21	VIBRATOR, CRYSTAL (32KHz)	
X503	1-567-776-21	VIBRATOR, CERAMIC (6MHz)	
X601	1-567-848-11	VIBRATOR, CRYSTAL (7.2MHz)	

CDX-5460

SONY[®] SERVICE MANUAL

*US Model
Canadian Model
E Model*

SUPPLEMENT-3

File this supplement with the service manual.

Subject:

1. Correction
2. Board-change of Mecha-Deck part

1. CORRECTION

Correct your service manual shown below.

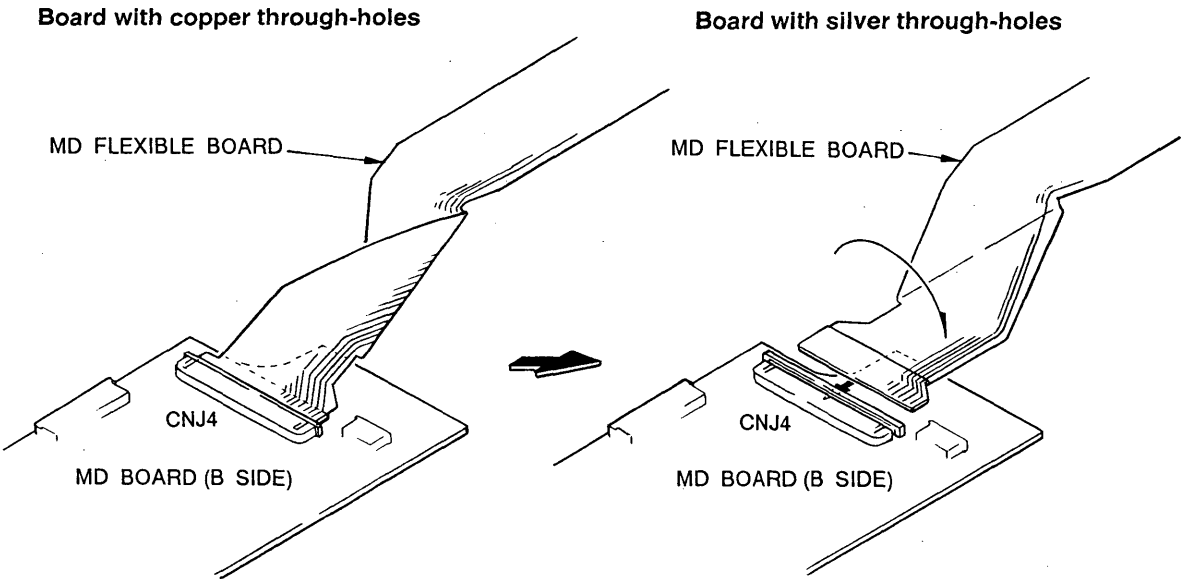
SPECIFICATIONS

Page	Incorrect	Correct
1 (Tuner section FM)	Sensitivity 12 dBf	Sensitivity 8 dBf

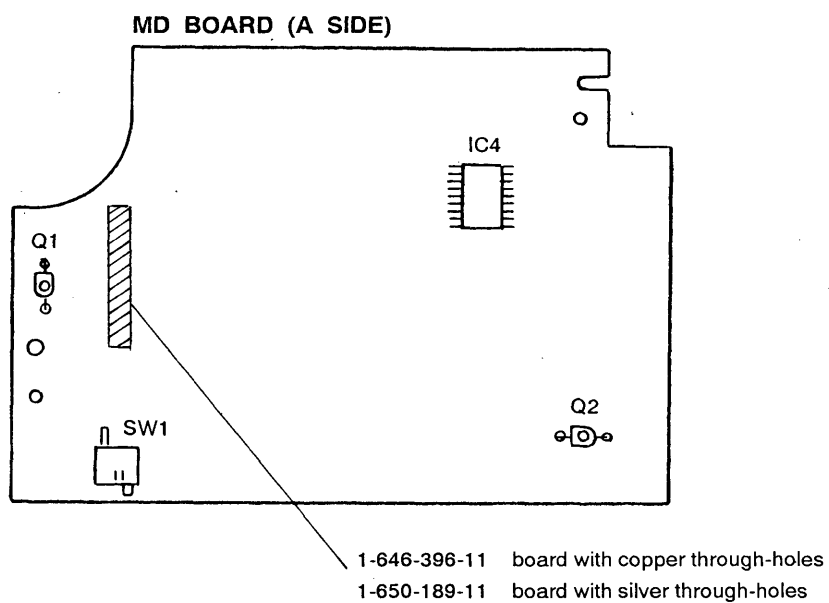
2. BOARD-CHANGE OF MECHA-DECK PART

Change has been made in the board of mecha-deck part from copper through hole board into silver through hole board on the way of producing this unit. This SUPPLEMENT-3 contains only the informations which are changed. Please refer to the service manual previously issued for the other informations.

The copper through hole board and the silver through hole board can be used vice versa, however, in attaching the MD Board (1-650-189-11) of the silver through hole board to the Mecha Deck of the copper through hole board, stick the MD Flexible Board (1-646-932-11) into the MD Board CNJ4 without bending the MD Flexible Board.



• MD BOARD DISCRIMINATION



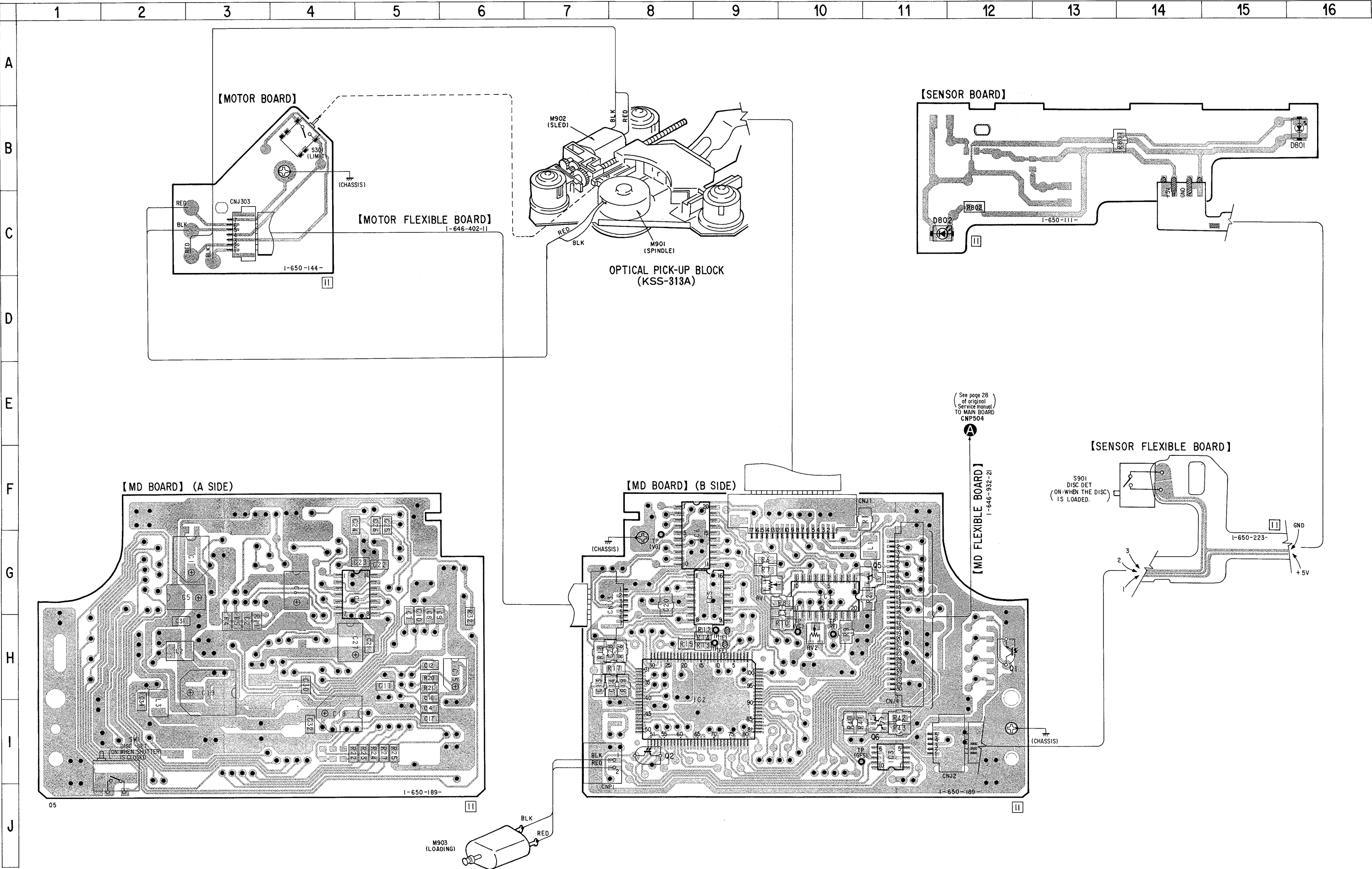
• Semiconductor Location

Ref. No.	Location
D801	B-16
D802	C-11
IC1	G-10
IC2	I-9
IC3	I-11
IC4	G-5
IC5	G-9
IC6	G-9
Q1	H-12
Q2	I-8
Q5	G-11
Q6	I-11

Note:

- — : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Through hole.
- ▨ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)





-  : B + Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark : CD STOP
- Voltages are taken with a VOM (10 M Ω /V).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 : CD

EXPLODED VIEWS

Page	Board with Copper Through-holes			Board with Silver Through-holes	
	Ref. No.	Part No.	Description	Part No.	Description
38	16	1-646-932-11	MD FLEXIBLE BOARD	1-646-932-21	MD FLEXIBLE BOARD
40	126	1-646-401-11	SENSOR FLEXIBLE BOARD	1-650-223-11	SENSOR FLEXIBLE BOARD
41	* 155	1-646-397-11	MOTOR BOARD	1-650-144-11	MOTOR BOARD

ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-3222-526-A	MD BOARD, COMPLETE *****				< CONNECTOR >	
		< CAPACITOR >		CNJ1	1-565-728-11	CONNECTOR, FPC 17P	
C1	1-126-206-11	ELECT CHIP 100uF	20% 6.3V	* CNJ2	1-750-159-21	CONNECTOR, FPC 5P	
C2	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	* CNJ3	1-750-160-21	CONNECTOR, FPC 7P	
C3	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	* CNJ4	1-764-441-21	CONNECTOR, FPC 30P	
C4	1-163-038-00	CERAMIC CHIP 0.1uF	25V	* CNP1	1-580-055-21	PIN, CONNECTOR 2P	
C5	1-135-166-21	TANTALUM CHIP 47uF	10% 10V			< IC >	
C6	1-135-166-21	TANTALUM CHIP 47uF	10% 10V	IC1	8-752-059-30	IC CXA1610M	
C7	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	IC2	8-752-367-16	IC CXD2515Q	
C8	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V	IC3	8-759-823-87	IC LB1638M	
C9	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	IC4	8-759-925-72	IC SN74HC02ANS	
C10	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	IC5	8-759-087-55	IC MPC1732MR2	
C11	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	IC6	8-759-087-53	IC MPC1730MR2	
C12	1-164-161-11	CERAMIC CHIP 0.0022uF	10% 100V			< COIL >	
C13	1-163-011-11	CERAMIC CHIP 0.0015uF	10% 50V	L1	1-412-058-11	INDUCTOR CHIP 10uH	
C14	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	L2	1-412-058-11	INDUCTOR CHIP 10uH	
C15	1-126-191-11	ELECT 0.47uF	20% 50V	L3	1-412-058-11	INDUCTOR CHIP 10uH	
C16	1-164-232-11	CERAMIC CHIP 0.01uF	50V			< TRANSISTOR >	
C17	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	Q1	8-729-018-00	TRANSISTOR ST-308	
C18	1-126-206-11	ELECT CHIP 100uF	20% 6.3V	Q2	8-729-018-00	TRANSISTOR ST-308	
C19	1-128-391-11	ELECT 330uF	20% 6.3V	Q5	8-729-141-48	TRANSISTOR 2SB624-BV345	
C20	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	Q6	8-729-425-24	TRANSISTOR XN4604	
C21	1-164-346-11	CERAMIC CHIP 1uF	16V			< RESISTOR >	
C22	1-163-038-00	CERAMIC CHIP 0.1uF	25V	R1	1-216-024-00	METAL GLAZE 91 5% 1/10W	
C23	1-164-346-11	CERAMIC CHIP 1uF	16V	R2	1-216-001-00	METAL CHIP 10 5% 1/10W	
C24	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R4	1-216-077-00	METAL CHIP 15K 5% 1/10W	
C25	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R5	1-216-073-00	METAL CHIP 10K 5% 1/10W	
C26	1-164-232-11	CERAMIC CHIP 0.01uF	50V	R6	1-216-073-00	METAL CHIP 10K 5% 1/10W	
C27	1-135-166-21	TANTALUM CHIP 47uF	10% 10V	R7	1-216-099-00	METAL CHIP 120K 5% 1/10W	
C28	1-163-809-11	CERAMIC CHIP 0.047uF	10% 25V	R8	1-216-081-00	METAL CHIP 22K 5% 1/10W	
C30	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	R9	1-216-075-00	METAL CHIP 12K 5% 1/10W	
C31	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	R10	1-216-075-00	METAL CHIP 12K 5% 1/10W	
C32	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	R11	1-216-083-00	METAL CHIP 27K 5% 1/10W	
C34	1-163-809-11	CERAMIC CHIP 0.047uF	10% 25V				

Ref.No.	Part No.	Description	Remark		
R12	1-216-835-11	METAL CHIP	15K	5%	1/16W
R13	1-216-835-11	METAL CHIP	15K	5%	1/16W
R14	1-216-845-11	METAL CHIP	100K	5%	1/16W
R15	1-216-839-11	METAL CHIP	33K	5%	1/16W
R16	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R17	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R18	1-216-073-00	METAL CHIP	10K	5%	1/10W
R19	1-216-121-00	METAL CHIP	1M	5%	1/10W
R20	1-216-097-00	METAL CHIP	100K	5%	1/10W
R21	1-216-073-00	METAL CHIP	10K	5%	1/10W
R22	1-216-033-00	METAL CHIP	220	5%	1/10W
R23	1-216-033-00	METAL CHIP	220	5%	1/10W
R24	1-216-033-00	METAL CHIP	220	5%	1/10W
R25	1-216-073-00	METAL CHIP	10K	5%	1/10W
R27	1-216-295-00	METAL CHIP	0	5%	1/10W
R32	1-216-073-00	METAL CHIP	10K	5%	1/10W
R40	1-216-073-00	METAL CHIP	10K	5%	1/10W
R41	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R42	1-216-073-00	METAL CHIP	10K	5%	1/10W
R43	1-216-065-00	METAL CHIP	4.7K	5%	1/10W

< VARIABLE RESISTOR >

RV1	1-238-091-11	RES, ADJ, CERMET	22K
RV2	1-238-091-11	RES, ADJ, CERMET	22K

< SWITCH >

SW1	1-571-754-31	SWITCH, PUSH (1 KEY) (DISC SET)
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*	1-650-144-11	MOTOR BOARD

< CONNECTOR >

* CNJ303	1-750-160-21	CONNECTOR, FPC 7P
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< SWITCH >

S301	1-572-467-21	SWITCH, PUSH (1 KEY) (LIMIT)
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*	A-3222-525-A	SENSOR BOARD, COMPLETE

		(Include SENSOR FLEXIBLE BOARD)

< DIODE >

D801	8-719-045-75	DIODE	CL-2001R-X-TU
D802	8-719-045-75	DIODE	CL-2001R-X-TU

Ref.No.	Part No.	Description	Remark		
< RESISTOR >					
R801	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R802	1-216-053-00	METAL CHIP	1.5K	5%	1/10W

	1-650-223-11	SENSOR FLEXIBLE BOARD			

< SWITCH >					
S901	1-692-441-11	SWITCH, MICROPHONE (DISC DET)			

CDX-5460

SONY[®] SERVICE MANUAL

US Model
Canadian Model
E Model

SUPPLEMENT-4

File this Supplement with the Service Manual.

Subject: EXPLODED VIEWS

(SPM-95036)

 : added portion

Page	INCORRECT			CORRECT		
	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
39				69	X-3366-439-1	PANEL ASSY, FRONT (Including Preset 1-6 button)
	