SERVICE MANUAL

US Model

Ver. 1.0 2008.01



HD Radio Broadcasting was approved by the Federal Communications Commission in October 2002 as the system for digital AM and FM broadcasting in the U.S.

HD Radio technology features include:

- Static-free, clear radio reception.
- FM Multicasting the ability to broadcast multiple program streams over a single FM frequency.
- A variety of "data services," including text-based information – artist name, song title, etc. scrolled across your receiver display.
- Digital broadcasts in the same frequencies as analog broadcasts; listeners do not need to learn a new station number and today's stations remain at their current place on the dial.

HD Radio technology is developed and licensed by iBiquity Digital Corporation and supported by the leaders of the broadcasting, consumer electronics and automotive industries.

HD Radio $^{\text{TM}}$ Technology Manufactured Under License From iBiquity Digital Corp. U.S. and Foreign Patents. HD Radio $^{\text{TM}}$ and the HD Radio logo are proprietary trademarks of iBiquity Digital Corp.

SPECIFICATIONS

Time display 12-hour system
Frequency range FM: 87.5 – 108 MHz

Recommended load impedance over 10 kΩ

Antenna terminal 75 Ω antenna terminal for FM Antenna terminal for AM

Power requirements 120 V AC, 60 Hz

Dimensions Approx. $180 \times 60 \times 160 \text{ mm (w/h/d)}$

 $(7^{17}/8 \times 2^{38} \times 6^{38})$ inches) not incl. projecting

parts and controls

Mass Approx. 1.1 kg (2 lb 6.8 oz) Supplied accessories Remote commander (1)

FM dipole antenna (1)
AM loop antenna (1)

Design and specifications are subject to change without notice.

FM/AM DIGITAL TUNER

SONY®

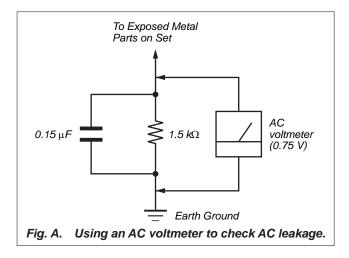
SAFETY CHECK-OUT

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

LEAKAGE TEST

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

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



Notes on chip component replacement

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

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the leadfree mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
 - Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
 - Soldering irons using a temperature regulator should be set to about 350 °C.
 - Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
 - Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
 It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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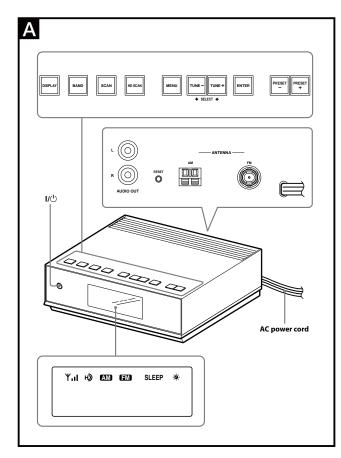
SAFETY-RELATED COMPONET WARNING!

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.

This section is extracted

from instruction manual.

SECTION 1 **GENERAL**



Preparing the remote commander

Installing the batteries into the remote commander (See Fig. **B**)

Insert two size AAA (R03) batteries (not supplied).

When to replace the batteries

With normal use, the batteries should last for about six months. When the remote commander no longer operates the unit, replace all the batteries with new ones.

- · Do not charge dry batteries
- When you are not going to use the remote commander for a long time, remove the batteries to avoid any damage caused by leakage and corrosion.

Setting the clock

- 1 Plug in the unit.
- The display will flash "AM 12:00."

 Press MENU to show the menu display.



3 Press **SELECT** ↑ or ↓ to select "TIME SET," then press **ENTER**.

The hour will start to flash in the display.



- 4 Press SELECT ↑ or ↓ until current hour appears in the display, then press ENTER. The hour is set and the minutes start to flash
- 5 Repeat step 4 to set the minute.

If you do not set the menu within 65 seconds, the setting

To change the display to the daylight saving time (summer time) indication

- Press MENU to show the menu display.
 Press SELECT ↑ or ↓ to select "DST," then
- press ENTER.
- 3 Press **SELECT** ↑ or ↓ to select "ON," then press **ENTER**.
 "**" appears and the time indication changes to

To deactivate the DST function, select "OFF" in step 3.

Playing the radio

-Manual tuning

- Press I/() to turn on the radio.
- Press **BAND** to select the band AM or FM.
- Press **TUNE +** or **-** to tune in to a desired

The frequency cannot be input with the number buttons of the remote commander.

-Preset tuning

You can preset 20 stations each for AM and FM.

Presetting a station

- 1 Follow steps 1 to 3 in "Manual tuning" to tune the frequency you wish to preset.

 2 Press and hold ENTER for a few seconds.
- The display changes as follow:



3 Press PRESET + or - to select the preset number, then press ENTER.
The frequency is stored in the selected preset

To preset another station, repeat these steps.

If you try to store another station in the same preset number, the previously stored station will be replaced.

- Press I/(¹) to turn on the radio.
 Press BAND to select the band AM or FM.
- **3** Press **PRESET +** or **-** to select the desired preset number.

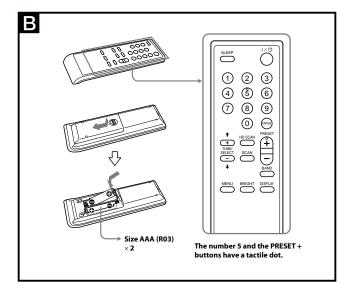
The preset can be selected by pressing the number button of the remote commander. Press **ENTER** after the preset number is selected.

-Scan tuning

The unit will automatically scan the selected band. In HD scan, HD Radio stations are scanned.

- Press **I**/**(**) to turn on the radio.
- 2 Press BAND to select the band AM or FM.3 Press SCAN or HD SCAN on the unit or
- remote commander.
 Scanning of the selected band starts.
 When a station is received, scanning pauses for 3 seconds and then continues.
- 4 When the unit tunes in to the desired station. do any of the following operations to stop
 - scanning.

 Press ENTER on the unit or remote commander.
 - Press SCAN or HD SCAN.
- 5 If necessary, press TUNE + or to tune in to the station more precisely.



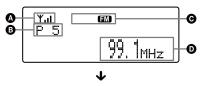
Changing the display mode and settings

To change the display mode

Press **DISPLAY**.

The display changes as follows:

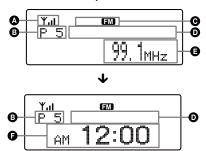
When an analog radio station is received





- A Field strength level indicator
- B Preset number
- Band
- Frequency
- G Current time
- * When you tune in a station by selecting a preset

When an analog FM broadcast that supports RBDS (Radio Broadcast Data System) is received





- Field strength level indicator
- Preset number:
- Θ Band
- Õ Station name

Name of station currently tuned in.

- Frequency
- Current time
- **Text information**

Text information transmitted from station.

* When you tune in a station by selecting a preset number.

The display item differs depending on the content of a broadcast or the station.

When an HD Radio station is received







HD indicator

HD indicator Reception status

Stays lit Strong HD signal, digital reception* Weak HD signal, analog reception Flashes

Not displayed No HD signal, analog reception

- * The HD indicator flashes momentarily at first, and then stays lit.
- Field strength level indicator
- Preset number*
- Call sign
- Band
- Song title/artist name
- Channel number (FM only)

Appears when HD Radio broadcasts multiple program.

Press **TUNE** + or - to select a sub channel.

- Frequency
- Current time
- Station name Text information
- st When you tune in a station by selecting a preset

Note

The display item differs depending on the content of a

To change the display settings (BRIGHTNESS/CONTRAST)

- Press **MENU** to show the menu display.
- 2 Press **SELECT** ↑ or ↓ to select "BRIGHTNESS" or "CONTRAST," then press ENTER.
- **3** Press **SELECT** ↑ or ↓ to select the setting or to adjust the level, then press $\mbox{\bf ENTER}.$

BRIGHTNESS:

The brightness of the display is selected from "HIGH," "MIDDLE" or "LOW."

The contrast of the display can be adjusted by

Note

If you do not set the menu within 10 seconds, the setting mode is off.

You can adjust "BRIGHTNESS" directly by pressing **BRIGHT** on the remote commander.

Setting the sleep timer

You can enjoy falling asleep to the radio using the builtin sleep timer that turns off the radio automatically after a preset duration.

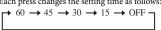
 Press SLEEP on the remote commander. "SLEEP" and the digits for the sleep timer duration appear.



If you press SLEEP while the unit is turned off, the

Press **SLEEP** repeatedly to select the desired sleep timer setting.

Each press changes the setting time as follows:



After about 4 seconds, "SLEEP" lights in the display when the duration time is set.

The unit automatically turns off when the duration time

To change the sleep timer setting

You can press **SLEEP** repeatedly to select the desired sleep timer setting even after the sleep timer has been activated.

To deactivate the sleep timer

Press I/ to turn off the unit before the setting time has elapsed, or press **SLEEP** repeatedly to set the sleep timer to "SLEEP OFF" in step 2.

These operations are available only when using the

Resetting the unit

The RESET button is located on the rear of the unit. Press this button with a pointed object if the radio fails to function properly. The clock settings and stations you have preset, etc., will revert to the factory preset.

Using the remote commander

Buttons shared on both the remote commander and the unit control the same functions.

HD SCAN button

The selected band is scanned, and receivable HD Radio stations are received for 3 seconds in order of frequency.

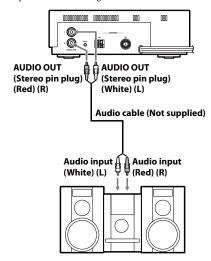
The selected band is scanned, and receivable radio stations are received for 3 seconds in order of frequency.

BRIGHT button

To adjust the brightness of the display.

Connecting the system

This section describes how to hook up the unit to the audio system. Be sure to turn off the power of each component before making the connections.



Notes

- Install this system so that the power cord can be unplugged from the wall socket immediately in the event of trouble.
- If noise occurs, separate the unit from other components.
- Noise may occur during AM reception if the unit is connected to a digital amplifier or a component equipped with a digital amplifier.

Connecting the antenna

To connect the AM loop antenna

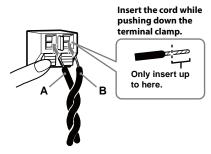
The shape and the length of the antenna is designed to receive AM signals. Do not dismantle or roll up the antenna.

- **1** Remove only the loop part from the plastic stand.
- **2** Set up the AM loop antenna.



3 Connect the cords to the AM antenna terminals.

Cord (A) or cord (B) can be connected to either terminal.



4 Make sure the AM loop antenna is connected firmly by pulling softly.

Adjusting the AM loop antenna

Find a place and an orientation that provide good reception.

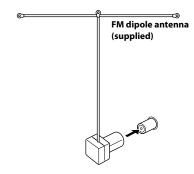
• Do not place the AM loop antenna near the unit or other AV equipment, as noise may result.

Tip

Adjust the direction of the AM loop antenna for best AM broadcast sound.

To connect the FM antenna

This unit comes supplied with an FM dipole antenna. Connect an antenna that provides good reception to the FM antenna terminal.



Adjusting the FM dipole antenna

Be sure to fully extend the FM dipole antenna. Attach the antenna in the shape of a T to a high position on a wall away from this unit.

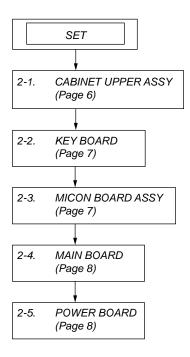
Tip

If you have poor FM reception, use a 75 Ω coaxial cable (not supplied) to connect the unit to an outdoor FM antenna as shown below.



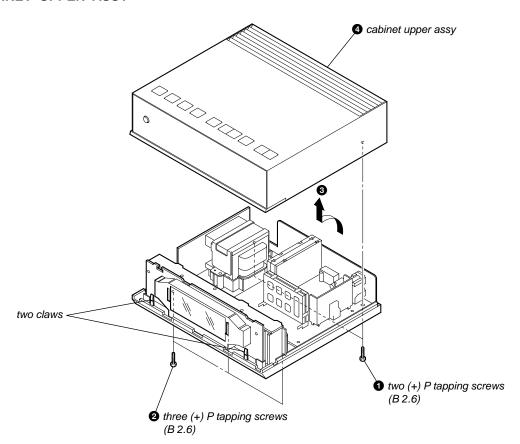
SECTION 2 DISASSEMBLY

Note: This set can be disassemble according to the following sequence.

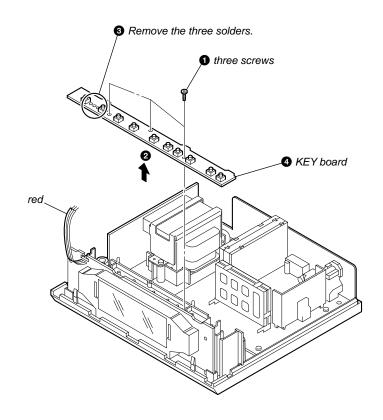


 $\textbf{Note:} \quad \text{Follow the disassembly procedure in the numerical order given}.$

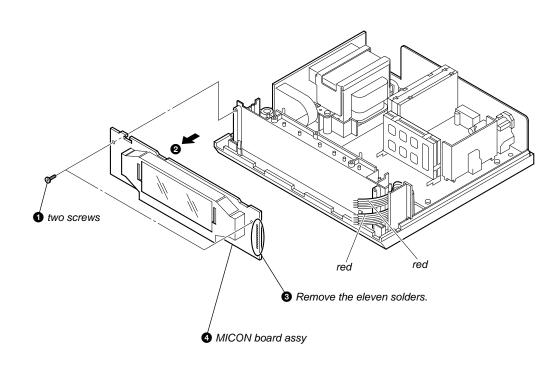
2-1. CABINET UPPER ASSY



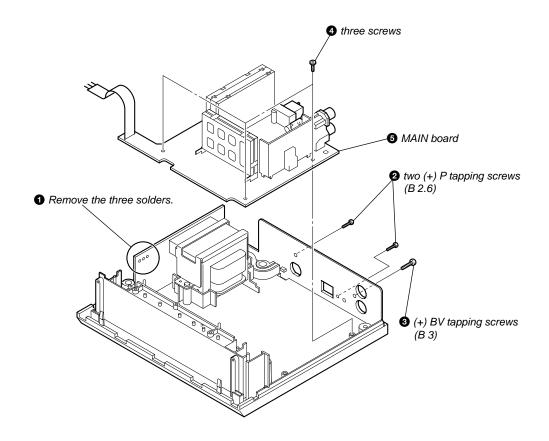
2-2. KEY BOARD



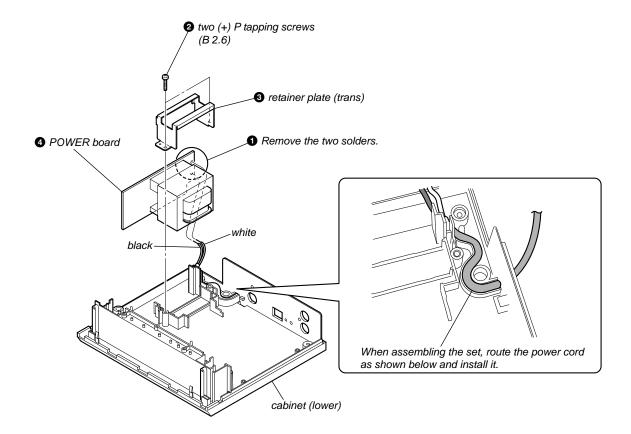
2-3. MICON BOARD ASSY



2-4. MAIN BOARD



2-5. POWER BOARD



<u>MEMO</u>

SECTION 3 DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS. (In addition to this, the necessary note is printed in each block.)

For Printed Wiring Boards.

Note:

- • ----: Parts extracted from the component side.
- Pattern from the side which enables seeing.

For Schematic Diagrams.

Note:

- All capacitors are in µF unless otherwise noted. (p: pF)
 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^{1}\!/_{4}$ W or less unless otherwise specified.
- %: indicates tolerance.
- △ : internal component.
- panel designation.

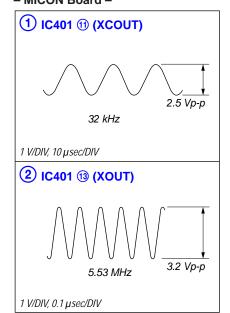
- === : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

no mark: FM1

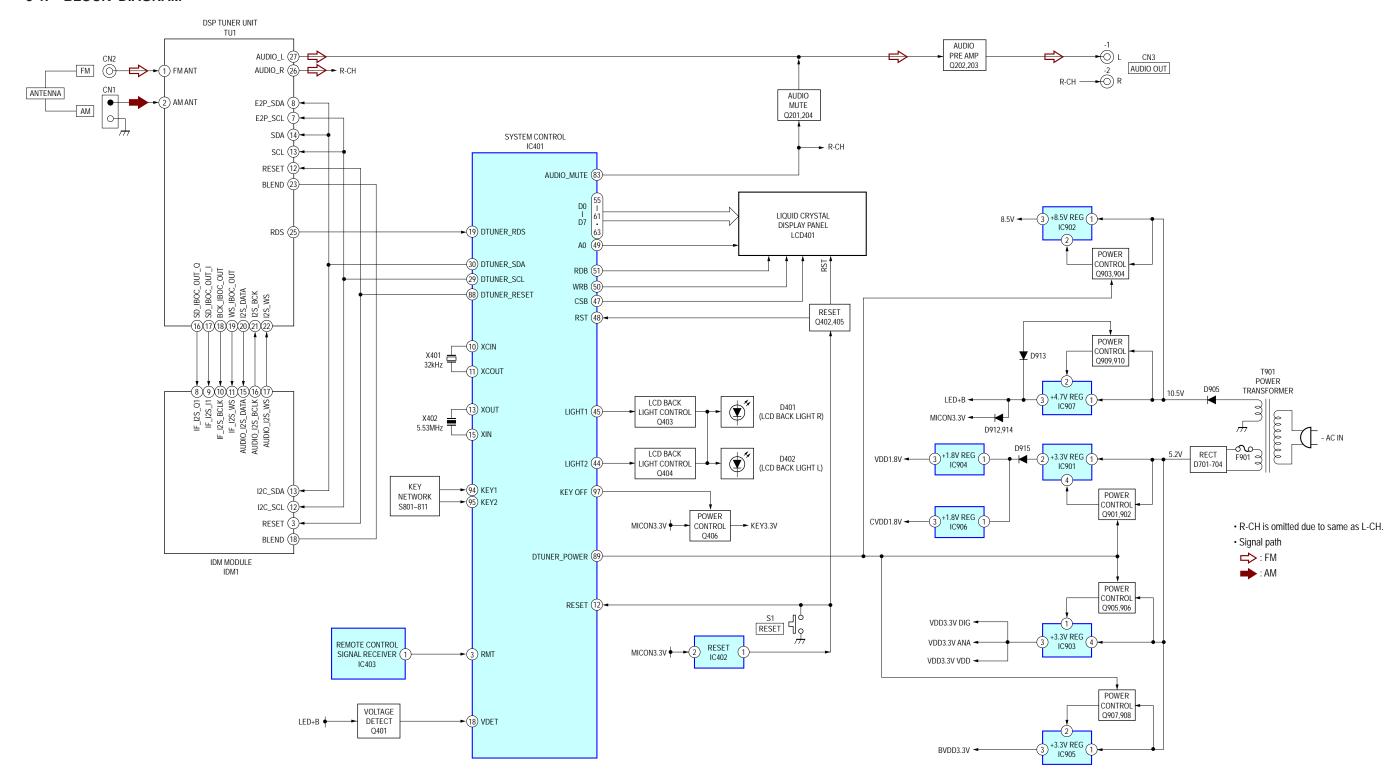
- Voltages are taken with VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
 Voltage variations may be noted due to normal production tolerances.
- · Circled numbers refer to waveforms.
- Signal path.

: FM : AM

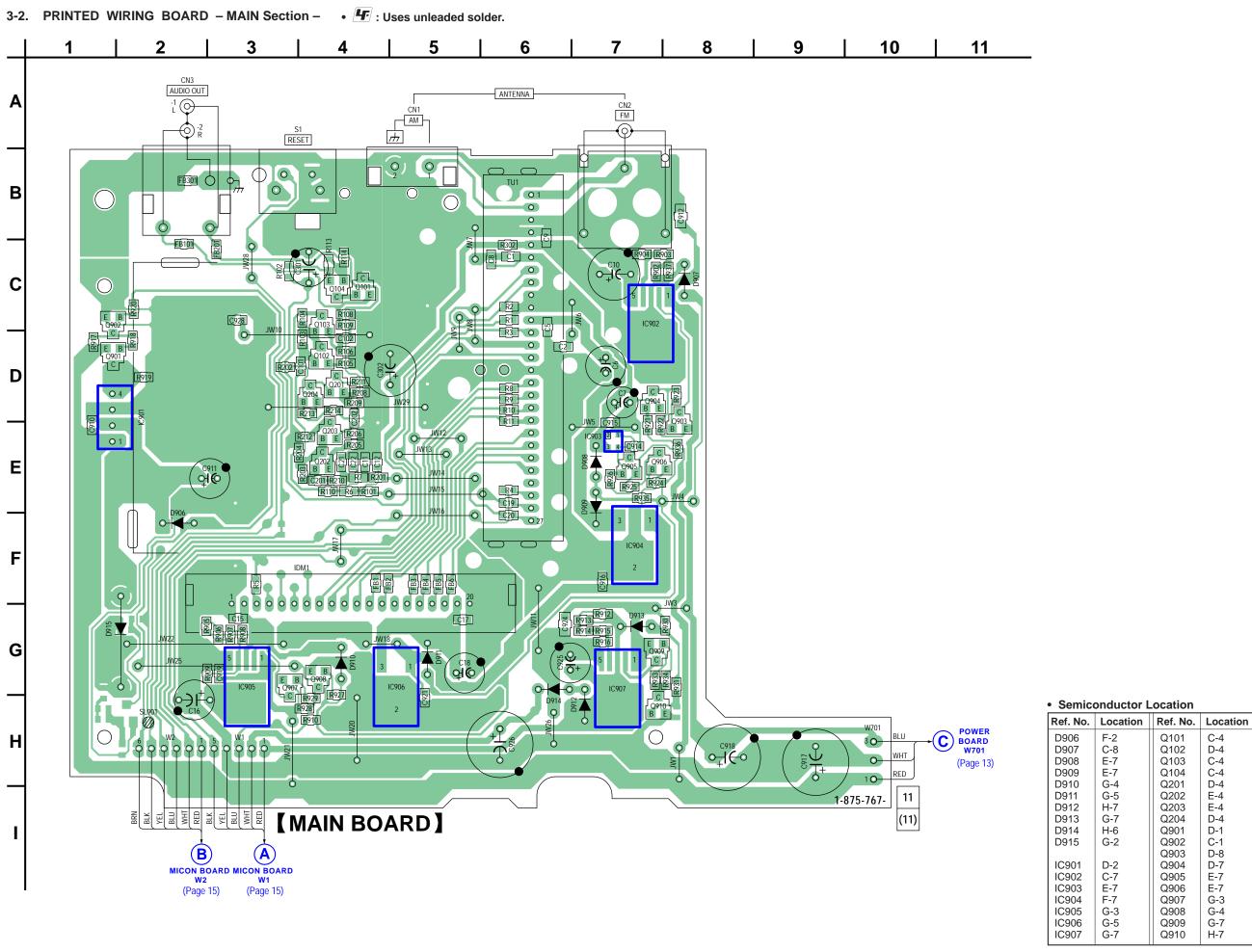
WaveformsMICON Board -

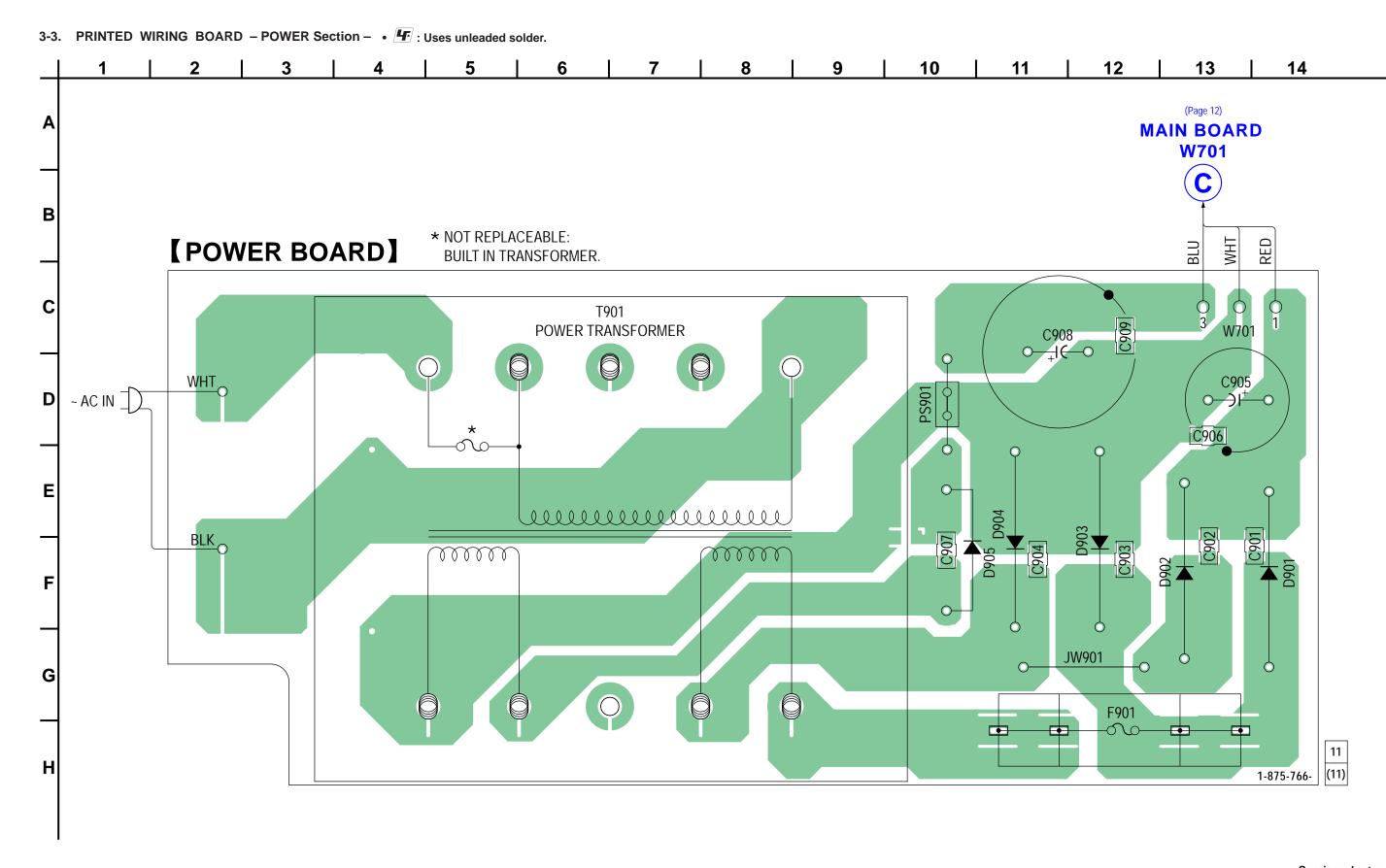


3-1. BLOCK DIAGRAM



XDR-F1HD 11 11

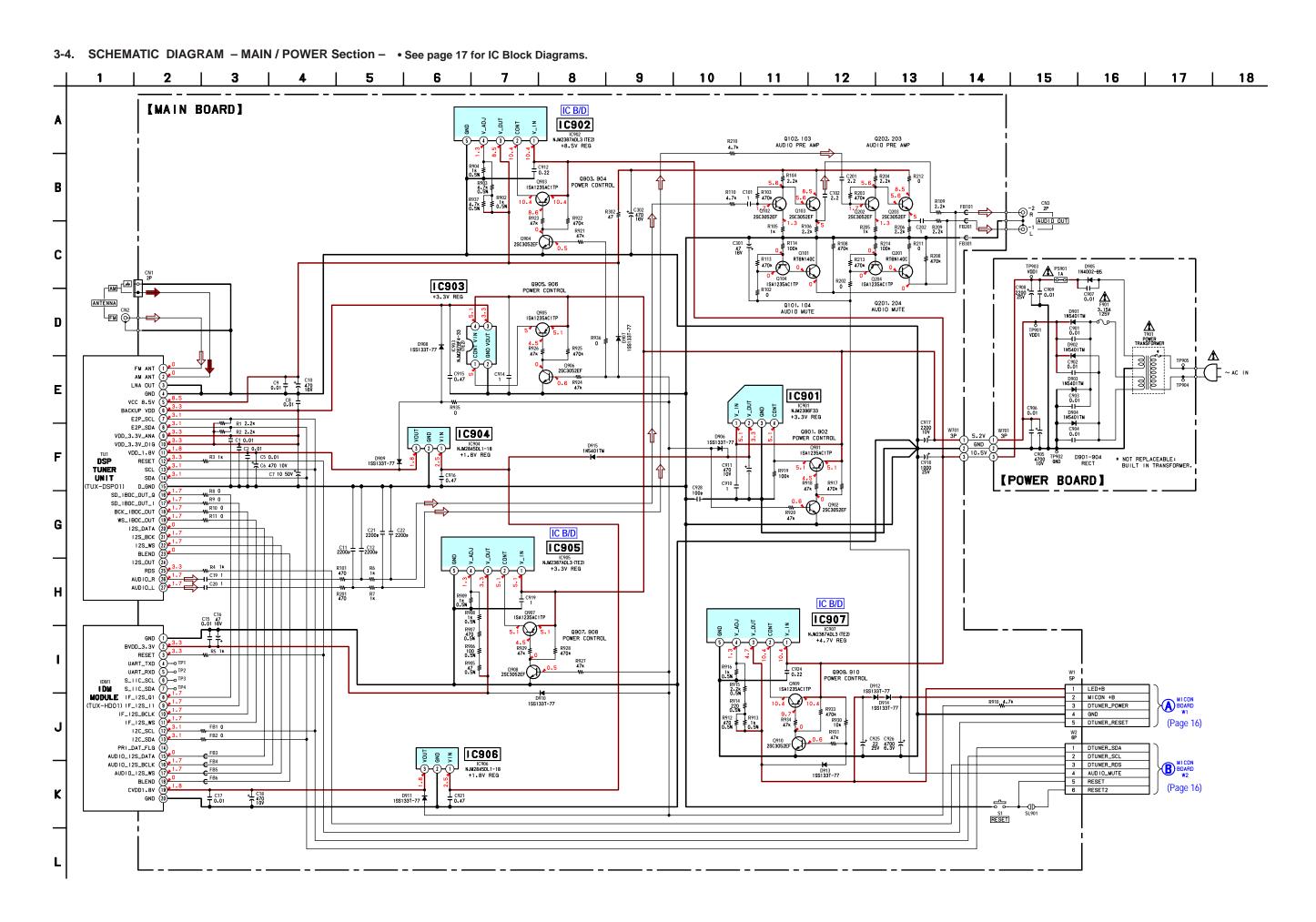




Semiconductor Location

Ref. No.	Location
D901	F-14
D902	F-13
D903	E-12
D904	E-11
D905	F-11

13



Q401

Q402

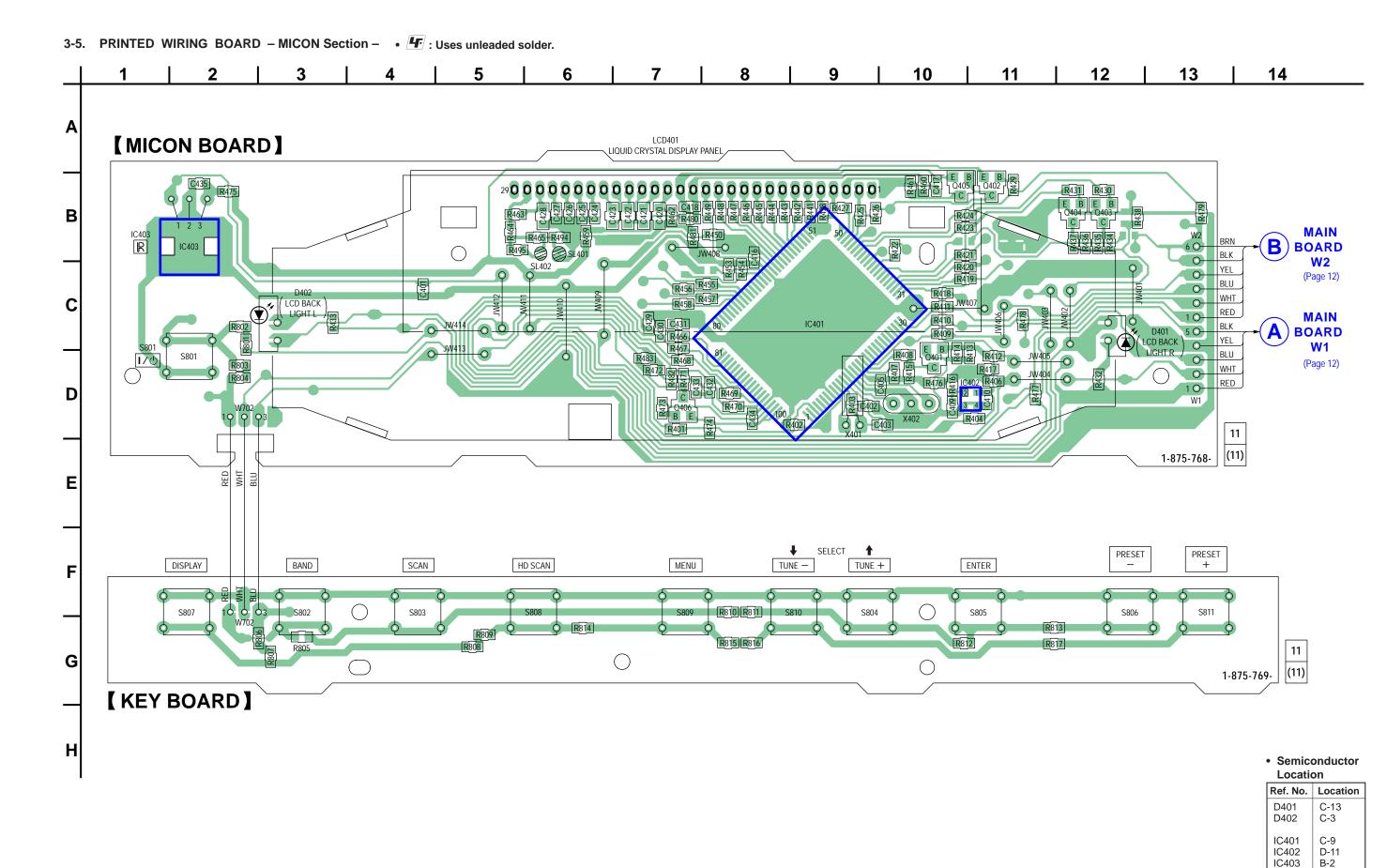
Q403

Q404 Q405 Q406 D-10

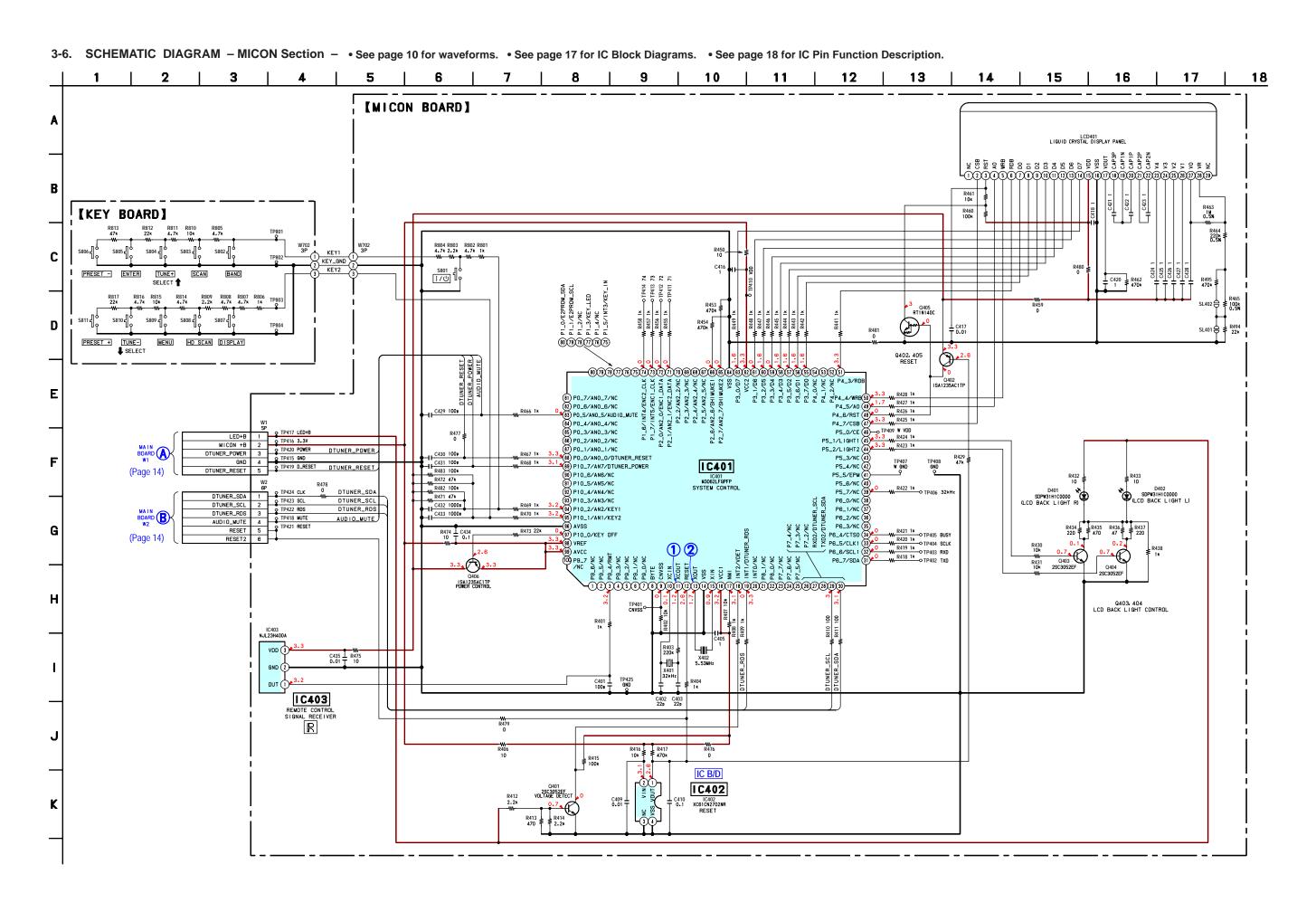
B-11

B-12 B-12 B-10

D-7

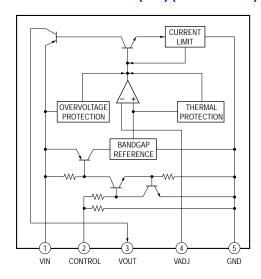


15

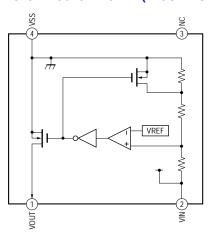


• IC Block Diagrams

IC902 NJM2387ADL3(TE2) (MAIN BOARD) IC905 NJM2387ADL3(TE2) (MAIN BOARD) IC907 NJM2387ADL3(TE2) (MAIN BOARD)



IC402 XC61CN2702NR (MICON BOARD)



· IC Pin Function Description MICON BOARD IC401 M3062LFGPFP (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	P9_6/NC	0	Fixed at L level (Not used)
2	P9_5/NC	0	Fixed at L level (Not used)
3	P9_4/RMT	ı	Remote commander signal input
4	P9_3/NC	0	Fixed at L level (Not used)
5	P9_2/NC	0	Fixed at L level (Not used)
6	P9_1/NC	0	Fixed at L level (Not used)
7	P9_0/NC	0	Fixed at L level (Not used)
8	BYTE	ı	Not used. (Connect to VSS)
9	CNVSS	ı	Not used. (Fixed at L level)
10	XCIN	I	System sub clock signal input (32 kHz)
11	XCOUT	0	System sub clock signal output (32 kHz)
12	RESET	I	Micon reset input (L: Micon reset)
13	XOUT	0	System main clock signal output (5.53 MHz)
14	VSS	_	Ground
15	XIN	I	System main clock signal input (5.53 MHz)
16	VCC1	_	Power supply pin (+3.3 V)
17	NMI	I	NMI interruption signal input (Fixed at H level)
18	INT2/VDET	I	Power failure detection signal input (H: backup mode)
19	INT1/DTUNER_RDS	I	RDS data interruption signal input
20	INT0/NC	0	Fixed at L level (Not used)
21	P8_1/NC	0	Fixed at L level (Not used)
22	P8_0/NC	0	Fixed at L level (Not used)
23	P7_7/NC	0	Fixed at L level (Not used)
24	P7_6/NC	0	Fixed at L level (Not used)
25	P7_5/NC	0	Fixed at L level (Not used)
26	P7_4/NC	0	Fixed at L level (Not used)
27	P7_3/NC	0	Fixed at L level (Not used)
28	P7_2/NC	0	Fixed at L level (Not used)
29	RXD2/DTUNER_SCL	_	Communication pin for digital tuner.
30	TXD2/DTUNER_SDA	_	Communication pin for digital tuner.
31	P6_7/SDA	0	Flash write pin (Normally: output port)
32	P6_6/SCL1	0	Flash write pin (Normally: output port)
33	P6_5/CLK1	0	Flash write pin (Normally: output port)
34	P6_4/CTS0	0	Flash write pin (Normally: output port)
35	P6_3/NC	0	Fixed at L level (Not used)
36	P6_2/NC	0	Fixed at L level (Not used)
37	P6_1/NC	0	Fixed at L level (Not used)
38	P6_0/NC	0	Fixed at L level (Not used)
39	P5_7/NC	0	Flash write pin (Normally: output port)
40	P5_6/NC	0	Fixed at L level (Not used)
41	P5_5/EPM	0	Flash write pin (Normally: output port)
42	P5_4/NC	0	Fixed at L level (Not used)
43	P5_3/NC	0	Fixed at L level (Not used)
44	P5_2/LIGHT2	0	LCD back light control signal output
45	P5_1/LIGHT1	0	LCD back light control signal output
46	P5_0/CE	0	Flash write pin (Normally: output port)
47	P4_7/CSB	0	LCD driver control signal output
48	P4_6/RST	0	LCD driver reset signal output (H: driver reset)
49	P4_5/A0	0	LCD driver control signal output
50	P4_4/WRB	0	LCD driver control signal output
51	P4 3/RDB	O	LCD driver control signal output
51 52	P4_3/RDB P4_2/NC	0	LCD driver control signal output Fixed at L level (Not used)
51 52 53	P4_3/RDB P4_2/NC P4_1/NC	0	Fixed at L level (Not used) Fixed at L level (Not used)

Pin No.	Pin Name	I/O	Description
55	P3_7/D0	0	LCD data output
56	P3_6/D1	0	LCD data output
57	P3_5/D2	0	LCD data output
58	P3_4/D3	0	LCD data output
59	P3_3/D4	0	LCD data output
60	P3_2/D5	0	LCD data output
61	P3_1/D6	0	LCD data output
62	VCC2		Power supply pin (+3.3 V)
63	P3_0/D7	0	LCD data output
64	VSS	_	Ground
65	P2_7/AN2_7/ SHIMUKE2	I	Destination select signal input (Fixed at L level)
66	P2_6/AN2_6/ SHIMUKE1	I	Destination select signal input (Fixed at L level)
67	P2_5/AN2_5/NC	0	Fixed at L level (Not used)
68	P2_4/AN2_4/NC	0	Fixed at L level (Not used)
69	P2_3/AN2_3/NC	0	Fixed at L level (Not used)
70	P2_2/AN2_2/NC	0	Fixed at L level (Not used)
71	P2_1/AN2_1/ENC2_ DATA	0	Flash write pin (Normally: output port)
72	P2_0/AN2_0/ENC1_ DATA	0	Flash write pin (Normally: output port)
73	P1_7/INT5/ENC1_ CLK	0	Flash write pin (Normally: output port)
74	P1_6/INT4/ENC2_ CLK	0	Flash write pin (Normally: output port)
75	P1_5/INT3/KEY_IN	0	Fixed at L level (Not used)
76	P1_4/NC	0	Fixed at L level (Not used)
77	P1_3/KEY_LED	0	Fixed at L level (Not used)
78	P1_2/NC	0	Fixed at L level (Not used)
79	P1_1/E2PROM_SCL	0	Fixed at L level (Not used)
80	P1_0/E2PROM_SDA	0	Fixed at L level (Not used)
81	P0_7/AN0_7/NC	0	Fixed at L level (Not used)
82	P0_6/AN0_6/NC	0	Fixed at L level (Not used)
83	P0_5/AN0_5/AU- DIO_MUTE	0	Audio mute detection signal output (H: mute ON)
84	P0_4/AN0_4/NC	0	Fixed at L level (Not used)
85	P0_3/AN0_3/NC	0	Fixed at L level (Not used)
86	P0_2/AN0_2/NC	0	Fixed at L level (Not used)
87	P0_1/AN0_1/NC	0	Fixed at L level (Not used)
88	P0_0/AN0_0/DTUN- ER_RESET	0	DSP tuner/DSP reset signal output (L: reset)
89	P10_7/AN7/DTUN- ER_POWER	0	DSP tuner power control signal output (L: radio function)
90	P10_6/AN6/NC	0	Fixed at L level (Not used)
91	P10_5/AN5/NC	0	Fixed at L level (Not used)
92	P10_4/AN4/NC	0	Fixed at L level (Not used)
93	P10_3/AN3/NC	0	Fixed at L level (Not used)
94	P10_2/AN2/KEY1	- 1	A/D converter analog signal input
95	P10_1/AN1/KEY2	I	A/D converter analog signal input
96	AVSS	_	Ground for A/D converter.
97	P10_0/KEY OFF	0	A/D key and remote control receiver power control signal output. (L: normally, H: backup)
98	VREF	_	Reference voltage input for A/D converter. (+3.3 V)
99	AVCC	_	Power supply pin for A/D converter. (+3.3 V)
100	P9_7/NC	0	Fixed at L level (Not used)

SECTION 4 EXPLODED VIEWS

Note:

- -XX and -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.
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE) . . . (RED)

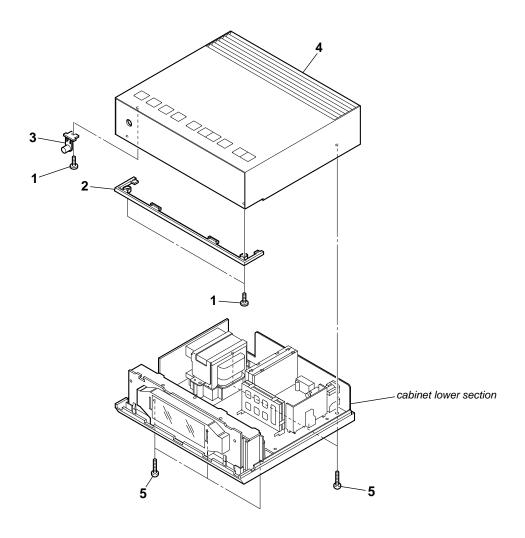
Parts Color Cabinet's Color

• Accessories are given in the last of the electrical parts list.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.

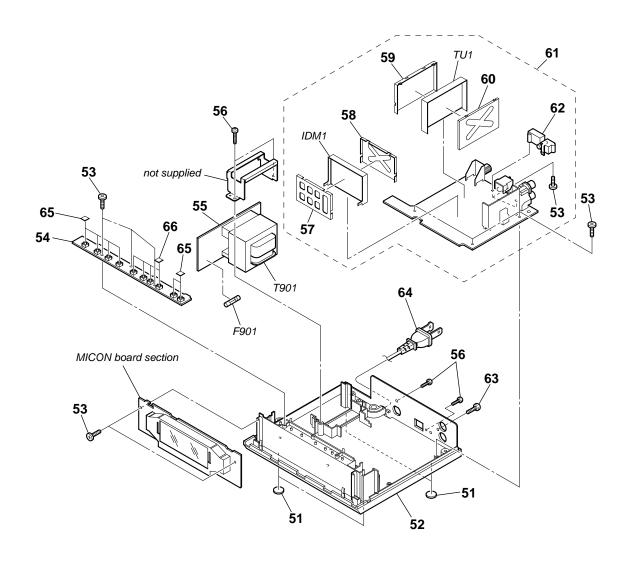
Replace only with part number specified.

4-1. CABINET UPPER SECTION



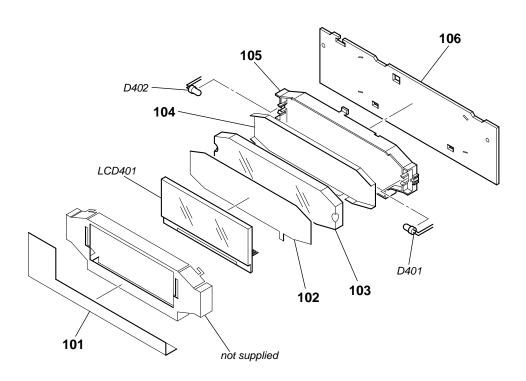
Ref. No.	Part No.	<u>Description</u>	Remark	Ref. No.	Part No.	<u>Description</u>	Remark
1	3-254-070-01	SCREW		4	X-2190-218-1	CABINET (UPPER) SUB ASSY	
2	3-284-318-01	PLATE, ORNAMENTAL		5	3-254-151-01	SCREW (B2.6), (+) P TAPPING	
3	3-284-315-01	BUTTON (PWR)					

4-2. CABINET LOWER SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	2-667-344-01	FOOT, RUBBER		61	A-1444-721-A	MAIN BOARD, COMPLETE	
52	3-284-314-01	CABINET (LOWER)		62	3-284-320-01	HOLDER (JACK)	
53	3-254-070-01	SCREW		63	3-254-143-11	SCREW (B3), (+) BV TAPPING	
54	A-1444-726-A	KEY BOARD, COMPLETE		△ 64	1-833-786-11	POWER-SUPPLY CORD	
55	A-1444-733-A	POWER BOARD, COMPLETE		65	2-631-557-01	CUSHION (SW)	
56	3-254-151-01	SCREW (B2.6), (+) P TAPPING		66	2-582-365-01	CUSHION (BUTTON)	
57	3-197-151-11	CASE (LID), SHIELD		⚠ F901	1-533-451-12	FUSE, GLASS TUBE (DIA. 5) (3.15A/12	5V)
58	3-197-151-01	CASE (LID), SHIELD		IDM1	A-1256-714-A	IDM MODULE (TUX-HD01)	
59	3-198-659-01	COVER (DSP01, B)		△ T901	1-445-383-11	TRANSFORMER, POWER	
60	3-198-658-01	COVER (DSP01, A)		TU1	A-1256-754-A	DSP TUNER UNIT (TUX-DSP01)	

4-3. MICON BOARD SECTION



Ref. No.	Part No.	<u>Description</u>	Remark	Ref. No.	Part No.	<u>Description</u>	Remark
101 102 103 104 105	3-286-881-01	SHEET (LCD), INSULATING ILLUMINATOR PLATE, LIGHT GUIDE REFLECTOR HOLDER (LCD)		106 D401 D402 LCD401	X-2190-219-1 6-502-332-01 6-502-332-01 1-802-620-11	MICON BOARD, COMPLETE LED SDPW31H1C0000 (LCD BACK LII LED SDPW31H1C0000 (LCD BACK LII DISPLAY PANEL, LIQUID CRYSTAL	,

SECTION 5 ELECTRICAL PARTS LIST

KEY MAIN

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.

Some delay should be anticipated when ordering these items.

- CAPACITORS
- uF: μF
- COILS uH: µH

RESISTORS

All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

• SEMICONDUCTORS

In each case, u: μ , for example: uA. . : μ A. . , uPA. . , μ PA. . , uPB. . : μ PB. . , uPC. . , μ PC. . ,

uPD. . : μ PD. .

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

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.

Replace only with part number specified.

uH: μH											
Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	<u>Description</u>			Remark
	A-1444-726-A	KEY BOARD, CO	OMPLETE			C7	1-126-964-11	ELECT	10uF	20%	50V
		*******				C8	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
						C9	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< RESISTOR >				C10	1-126-935-11	ELECT	470uF	20%	16V
		(NEOIOTOIT)				C11	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
R805	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	011	1-102-700-11	CERAINIC CITI	0.002241	1070	30 V
R806	1-216-821-11	METAL CHIP	1K	5%	1/10W	C12	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
R807	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C12	1-162-970-11	CERAMIC CHIP	0.0022ui 0.01uF	10%	25V
R808	1-216-829-11	METAL CHIP	4.7K 4.7K	5%	1/10W	C15	1-126-947-11	ELECT	47uF	20%	35V
R809	1-216-825-11	METAL CHIP	4.7K 2.2K	5%	1/10W	C10	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
K009	1-210-020-11	IVIE TAL CHIP	Z.ZN	370	1/1000	C17	1-126-935-11	ELECT	470uF	20%	25V 16V
D010	1-216-833-11	METAL CLUD	101/	E0/	1/10///	C10	1-120-933-11	ELECT	470ur	2070	10 V
R810	1-216-829-11	METAL CHIP	10K 4.7K	5%	1/10W 1/10W	C10	1 1/5 000 11	CEDAMIC CUID	1⊏	100/	10V
R811		METAL CHIP		5%		C19	1-165-908-11	CERAMIC CHIP	1uF	10%	
R812	1-216-837-11	METAL CHIP	22K	5%	1/10W	C20	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
R813	1-216-841-11	METAL CHIP	47K	5%	1/10W	C21	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
R814	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C22	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
						C101	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
R815	1-216-833-11	METAL CHIP	10K	5%	1/10W	_					
R816	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	C102	1-100-742-11	CERAMIC CHIP	2.2uF	20%	10V
R817	1-216-837-11	METAL CHIP	22K	5%	1/10W	C201	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
						C202	1-100-742-11	CERAMIC CHIP	2.2uF	20%	10V
		< SWITCH >				C301	1-126-947-11	ELECT	47uF	20%	35V
						C302	1-126-935-11	ELECT	470uF	20%	16V
S802	1-798-044-11	SWITCH, TACTIL	LE (BAND)								
S803	1-798-044-11	SWITCH, TACTIL	` ,			C910	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
S804	1-798-044-11	SWITCH, TACTIL	LE (TUNE+/	SELECT 1))	C911	1-126-935-11	ELECT	470uF	20%	16V
S805	1-798-044-11	SWITCH, TACTIL	LE (ENTER)			C912	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
S806	1-798-044-11	SWITCH, TACTIL	LE (PRESET	Γ –)		C914	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
						C915	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
S807	1-798-044-11	SWITCH, TACTIL	LE (DISPLA)	Y)							
S808	1-798-044-11	SWITCH, TACTIL		ιN)		C916	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
S809	1-798-044-11	SWITCH, TACTIL	LE (MENU)			C917	1-126-927-11	ELECT	2200uF	20%	10V
S810	1-798-044-11	SWITCH, TACTIL	LE (TUNE-/	SELECT \))	C918	1-126-942-61	ELECT	1000uF	20%	25V
S811	1-798-044-11	SWITCH, TACTIL	LE (PRESET	Γ+)		C919	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
******	******	*****	******	******	*******	C921	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
	A-1444-721-A	MAIN BOARD, C				C924	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
		*********	******			C925	1-128-551-11	ELECT	22uF	20%	63V
						C926	1-126-918-11	ELECT	4700uF	20%	6.3V
	3-197-151-01	CASE (LID), SHII				C928	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
	3-197-151-11	CASE (LID), SHII	ELD								
	3-198-658-01	COVER (DSP01,	A)					< TERMINAL BOA	ARD >		
	3-198-659-01	COVER (DSP01,	B)								
	3-254-070-01	SCREW				CN1	1-780-519-11	TERMINAL BOAF	RD (ANTENI	VA 2P)	
										(Al	NTENNA AM)
	3-254-151-01	SCREW (B2.6), ((+) P TAPPIN	VG							
	3-284-320-01	HOLDER (JACK))					< CONNECTOR :	>		
		< CAPACITOR >				CN2	1-815-513-22	CONNECTOR, C	OAXIAL (F 1	ΓΥΡΕ) (AN	NTENNA FM)
											,
C1	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V			< JACK >			
C2	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	0	4 700 007 4	14.01/ 5:31.05 /::	11D10 011±,		
C5	1-162-970-11	CERAMIC CHIP		10%	25V	CN3	1-793-987-11	JACK, PIN 2P (AI	טועט (ו עט		
C6	1-126-935-11	ELECT	470uF	20%	16V						

MAIN

D.C.N.	Down No.	December	Damada	l D.C.N.	Down Ma	December			Damada
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	<u>Description</u>			Remark
		< DIODE >		R5	1-216-821-11	METAL CHIP	1K	5%	1/10W
				R6	1-216-821-11	METAL CHIP	1K	5%	1/10W
D906	8-719-991-33	DIODE 1SS133T-77		R7	1-216-821-11	METAL CHIP	1K	5%	1/10W
D907	8-719-991-33	DIODE 1SS133T-77		R8	1-216-864-11	SHORT CHIP	0		
D908	8-719-991-33	DIODE 1SS133T-77		R9	1-216-864-11	SHORT CHIP	0		
D909	8-719-991-33	DIODE 1SS133T-77							
D910	8-719-991-33	DIODE 1SS133T-77		R10	1-216-864-11	SHORT CHIP	0		
				R11	1-216-864-11	SHORT CHIP	0		
D911	8-719-991-33	DIODE 1SS133T-77		R101	1-216-817-11	METAL CHIP	470	5%	1/10W
D912	8-719-991-33	DIODE 1SS133T-77		R102	1-216-864-11	SHORT CHIP	0		
D913	8-719-991-33	DIODE 1SS133T-77		R103	1-216-853-11	METAL CHIP	470K	5%	1/10W
D914	8-719-991-33	DIODE 1SS133T-77							
D915	8-719-046-47	DIODE 1N5401TM		R104	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
				R105	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< FERRITE BEAD >		R106	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
				R108	1-216-853-11	METAL CHIP	470K	5%	1/10W
FB1	1-216-864-11	SHORT CHIP 0		R109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
FB2	1-216-864-11	SHORT CHIP 0							
FB3	1-414-227-11	INDUCTOR, FERRITE BEAD		R110	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
FB4	1-414-227-11	INDUCTOR, FERRITE BEAD		R113	1-216-853-11	METAL CHIP	470K	5%	1/10W
FB5	1-414-227-11	INDUCTOR, FERRITE BEAD		R114	1-216-845-11	METAL CHIP	100K	5%	1/10W
. 20				R201	1-216-817-11	METAL CHIP	470	5%	1/10W
FB6	1-414-227-11	INDUCTOR, FERRITE BEAD		R202	1-216-864-11	SHORT CHIP	0	070	1/1011
FB101	1-414-227-11	INDUCTOR, FERRITE BEAD		11202	1 210 004 11	3110101 01111	O		
FB201	1-414-227-11	INDUCTOR, FERRITE BEAD		R203	1-216-853-11	METAL CHIP	470K	5%	1/10W
FB301	1-414-227-11	INDUCTOR, FERRITE BEAD		R204	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
1 5501	1 717 227 11	INDOOTOR, I ERRITE BEAD		R205	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< IC >		R206	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		×10 >		R208	1-216-853-11	METAL CHIP	470K	5%	1/10W
IC901	6-712-237-01	IC NJM2396F33		11200	1-210-033-11	WE TAL OTH	77010	370	1/1000
IC902	6-709-213-01	IC NJM2387ADL3(TE2)		R209	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
IC903	6-710-536-01	IC NJM2878F4-33(TE2)		R210	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
IC904	6-712-238-01	IC NJM2845DL1-18		R210	1-216-864-11	SHORT CHIP	0	J 70	1/1000
IC904	6-709-213-01	IC NJM2387ADL3(TE2)		R211	1-216-864-11	SHORT CHIP	0		
10903	0-707-213-01	IC NJW2307ADE3(TE2)		R212	1-216-853-11	METAL CHIP	470K	5%	1/10W
10004	4 7 10 000 01	IC NIM204EDI 1 10		KZ13	1-210-000-11	WE TAL CHIP	4/UK	370	1/1000
IC906 IC907	6-712-238-01 6-709-213-01	IC NJM2845DL1-18 IC NJM2387ADL3(TE2)		R214	1-216-845-11	METAL CHIP	100K	5%	1/10W
10907	0-709-213-01	IC NJIVI238/ADL3(TE2)						5% 5%	1/10W
		IDM MODULE.		R302	1-216-805-11 1-218-847-11	METAL CHIP	47		
		< IDM MODULE >		R902		METAL CHIP	1K	0.5%	1/10W
IDM1	A 10F/ 714 A	IDM MODULE (THY LIDO1)		R903	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
IDM1	A-1256-714-A	IDM MODULE (TUX-HD01)		R904	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
		TDANGICTOD		DOOF	1 011 005 11	METAL CLUD	47	0.50/	1/10/1/
		< TRANSISTOR >		R905	1-211-985-11	METAL CHIP	47	0.5% 0.5%	1/10W
0101	4 EE1 202 01	TDANCISTOD DTANIAGO TD 1		R906	1-218-823-11	METAL CHIP	100		1/10W
		TRANSISTOR RT6N140C-TP-1		R907	1-218-839-11	METAL CHIP	470	0.5%	1/10W
Q102 Q103	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF TRANSISTOR 2SC3052EF-T1-LEF		R908	1-218-847-11	METAL CHIP METAL CHIP	1K	0.5%	1/10W 1/10W
	8-729-620-07			R909	1-218-847-11	METAL CHIP	1K	0.5%	1/1000
Q104	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		D010	1 01/ 000 11	METAL CLUD	4.71/	Ε0/	1/10/1/
Q201	6-551-392-01	TRANSISTOR RT6N140C-TP-1		R910	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
0202	0 720 420 07	TDANSISTOD 20020E2EE T1 LEE		R912	1-218-839-11	METAL CHIP	470	0.5%	1/10W
Q202 Q203	8-729-620-07 8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF TRANSISTOR 2SC3052EF-T1-LEF		R913 R914	1-218-847-11 1-218-831-11	METAL CHIP METAL CHIP	1K 220	0.5% 0.5%	1/10W 1/10W
Q203 Q204									
Q204 Q901	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF TRANSISTOR ISA1235AC1TP-1EF		R915	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
	6-551-696-01 8-729-620-07			D014	1 210 047 11	METAL CLUD	11/	O E0/	1/10W
Q902	8-729-020-07	TRANSISTOR 2SC3052EF-T1-LEF		R916	1-218-847-11	METAL CHIP	1K	0.5%	
0000	/ FF1 /0/ 01	TDANICICTOD ICA122FAC1TD 1FF		R917	1-216-853-11	METAL CHIP	470K	5%	1/10W
Q903	6-551-696-01 8-729-620-07	TRANSISTOR ISA1235AC1TP-1EF		R918	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q904		TRANSISTOR 2SC3052EF-T1-LEF		R919	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q905	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R920	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q906	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		D024	1 21/ 0/1 11	METAL CLUD	171/	E0/	1/1014
Q907	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R921	1-216-841-11	METAL CHIP	47K	5%	1/10W
0000	0 720 420 07	TRANSISTOR 2SC3052EF-T1-LEF		R922	1-216-853-11	METAL CHIP	470K	5%	1/10W 1/10W
Q908	8-729-620-07			R923	1-216-841-11	METAL CHIP	47K	5% 5%	
Q909	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF		R924	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q910	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF		R925	1-216-853-11	METAL CHIP	470K	5%	1/10W
		< RESISTOR >		DO24	1-216-841-11	METAL CHIP	47K	E0/	1/10W
		\ NESISTUR >		R926 R927	1-216-841-11	METAL CHIP	47K 47K	5% 5%	1/10W
D1	1 214 025 11	METAL CUID 2 2V EW	1/10\\\						
R1 R2	1-216-825-11 1-216-825-11	METAL CHIP 2.2K 5% METAL CHIP 2.2K 5%	1/10W 1/10W	R928 R929	1-216-853-11 1-216-841-11	METAL CHIP METAL CHIP	470K 47K	5% 5%	1/10W 1/10W
R2 R3	1-216-825-11		1/10W	R929 R930					1/10W 1/10W
R3 R4	1-216-821-11	METAL CHIP 1K 5% METAL CHIP 1K 5%	1/10W	KA20	1-216-833-11	METAL CHIP	10K	5%	1/ 1000
174	1-210-021-11	WIE I/AL OTHE TIX J/0	1/ 10 4 4	1					

MAIN MICON

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
				=0.						50 /	
R931	1-216-841-11	METAL CHIP	47K	5%	1/10W	R403	1-216-849-11	METAL CHIP	220K	5%	1/10W
R933	1-216-853-11	METAL CHIP	470K	5%	1/10W	R404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R934	1-216-841-11	METAL CHIP	47K	5%	1/10W	R406	1-216-797-11	METAL CHIP	10	5%	1/10W
R935	1-216-864-11	SHORT CHIP	0			R407	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W 1/10W
R936	1-216-864-11	SHORT CHIP	0			R408	1-216-821-11	METAL CHIP	1K	3%	1/1000
R937	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	R409	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R410	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >				R411	1-216-809-11	METAL CHIP	100	5%	1/10W
S1	1-554-088-00	SWITCH, KEYBO	VVDD (DECI	ГΤ\		R412 R413	1-216-825-11	METAL CHIP	2.2K 470	5% 5%	1/10W 1/10W
31	1-334-000-00	SWITCH, KLTDC	JAND (KLSI	L1)		K413	1-216-817-11	METAL CHIP	470	376	1/1000
		< TUNER UNIT >				R414	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
TU1	A-1256-754-A	DSP TUNER UNI	T /THV DCI	201)		R415 R416	1-216-845-11 1-216-833-11	METAL CHIP METAL CHIP	100K 10K	5% 5%	1/10W 1/10W
		**********			*****	R410	1-216-853-11	METAL CHIP	470K	5%	1/10W
						R418	1-216-821-11	METAL CHIP	1K	5%	1/10W
	X-2190-219-1	MICON BOARD,	COMPLETE	<u> </u>			. 2.0 02			0,0	.,
		*********	******	*		R419	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R420	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< CAPACITOR >				R421	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R422	1-216-821-11	METAL CHIP	1K	5%	1/10W
C401	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	R423	1-216-821-11	METAL CHIP	1K	5%	1/10W
C402	1-162-919-11	CERAMIC CHIP	22PF	5%	50V						
C403	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	R424	1-216-821-11	METAL CHIP	1K	5%	1/10W
C405	1-115-156-11	CERAMIC CHIP	1uF		10V	R425	1-216-821-11	METAL CHIP	1K	5%	1/10W
C409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R426	1-216-821-11	METAL CHIP	1K	5%	1/10W
0.440		0554440 0145		400/		R427	1-216-821-11	METAL CHIP	1K	5%	1/10W
C410	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R428	1-216-821-11	METAL CHIP	1K	5%	1/10W
C416	1-115-156-11	CERAMIC CHIP	1uF	100/	10V	D 400	1 01/ 041 11	METAL OLUB	471/	F0/	1/10/4/
C417	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V 10V	R429	1-216-841-11	METAL CHIP	47K 10K	5% 5%	1/10W 1/10W
C418 C420	1-115-156-11 1-164-346-11	CERAMIC CHIP	1uF 1uF		16V 16V	R430 R431	1-216-833-11 1-216-833-11	METAL CHIP METAL CHIP	10K 10K	5% 5%	1/10W
C420	1-104-340-11	CERAIVIIC CHIP	TUF		100	R431	1-216-655-11	METAL CHIP	10	5% 5%	1/10W
C421	1-164-346-11	CERAMIC CHIP	1uF		16V	R432	1-216-797-11	METAL CHIP	10	5%	1/10W
C421	1-164-346-11	CERAMIC CHIP	1uF		16V	10433	1-210-777-11	WILLIAL OTHI	10	370	1/1044
C423	1-164-346-11	CERAMIC CHIP	1uF		16V	R434	1-216-813-11	METAL CHIP	220	5%	1/10W
C424	1-115-156-11	CERAMIC CHIP	1uF		10V	R435	1-216-817-11	METAL CHIP	470	5%	1/10W
C425	1-115-156-11	CERAMIC CHIP	1uF		10V	R436	1-216-805-11	METAL CHIP	47	5%	1/10W
						R437	1-216-813-11	METAL CHIP	220	5%	1/10W
C426	1-115-156-11	CERAMIC CHIP	1uF		10V	R438	1-216-821-11	METAL CHIP	1K	5%	1/10W
C427	1-115-156-11	CERAMIC CHIP	1uF		10V						
C428	1-164-346-11	CERAMIC CHIP	1uF		16V	R441	1-216-821-11	METAL CHIP	1K	5%	1/10W
C429	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	R442	1-216-821-11	METAL CHIP	1K	5%	1/10W
C430	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	R443	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R444	1-216-821-11	METAL CHIP	1K	5%	1/10W
C431	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	R445	1-216-821-11	METAL CHIP	1K	5%	1/10W
C432	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	D44/	1 01/ 001 11	METAL OLUB	11/	F0/	1/10/4/
C433	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	R446	1-216-821-11	METAL CHIP	1K	5%	1/10W
C434	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	R447	1-216-821-11	METAL CHIP	1K	5%	1/10W
C435	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	R448 R449	1-216-821-11 1-216-821-11	METAL CHIP METAL CHIP	1K 1K	5% 5%	1/10W 1/10W
		< IC >				R450	1-216-797-11	METAL CHIP	10	5%	1/10W
		(10)				11450	121077711	WEINE OIT	10	370	1/1000
IC401	(Not supplied)	IC M3062LFGPI	FP			R453	1-216-853-11	METAL CHIP	470K	5%	1/10W
IC402	6-702-148-01	IC XC61CN2702				R454	1-216-853-11	METAL CHIP	470K	5%	1/10W
IC403	6-600-349-21	IC NJL23H400A	(IR)			R455	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R456	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< TRANSISTOR	>			R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q401	8-729-620-07	TRANSISTOR 2	SC3052EF-	T1-LEF		R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q402	6-551-696-01	TRANSISTOR IS				R459	1-216-864-11	SHORT CHIP	0	2.0	
Q403	8-729-620-07	TRANSISTOR 2				R460	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q404	8-729-620-07	TRANSISTOR 2	SC3052EF-	T1-LEF		R461	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q405	8-729-027-44	TRANSISTOR D				R462	1-216-853-11	METAL CHIP	470K	5%	1/10W
Q406	6-551-696-01	TRANSISTOR IS	SA1235AC1	TP-1FF		R463	1-216-857-11	METAL CHIP	1M	5%	1/10W
2 100	3 331 070 01					R464	1-218-903-11	METAL CHIP	220K	0.5%	1/10W
		< RESISTOR >				R465	1-218-895-11	METAL CHIP	100K	0.5%	1/10W
						R466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R401	1-216-821-11	METAL CHIP	1K	5%	1/10W	R467	1-216-821-11	METAL CHIP	1K	5%	1/10W
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W	1					

MICON POWER

Ref. No. Part No. Description Remark Ref. No. Part No. Description R468 1-216-821-11 METAL CHIP 1K 5% 1/10W ####################################
R469 1-216-821-11 METAL CHIP 1K 5% 1/10W R470 1-216-821-11 METAL CHIP 1K 5% 1/10W R471 1-216-821-11 METAL CHIP 47K 5% 1/10W R472 1-216-841-11 METAL CHIP 47K 5% 1/10W R473 1-216-837-11 METAL CHIP 22K 5% 1/10W R474 1-216-797-11 METAL CHIP 10 5% 1/10W R475 1-216-797-11 METAL CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-864-11 SHORT CHIP 0 R482 1-216-864-11 METAL CHIP 100K 5% 1/10W R483 1-216-864-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 100K 5% 1/10W R495 1-216-853-11 METAL CHIP 22K 5% 1/10W R490 1-216-853-11 METAL CHIP 470K 5% 1/10W R800 1-216-853-11 METAL CHIP 10 K 5% 1/10W R801 1-216-829-11 METAL CHIP 470K 5% 1/10W R802 1-216-829-11 METAL CHIP 470K 5% 1/10W R803 1-216-829-11 METAL CHIP 470K 5% 1/10W R804 1-216-829-11 METAL CHIP 470K 5% 1/10W R805 1-216-829-11 METAL CHIP 470K 5% 1/10W R806 1-216-829-11 METAL CHIP 470K 5% 1/10W R807 1-216-829-11 METAL CHIP 470K 5% 1/10W R808 1-216-829-11 METAL CHIP 470K 5% 1/10W R809 1-216-829-11 METAL CHIP 470K 5% 1/10W R800 1-216-829-11 METAL CHIP 470K 5% 1/10W R801 1-216-829-11 METAL CHIP 470K 5% 1/10W R802 1-216-829-11 METAL CHIP 470K 5% 1/10W R803 1-216-829-11 METAL CHIP 470K 5% 1/10W R804 1-216-829-11 METAL CHIP 470K 5% 1/10W R805 1-216-829-11 METAL CHIP 470K 5% 1/10W R807 1-216-829-11 METAL CHIP 470K 5% 1/10W R808 1-216-829-11 METAL CHIP 470K 5% 1/10W R809 1-216-829-11 METAL CHIP 470K 5% 1/10W R800 1-216-829-11 METAL CHIP 470K 5% 1/10W R801 1-216-829-11 METAL CHIP 470K 5% 1/10W R802 1-216-829-11 METAL CHIP 470K 5% 1/10W R803 1-216-829-11 METAL CHIP 470K 5% 1/10W R804 1-216-829-11 METAL CHIP 470K 5% 1/10W R805 1-216-829-11 METAL CHIP 470K 5% 1/10W R807 1-216-829-11 METAL CHIP 470K 5% 1/10W R808 1-216-829-11 METAL CHIP 470K 5% 1/10W R809 1-216
R469 1-216-821-11 METAL CHIP 1K 5% 1/10W R470 1-216-821-11 METAL CHIP 1K 5% 1/10W R471 1-216-821-11 METAL CHIP 47K 5% 1/10W R472 1-216-841-11 METAL CHIP 47K 5% 1/10W R473 1-216-837-11 METAL CHIP 22K 5% 1/10W R474 1-216-797-11 METAL CHIP 10 5% 1/10W R475 1-216-797-11 METAL CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-864-11 SHORT CHIP 0 R482 1-216-864-11 METAL CHIP 100K 5% 1/10W R483 1-216-864-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 100K 5% 1/10W R495 1-216-853-11 METAL CHIP 22K 5% 1/10W R490 1-216-853-11 METAL CHIP 470K 5% 1/10W R800 1-216-853-11 METAL CHIP 10 K 5% 1/10W R801 1-216-829-11 METAL CHIP 470K 5% 1/10W R802 1-216-829-11 METAL CHIP 470K 5% 1/10W R803 1-216-829-11 METAL CHIP 470K 5% 1/10W R804 1-216-829-11 METAL CHIP 470K 5% 1/10W R805 1-216-829-11 METAL CHIP 470K 5% 1/10W R806 1-216-829-11 METAL CHIP 470K 5% 1/10W R807 1-216-829-11 METAL CHIP 470K 5% 1/10W R808 1-216-829-11 METAL CHIP 470K 5% 1/10W R809 1-216-829-11 METAL CHIP 470K 5% 1/10W R800 1-216-829-11 METAL CHIP 470K 5% 1/10W R801 1-216-829-11 METAL CHIP 470K 5% 1/10W R802 1-216-829-11 METAL CHIP 470K 5% 1/10W R803 1-216-829-11 METAL CHIP 470K 5% 1/10W R804 1-216-829-11 METAL CHIP 470K 5% 1/10W R805 1-216-829-11 METAL CHIP 470K 5% 1/10W R807 1-216-829-11 METAL CHIP 470K 5% 1/10W R808 1-216-829-11 METAL CHIP 470K 5% 1/10W R809 1-216-829-11 METAL CHIP 470K 5% 1/10W R800 1-216-829-11 METAL CHIP 470K 5% 1/10W R801 1-216-829-11 METAL CHIP 470K 5% 1/10W R802 1-216-829-11 METAL CHIP 470K 5% 1/10W R803 1-216-829-11 METAL CHIP 470K 5% 1/10W R804 1-216-829-11 METAL CHIP 470K 5% 1/10W R805 1-216-829-11 METAL CHIP 470K 5% 1/10W R807 1-216-829-11 METAL CHIP 470K 5% 1/10W R808 1-216-829-11 METAL CHIP 470K 5% 1/10W R809 1-216
R470 1-216-821-11 METAL CHIP 1K 5% 1/10W R471 1-216-841-11 METAL CHIP 47K 5% 1/10W R472 1-216-841-11 METAL CHIP 47K 5% 1/10W D401 6-502-332-01 LED SDPW31 R473 1-216-837-11 METAL CHIP 22K 5% 1/10W R476 1-216-864-11 SHORT CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 100K 5% 1/10W R495 1-216-837-11 METAL CHIP 22K 5% 1/10W R490 1-216-845-11 METAL CHIP 22K 5% 1/10W R490 1-216-845-11 METAL CHIP 470K 5% 1/10W R801 1-216-825-11 METAL CHIP 4.7K 5% 1/10W R801 1-216-825-11 METAL CHIP 5.2K 5% 1/10W R801 1-216-825-11 METAL CHIP 4.7K 5% 1/10W R801 1-216-825-11 METAL CHIP 5.2K 5% 1/10W R801 1-216-825-11 METAL CHIP 4.7K 5% 1/10W R801 1-216-825-11 METAL CHIP 5.2K 5% 1/10W R801 1-21
R471 1-216-841-11 METAL CHIP 47K 5% 1/10W R472 1-216-841-11 METAL CHIP 47K 5% 1/10W R473 1-216-837-11 METAL CHIP 22K 5% 1/10W R474 1-216-797-11 METAL CHIP 10 5% 1/10W R475 1-216-797-11 METAL CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R480 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-837-11 METAL CHIP 22K 5% 1/10W R801 1-216-829-11 METAL CHIP 470K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R809 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R800 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R801 1-754-829-11 METAL CHIP 4.7K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R809 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R800 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R801 1-798-044-11 SWITCH, TACTILE (I/Cb) VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ************************************
R472 1-216-841-11 METAL CHIP 47K 5% 1/10W D401 6-502-332-01 LED SDPW31 D402 6-502-332-01 LED SDPW31 LED SDPW31 D402 6-502-332-01 LED SDPW31 LED SD42 LED SDPW31 LED SD43 LED SDA42 FUS D452 LED SDPW31 LED SD42 LED SDPW31 LED SD432 FUS D452 LED SDPW31 LED SD42 LED
R473 1-216-837-11 METAL CHIP 22K 5% 1/10W R475 1-216-797-11 METAL CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R480 1-216-864-11 SHORT CHIP 0 R481 1-216-845-11 METAL CHIP 100K 5% 1/10W R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-853-11 METAL CHIP 470K 5% 1/10W R800 1-216-825-11 METAL CHIP 4.7K 5% 1/10W R801 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R809 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R800 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R801 1-802-02-11 VIBRATOR, CRYSTAL (32kHz) VAV02 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ************************************
R473 1-216-837-11 METAL CHIP 22K 5% 1/10W R474 1-216-797-11 METAL CHIP 10 5% 1/10W R475 1-216-797-11 METAL CHIP 0 5% 1/10W R476 1-216-864-11 SHORT CHIP 0
R474 1-216-797-11 METAL CHIP 10 5% 1/10W R475 1-216-797-11 METAL CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R480 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-837-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 4.7K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ************************************
R475 1-216-797-11 METAL CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R479 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 22K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-821-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 4.7K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R809 1-216-829-11 WETAL CHIP 4.7K 5% 1/10W R800 1-216-829-11 WETAL CHIP 4.7K 5% 1/10W R801 1-318-3202-11 VIBRATOR, CRYSTAL (32kHz) X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ***********************************
R475 1-216-797-11 METAL CHIP 10 5% 1/10W R476 1-216-864-11 SHORT CHIP 0 R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R479 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 22K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-821-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 4.7K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R809 1-216-829-11 WETAL CHIP 4.7K 5% 1/10W R800 1-216-829-11 WETAL CHIP 4.7K 5% 1/10W R801 1-318-3202-11 VIBRATOR, CRYSTAL (32kHz) X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ***********************************
R476
R477 1-216-864-11 SHORT CHIP 0 R478 1-216-864-11 SHORT CHIP 0 R479 1-216-864-11 SHORT CHIP 0 R480 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R484 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-837-11 METAL CHIP 470K 5% 1/10W R801 1-216-829-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 5% 1/10W R809 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R800 1-216-829-11 METAL CHIP 5% 1/10W R801 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 5% 1/10W R805 1-216-829-11 METAL CHIP 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 5% 1/10W R808 1-216-829-11 METAL CHIP 5% 1/10W R809 1-216-829-11 METAL CHIP 5% 1/10W R809 1-216-829-11 METAL CHIP 5% 1/10W R800 1-216-829-11 METAL CHIP 5% 1/10W R801 1-216-829-11 METAL CHIP 5% 1/10W R802 1-216-829-11 METAL CHIP 5% 1/10W R803 1-216-829-11 METAL CHIP 5% 1/10W R804 1-216-829-11 METAL CHIP 5% 1/10W R805 1-216-829-11 METAL CHIP 5% 1/10W R806 1-216-829-11 METAL CHIP 5% 1/10W R807 1-216-829-11 METAL CHIP 5% 1/10W R808 1-216-829-11 METAL CHIP 5% 1/10W R809 1-216-829-
R478
R479 1-216-864-11 SHORT CHIP 0 R480 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-853-11 METAL CHIP 22K 5% 1/10W R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 5% 1/10W R809 1-216-829-11 METAL CHIP 5% 1/10W R8
R479 1-216-864-11 SHORT CHIP 0 R480 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-853-11 METAL CHIP 22K 5% 1/10W R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 5% 1/10W R809 1-216-829-11 METAL CHIP 5% 1/10W R8
R480 1-216-864-11 SHORT CHIP 0 R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-837-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R809 1-21
R481 1-216-864-11 SHORT CHIP 0 R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R801 1-216-853-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R807 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R808 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R809 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R800 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R801 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R802 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) X401 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ***********************************
R482 1-216-845-11 METAL CHIP 100K 5% 1/10W R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R895 1-216-853-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 1 K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R805 R806 1-798-044-11 SWITCH, TACTILE (I/U) R807 R808 R809-12-16-829-11 VIBRATOR, CRYSTAL (32kHz) X401 1-813-202-11 VIBRATOR, CERAMIC (5.53MHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) X404 R804-12-16-829-11 VIBRATOR, CRYSTAL (32kHz) X405 R807 R808-21 VIBRATOR, CERAMIC (5.53MHz)
R483 1-216-845-11 METAL CHIP 100K 5% 1/10W R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-853-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R806 1-798-044-11 SWITCH, TACTILE (I/U)
R483 1-216-845-11 METAL CHIP 100K 5% 1/10W 3-292-622-11 MANUAL, INST R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-853-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 2.2K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W SWITCH > S801 1-798-044-11 SWITCH, TACTILE (I/U) VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ************************************
R483 1-216-845-11 METAL CHIP 100K 5% 1/10W 3-292-622-11 MANUAL, INST R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-853-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R804 1-216-829-11 METAL CHIP 2.2K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W SWITCH > S801 1-798-044-11 SWITCH, TACTILE (I/U) VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ************************************
R494 1-216-837-11 METAL CHIP 22K 5% 1/10W R495 1-216-853-11 METAL CHIP 470K 5% 1/10W R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-829-11 METAL CHIP 2.2K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W
R495
R801 1-216-821-11 METAL CHIP 1K 5% 1/10W R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-825-11 METAL CHIP 2.2K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W < SWITCH > S801 1-798-044-11 SWITCH, TACTILE (I/U) < VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ***********************************
R802 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R803 1-216-825-11 METAL CHIP 2.2K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W
R803 1-216-825-11 METAL CHIP 2.2K 5% 1/10W R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W < SWITCH > S801 1-798-044-11 SWITCH, TACTILE (I/U) < VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ***********************************
R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W
R804 1-216-829-11 METAL CHIP 4.7K 5% 1/10W
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S801 1-798-044-11 SWITCH, TACTILE (I/U) VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) **********************************
S801 1-798-044-11 SWITCH, TACTILE (I/U) VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) **********************************
S801 1-798-044-11 SWITCH, TACTILE (I/U) VIBRATOR > X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) **********************************
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X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ************************************
X401 1-813-202-11 VIBRATOR, CRYSTAL (32kHz) X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ************************************
X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ***********************************
X402 1-813-988-21 VIBRATOR, CERAMIC (5.53MHz) ***********************************

A-1444-733-A POWER BOARD, COMPLETE

1-533-233-31 HOLDER, FUSE
1-33-233-31 HOLDER, 1-33L
, CADACITOD .
< CAPACITOR >
C901 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V
C902 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V
C903 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V
C904 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V
C905 1-107-880-11 ELECT 4700uF 20% 10V
C906 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V
C907 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V
C000 1 1/2 070 11 CEDAMIC CUID 0 01E 100/ 2EV
C909 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V
C909 1-162-970-11 CERAMIC CHIP 0.01uF 10% 25V < DIODE >
< DIODE >
< DIODE >
< DIODE > D901 8-719-046-47 DIODE 1N5401TM
< DIODE > D901 8-719-046-47 DIODE 1N5401TM D902 8-719-046-47 DIODE 1N5401TM D903 8-719-046-47 DIODE 1N5401TM
< DIODE > D901 8-719-046-47 DIODE 1N5401TM D902 8-719-046-47 DIODE 1N5401TM D903 8-719-046-47 DIODE 1N5401TM D904 8-719-046-47 DIODE 1N5401TM
< DIODE > D901 8-719-046-47 DIODE 1N5401TM D902 8-719-046-47 DIODE 1N5401TM D903 8-719-046-47 DIODE 1N5401TM
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<u>MEMO</u>

REVISION HISTORY

Checking the version allows you to jump to the revised page. Also, clicking the version at the top of the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision Description of Revision
1.0	2008.01	New