DENON

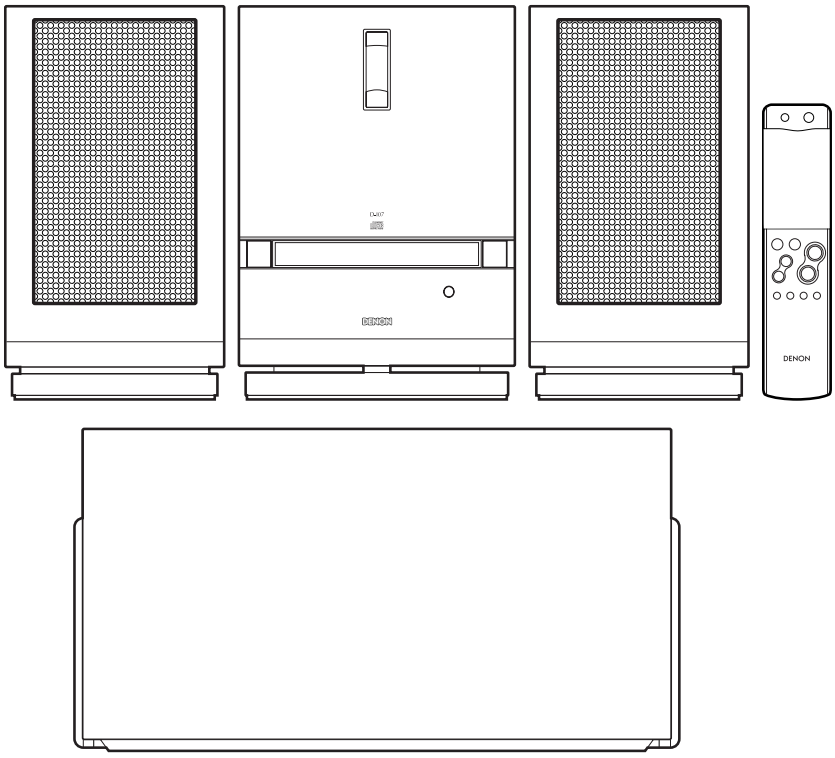
For U.S. & Canada model

Hi-Fi Personal Component System

SERVICE MANUAL

MODEL D-107

PERSONAL AUDIO SYSTEM



- **Some illustrations using in this service manual are slightly different from the actual set.**

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X0133 205 NC 0112

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

SPECIFICATIONS

■ Amplifier Section

Practical maximum output:	Satellite: 25W + 25W (6Ω/ohms, 1kHz, T.H.D. 0.9%) Subwoofer: 50W (12Ω/ohms, 100Hz, T.H.D. 0.9%)

■ Receiver Section

Audio input/output jacks:	AUX input/output jacks, Optical digital out jacks
Receive frequency bands:	FM: 87.50MHz to 108.00MHz AM: 520kHz to 1710kHz
Receive sensitivity:	FM: 1.5μV/75Ω/ohms AM: 20μV
FM stereo separation:	35 dB (1 kHz)

■ CD Section

Wow and flutter:	Below measurement limits (±0.001% W peak)
Sampling frequency:	44.1kHz
Light source:	Semiconductor laser

■ Clock and Timer Section

Clock:	Crystal oscillation synchronizing system (Within one minute per month)
Timers:	Everyday timer (1 setting) Once timer (1 setting) Sleep timer (maximum 60 min.)

■ Common Section

Power supply:	80W
Power consumption:	(In the standby mode: 1.5W or less when the eco-mode is set, 20W normally)
Maximum external dimensions:	D107: 204 (W) × 293 (H) × 157 (D) mm (Including stand) (8-1/32″ × 11-17/32″ × 6-3/16″) * With stand removed 204 (W) × 267 (H) × 82 (D) mm (8-1/32″ × 10-33/64″ × 3-15/64″) USC-107: 162 (W) × 293 (H) × 149 (D) mm (Including stand) (6-3/8″ × 11-17/32″ × 5-55/64″) * With stand removed 162 (W) × 267 (H) × 72 (D) mm (6-3/8″ × 10-33/64″ × 2-53/64″) USW-107: 447 (W) × 210 (H) × 205 (D) mm (Including net) (17-19/32″ × 8-17/64″ × 8-5/64″)
Mass:	D-107: 2.6kg (5lbs 11.7oz) USC-107: 1.4kg (3lbs 1.74oz) (each) USW-107: 7.9kg (17lbs 6.7oz)

■ Remote Control (RC-909)

Remote control system:	Infrared pulse
Power supply:	3V DC (using two R03/AAA type batteries)
Maximum external dimensions:	48 (W) × 210 (H) × 29 (D) mm (1-57/64″ × 8-17/64″ × 1-9/64″)
Mass:	120g (4.2oz) (including batteries)

* For improvement purposes, specifications and functions are subject to change without advanced notice.

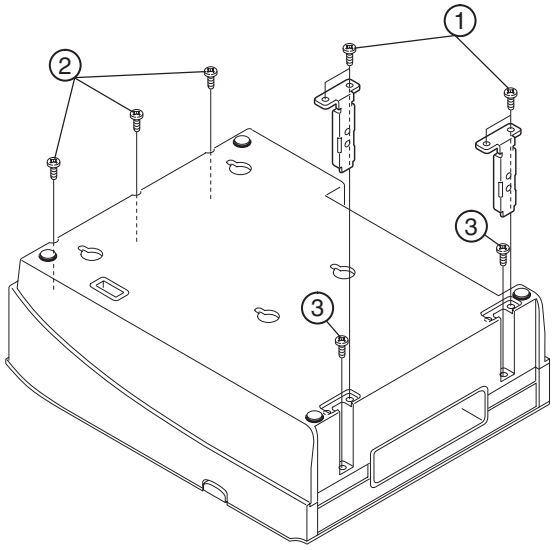
DISASSEMBLY

(Follow the procedure below in reverse order when reassembling)

Note: This system has a feature to back-up various settings such as function selected, volume level, etc. By performing disassembly or checking of the system, this back-up function can be a cause of error, and the system may not work normally when power on after re-assembling.
To avoid this error, short-circuit both leads (+ and - terminals) of C110 on 1U-3398-1 (Main PWB) for more than 60 sec., and check that the voltage between the terminals is lowered less than 1V before re-assembling. (The back-up function is deactivated and various settings are reset to factory settings, default values, if short-circuited.)

1. Rear Panel

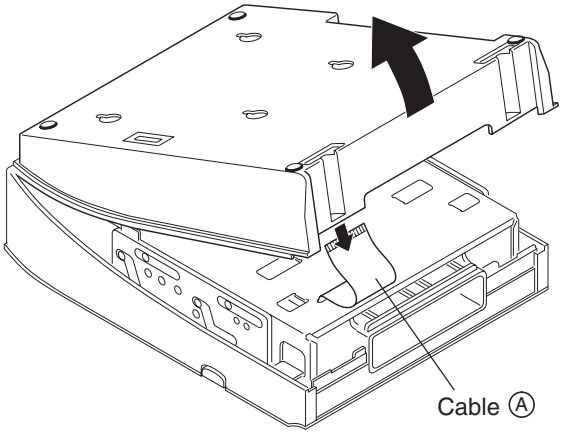
1) Remove 4 screws ① to detach the Stand Bracket.
2) Remove 3 screws ② and 2 screws ③ on the Rear Panel.



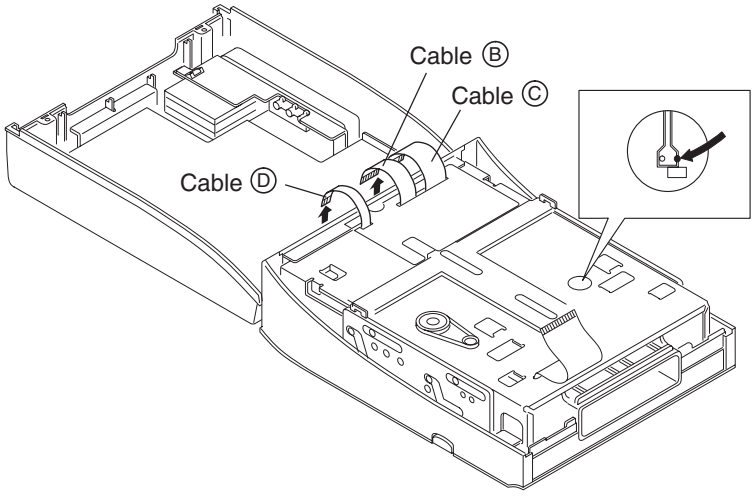
3) Lift up bottom end of the Rear Panel and disconnect the cable Ⓐ.

4) Open the Rear Panel, and solder the Shorting Land on the PWB to short-circuit.

Note: The Shorting Land must be short-circuited to protect laser diode of the optical pick-up. Be sure to short-circuit before disconnecting the cable Ⓑ. Also, remove solder on the Shorting Land after inserting the cable Ⓑ.

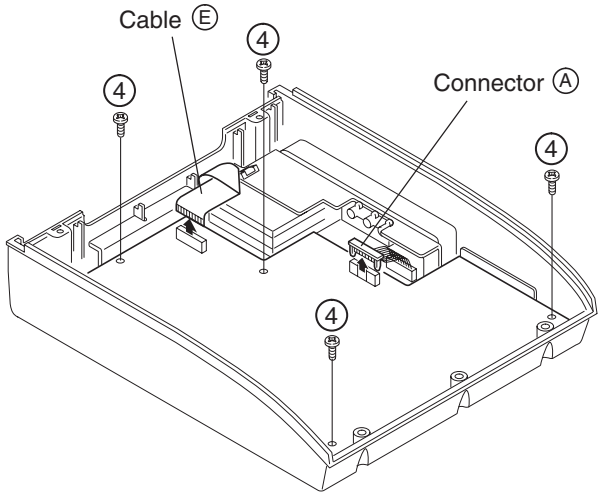


5) Disconnect 3 cables Ⓑ, Ⓒ, Ⓓ.



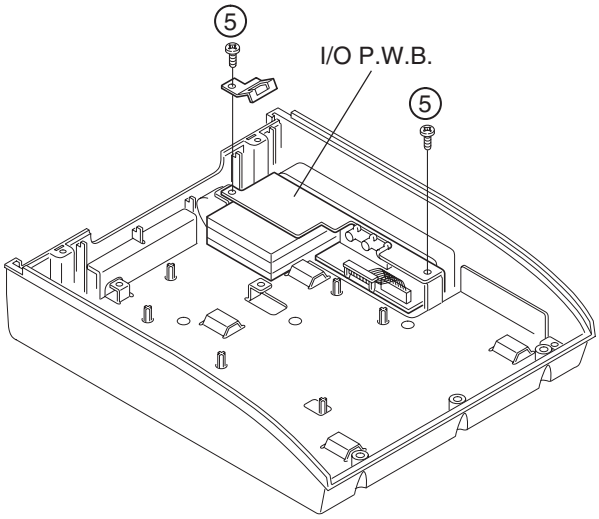
2. Main P.W.B.

1) Disconnect connector Ⓐ and cable Ⓔ.
2) Remove 4 screws ④.



3. I/O P.W.B.

1) Remove 2 screws ⑤.



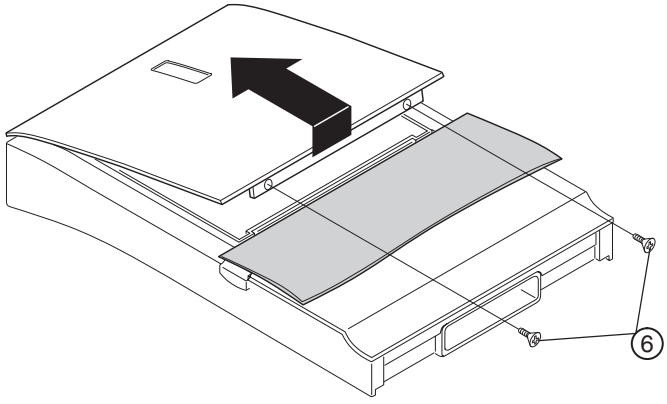
4. Door Panel

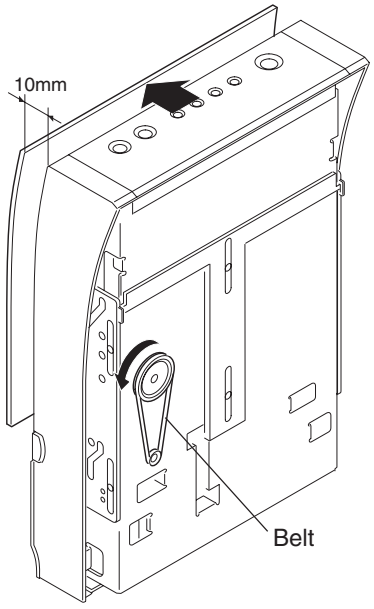
1) Turn the pulley counter-clockwise to open the Door about 10mm horizontally.

Note: Be careful not to disengage or twist the belt.

2) Remove 2 screws ⑥, and detach by lifting in the arrow direction.

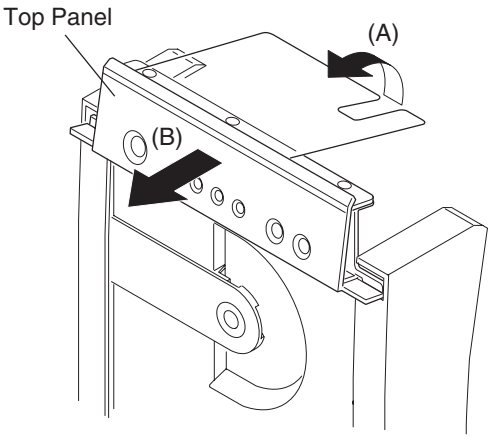
Note: In order not to scratch the silver part of the display window, cover its surface with a thin sheet beforehand.





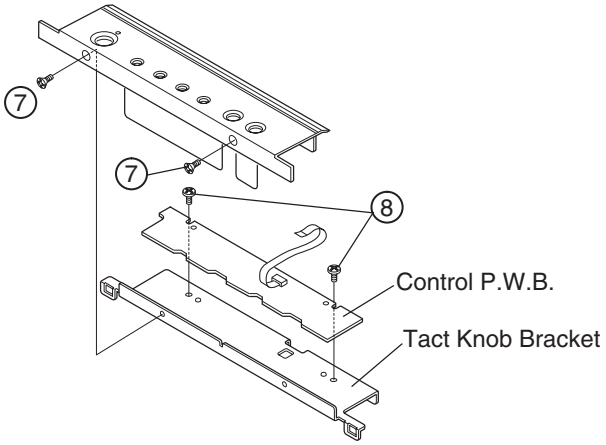
5. Top Panel

1) Open rear of the Top Panel in the arrow direction (A).
2) Pull it out horizontally as shown in the arrow direction (B).



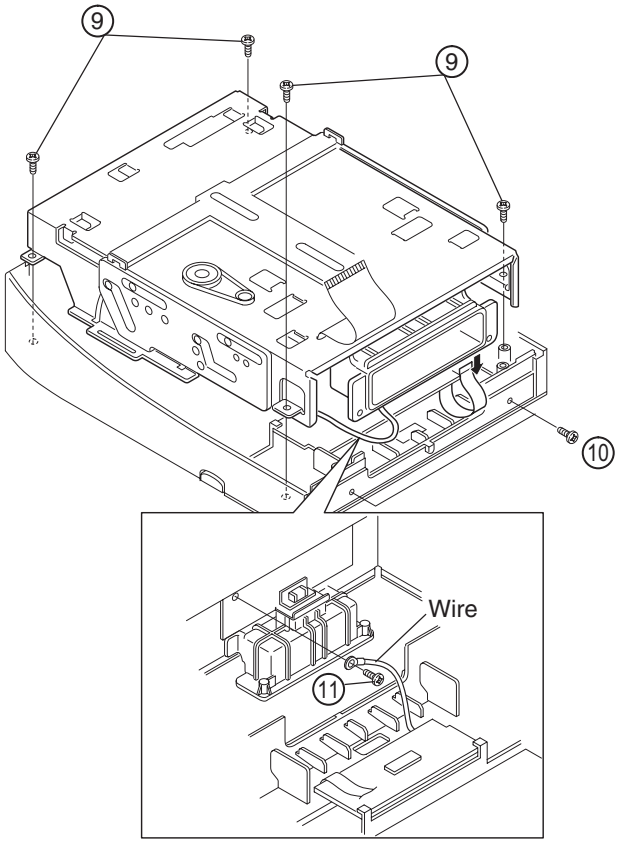
6. Control P.W.B.

1) Remove 2 screws ⑦ to separate the Top Panel and Tact Knob Bracket.
2) Remove 2 screws ⑧.



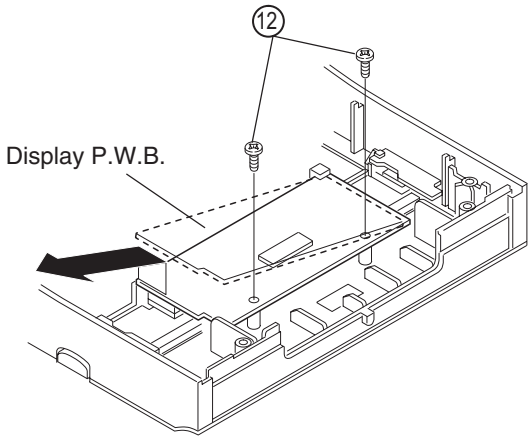
7. Mecha. Unit

1) Remove 4 screws ⑨.
2) Remove 2 screws ⑩.
3) Lift up the Mecha. and disconnect the cable.
4) Open the Mecha. and remove 1 screw ⑪ fixing the wire.



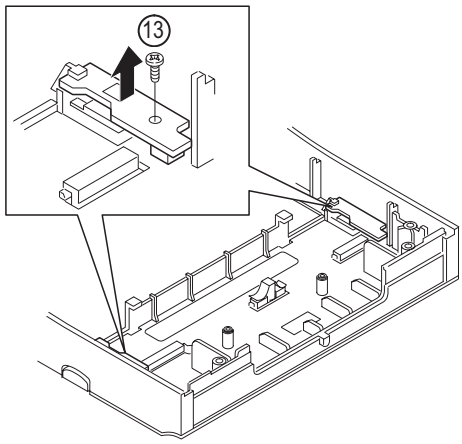
8. Display P.W.B.

1) Remove 2 screws ⑫.
2) Detach the P.W.B. with lifting as shown and sliding in the arrow direction.



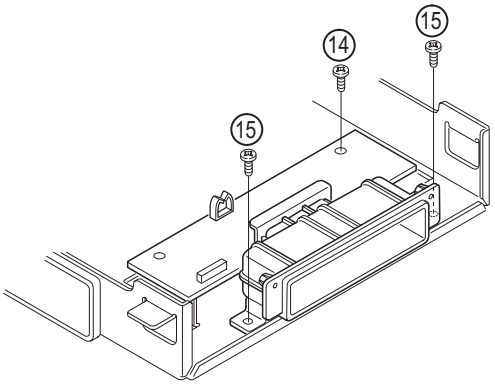
9. OP/CL SW P.W.B., Play P.W.B.

1) Remove 1 screw ⑬.
2) Detach the P.W.B. by moving to the arrow direction.
   (The same for the other P.W.B., right and left symmetrical.)



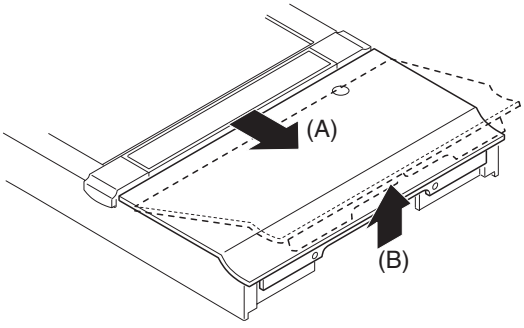
10. Interface P.W.B.

1) Remove 1 screw ⑭ and 2 screws ⑮, and release the wire from its clamper.



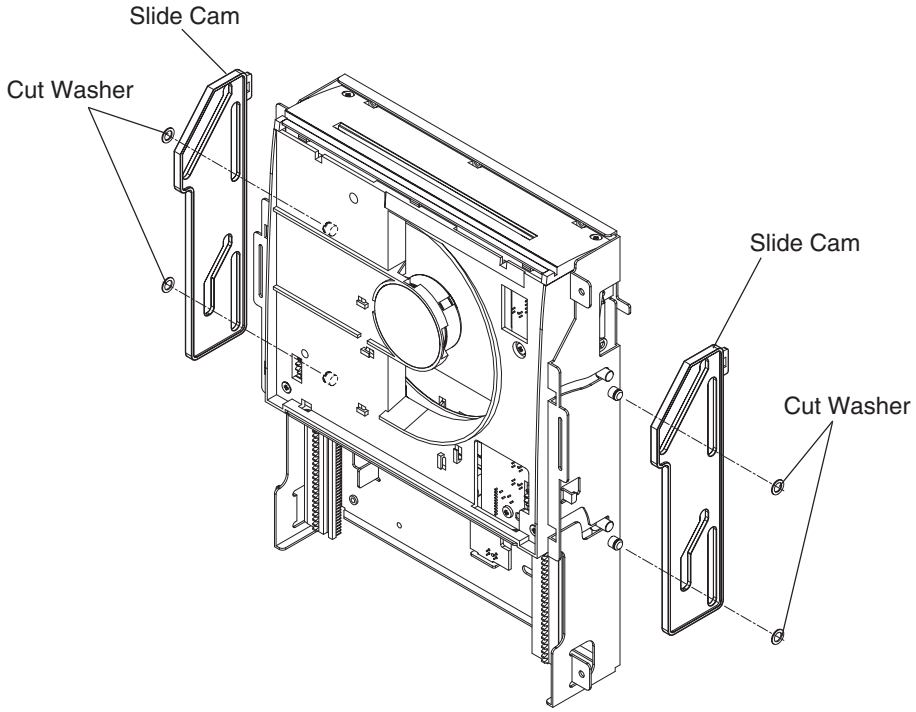
11. Front Panel

1) Move the Front Panel to the arrow direction (A).
2) Detach the Front Panel with lifting its bottom and sliding in the arrow direction (B).



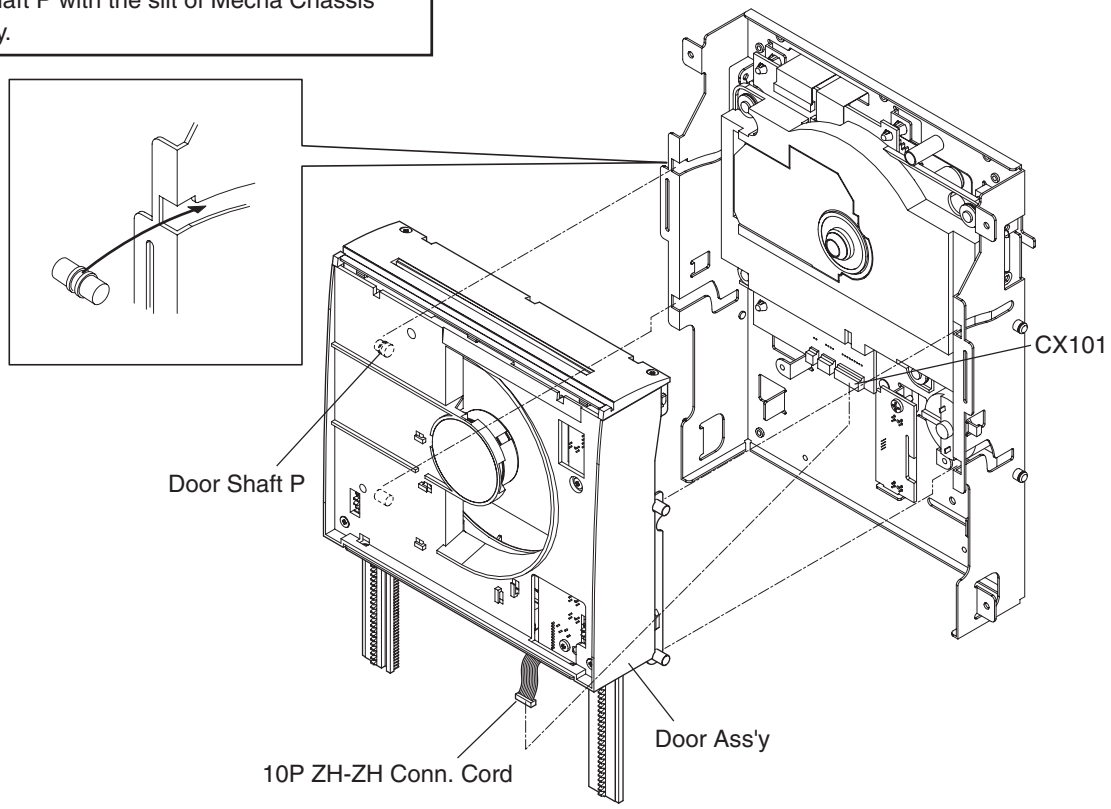
TR MECHA SUB ASS'Y DISASSEMBLY

1. Remove 4 Cut Washers and 2 Slide Cams on both sides of the Mecha.



2. Disconnect 10P ZH-ZH Connector Cord from CX101, then detach the Door Ass'y.

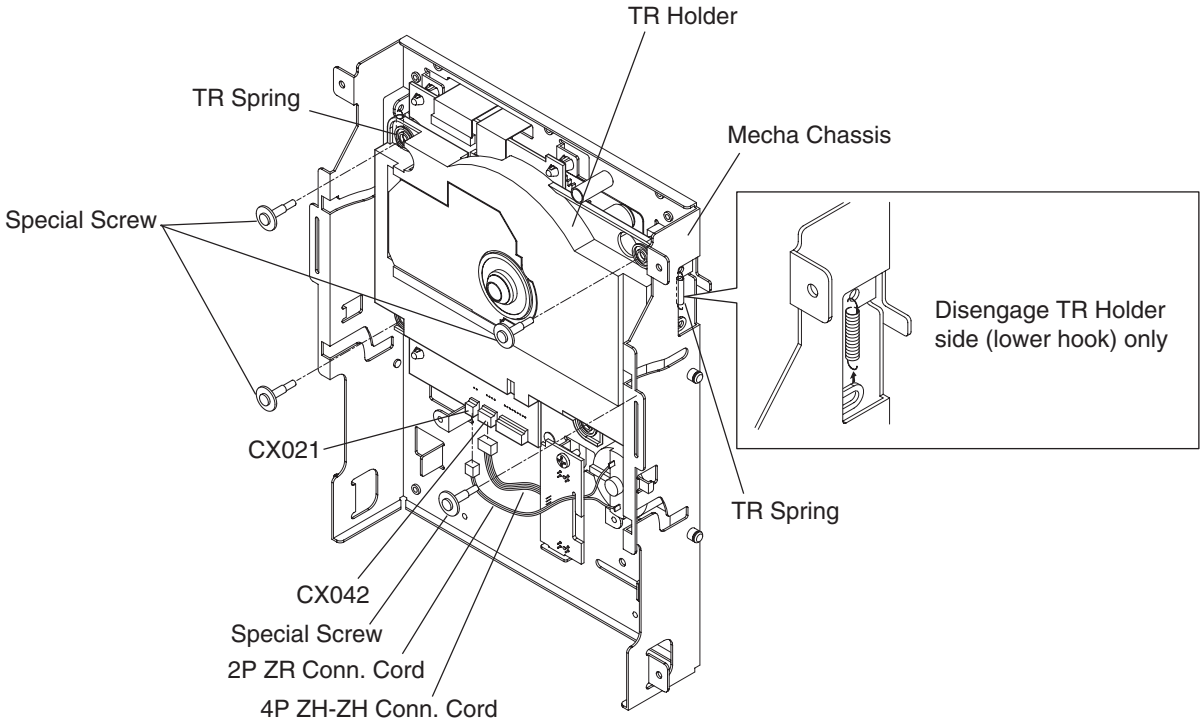
Note: When re-assembling Door Ass'y, align the groove on Door Shaft P with the slit of Mecha Chassis respectively.



3-1. Disengage one each side of 2 TR Springs. Only TR Holder side, don't disengage Mecha Chassis side.

3-2. Disconnect 2P ZR Connector Cord from CX021, and 4P ZH-ZH Connector Cord from CX042.

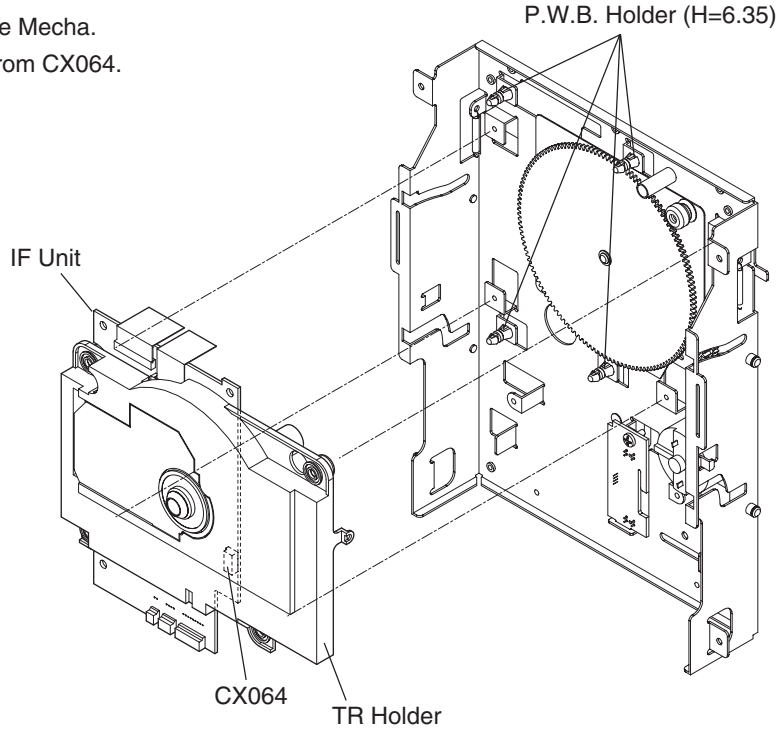
3-3. Remove 4 pcs of Special Screw fixing the TR Holder.



4-1. Release 4 PWB Holders for IF Unit.

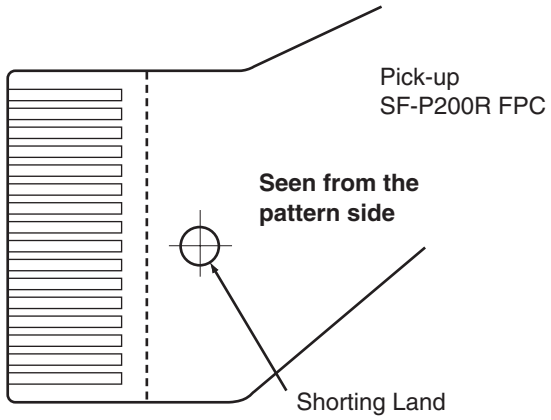
4-2. Detach IF Unit and TR Holder from the Mecha.

4-3. Disconnect 6P Wire of CD Traverse from CX064.



5. Short-circuit the Shorting Land on FPC of TR Mecha Sub Ass'y by soldering on the pattern.

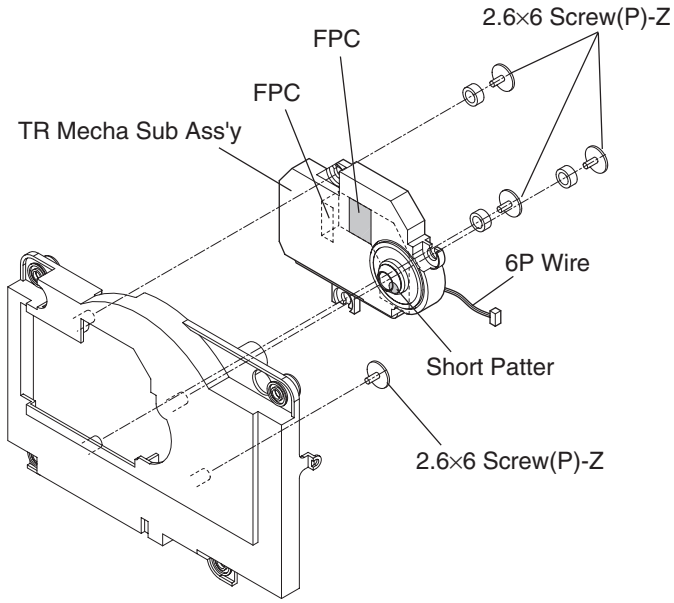
Note: Be sure to short-circuit while FPC is still connected with IF Unit. Also, remove solder on the Shorting Land after connecting it with IF Unit.

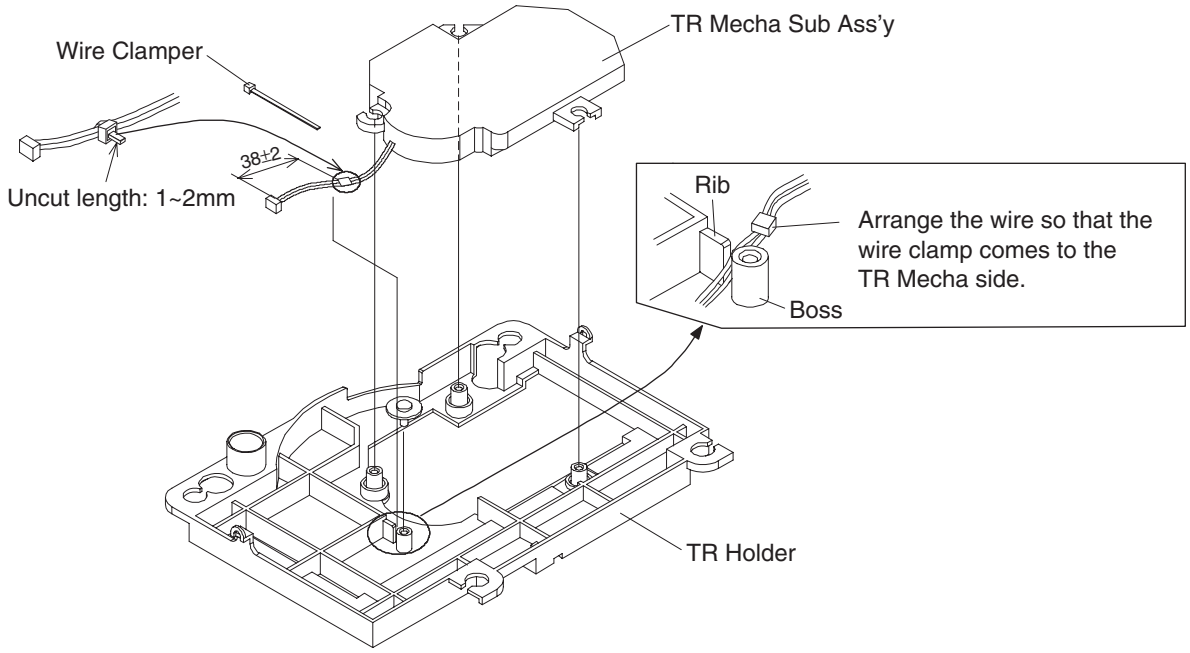


6-1. Detach FPC of TR Mecha Sub Ass'y from IF Unit, then disconnect it from CX162.

6-2. Remove 4 pcs of 2.6×6 Screw on the back of the TR Holder, then detach the TR Mecha Sub Ass'y.

Note: When re-assembling the TR Mecha Sub Ass'y, tie 6P wire with a wire clamper and position it between boss and rib as shown below, then fix with 2.6×6 Screw(p)-Z.



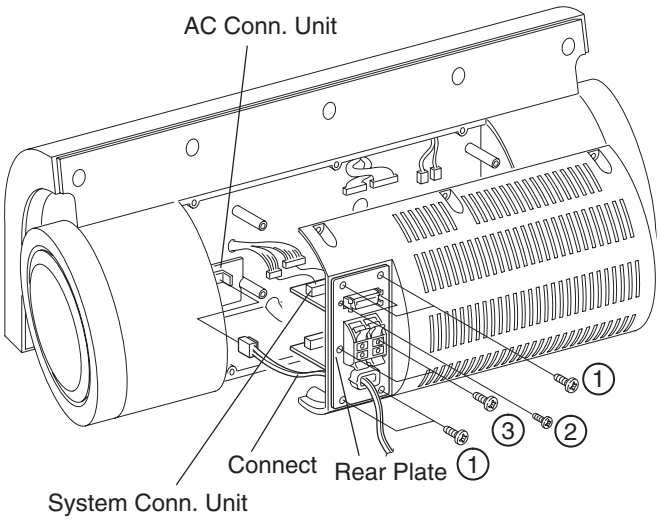


SUB WOOFER DISASSEMBLY

Caution: Be sure to check that there is no jarring sound from sub-woofer or no air-leak through joints of parts after reassembling by playing CD source (ordinary music source) with volume indication level 30.

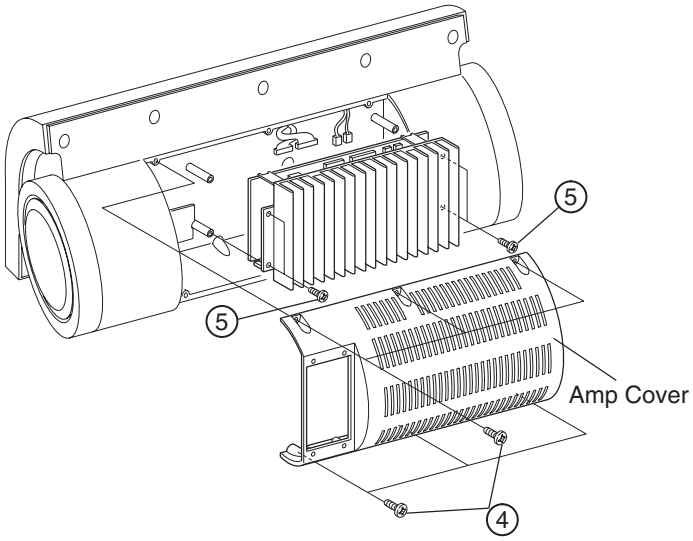
1. SP Terminal Unit, System Conn. Unit

1) Remove 4 screws ① to detach the Rear Plate.
2) Disconnect 1 cable from the AC Conn. Unit and 3 cables from the System Conn. Unit.
3) Disengage fasten terminal on SP Terminal right.
4) Remove 2 screws ② to detach the System Conn. Unit.
5) Remove 2 screws ③ to detach the SP Terminal Unit.

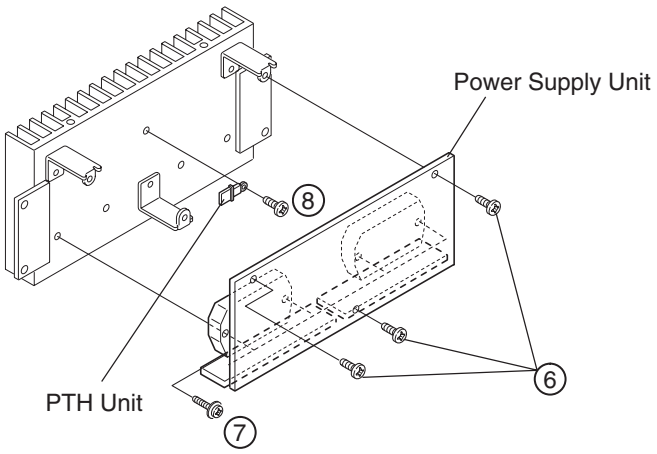


2. Radiator Sub Ass'y

1) Remove 6 screws ④ to detach the Amp Cover.
2) Remove 4 screws ⑤ fixing the Radiator Sub Ass'y.
3) Lift up the Radiator Sub Ass'y and disconnect 4 cables from the Power Amp Unit.



4) Remove 3 screws ⑥ and separate the Power Supply Unit.
5) Remove 4 screws ⑦ and separate the L/R Amp Unit, SW Amp Unit.
6) Remove 1 screw ⑧ and separate the PTH Unit.

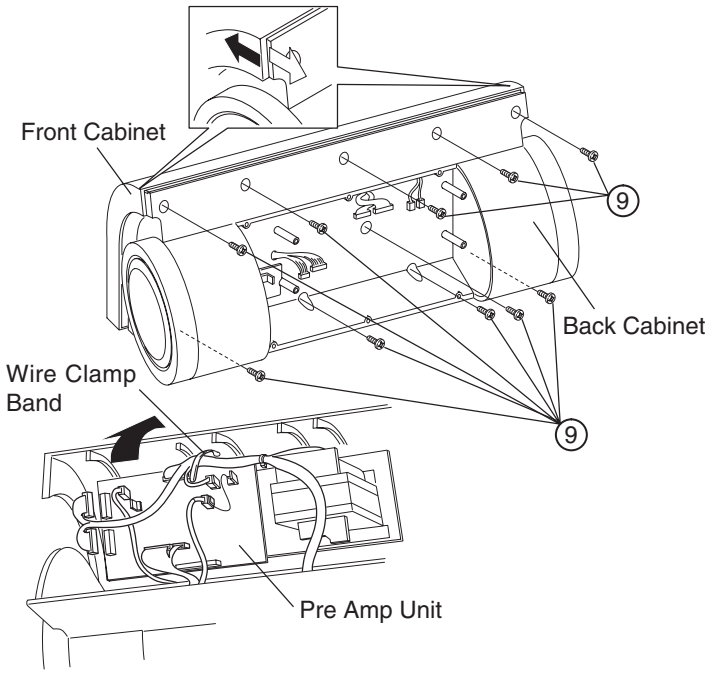


3. Back Cabinet, Front Cabinet

1) Remove 10 screws ⑨.
2) With holding the Back Cabinet, pull both sides of the Front Cabinet in the arrow direction.

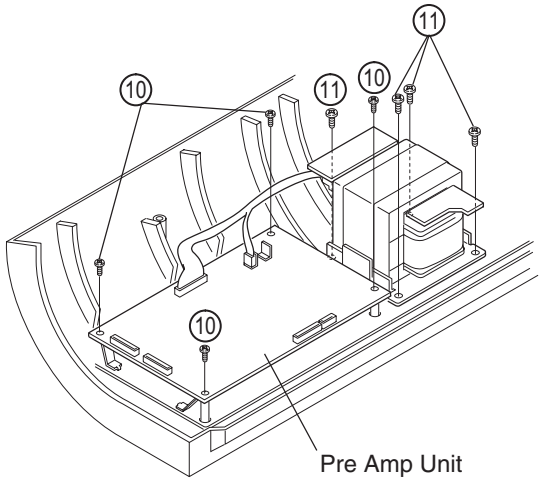
> **Note:** Use a rubber hammer etc. to hit the ⬅ arrow part of the Front Cabinet if it's hard to remove.

3) Push the Front Cabinet to the arrow direction to make a gap between the Back Cabinet.
4) Cut the wire clamp band near the Front Cabinet, and disconnect 4 cables on the Pre Amp Unit.
5) Disconnect 2 cables on the bottom of the Pre Amp Unit, and separate the Back and Front Cabinet.



4. Pre Amp Unit, Transformer

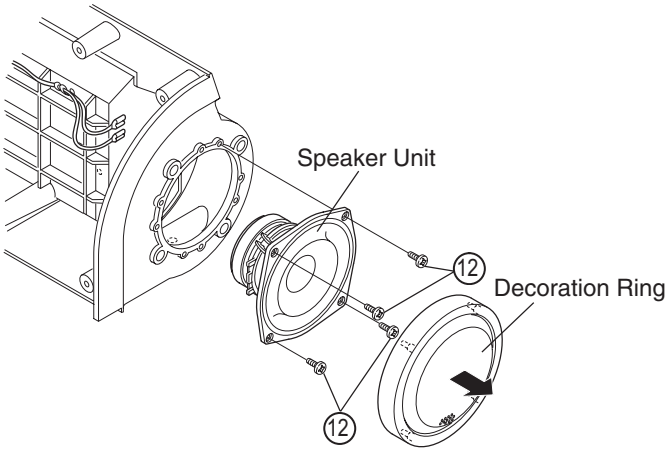
1) Remove 4 screws ⑩ to detach the Pre Amp Unit.
2) Remove 4 screws ⑪ to detach the Transformer.



5. Speaker Unit

1) Pull out the Decoration Ring in the arrow direction.
2) Remove 4 screws ⑫ to detach the Speaker Unit.

> **Note:** When disconnecting the cables from terminals of the Speaker Unit, make it at the position where the terminals of the Speaker Unit can be seen from the Back Cabinet. The clamp part of the internal speaker cables will be disengaged if separated farther.

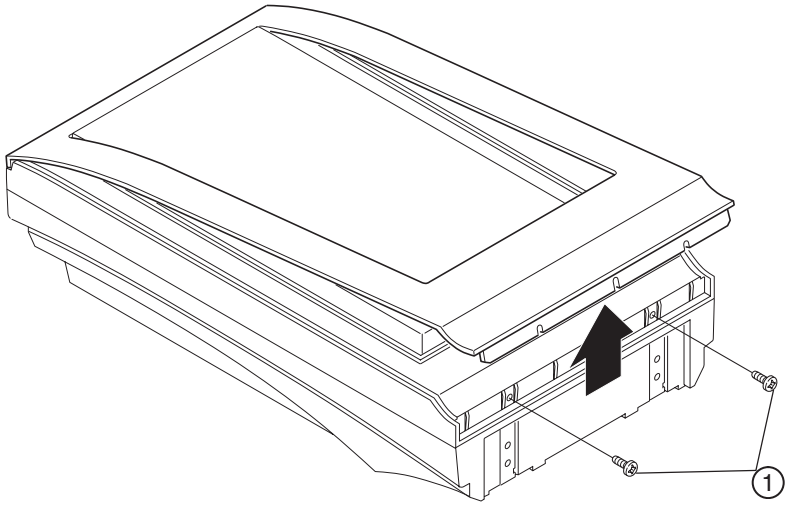


SPEAKER DISASSEMBLY

1. Front Panel

1) Remove 2 screws ①.
2) Lift up bottom end of the Front Panel as shown to release the hook.

Note: Unit change will be necessary if farther disassembling is needed.



NOTE IN HANDLING FOR LASER PICK-UP

• Caution for Handling the Laser Pick-up

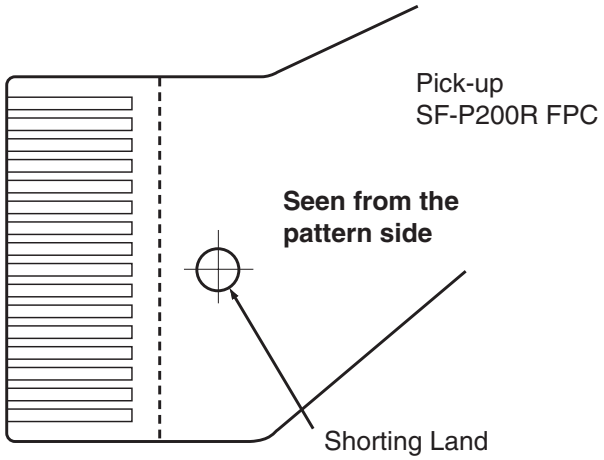
The laser pick-up is assembled and precisely adjusted using a sophisticated manufacturing process in our plant. Do not disassemble or attempt to readjust it. Please observe the following instructions carefully in handling the pick-up.

1. Handle with Care

(1) Storage
Do not store the pick-up in dusty, high-temperatured or high-humidity environments.
(2) Please take care for preventing from shock by falling down or careless handling.

2. Protection of the LD

Short a part of the LD circuit by soldering. After connection to a circuit, remove the short solder.



3. Precautions when handling the CD mechanism

- Handle the laser pick-up so that it is not exposed to dust.
- Do not leave the laser pick-up bare. Be sure to cover it.
- If dust adheres on lens of the pick-up, blow it off with a blower brush.
- Do not shock the laser pick-up.
- Do not watch the light of the laser pick-up.

4. Cautions on assembling and adjustment

- Be sure that to the bench, jig, head of soldering (with ceramic) iron and measuring instruments are well grounded.
- Workers who handle the laser pick-up must be grounded.
- The finished mechanism (prior to anchoring in the set) should be protected against static electricity and dust. The mechanism must be stored so that damaging outside forces are not received.
- When carrying the finished mechanism, hold it by the chassis body.
- For proper operation, storage and operating environment should not contain corrosive gases. For example H_2S, SO_2 NO_2, CL_2 etc. In addition storage environment should not have materials that emit corrosive gases especially from silicic, cyanic, formailn and phenol group. In the mechanism or the set, existence of corrosive gases may cause no rotation in motor.

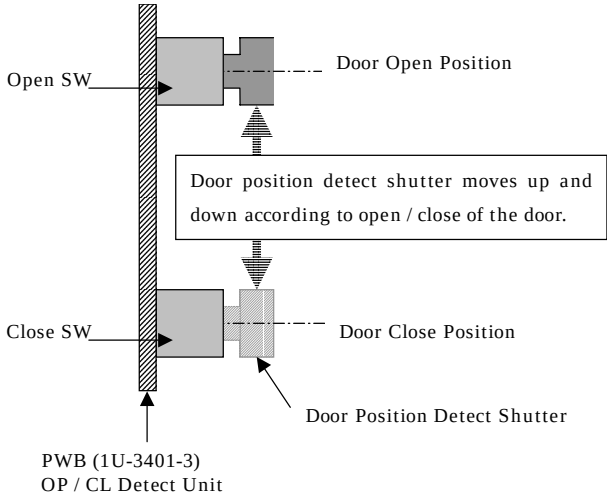
MECHANISM AND FUNCTION OF CD MECHA

1. Traverse Mecha :
   TR Mecha Sub Ass'y (GEN5327)
2. Door Open/Close Mechanism:
   Driven by the door open/close motor, Open SW and Close SW are equipped for checking stop position.
3. Disc Transfer Mechanism:
   Driven by the holder up-down motor, Out SW, Clamp SW, and In SW are equipped for checking stop position.

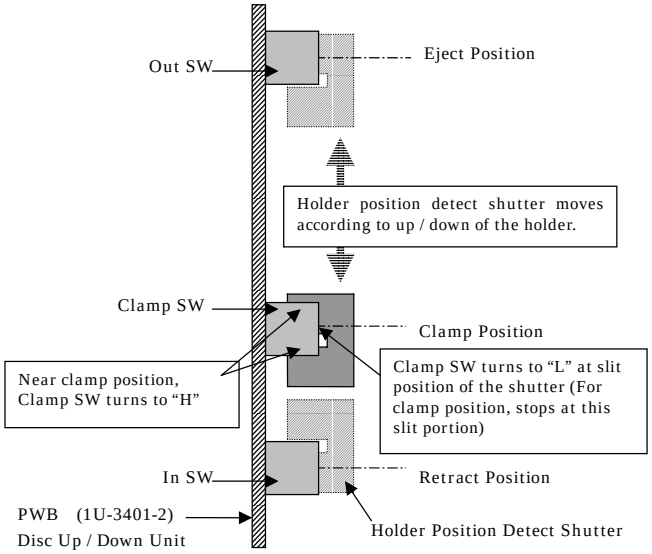
Description

Name	Function	Remarks
Disc SW	Disc insertion detect	Monitors at holder (Door Open), With disc : "L", without disc : "H"
12cm SW	12cm Disc detect	Monitors at holder eject position, 12cm disc load : "L", others : "H"
Open SW	Door open position detect	Door open stop position : "H", others : "L"
Close SW	Door close position detect	Door close stop position : "H", others : "L"
Out SW	Holder (disc transfer part) eject position detect	Eject position : "H", others : "L"
Clamp SW	Holder (disc transfer part) clamp position detect	Clamp position : "L", Near Clamp position : "H" Others : "L"
In SW	Holder (disc transfer part) retract position detect (Holder's disc release position after clamping)	Retract position : "H", others : "L"

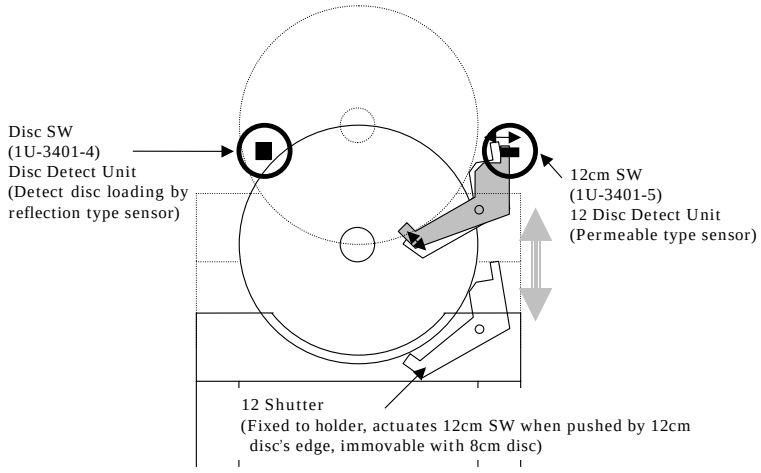
Door Position Detect



Holder Position Detect

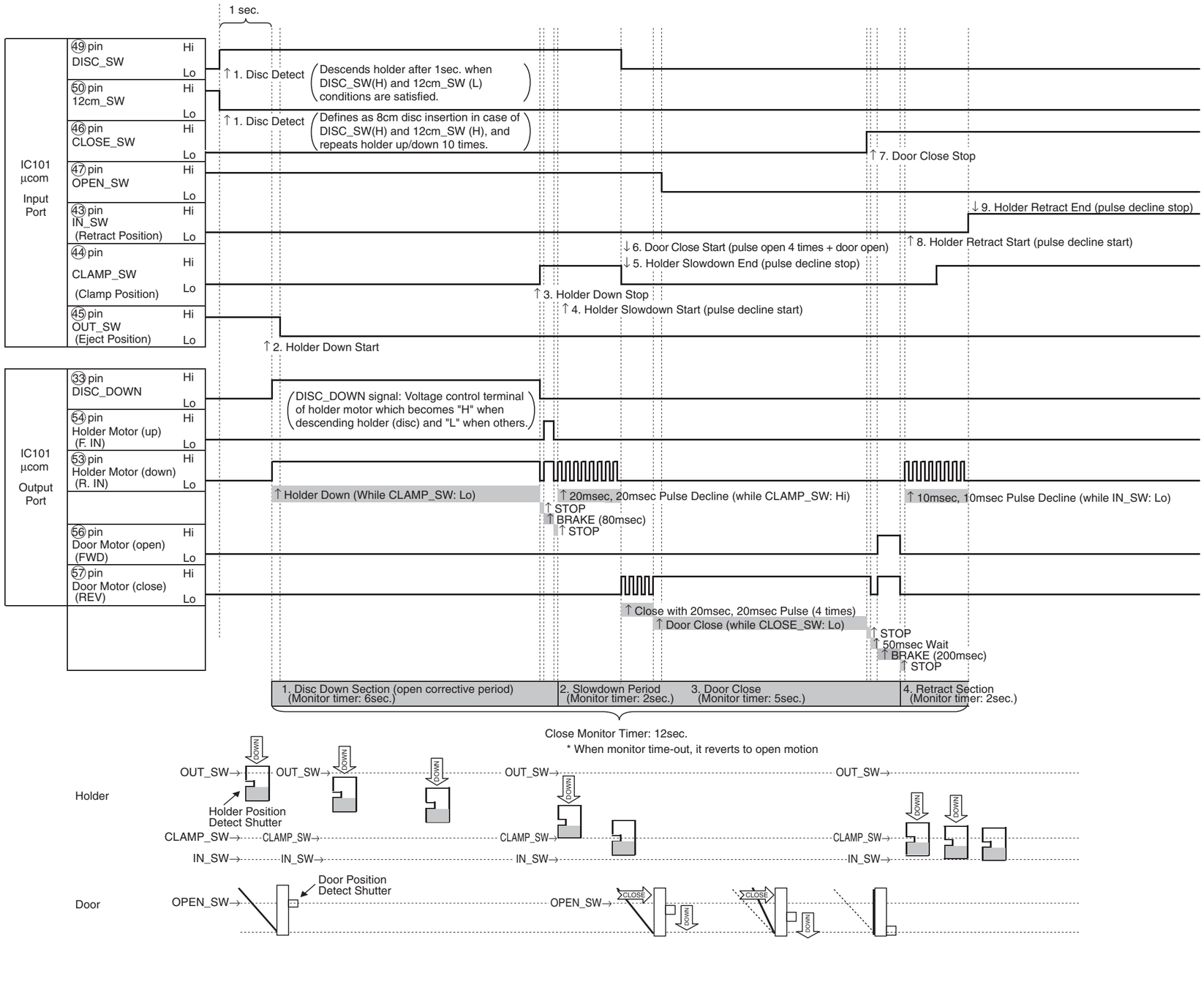


Disc Detect



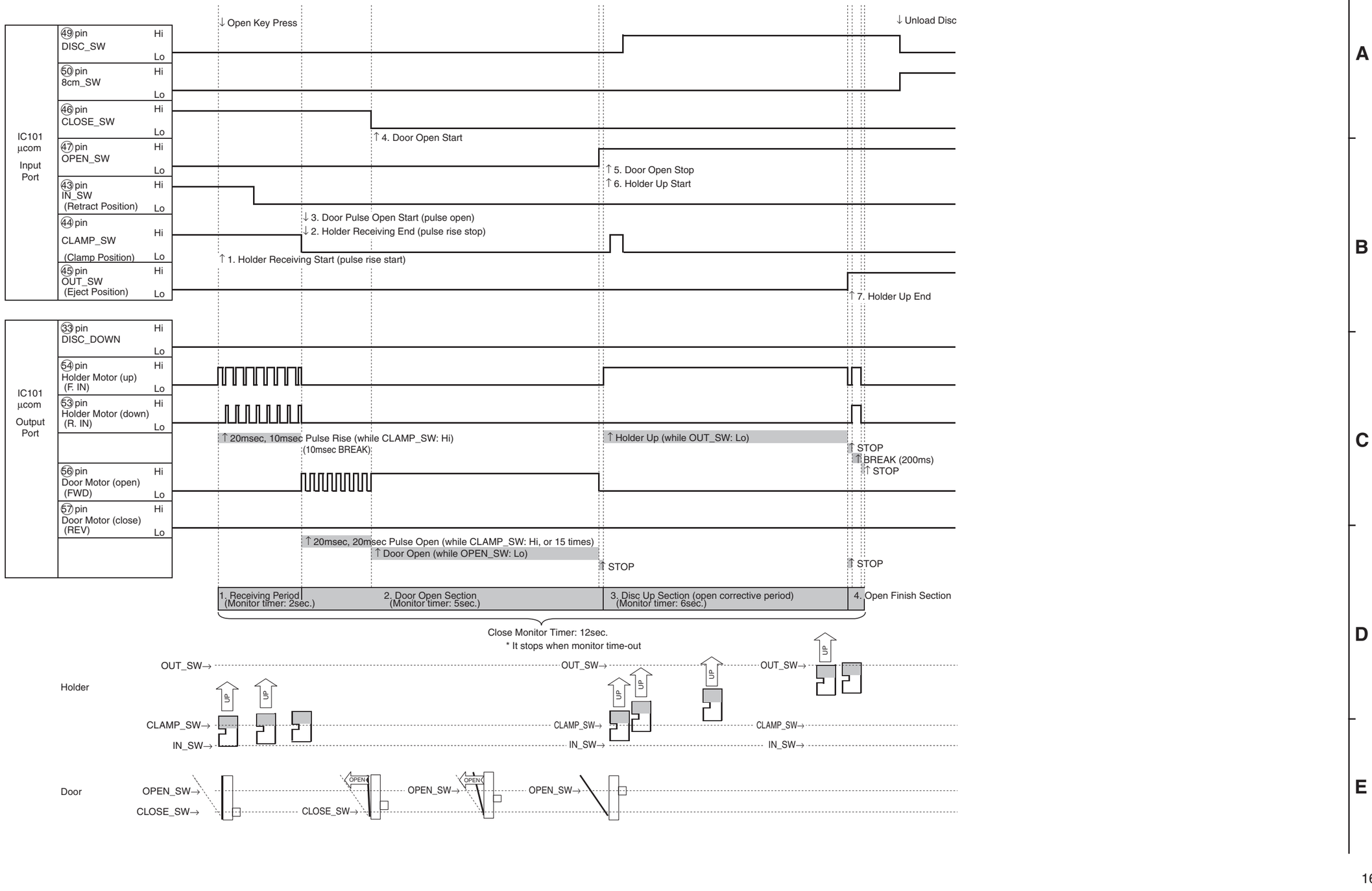
Loader Mecha Timing Chart

Timing Chart when close



Loader Mecha Timing Chart

Timing Chart when open



CONFIRMATION METHOD OF ADJUSTMENT

In the μcom of this system, there is a built-in function “adjustment confirmation mode” to check various servo control easily with CD operation buttons.
Also, focus offset, tracking offset, tracking balance, focus gain, and tracking gain are all adjusted automatically as the digital servo control is built in the system.

1. Activating Adjustment Confirmation Mode

(1) Load the test disc TCD-784 or Mozart (CO-74176) at the function CD.
(2) After pressing the ▶II button (PLAY/PAUSE) and ⏮ button simultaneously, press ■ button (STOP) within 3 sec.
(The adjustment confirmation mode is activated and the track number of the display turns to 01.)

Note: Normal control is disabled with the operation buttons when the adjustment confirmation mode is activated. To cancel this mode, simply unplug the AC cord.

2. Function of Adjustment Confirmation Mode

Step	Button	Function	Description
(0)	⏏ (OPEN/CLOSE)	Load / unload of disc.	• Open/close while disc is no rotation. • Press other button after finishing open/close mode.
(1)	▶II (PLAY/PAUSE)	Activates focus servo, and starts disc rotation.	• Track number display turns to 02.
(2)	⏮	Activates all servo, and starts auto-adjustment.	• When 02 displayed, press ⏮ after 3 sec. • Track number display turns to 03. • After auto-adjustment, it stops.
(3)	⏭	Displays each auto-adjustment result.	• After finishing auto-adjustment, every pressing of the ⏭ button displays each adjusted value of auto-adjustment as follows. Check that the value of ＊＊ portion falls within the range shown Table 1 on page18. (The value of ＊＊ portion is hexadecimal) Fdoffset ＊＊ h (Focus offset adjusted value) Tdoffset ＊＊ h (Tracking offset adjusted value) Tbal ＊＊ h (Tracking balance adjusted value) Fbal 0 0 h (Focus balance adjusted value) Fogain ＊＊ h (Focus gain adjusted value) Trgain ＊＊ h (Tracking gain adjusted value) • Focus balance adjusted value is always fixed to 00h.
	Other Button	May not operate normally.	• Do not operate with other buttons other than described above during this mode.

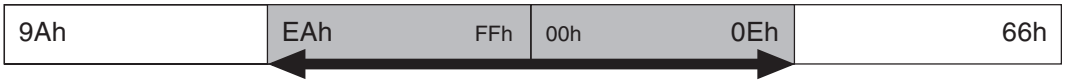
Table1 Servo Adjust Value Confirmation List

Fdoffset	Tdoffset	Tbal	Fogain	Trgain
EAh~0Eh	EAh~0Eh	6Bh~9Ah	28h~56h	28h~56h
EAh~FFh or 00h~0Eh	EAh~FFh or 00h~0Eh	Value indicated are hexadecimal (HEX)		

Fbal value indicated fourth in the item of adjusted value check will be displayed always as 00h because no adjustment is made.
When out of the range value appears, open and close the door once, then check the value again.

Summary of Adjustment Range

- Adjustment and confirmation range of Fdoffset, Tdoffset
  Adjustment range: 9Ah ~ 66h
  Confirmation range: EAh ~ 0Eh



- Adjustment and confirmation range of Tbal
  Adjustment range: 00h ~ FFh
  Confirmation range: 6Bh ~ 9Ah

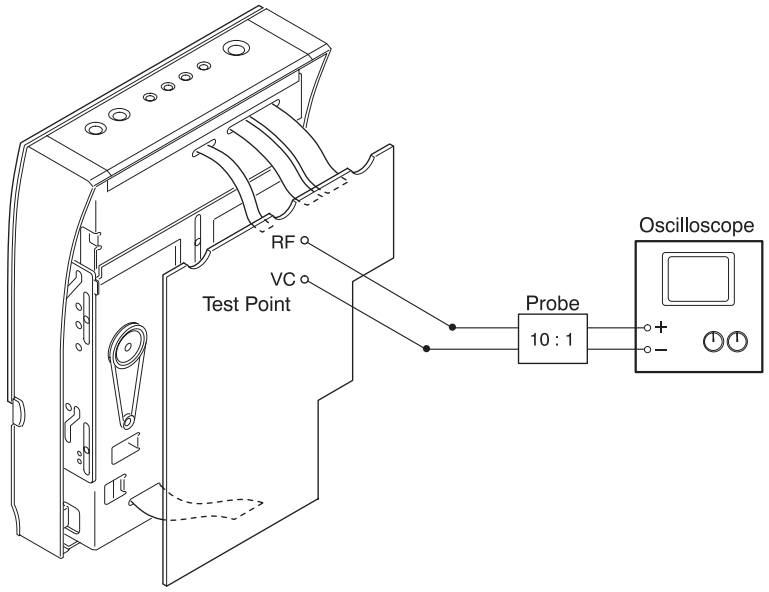
- Adjustment and confirmation range of Fogain, Trgain
  Adjustment range: 14h ~ 7Fh
  Confirmation range: 28h ~ 56h

3. How to Check HF Level

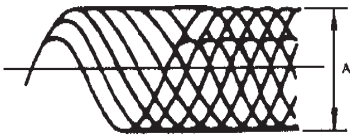
(1) Measuring instruments required
   a) Oscilloscope
   b) Test disc: TCD-784 (A-BEX) or Mozart (CO-74176)

(2) Attaching connection wire for checking HF level
   a) Disassemble 1U-3398-1 (Main PWB) → Refer to "DISASSEMBLY" on page 3, 4.
   b) Solder wires to RF and VC test points for connecting the probe of oscilloscope.
      (Length of the wires should be less than 20 cm) → Refer to 1U-3398-1 drawing on page 32.
   c) Assemble 1U-3398-1, see the diagram below.

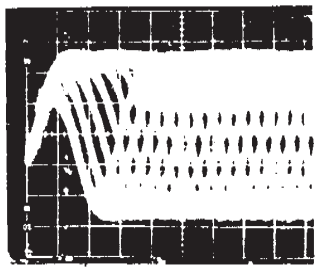
Wiring Diagram



Oscilloscope		Check Item
V	H	
50mV/div or 20mV/div	0.2μs/div or 0.5μs/div	1. Playback the test disc. 2. Check HF level on the oscilloscope.



A=0.7V~1.3V

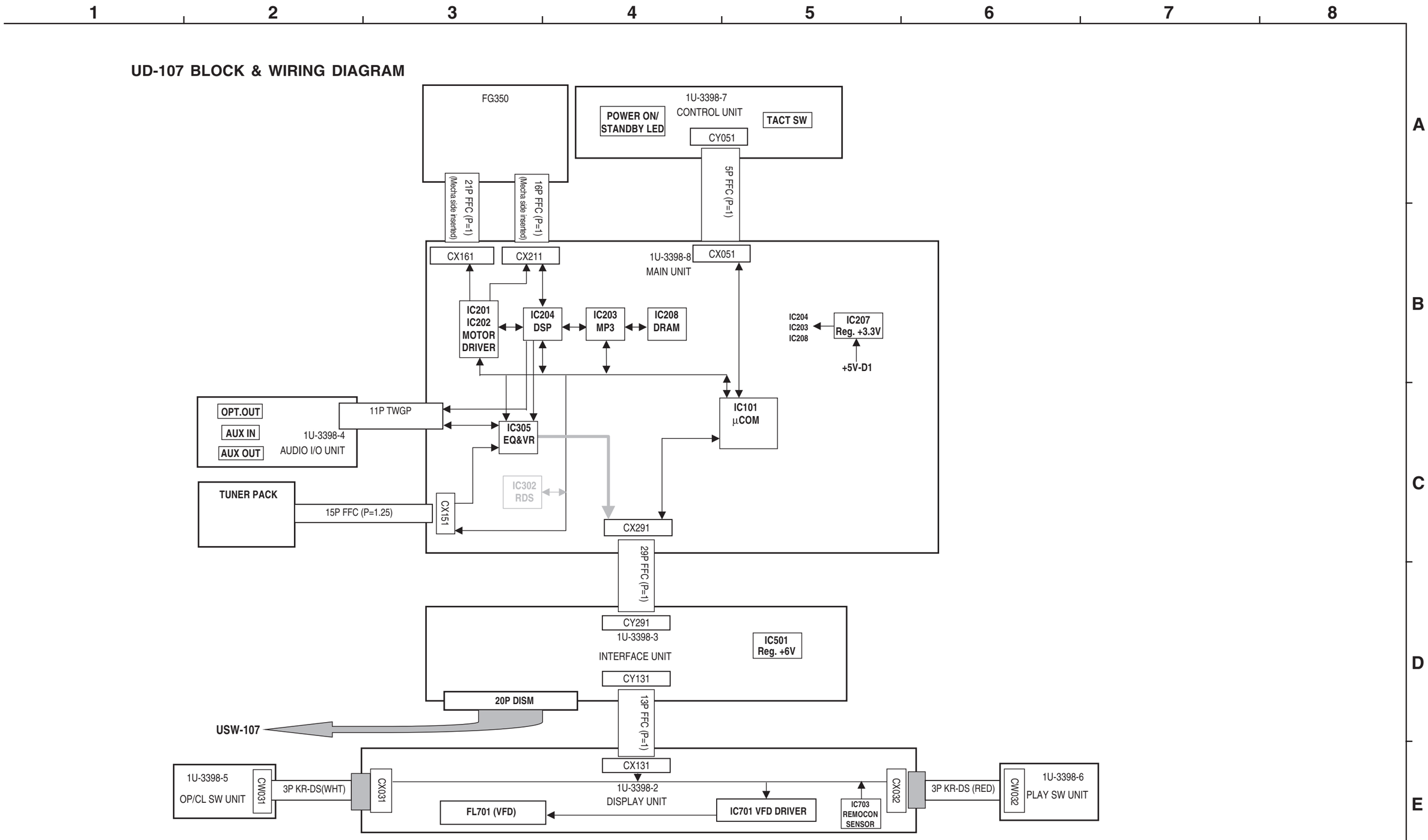


Eye-pattern

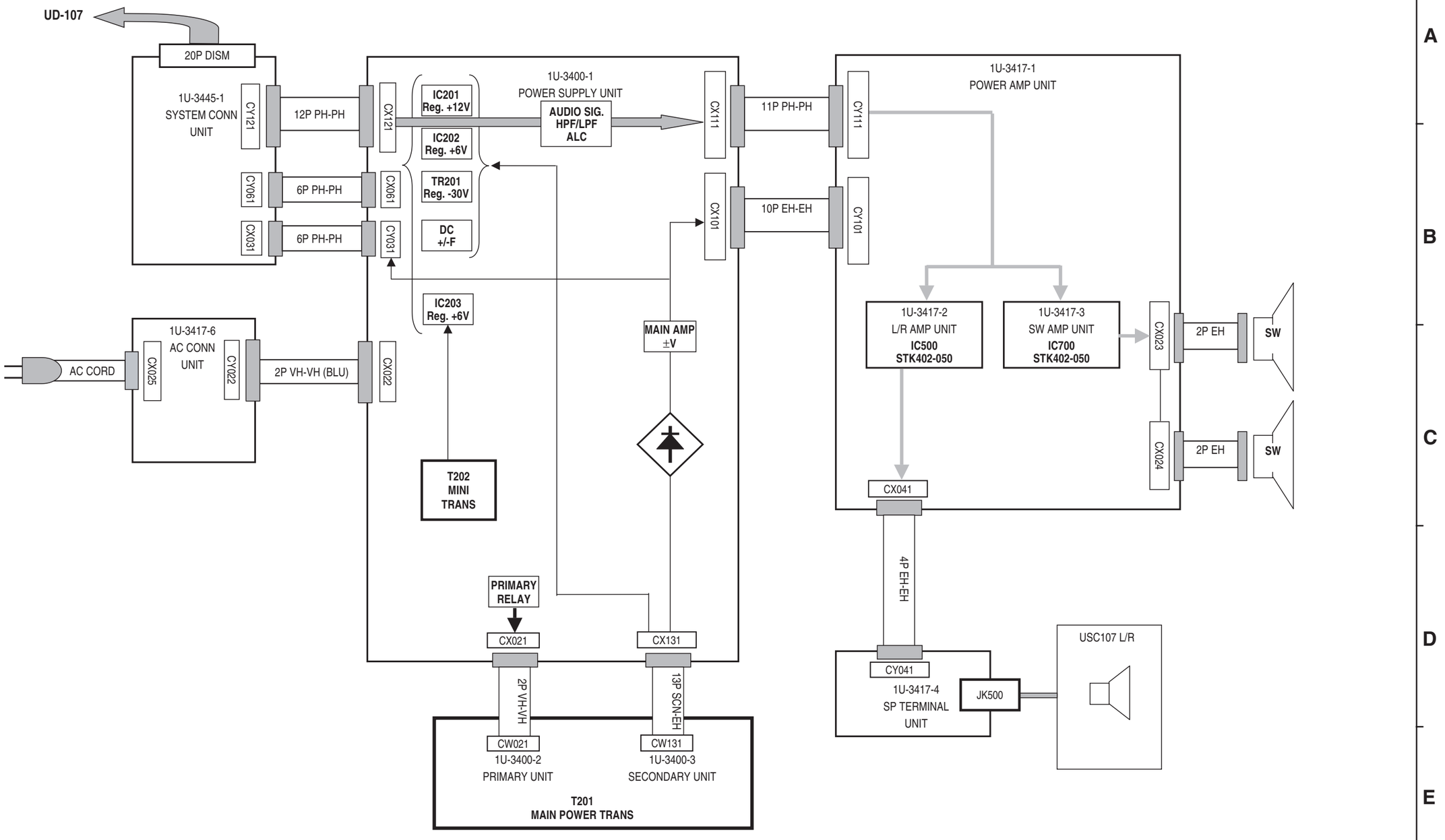
3. Check that the wave-form is not deformed
   (The center ◇ shapes must be discernible.)

BLOCK DIAGRAMS

UD-107 BLOCK & WIRING DIAGRAM



USW-107 BLOCK & WIRING DIAGRAM

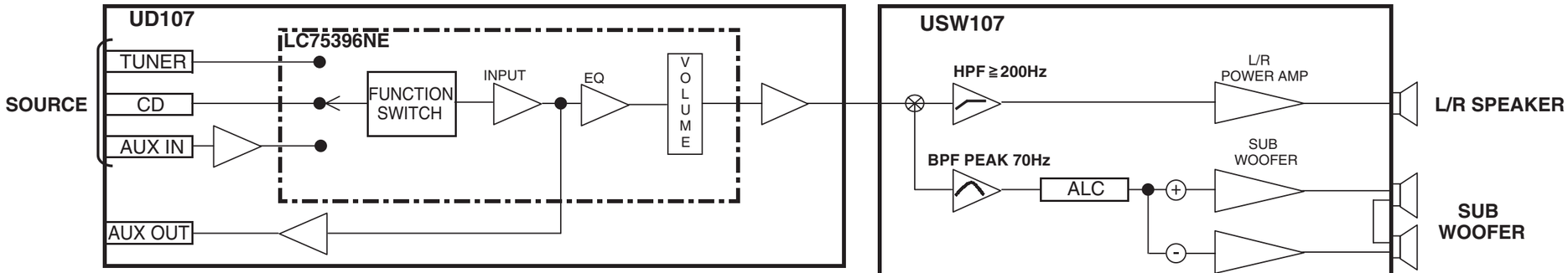


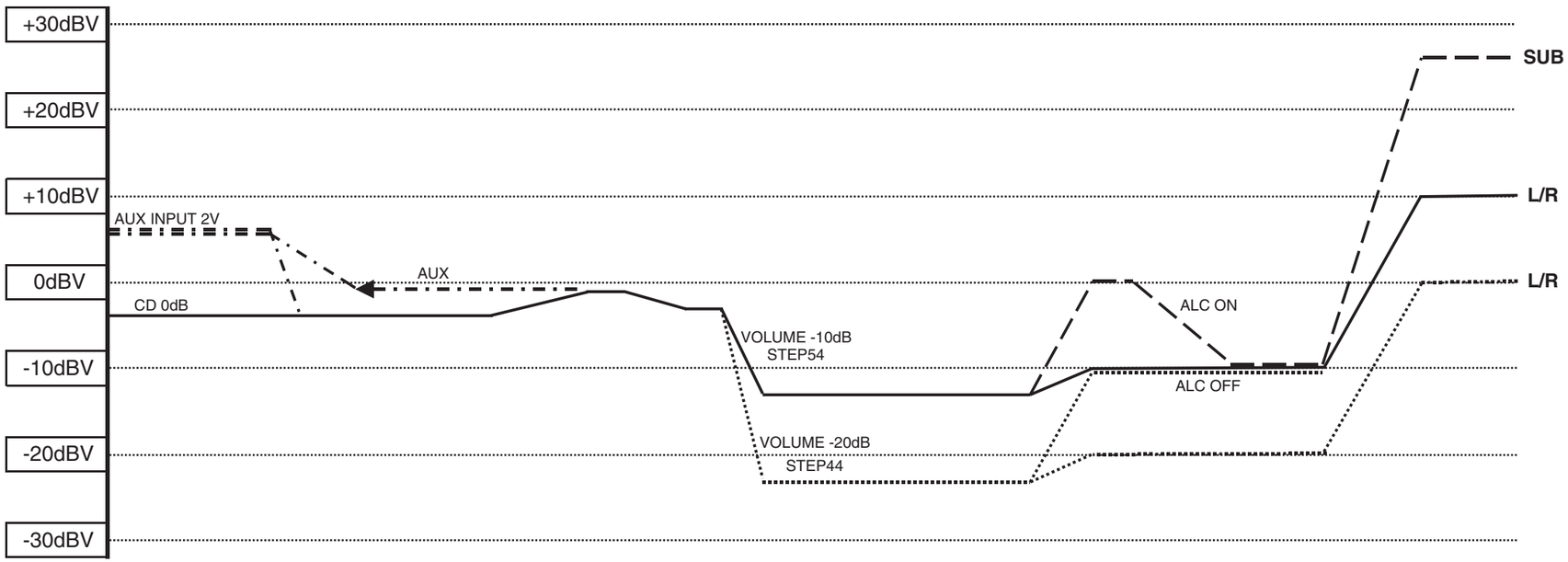
LEVEL DIAGRAM

1 2 3 4 5 6 7 8

A B C D E

D-107 LEVEL DIAGRAM



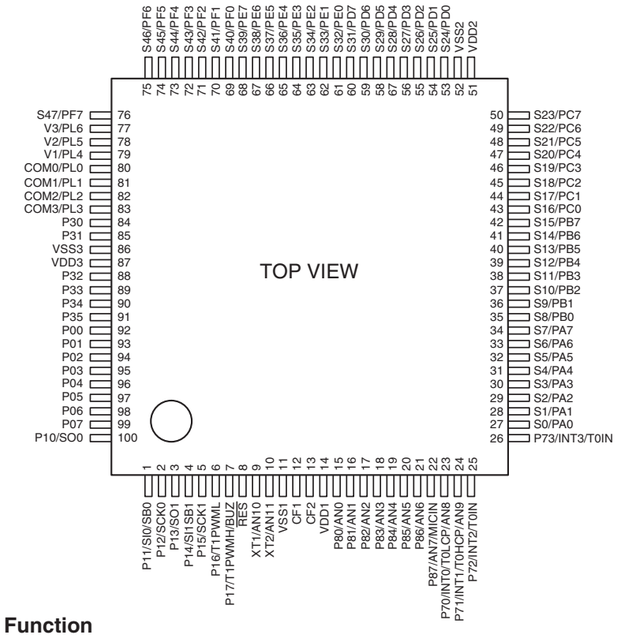


SEMICONDUCTORS

● IC's

Note: Indication before IC No. (SW) denotes "USW-107".

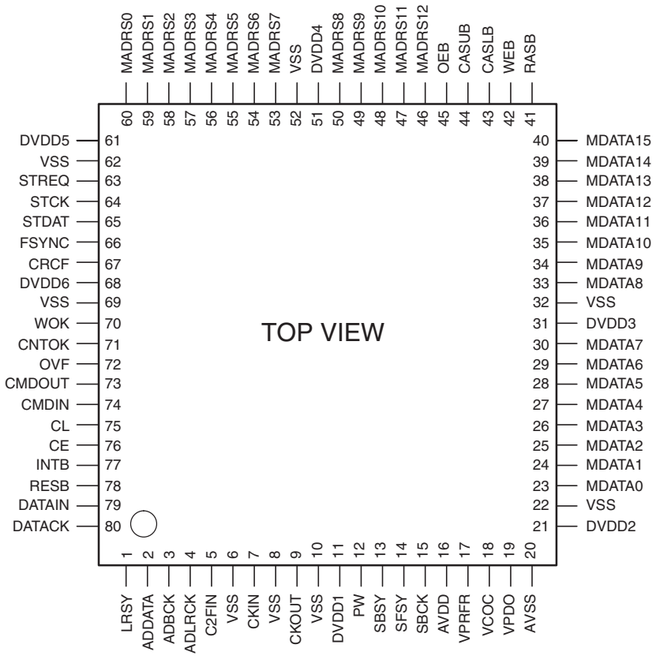
LC877296B
(IC101)



M877296B Terminal Function

Pin No.	Pin Name	Symbol	I/O	Function
1	P11/SI0/SB0	645DO	I	LC78645, LC78683 serial
2	P12/SCK0	645CK	O	LC78645, LC78683 serial
3	P13/SO1	SDI	O	Other PLL, RDS, VR, DISP serial, LC2720, LC72131
4	P14/SI1/SB1	SDO	I	Other PLL, RDS, VR, DISP serial, LC2720, LC72131
5	P15/SCK1	SCK	O	Other PLL, RDS, VR, DISP serial, LC2720, LC72131
6	P16/T1PWML	645CE	O	LC78645CE
7	P17/T1PWMH/BUZ	683CE	O	LC78683CE
8	$\overline{RES}$	—		
9	XT1/AN10	Clock 32.768kHz	—	
10	XT2/AN11		—	
11	VSS1			
12	CF1	Main Clock 10MHz	—	
13	CF2		—	
14	VDD1	Back up	—	HOLD mode use
15	P80/AN0	AD0		Operation button input
16	P81/AN1	AD1		Operation button input
17	P82/AN2	AD2		PWB check mode control
18	P83/AN3	AD3		PWB check mode control
19	P84/AN4	ROM CLK	I	FLASH Write
20	P85/AN5	TUNER1	I	Tuner type E20, E31, J1, E10
21	P86/AN6	TUNER2	I	Tuner type E20, E31, J0, E11
22	P87/AN7/MICIN	OP/CL	I	Sensor OP/CL input (A/D input)
23	P70/INT0/T0LCP/AN8	FSYNC	I	LC78683
24	P71/INT1/T0HCP/AN9	INTB	I	LC78683
25	P72/INT2/T0IN	P.DOWN	I	Power-down detect→HOLD mode
26	P73/INT3/T0IN	REMOCON	I	Remote control input
27	S0/PA0			
28	S1/PA1			
29	S2/PA2			
30	S3/PA3			
31	S4/PA4			
32	S5/PA5	DISC LED	O	DISC LED ON output, Hi: ON
33	S6/PA6	DISC DOWN	O	Drive V switching at DISC DOWN, Hi: ON
34	S7/PA7	DSP OSC OFF	O	XTI OFF other than CD FUNCTION
35	S8/PB0	DRF	I	LC78645
36	S9/PB1	WRQ	I	LC78645
37	S10/PB2	EMPH	O	LC78645
38	S11/PB3	645RST	O	LC78645
39	S12/PB4	OVF	I	LC7868
40	S13/PB5	CNTOK	I	LC7868
41	S14/PB6	WOK	O	LC7868
42	S15/PB7	683RST	O	LC7868
43	S16/PC0	IN SW	I	HOLDER part SW input
44	S17/PC1	CLMP SW	I	HOLDER part SW input
45	S18/PC2	OUT SW	I	HOLDER part SW input
46	S19/PC3	DOOR CL SW	I	DOOR part SW input
47	S20/PC4	DOOR OP SW	I	DOOR part SW input
48	S21/PC5	LIMIT SW	I	PU in-circle SW
49	S22/PC6	DISC	I	DISC insert detect input, L: Detect
50	S23/PC7	12cm	I	12cm DISC detect input, H: Detect
51	VDD2			
52	VSS2			
53	S24/PD0	R.IN	O	LIFT Motor drive
54	S25/PD1	F.IN	O	LIFT Motor drive
55	S26/PD2	M.MUTE	O	LA6559 MUTE
56	S27/PD3	FWD	O	LA6559 FWD (DOOR Motor)
57	S28/PD4	REV	O	LA6559 REV (DOOR Motor)
58	S29/PD5	LED RED	O	Power LED RED
59	S30/PD6	LED GRN	O	Power LED GRN
60	S31/PD7			
61	S32/PE0			
62	S33/PE1			
63	S34/PE2			
64	S35/PE3			
65	S36/PE4			
66	S37/PE5			
67	S38/PE6			
68	S39/PE7			
69	S40/PF0			
70	S41/PF1			
71	S42/PF2			
72	S43/PF3			
73	S44/PF4			
74	S45/PF5	396CE	O	LC75396NE CE
75	S46/PF6	396DI	O	LC75396NE DI
76	S47/PF7	396CL	O	LC75396NE CL
77	V3/PL6			
78	V2/PL5			
79	V1/PL4			
80	COM0/PL0			
81	COM1/PL1			
82	COM2/PL2			
83	COM3/PL3			
84	P30	ROM DATA0	I/O	FLASH Write
85	P31	ROM DATA1	I/O	FLASH Write
86	VSS3			
87	VDD3			
88	P32	DISP RESET		Display Driver reset
89	P33	PROTECTION	I	Power Amp Protection act., L: Detect
90	P34	TUNED	I	LA1837 Tuned
91	P35	STEREO	I	LA1837 Stereo
92	P00	SP.RELAY	O	Speaker Relay, Lo: Mute
93	P01	PRE.MUTE	O	PRE AMP Mute
94	P02	TU.MUTE	O	LA1837 Mute
95	P03	DISP.CS	O	DISPLAY Driver CS
96	P04	AUX MUTE	O	Mute at AUX Function, Hi: Mute
97	P05			
98	P06			
99	P07	720CE	O	LC72720, LC72131 CE
100	S10/SO0	645DI	O	LC78645, LC78683 serial

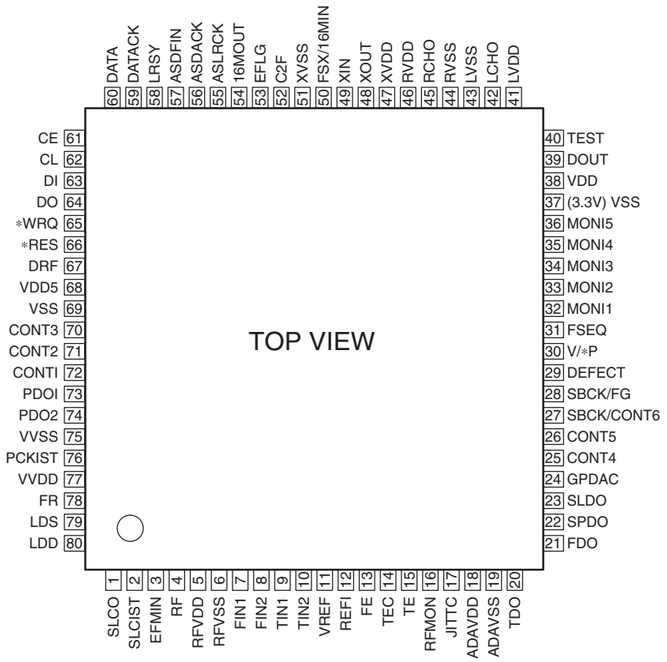
LC78683E (IC203)



LC78683E Terminal Function

Pin No.	Symbol	I/O	Function
1	LRSY	I	CD L/R clock input
2	ADDATA	O	Audio data output
3	ADBCK	O	Audio bit clock output
4	ADLRCK	O	Audio L/R clock output
5	C2FIN	I	CD C2 flag input
6	VSS	—	GND
7	CKIN	I	System clock (16.9344MHz) input
8	VSS	—	GND
9	CKOUT	O	Clock (384Fs) output
10	VSS	—	GND
11	DVDD1	—	I/O power (3.3V)
12	PW	I	Sub-code data serial input
13	SBSY	I	Sub-code block sync sig. input
14	SFSY	I	Sub-code frame sync sig. input
15	SBCK	O	Sub-code serial clock output
16	AVDD	—	Analog (PLL) power (3.3V)
17	VPRFR	—	VCO osc. range setting pin
18	VCOC	—	VCO control V input
19	VPDO	—	VCO charge pump output
20	AVSS	—	Analog (GND)
21	DVDD2	—	Internal power (1.7V)
22	VSS	—	GND
23	MDATA0	I/O	DRAM data bus
24	MDATA1	I/O	DRAM data bus
25	MDATA2	I/O	DRAM data bus
26	MDATA3	I/O	DRAM data bus
27	MDATA4	I/O	DRAM data bus
28	MDATA5	I/O	DRAM data bus
29	MDATA6	I/O	DRAM data bus
30	MDATA7	I/O	DRAM data bus
31	DVDD3	—	DRAM I/F power (3.3V)
32	VSS	—	GND
33	MDATA8	I/O	DRAM data bus
34	MDATA9	I/O	DRAM data bus
35	MDATA10	I/O	DRAM data bus
36	MDATA11	I/O	DRAM data bus
37	MDATA12	I/O	DRAM data bus
38	MDATA13	I/O	DRAM data bus
39	MDATA14	I/O	DRAM data bus
40	MDATA15	I/O	DRAM data bus
41	RASB	O	DRAM RAS output
42	WEB	O	DRAM WE output
43	CASLB	O	DRAM CAS output (Lower Byte)
44	CASUB	O	DRAM CAS output (Upper Byte)
45	OEB	O	DRAM OE output
46	MADRS12	O	DRAM Address output
47	MADRS11	O	DRAM Address output
48	MADRS10	O	DRAM Address output
49	MADRS9	O	DRAM Address output
50	MADRS8	O	DRAM Address output
51	DVDD4	—	DRAM I/F power (3.3V)
52	VSS	—	GND
53	MADRS7	O	DRAM Address output
54	MADRS6	O	DRAM Address output
55	MADRS5	O	DRAM Address output
56	MADRS4	O	DRAM Address output
57	MADRS3	O	DRAM Address output
58	MADRS2	O	DRAM Address output
59	MADRS1	O	DRAM Address output
60	MADRS0	O	DRAM Address output
61	DVDD5	—	Internal power (1.7V)
62	VSS	—	GND
63	STREQ	I/O	MP3 data request flag in/output
64	STCK	I/O	MP3 data transfer clock in/output
65	STDAT	I/O	MP3 data serial in/output
66	FSYNC	O	MP3 frame sync sig.
67	CRCF	O	CRC flag out / MP3 data out enable flag
68	DVDD6	—	µcom I/F power (3.3V)
69	VSS	—	GND
70	WOK	I	DRAM write act. flag / MP3 data req. flag input
71	CNTOK	O	Data link chk-end flag / MP3 data serial output
72	OVF	O	DRAM write off flag / MP3 data trans. clock output
73	CMDOUT	O	Command serial data output
74	CMDIN	I	Command serial data input
75	CL	I	Command serial clock input
76	CE	I	Command enable input
77	INTB	O	Interrupt sig. output
78	RESB	I	System reset
79	DATAIN	I	CD serial data input
80	DATACK	I	CD bit clock input

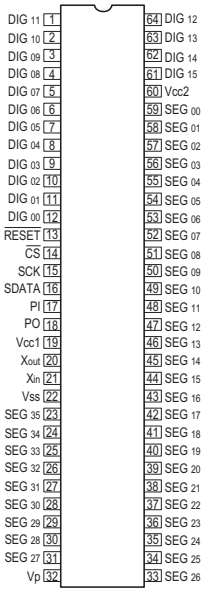
LC78645E (IC204)

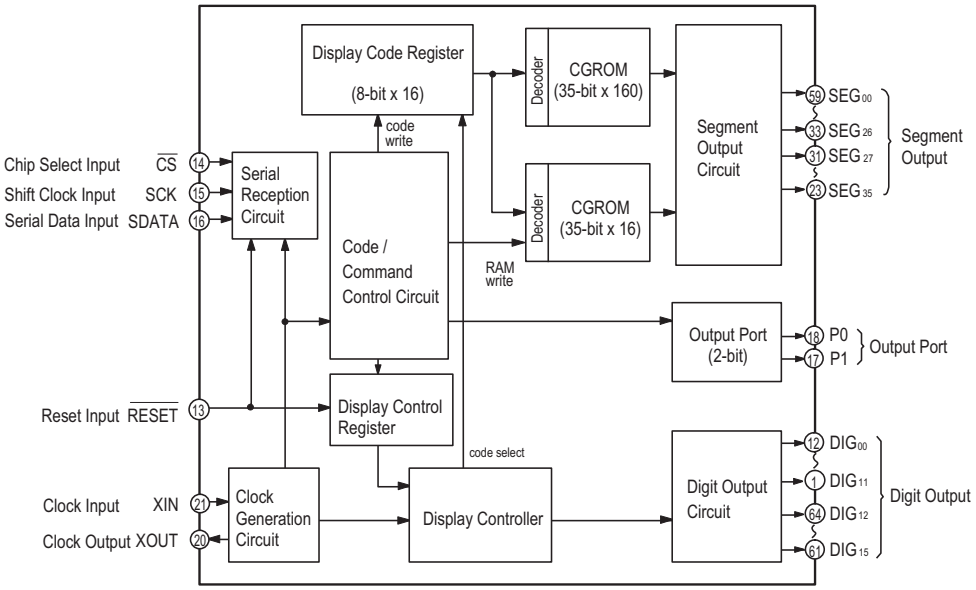


LC78645E Terminal Function

Pin No.	Symbol	I/O	Function	
1	SLCO	O	For slice level control	Control output
2	SLCIST	AI		R con. pin for current setting of SLCO
3	EFMIN	I		RF sig. input pin
4	RF	AO	RF sig. monitor pin	
5	RFVDD	—	Power pin for RF	
6	RFVSS	—	GND pin for RF, connect to 0V	
7	FIN1	AI	A+C sig. input pin	
8	FIN2	AI	B+D sig. input pin	
9	TIN1	AI	E sig. input pin	
10	TIN2	AI	F sig. input pin	
11	VREF	AO	Vref volt output pin	
12	REFI	AI	Vref volt setting pin	
13	FE	AO	FE sig. monitor pin	
14	TEC	AO	LPF cap. for TE sig. connect pin	
15	TE	AO	TE sig. monitor pin	
16	REMON	AO	RF internal sig. monitor pin	
17	JITTC	A	Cap. connect pin for jitter detect	
18	ADAVDD	—	Power pin for servo A/D & D/A	
19	ADAVSS	—	GND pin for servo A/D & D/A, connect to 0V	
20	TDO	AO	Output pin for tracking control, D/A output	
21	FDO	AO	Output pin for focus control, D/A output	
22	SPDO	AO	Output pin for spindle control, D/A output	
23	SLDO	AO	Output pin for sled control, D/A output	
24	GPDAC	AO	Servo D/A general output pin	
25	CONT4	I/O	General output pin 4	Control from µcom command, connect to 0V or open when not in use
26	CONT5	I/O	General output pin 5	
27	SBCK/CONT6	I/O	General output pin 6 or sub-code read out clock input pin	
28	SBCK/FG	I	Sub-code read out clock input pin / FG sig. input pin / External emphasis set pin Function decided by command, connect to 0V when not in use	
29	DEFECT	O	Defect pin	
30	V/*P	O	Auto switching monitor output pin of rough/phase servo control, H: Rough, L: Phase	
31	FSEQ	O	Sync sig. detect output pin, H: When sync sig. of detected EFM and external are equal	
32	MONI1	O	Internal sig. monitor pin 1	
33	MONI2	O	Internal sig. monitor pin 2	
34	MONI3	O	Internal sig. monitor pin 3	
35	MONI4	O	Internal sig. monitor pin 4	
36	MONI5	O	Internal sig. monitor pin 5	
37	VSS	—	Digital block GND pin, connect to 0V	
38	VDD	—	Digital block power pin	
39	DOUT	O	Digital OUT pin (EIAJ format)	
40	TEST	I	Input pin for test, connect to 0V	
41	LVDD	—	Lch D/A converter	Power pin for Lch
42	LCHO	AO		Output pin for Lch
43	LVSS	—		GND pin for Lch, connect to 0V
44	RVSS	—	Rch D/A converter	GND pin for Rch, connect to 0V
45	RCHO	AO		Output pin for Rch
46	RVDD	—		Power pin for Rch
47	XVDD	—	For x'tal osc.	Power pin for x'tal osc.
48	XOUT	O		33.8688MHz x'tal resonater connect pin
49	XIN	I		
50	FSX/16MIN	I/O	7.35kHz sync sig. output pin or external clock input pin for DF, DAC	
51	XVSS	—	GND pin for x'tal osc., connect to 0V	
52	C2F	O	C2 flag output pin	
53	EFLG	O	Correction monitor pin of C1, C2	
54	16MOUT	O	16.9344MHz output pin	
55	ASLRCK	I	For anti-shock mode	L/R clock input pin (connect to 0V when not in use)
56	ASDACK	I		Bit clock input pin (connect to 0V when not in use)
57	ASDFIN	I		L/Rch data input pin (connect to 0V when not in use)
58	LRSY	O	For digital data output	L/R clock output pin
59	DATACK	O		Bit clock output pin
60	DATA	O		L/Rch data output pin
61	CE	I	For µcom I/F	Chip enable sig. input pin
62	CL	I		Data transfer clock input pin
63	DI	I		Data input pin
64	DO	O		Data output pin (Nch open drain output)
65	*WRQ	O		Interrupt sig. output pin
66	*RES	I	Reset input pin, set to "L" once when power ON	
67	DRF	O	Focus ON detect pin	
68	VDD5	—	Power pin for µcom I/F	
69	VSS	—	Digital block GND pin, connect to 0V	
70	CONT3	I/O	General output pin 3	
71	CONT2	I/O	General output pin 2	
72	CONT1	I/O	General output pin 1	
73	PDO1	O	For PLL	Phase compare out pin 1 for built-in VCO control
74	PDO2	O		Phase compare out pin 2 for built-in VCO control
75	VVSS	—		GND pin for built-in VCO control
76	PCKIST	AI		R con. pin for PDO1, 2 output current setting
77	VVDD	—		Power pin for built-in VCO control
78	FR	AI		R con. pin for built-in VCO frequency range setting
79	LDS	AI	Laser power detect sig. input pin	
80	LDD	AO	Laser power control sig. output pin	

M66004FP (IC701)





M66004FP Terminal Function

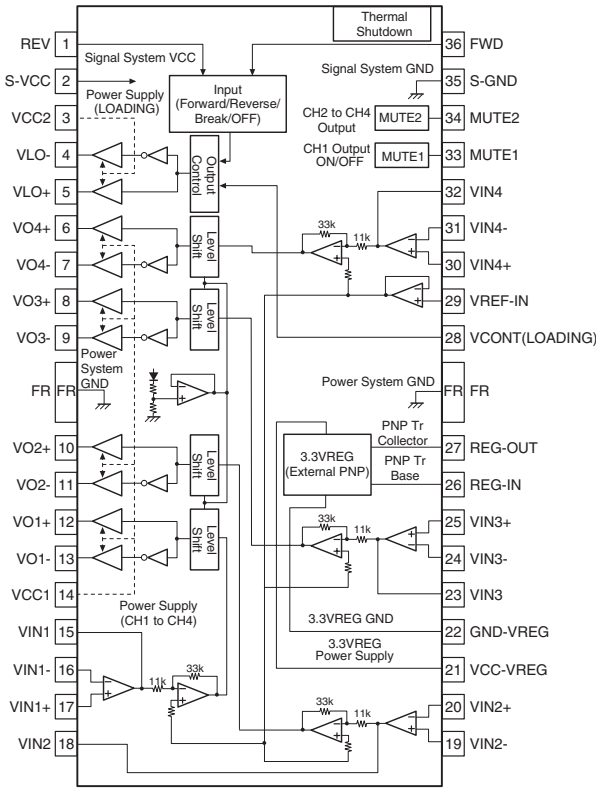
Symbol	Name	Function
$\overline{\text{RESET}}$	Reset Input	Initialzes internal state of M66004.
$\overline{\text{CS}}$	Chip Select Input	Able to communicate with MCU in "L" mode. Command from MCU will be disregareded in "H" mode.
SCK	Shift Clock Input	Shifts input data at rise from "L" to "H".
SDATA	Serial Data Input	Inputs character code or command data needed to display from MSB.
XIN	Clock Input	Sets oscillation frquency by connecting external resistor and capacitor (maximum oscillation frequency fosc (max)=1MHz). Also feasible to apply external clock. In this case, inject external clock to Xin terminal and open Xout terminal.
XOUT	Clock Output	
DIG 00~ DIG 15	Digit Output	Connect to digit terminal of VFD. DIG00~DIG15 correspond to the 1st figure to 16th figure respectively.
SEG 00~ SEG 35	Segment Output	Connect to segment terminal of VFD. For corresponding SEG00~SEG35 to segment terminal of VFD, refer to the figure right.
P0, P1		Output port (static operation).
VCC1		Positive power supply terminal for internal logic.
VCC2		Positive power supply terminal for high tension output port.
Vss		GND terminal.
Vp		Negative power supply terminal for VFD drive.

(Forwarding connection of segment output terminal.)

☐ in the right figure indicates 1 dot of segment, the figure in ☐ shows the segment output terminal number (00~35) to be connected.

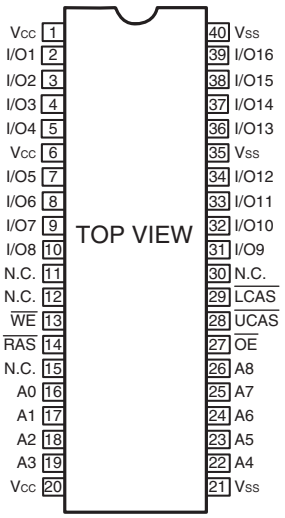
00	01	02	03	04
05	06	07	08	09
10	11	12	13	14
15	16	17	18	19
20	21	22	23	24
25	26	27	28	29
30	31	32	33	34
				35

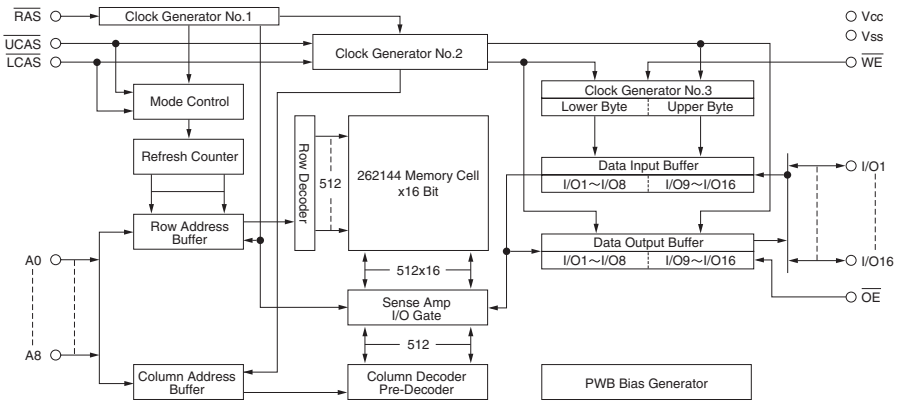
LA6559 (IC201)



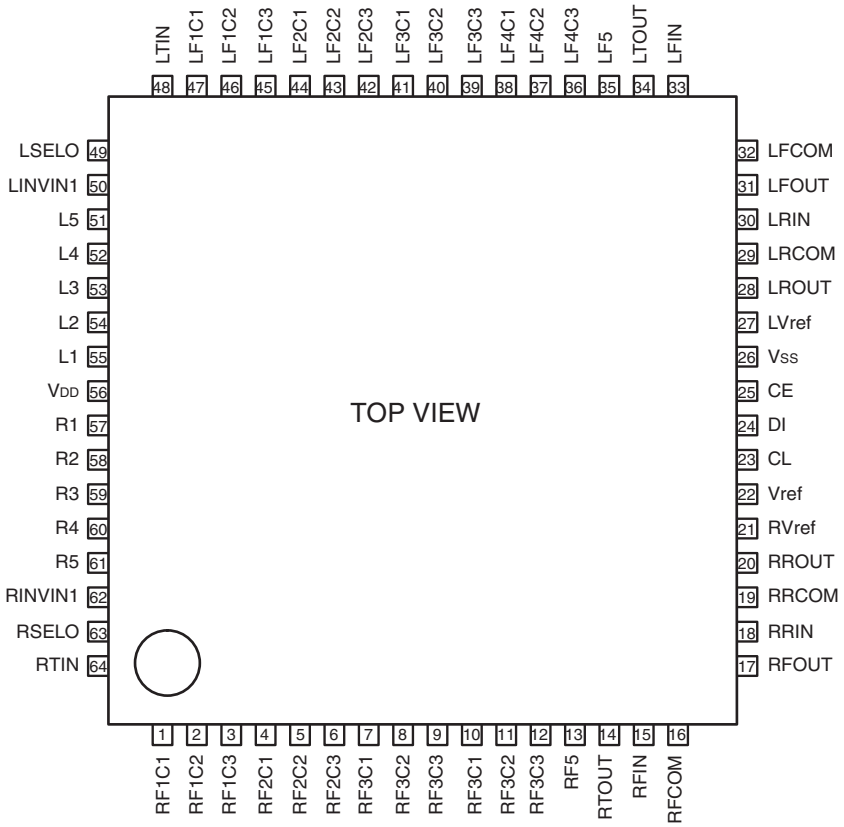
Pin No.	Name	Function
1	REV	5CH output change terminal, logic input of loading block
2	S-Vcc	signal system power supply (BTL-AMP:CH1~4)
3	Vcc2	Power supply for loading block
4	VL0–	Loading output (–)
5	VL0+	Loading output (+)
6	VO4+	Output terminal (+) for channel 4
7	VO4–	Output terminal (–) for channel 4
8	VO3+	Output terminal (+) for channel 3
9	VO3–	Output terminal (–) for channel 3
10	VO2+	Output terminal (+) for channel 2
11	VO2–	Output terminal (–) for channel 2
12	VO1+	Output terminal (+) for channel 1
13	VO1–	Output terminal (–) for channel 1
14	Vcc1	CH1〜CH4(BTL-AMP) output stage power supply
15	VIN1	Input terminal for channel 1
16	VIN1–	OP-AMP input AMP-A input terminal (–)
17	VIN1+	OP-AMP input AMP-A input terminal (+)
18	VIN2	Input terminal for channel 2, input AMP output
19	VIN2–	Input terminal (–) for channel 2
20	VIN2+	Input terminal (+) for channel 2
21	Vcc-VREG	3.3VREG power supply
22	GND-VREG	3.3VREG GND
23	VIN3	Input terminal for channel 3, input AMP output
24	VIN3–	Input terminal (–) for channel 3
25	VIN3+	Input terminal (+) for channel 3
26	REG-IN	PNP transistor base connected
27	REG-OUT	3.3V power output to which the PNP transistor collector connected
28	VCONT	Loading output voltage set terminal
29	VREF-IN	Reference voltage applied terminal
30	VIN4+	Input terminal (+) for channel 4
31	VIN4-	Input terminal (–) for channel 4
32	VIN4	Input terminal for channel 4, input AMP output
33	MUTE1	Output ON/OFF for channel 1 (BTL AMP)
34	MUTE2	Output ON/OFF for channel 2 to 4 (BTL AMP)
35	S-GND	Signal system GND
36	FWD	Output change terminal (FWD) for loading output (VLO+–), logic input of loading block

LC32V4265T-25 (IC208)

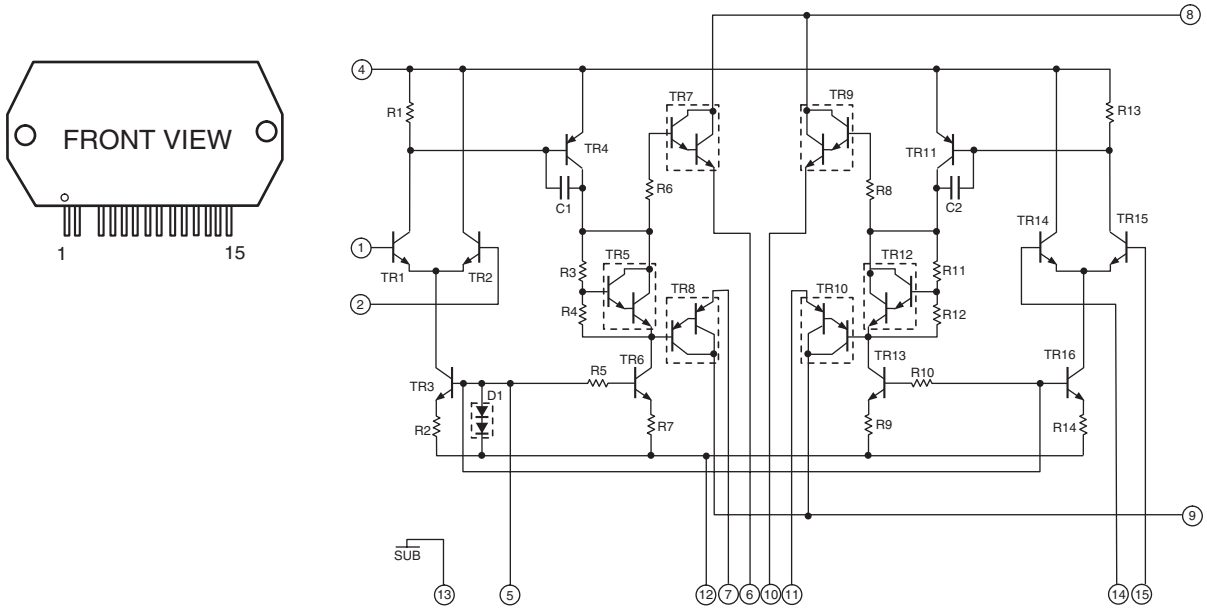




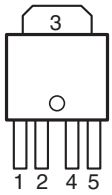
LC75396NE (IC305)



STK402-050 (SW: IC500, 700)

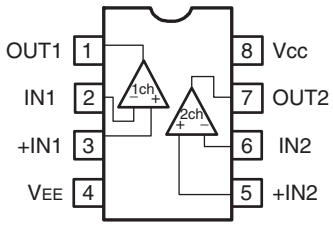


BA033S (IC207)

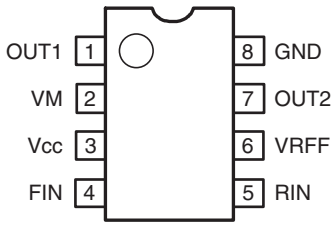


1.CTL
2.Vcc
3.GND
4.OUT
5.N. C.

BA15218F (IC301, 303, 401)
(SW: IC101, 102, 105, 106, 401)



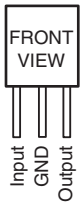
BA6417F (IC202)



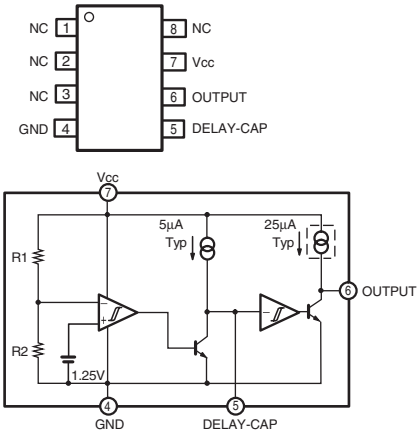
MN13821C (IC102)

NJM7806FA(S) (IC501)
(SW: IC202, 203)

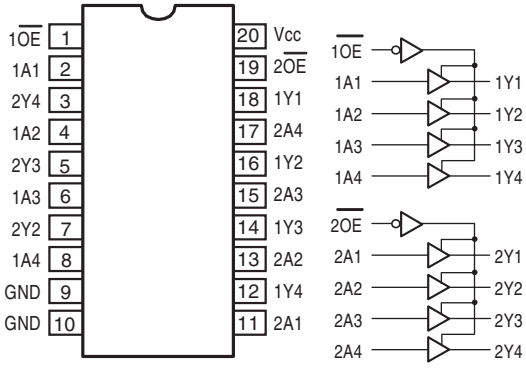
NJM7812FA(S) (SW: IC201)



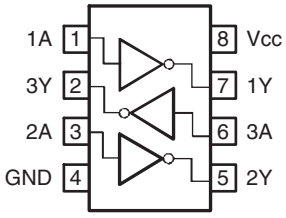
M51953AFP (IC103)



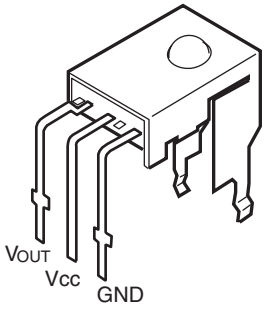
SN74LVC244APW (IC205)

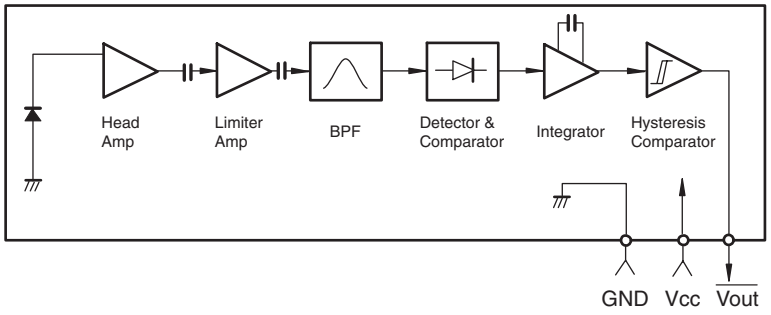


TC7WU04F (IC206)



GP1U271X (Remote Control Sensor)





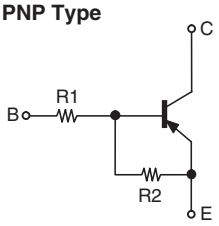
● TRANSISTORS

DTA114TK
DTC114EK
DTC323TK

1: GND/Emitter
2: Out/Collector
3: In/Base

DTA114TK

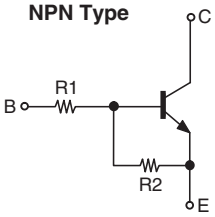
PNP Type



	R1	R2
DTA114TK	10kohm	10kohm

DTC114EK
DTC323TK

NPN Type



	R1	R2
DTC114EK	10kohm	10kohm
DTC323TK	2.2kohm	2.2kohm

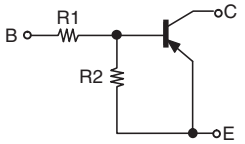
2SC3326 (A/B)

1: Emitter
2: Collector
3: Base

DTA124XKA

1: E/GND
2: B/INPUT
3: C/OUTPUT

DTA124XKA



	R1	R2
DTA124XKA	22kohm	47kohm

2SA1037K
2SC2412K

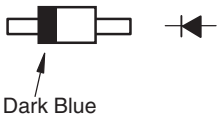
1: E/GND
2: C/OUTPUT
3: B/INPUT

2SB1185

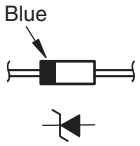
2SD1858

● DIODES (LED Included)

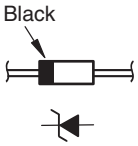
1SS270A



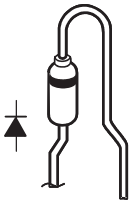
MTZJ3.9A
MTZJ5.1A
MTZ15A



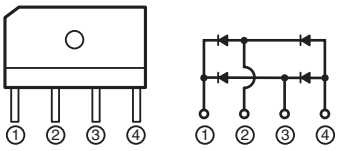
MTZ30A



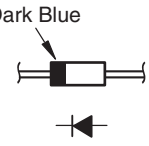
1SR35-400A



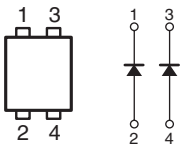
D5SBA20



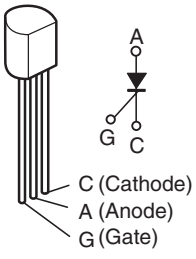
RB721Q-40



SML-020MVT

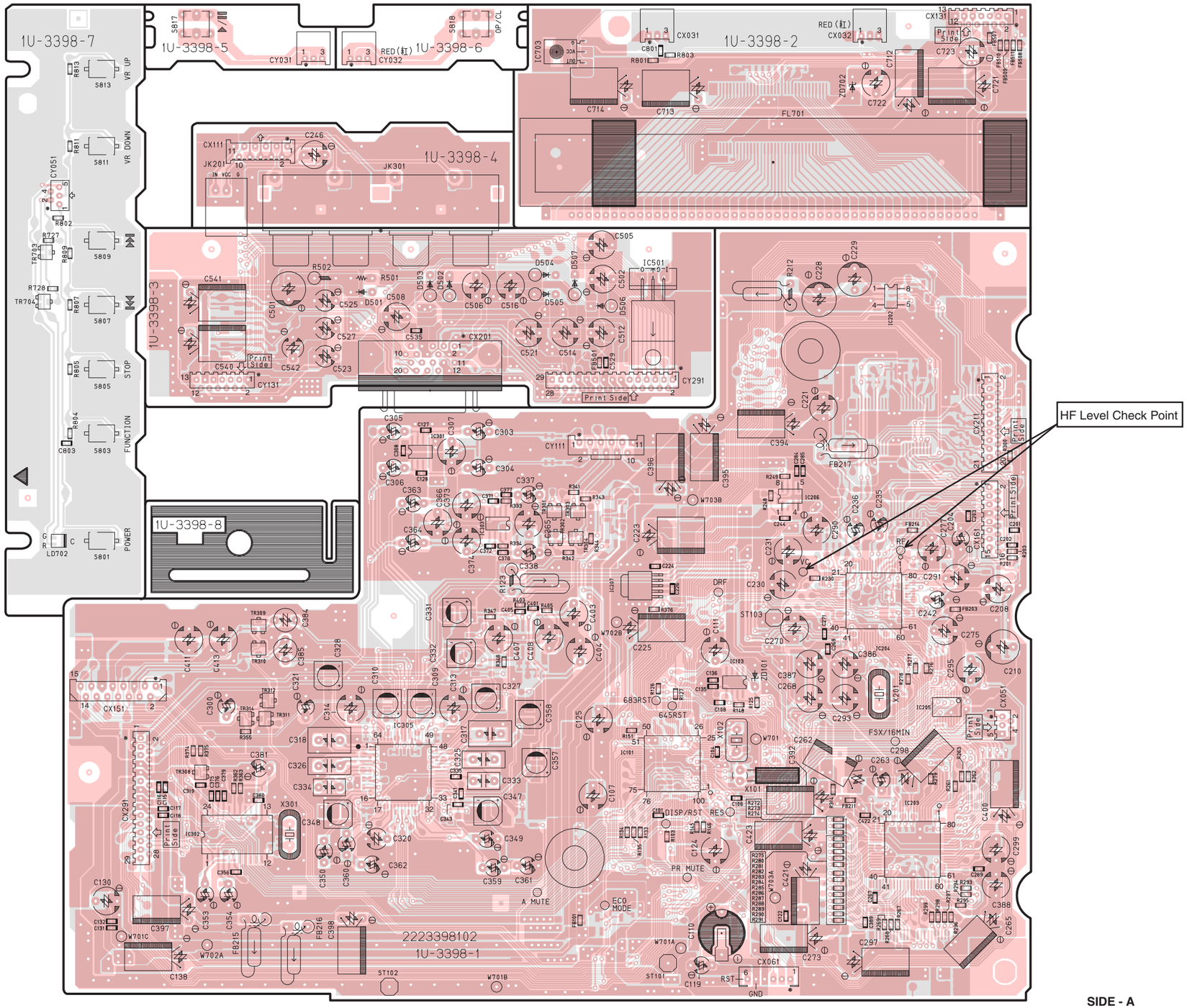


SF0R1A42 (Thyristor)



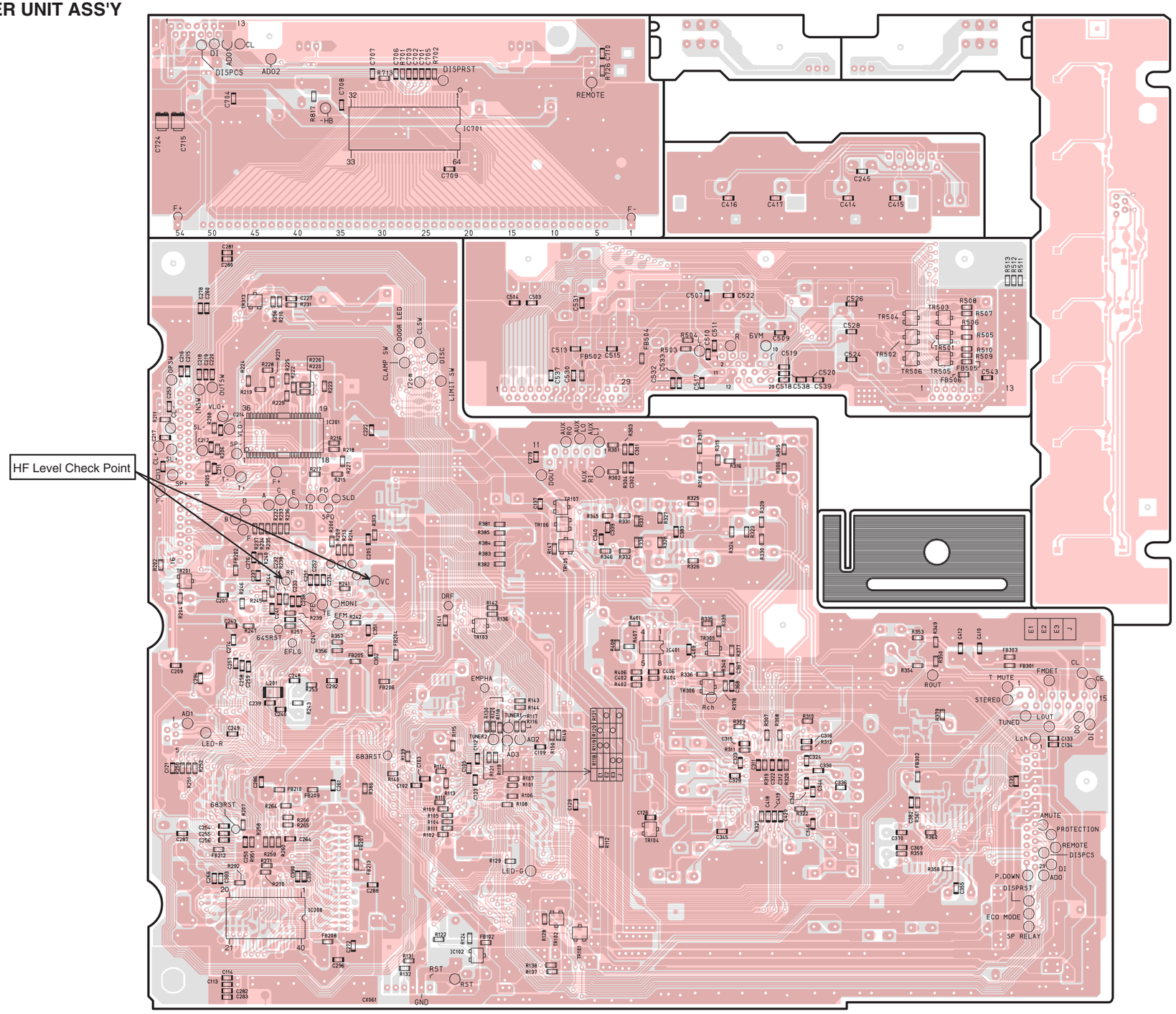
PRINTED WIRING BOARDS

1U-3398 CD-TUNER UNIT ASS'Y



SIDE - A

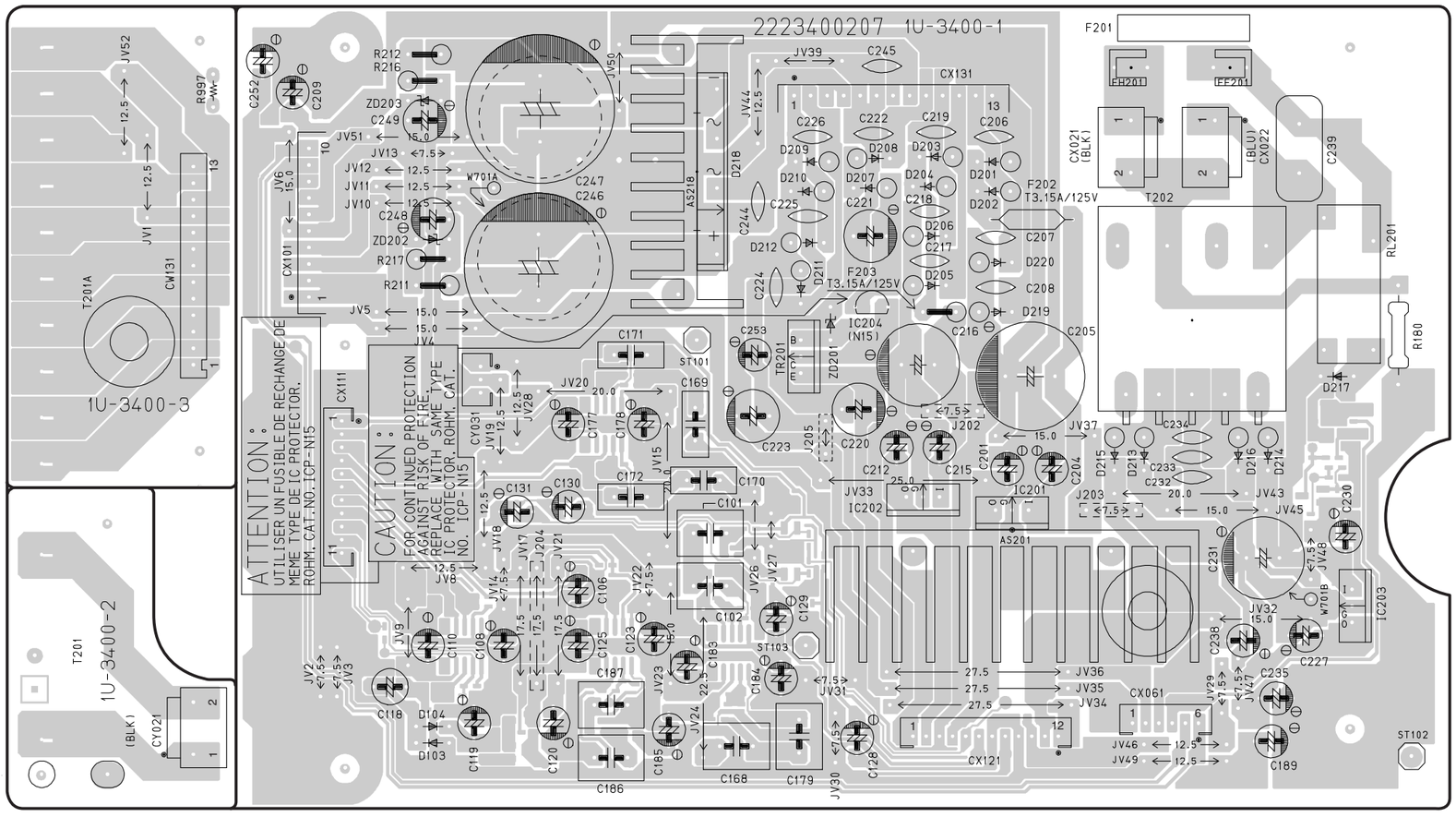
1U-3398 CD-TUNER UNIT ASS'Y



1 2 3 4 5 6 7 8

A B C D E

1U-3400 POWER SUPPLY UNIT ASS'Y



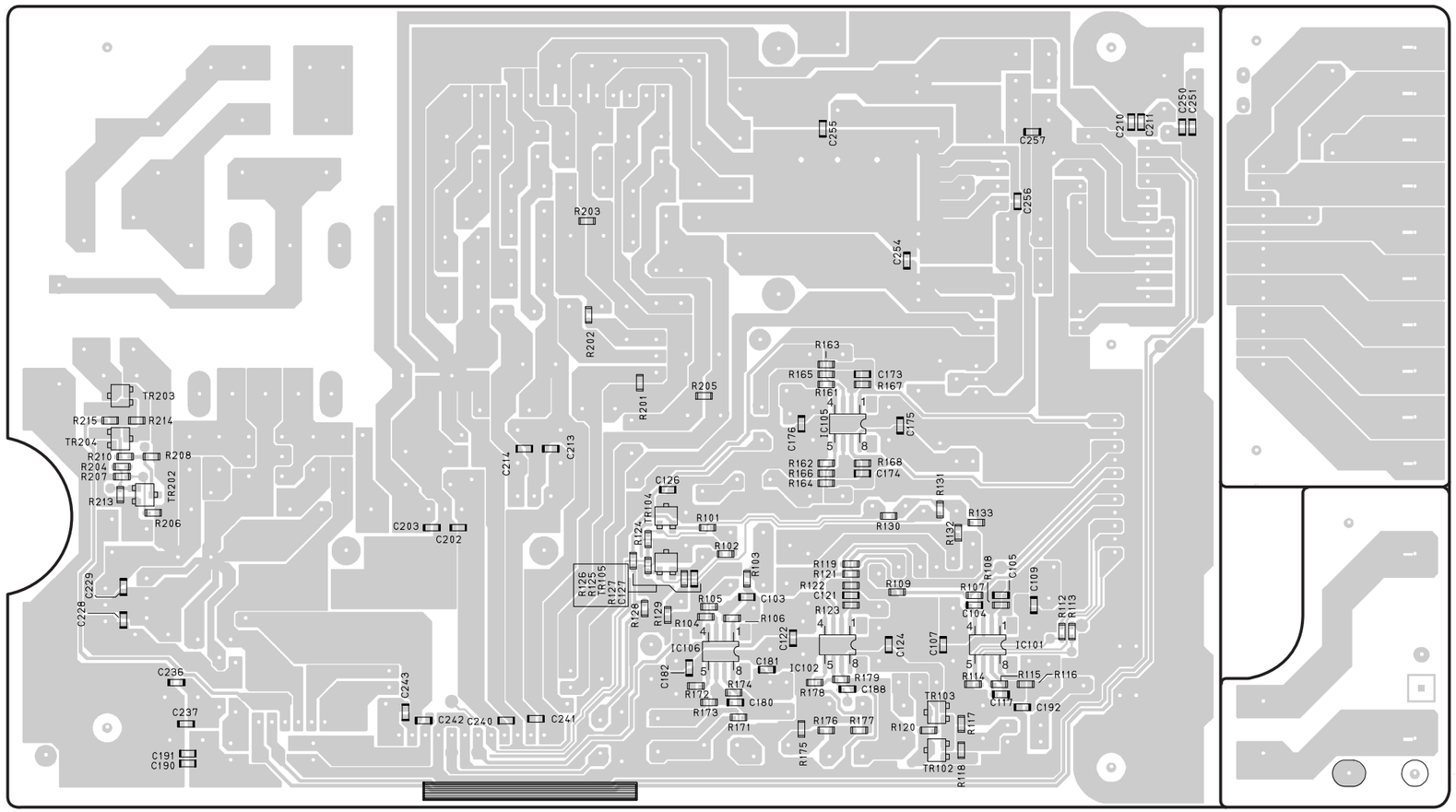
CUATION : C231, 205, 216, 246, 221, 220, 223, 247, 248, 249, RL201, AS201, AS218, and Heat Sink must be fixed with hot-melt or bond.

COMPONENT SIDE

1 2 3 4 5 6 7 8

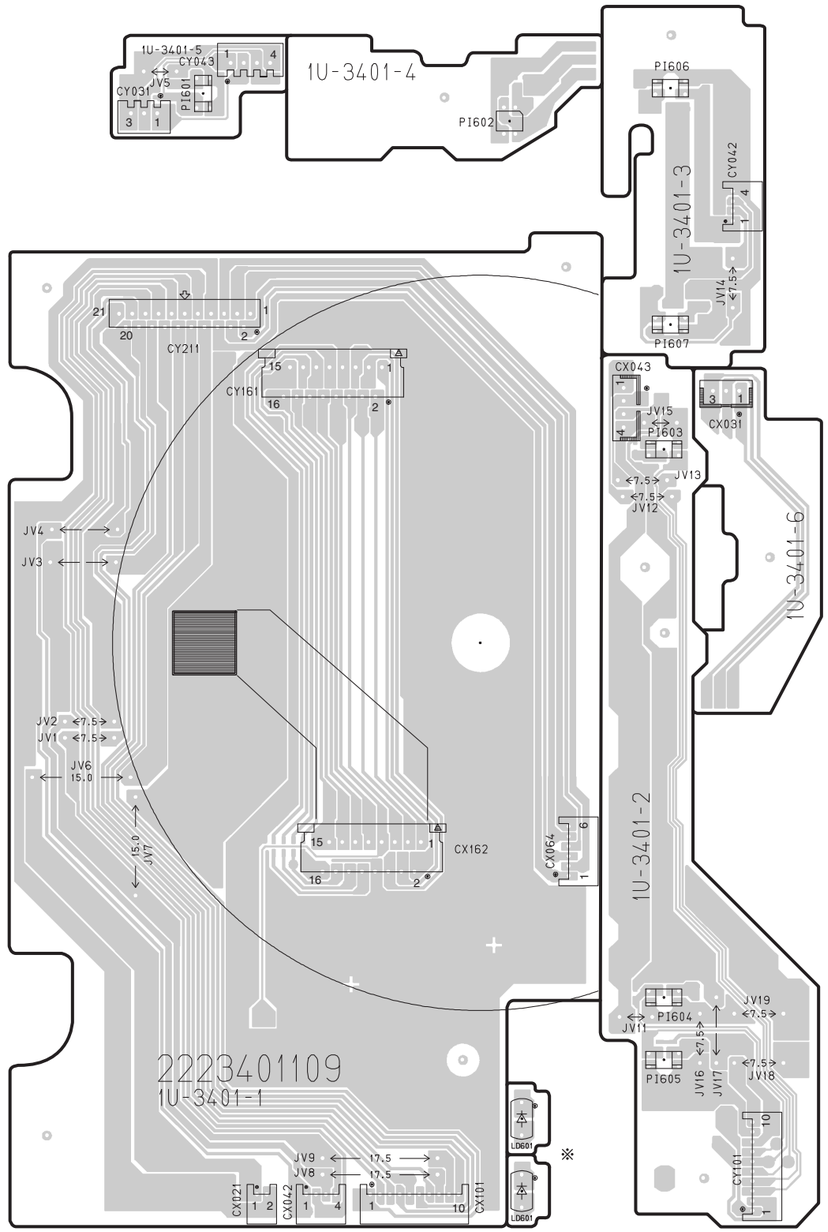
A B C D E

1U-3400 POWER SUPPLY UNIT ASS'Y

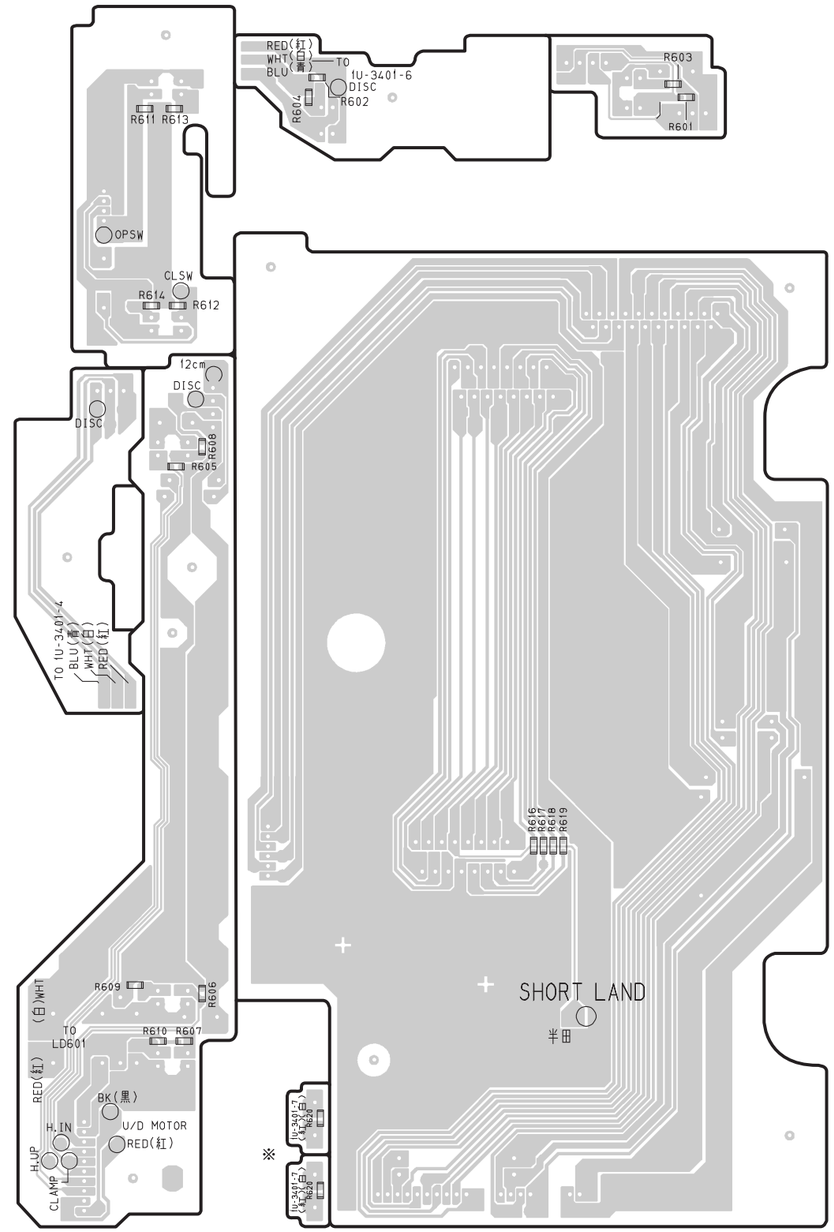


FOIL SIDE

1U-3401 CD MECHA P.W.B. UNIT ASS'Y



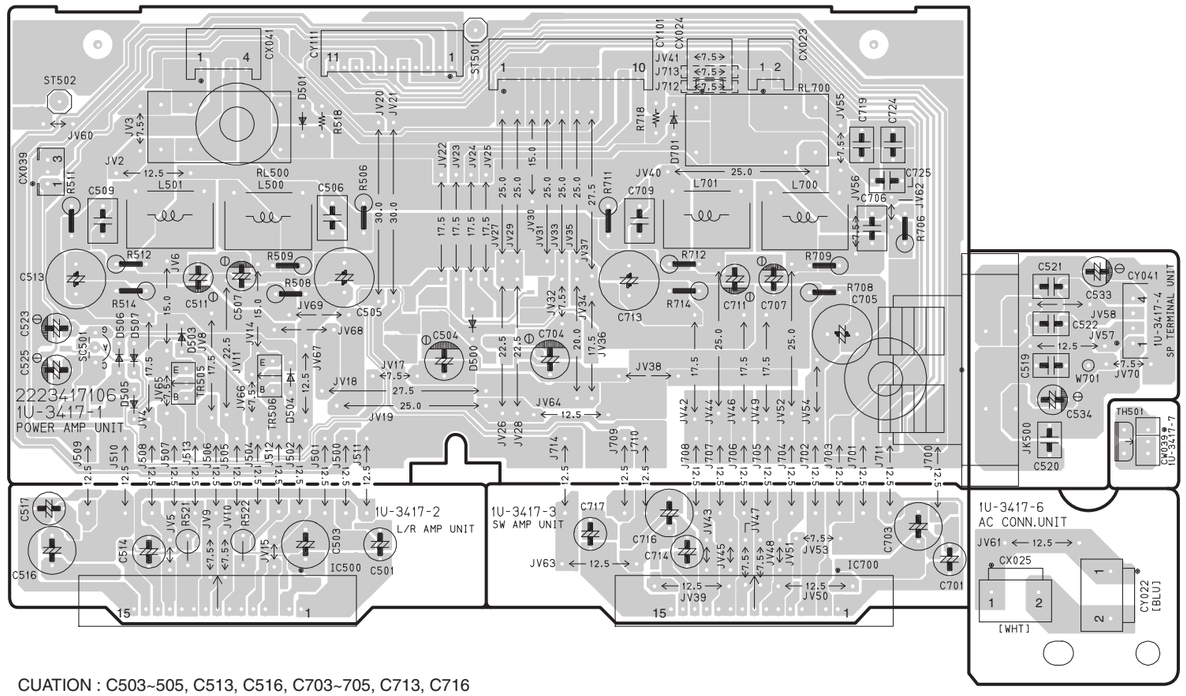
COMPONENT SIDE



※ Two pieces of 1U-3401-7 LED Unit are arranged on the P.W.B., one for actual use and the other for spare.

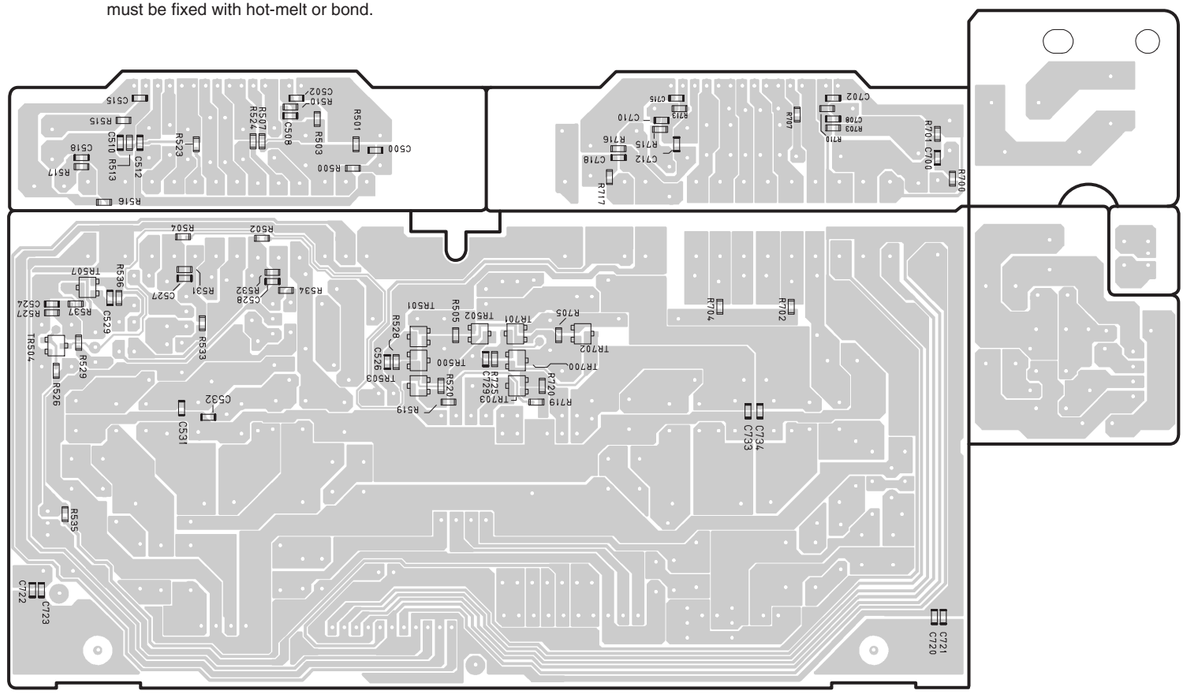
FOIL SIDE

1U-3417 POWER AMP UNIT ASS'Y



CUATION : C503~505, C513, C516, C703~705, C713, C716
L500, 501, L700, 701, RL500, and RL700,
must be fixed with hot-melt or bond.

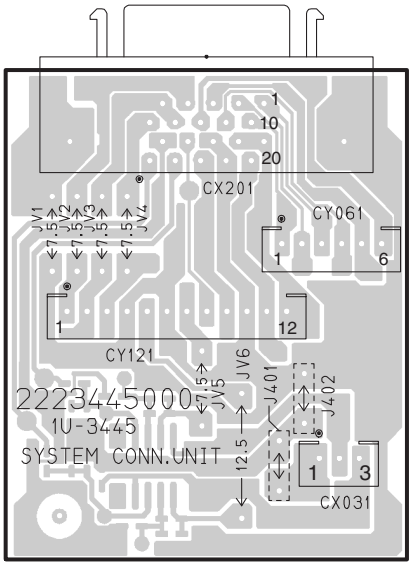
COMPONENT SIDE



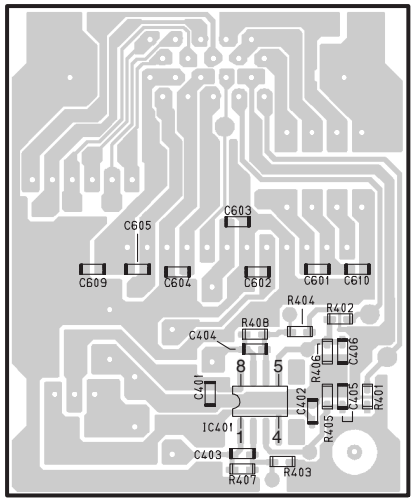
FOIL SIDE

1 2 3 4

1U-3445 I/F UNIT ASS'Y



COMPONENT SIDE



FOIL SIDE

A B C D E

NOTE FOR PARTS LIST

- Part indicated with the mark "⦿" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

WARNING:

Parts marked with this symbol ⚠ [ ] have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

I Resistors

Ex.: RN (Type) 14K (Shape and performance) 2E (Power) 182 (Resistance) G (Allowable error) FR (Others)

RD : Carbon	2B : 1/8W	F : ±1%	P : Pulse-resistant type
RC : Composition	2E : 1/4W	G : ±2%	NL : Low noise type
RS : Metal oxide film	2H : 1/2W	J : ±5%	NB : Non-burning type
RW : Winding	3A : 1W	K : ±10%	FR : Fuse-resistor
RN : Metal film	3D : 2W	M : ±20%	F : Lead wire forming
RK : Metal mixture	3F : 3W		
	3H : 5W		

✻ **Resistance**

1 8 2 ⇒ 1800 ohm = 1.8 kohm
- 2: Indicates number of zeros after effective number.
- 1 8: 2-digit effective number.

• Units: ohm

1 R 2 ⇒ 1.2 ohm
- 2: 1-digit effective number.
- 1 R: 2-digit effective number, decimal point indicated by R.

• Units: ohm

I Capacitors

Ex.: CE (Type) 04W (Shape and performance) 1H (Dielectric strength) 2R2 (Capacity) M (Allowable error) BP (Others)

CE : Aluminum foil electrolytic	0J : 6.3V	F : ±1%	HS : High stability type
CA : Aluminum solid electrolytic	1A : 10V	G : ±2%	BP : Non-polar type
CS : Tantalum electrolytic	1C : 16V	J : ±5%	HR : Ripple-resistant type
CQ : Film	1E : 25V	K : ±10%	DL : For change and discharge
CK : Ceramic	1V : 35V	M : ±20%	HF : For assuring high requency
CC : Ceramic	1H : 50V	Z : +80% –20%	U : UL part
CP : Oil	2A : 100V	P : +100% –0%	C : CSA part
CM : Mica	2B : 125V	C : ±0.25pF	W : UL-CSA type
CF : Metallized	2C : 160V	D : ±0.5pF	F : Lead wire forming
CH : Metallized	2D : 200V	= : Others	
	2E : 250V		
	2H : 500V		
	2J : 630V		

✻ **Capacity (electrolyte only)**

2 2 2 ⇒ 2200μF
- 2: Indicates number of zeros after effective number.
- 2 2: 2-digit effective number.

• Units: μF.

2 R 2 ⇒ 2.2μF
- 2: 1-digit effective number.
- 2 R: 2-digit effective number, decimal point indicated by R.

• Units: μF.

✻ **Capacity (except electrolyte)**

2 2 2 ⇒ 2200pF=0.0022μF
- 2: (More than 2) Indicates number of zeros after effective number.
- 2 2: 2-digit effective number.

• Units: pF.

2 2 1 ⇒ 220pF
- 1: (0 or 1) Indicates number of zeros after effective number.
- 2 2: 2-digit effective number.

• Units: pF.

• When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

PARTS LIST OF P.W.B. UNIT ASS'Y

1U-3398 CD-TUNER UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC101	262 3007 006	IC LC877296B-5Z12	
IC102	263 1096 902	IC MN13821C	
IC103	263 0530 906	IC M51953AFP	
IC201	263 1091 907	IC LA6559	
IC202	263 1134 903	IC BA6417F-E2	
IC203	262 3005 008	IC LC78683E	
IC204	262 3004 009	IC LC78645YE	
IC205	262 2446 901	IC SN74LVC244APW-EL1	
IC206	262 1953 903	IC TC7WU04F	
IC207	263 1135 902	IC BA033SFP-E2	
IC208	262 3003 000	IC LC32V4265T-25	
IC301	263 0615 902	IC BA15218F-DXE2	
IC303	263 0615 902	IC BA15218F-DXE2	
IC305	262 3006 007	IC LC75396NE	
IC401	263 0615 902	IC BA15218F-DXE2	
IC501	263 0793 002	IC NJM7806FA(S)	
IC701	262 1954 902	IC M66004FP	
IC703	499 0303 004	IC GP1UM271XK	
TR101	269 0156 906	Transistor DTA124XKA	
TR102	269 0066 902	Transistor DTC323TK	
TR103	269 0082 902	Transistor DTC114EK	
TR104	269 0086 908	Transistor DTA114TK	
TR105	269 0156 906	Transistor DTA124XKA	
TR106	269 0066 902	Transistor DTC323TK	
TR107	269 0086 908	Transistor DTA114TK	
TR201	271 0238 908	Transistor 2SA1037K(S/R)	
TR301~304	273 0414 906	Transistor 2SC3326(A/B)	
TR308	273 0384 900	Transistor 2SC2412K(S)	
TR309,310	269 0066 902	Transistor DTC323TK	
TR311	269 0082 902	Transistor DTC114EK	
TR312	269 0086 908	Transistor DTA114TK	
TR313,314	269 0082 902	Transistor DTC114EK	
TR501~506	269 0082 902	Transistor DTC114EK	
TR703,704	269 0082 902	Transistor DTC114EK	
D501	276 0432 903	Diode 1SS270A	
D502~507	276 0704 903	Diode 1SR35-400A	
ZD101	276 0643 983	Zener diode MTZJ5.1A	
ZD702	276 0643 954	Zener diodeMTZJ3.9A	
LD702	393 9558 905	LED SML-020MVT	
RESISTORS GROUP			
R101,102	247 2003 947	Carbon chip 22 ohm 1/16W	RM73B--220JT
R103	247 2005 903	Carbon chip 100 ohm 1/16W	RM73B--101JT
R104~110	247 2003 947	Carbon chip 22 ohm 1/16W	RM73B--220JT
R111,112	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R114	247 2013 940	Carbon chip 330 kohm 1/16W	RM73B--334JT
R115	247 2005 987	Carbon chip 220 ohm 1/16W	RM73B--221JT
R116,117	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R118	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R120	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R122	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R123	244 2050 959	Metal oxide 270 ohm 1W(NB)	RS14B3A271JNBST(S)
R124	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R125	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R126,127	247 2005 903	Carbon chip 100 ohm 1/16W	RM73B--101JT
R128	247 2012 996	Carbon chip 200 kohm 1/16W	RM73B--204JT
R129~132	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R133~135	247 2003 947	Carbon chip 22 ohm 1/16W	RM73B--220JT
R136	247 2006 902	Carbon chip 330 ohm 1/16W	RM73B--331JT (1608)
R137~144	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R147	247 2012 996	Carbon chip 200 kohm 1/16W	RM73B--204JT
R149~151	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R200	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R201	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R202	247 2005 903	Carbon chip 100 ohm 1/16W	RM73B--101JT
R203	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R204	247 2001 949	Carbon chip 3.3 ohm 1/16W	RM73B--3R3KT
R205,206	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R207	247 2005 903	Carbon chip 100 ohm 1/16W	RM73B--101JT
R208	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R209	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R210	247 2010 927	Carbon chip 15 kohm 1/16W	RM73B--153JT
R211	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R212	241 2375 907	Carbon film 10 ohm 1/4W(NB)	RD14B2E100JNBST
R213,214	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R215	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R216	247 2010 901	Carbon chip 12 kohm 1/16W	RM73B--123JT
R217	247 2010 927	Carbon chip 15 kohm 1/16W	RM73B--153JT
R218	247 2010 956	Carbon chip 20 kohm 1/16W	RM73B--203JT
R219	247 2010 901	Carbon chip 12 kohm 1/16W	RM73B--123JT
R220	247 2010 927	Carbon chip 15 kohm 1/16W	RM73B--153JT
R221	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R222,223	247 2010 901	Carbon chip 12 kohm 1/16W	RM73B--123JT
R224	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R225	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R226	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R227	247 2011 900	Carbon chip 33 kohm 1/16W	RM73B--333JT
R228	247 2011 913	Carbon chip 36 kohm 1/16W	RM73B--363JT
R229	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT

Ref. No.	Part No.	Part Name	Remarks
R231	247 2010 956	Carbon chip 20 kohm 1/16W	RM73B--203JT
R232~235	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R236,237	247 2011 913	Carbon chip 36 kohm 1/16W	RM73B--363JT
R238	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R239	247 2006 902	Carbon chip 330 ohm 1/16W	RM73B--331JT (1608)
R240	247 2010 985	Carbon chip 27 kohm 1/16W	RM73B--273JT
R241	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R242	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R244	247 2007 969	Carbon chip 1.2 kohm 1/16W	RM73B--122JT
R245	247 2010 901	Carbon chip 12 kohm 1/16W	RM73B--123JT
R246,247	247 2007 901	Carbon chip 680 ohm 1/16W	RM73B--681JT
R248	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R249	247 2005 903	Carbon chip 100 ohm 1/16W	RM73B--101JT
R250~252	247 2003 947	Carbon chip 22 ohm 1/16W	RM73B--220JT
R253	247 2006 944	Carbon chip 390 ohm 1/16W	RM73B--391JT
R256	247 2011 900	Carbon chip 33 kohm 1/16W	RM73B--333JT
R257	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R258~263	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R264	247 2005 945	Carbon chip 150 ohm 1/16W	RM73B--151JT
R265	247 2008 968	Carbon chip 3.3 kohm 1/16W	RM73B--332JT
R266	247 2012 967	Carbon chip 150 kohm 1/16W	RM73B--154JT
R267~299	247 2003 947	Carbon chip 22 ohm 1/16W	RM73B--220JT
R300	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R301,302	247 2009 941	Carbon chip 6.8 kohm 1/16W	RM73B--682JT
R303,304	247 2008 955	Carbon chip 3 kohm 1/16W	RM73B--302JT
R307,308	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R309,310	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R311,312	247 2008 984	Carbon chip 3.9 kohm 1/16W	RM73B--392JT
R313	247 2001 949	Carbon chip 3.3 ohm 1/16W	RM73B--3R3KT
R314	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R315,316	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R317,318	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R321,322	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R323,324	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R325,326	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R327~330	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R331,332	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R333,334	247 2010 914	Carbon chip 13 kohm 1/16W	RM73B--133JT
R337~340	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R341,342	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R343,344	247 2006 931	Carbon chip 360 ohm 1/16W	RM73B--361JT
R345,346	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R353,354	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R355	247 2008 913	Carbon chip 2 kohm 1/16W	RM73B--202JT
R356,357	247 2008 900	Carbon chip 1.8 kohm 1/16W	RM73B--182JT
R374	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R375	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R376	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R377,378	247 2003 947	Carbon chip 22 ohm 1/16W	RM73B--220JT
R379	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R381	247 2002 964	Carbon chip 10 ohm 1/16W	RM73B--100JT

Ref. No.	Part No.	Part Name	Remarks
R382~384	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R385	247 2001 907	Carbon chip 2.2 ohm 1/16W	RM73B--2R2KT
R386	247 2002 948	Carbon chip 8.2 ohm 1/16W	RM73B--8R2KT
R403,404	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R405,406	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R407,408	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R502	241 2377 934	Carbon film 91 ohm 1/4W(NB)	RD14B2E910JNBST
R503,504	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R505	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R506	247 2007 969	Carbon chip 1.2 kohm 1/16W	RM73B--122JT
R507~509	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R510	247 2007 969	Carbon chip 1.2 kohm 1/16W	RM73B--122JT
R511~513	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R701,702	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R713	247 2010 985	Carbon chip 27 kohm 1/16W	RM73B--273JT
R726	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R727	247 2005 987	Carbon chip 220 ohm 1/16W	RM73B--221JT
R728	247 2006 902	Carbon chip 330 ohm 1/16W	RM73B--331JT (1608)
R801,802	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R803,804	247 2005 945	Carbon chip 150 ohm 1/16W	RM73B--151JT
R805	247 2005 961	Carbon chip 180 ohm 1/16W	RM73B--181JT
R807	247 2006 915	Carbon chip 270 ohm 1/16W	RM73B--271JT
R809	247 2006 944	Carbon chip 390 ohm 1/16W	RM73B--391JT
R811	247 2007 901	Carbon chip 680 ohm 1/16W	RM73B--681JT
R813	247 2007 972	Carbon chip 1.3 kohm 1/16W	RM73B--132JT
R817	247 2008 968	Carbon chip 3.3 kohm 1/16W	RM73B--332JT
R951	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
CAPACITOR GROUP			
C101	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C102	257 0503 967	Ceramic chip 15pF/50V	CC73CH1H150JT
C103	257 0503 983	Ceramic chip 18pF/50V	CC73CH1H180JT
C104~106	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C107	254 4192 935	Electrolytic 100μF/10V	CE04W1A101MT (SRA)
C108,109	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C110	259 0012 030	Electric double layer 0.33μF	CE42--334ZF(DX-H)
C111	254 4192 935	Electrolytic 100μF/10V	CE04W1A101MT (SRA)
C112	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C115	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C116	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C119	254 4299 906	Electrolytic 10μF/16V	CE04W1C100MT(SRE)
C124,125	254 4192 935	Electrolytic 100μF/10V	CE04W1A101MT (SRA)
C126	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C129	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C130	254 4192 935	Electrolytic 100μF/10V	CE04W1A101MT (SRA)
C131	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C132	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT

Ref. No.	Part No.	Part Name	Remarks
C133	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C134	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C135,136	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C138	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C139	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C201,202	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C203	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C204	254 4299 906	Electrolytic 10μF/16V	CE04W1C100MT(SRE)
C205	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C207	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C208	254 4302 958	Electrolytic 47μF/10V	CE04W1A470MT(SRE)
C209	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C210	254 4192 948	Electrolytic 220μF/10V	CE04W1A221MT(SRA)
C211~220	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C221	254 4192 935	Electrolytic 100μF/10V	CE04W1A101MT (SRA)
C222	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C223	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C224	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C225	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C226,227	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C228,229	254 4192 948	Electrolytic 220μF/10V	CE04W1A221MT(SRA)
C230,231	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C232	257 0516 941	Ceramic chip 0.047μF/25V	CK73B1E473KT
C233	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C234	257 0504 982	Ceramic chip 47pF/50V	CC73CH1H470JT
C235	254 4196 973	Electrolytic 4.7μF/50V	CE04W1H4R7MT (SRA)
C236	254 4196 944	Electrolytic 1μF/50V	CE04W1H010MT (SRA)
C237	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C238	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C239	257 0502 971	Ceramic chip 5pF/50V	CC73CH1H5R0CT
C240	257 0502 955	Ceramic chip 3pF/50V	CC73CH1H3R0CT
C241	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C242	254 4305 968	Electrolytic 1μF/50V	CE04W1H010MT(SRE)
C243	257 0516 941	Ceramic chip 0.047μF/25V	CK73B1E473KT
C244	257 0516 909	Ceramic chip 0.022μF/25V	CK73B1E223KT
C245	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C246	254 4192 935	Electrolytic 100μF/10V	CE04W1A101MT (SRA)
C247	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C248	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C249,250	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C251,252	257 0509 990	Ceramic chip 2200pF/50V	CK73B1H222KT
C253	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C260	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT
C261	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C262	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C263	254 4305 968	Electrolytic 1μF/50V	CE04W1H010MT(SRE)
C264	257 0504 940	Ceramic chip 33pF/50V	CC73CH1H330JT
C265	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C266,267	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C268	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C269	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT

Ref. No.	Part No.	Part Name	Remarks
C270	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C271,272	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C273	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C274	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C275	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C276	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C277	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C278,279	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C282	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT
C283	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C286~289	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C290,291	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C292	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C293	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C294	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C295	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C296	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C297,298	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C299	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C300	254 4193 905	Electrolytic 10μF/16V	CE04W1C100MT (SRA)
C301,302	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C303~306	254 4193 905	Electrolytic 10μF/16V	CE04W1C100MT (SRA)
C307	254 4196 957	Electrolytic 2.2μF/50V	CE04W1H2R2MT (SRA)
C308	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C309,310	254 4604 986	Electrolytic 10μF/50V	CE67W1H100MT(P.CAP)
C313,314	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C315,316	257 0508 917	Ceramic chip 470pF/50V	CC73CH1H471JT
C317,318	256 1059 954	Metalized 0.47μF/50V	CF93A1H474JT (JL)
C320	254 4193 918	Electrolytic 22μF/16V	CE04W1C220MT (SRA)
C321	254 4193 905	Electrolytic 10μF/16V	CE04W1C100MT (SRA)
C322	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C323,324	257 0516 909	Ceramic chip 0.022μF/25V	CK73B1E223KT
C325,326	256 1059 925	Metalized 0.27μF/50V	CF93A1H274JT (JL)
C327,328	254 4604 986	Electrolytic 10μF/50V	CE67W1H100MT(P.CAP)
C329,330	257 0501 914	Ceramic chip 0.012μF/50V	CK73B1H123KT
C331,332	254 4604 986	Electrolytic 10μF/50V	CE67W1H100MT(P.CAP)
C333,334	256 1058 942	Metalized 0.056μF/50V	CF93A1H563JT (JL)
C335,336	257 0509 990	Ceramic chip 2200pF/50V	CK73B1H222KT
C337,338	254 4193 905	Electrolytic 10μF/16V	CE04W1C100MT (SRA)
C339,340	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT
C341,342	257 0510 947	Ceramic chip 5600pF/50V	CK73B1H562KT
C343,344	257 0508 959	Ceramic chip 680pF/50V	CC73CH1E681JT
C345,346	257 0510 950	Ceramic chip 6800pF/50V	CK73B1H682KT
C347,348	254 4604 986	Electrolytic 10μF/50V	CE67W1H100MT(P.CAP)
C349,350	254 4193 905	Electrolytic 10μF/16V	CE04W1C100MT (SRA)
C351,352	257 0509 990	Ceramic chip 2200pF/50V	CK73B1H222KT
C357,358	254 4604 986	Electrolytic 10μF/50V	CE67W1H100MT(P.CAP)
C359~362	254 4193 905	Electrolytic 10μF/16V	CE04W1C100MT (SRA)
C363,364	254 4196 944	Electrolytic 1μF/50V	CE04W1H010MT (SRA)
C365,366	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C367,368	257 0516 954	Ceramic chip 0.1μF/25V	CK73B1E104KT

Ref. No.	Part No.	Part Name	Remarks
C373,374	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C377,378	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C383	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C384,385	254 3068 905	Electrolytic 1μF/50V	CE04D1H010MBPT(SRA)
C386~388	254 4302 974	Electrolytic 100μF/10V	CE04W1A101MT(SRE)
C389,390	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C391	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C392	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C393	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C394~398	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C400	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C407	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C408	254 4196 957	Electrolytic 2.2μF/50V	CE04W1H2R2MT (SRA)
C409,410	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C411	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C412	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C413	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C414~417	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT
C421	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C422	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C423	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C501	254 4192 948	Electrolytic 220μF/10V	CE04W1A221MT(SRA)
C502	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C503,504	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C505	254 4193 934	Electrolytic 47μF/16V	CE04W1C470MT (SRA)
C506	254 4193 947	Electrolytic 100μF/16V	CE04W1C101MT (SRA)
C507	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C508	254 4193 947	Electrolytic 100μF/16V	CE04W1C101MT (SRA)
C509	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C510,511	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT
C512	254 4192 922	Electrolytic 47μF/10V	CE04W1A470MT (SRA)
C513	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C514	254 4192 922	Electrolytic 47μF/10V	CE04W1A470MT (SRA)
C515	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C516	254 4192 935	Electrolytic 100μF/10V	CE04W1A101MT (SRA)
C517~520	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C521	254 4193 947	Electrolytic 100μF/16V	CE04W1C101MT (SRA)
C522	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C523	254 4195 929	Electrolytic 10μF/35V	CE04W1V100MT (SRA)
C524	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C525	254 4195 929	Electrolytic 10μF/35V	CE04W1V100MT (SRA)
C526	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C527	254 4195 929	Electrolytic 10μF/35V	CE04W1V100MT (SRA)
C528~531	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C532	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C533	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C538	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C539	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C540,541	254 4522 961	Electrolytic 220μF/35V	CE04W1V221MT SMG/RE3
C542	254 4536 931	Electrolytic 220μF/10V	CE04W1A221MT SMG/RE3
C543	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C701~703	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C704	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C705,706	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C707	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C708,709	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C710	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C712	254 4536 957	Electrolytic 470μF/10V	CE04W1A471MT SMG/RE3
C713,714	254 4522 961	Electrolytic 220μF/35V	CE04W1V221MT SMG/RE3
C721	254 4522 961	Electrolytic 220μF/35V	CE04W1V221MT SMG/RE3
C722,723	254 4195 945	Electrolytic 33μF/35V	CE04W1V330MT (SRA)
C801	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT
C803	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT

OTHERS PARTS GROUP				Q'ty
CX031	205 0355 033	3P KR Connector base(L)		1
CX032	205 0395 035	3P KR Connector base(L)RED		1
CX051	205 1100 067	5P FFC Base (P=1)		1
CX061	205 0343 061	6P Connector base(KR-PH)		1
CX111	205 1092 023	11P Connector plug TWG-P		1
CX131	205 0892 088	13P FFC Connector base		1
CX151	205 0736 076	15P FFC Connector base		1
CX161	205 0892 033	16P FFC Base (P=1)		1
CX201	204 6705 008	20P D Connector		1
CX211	205 0892 062	21P FFC Base (P=1)		1
CX291	205 1100 070	29P FFC Base (P=1)		1
CY031	205 0355 033	3P KR Connector base(L)		1
CY032	205 0395 035	3P KR Connector base(L)RED		1
CY051	205 1218 001	5P FFC Base(P1) side		1
CY111	205 1091 024	11P CON Base TWG-P		1
CY131	205 0892 088	13P FFC Connector base		1
CY291	205 1100 070	29P FFC Base (P=1)		1
FB101,102	235 0130 903	Chip emifil (11A121)		2
FB202~211	235 0130 903	Chip emifil (11A121)		10
FB212,213	247 2018 903	Carbon chip 0 ohm 1/16W		2
FB214	235 0130 903	Chip emifil (11A121)		1
FB215~217	235 0049 900	Beads inductor		3
FB301	235 0130 903	Chip emifil (11A121)		1
FB303	235 0130 903	Chip emifil (11A121)		1
FB501,502	235 0130 903	Chip emifil (11A121)		2
FB504~508	235 0130 903	Chip emifil (11A121)		5
FB509	247 2001 981	Carbon chip 4.7 ohm 1/16W		1
FB510,511	235 0130 903	Chip emifil (11A121)		2
FL701	393 8059 007	VFD		1
JK201	269 0197 004	TOTX179P		1
JK301	204 8647 009	4P Pin jack (RS434A9)		1

1U-3400 POWER SUPPLY UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Q'ty
L201	235 0088 932	Chip inductor (4R7MF)		1
S801	212 0469 901	Tact switch		1
S803	212 0469 901	Tact switch		1
S805	212 0469 901	Tact switch		1
S807	212 0469 901	Tact switch		1
S809	212 0469 901	Tact switch		1
S811	212 0469 901	Tact switch		1
S813	212 0469 901	Tact switch		1
S817,818	212 0477 003	Tact switch		2
ST101,102	205 0452 004	Style pin		2
X101	399 0217 007	Crystal 32.768 MHz		1
X102	399 0646 908	Ceramic 10.0 MHz		1
X201	399 0224 003	Crystal 33.8688 MHz		1
	203 0525 029	1P SIN Cord Ass'y		1
	461 1115 102	FL Spacer		2

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC101,102	263 0615 902	IC BA15218F-DXE2	
IC105,106	263 0615 902	IC BA15218F-DXE2	
IC201	263 0801 004	IC NJM7812FA(S)	
IC202,203	263 0793 002	IC NJM7806FA(S)	
IC204	268 0073 905	IC ICP-N15T	
TR102,103	273 0384 900	Transistor 2SC2412K(S)	
TR104,105	273 0414 906	Transistor 2SC3326(A/B)	
TR201	272 0083 004	Transistor 2SB1185(E/F)	
TR202~204	273 0384 900	Transistor 2SC2412K(S)	
D103,104	276 0432 903	Diode 1SS270A	
D201~216	276 0704 903	Diode 1SR35-400A	
D217	276 0432 903	Diode 1SS270A	
D218	276 0742 004	Diode D5SBA20	
D219,220	276 0704 903	Diode 1SR35-400A	
ZD201	276 0645 952	Zener diode MTZJ30A	
ZD202,203	276 0644 982	Zener diode MTZJ15A	
RESISTORS GROUP			
R101,102	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R103	247 2009 925	Carbon chip 5.6 kohm 1/16W	RM73B--562JT
R104	247 2009 938	Carbon chip 6.2 kohm 1/16W	RM73B--622JT
R105,106	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R107,108	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R109	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R112,113	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R114,115	247 2014 965	Carbon chip 1 Mohm 1/16W	RM73B--105JT
R116	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R117	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R118	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R119	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R120	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R121,122	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R123	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R124~127	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R128~131	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R132	247 2018 903	Carbon chip 0 ohm 1/16W	RM73B--0R0KT
R161,162	247 2009 970	Carbon chip 9.1 kohm 1/16W	RM73B--912JT
R163,164	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R165,166	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R167,168	247 2008 997	Carbon chip 4.3 kohm 1/16W	RM73B--432JT
R171	247 2009 925	Carbon chip 5.6 kohm 1/16W	RM73B--562JT
R172	247 2009 938	Carbon chip 6.2 kohm 1/16W	RM73B--622JT
R173,174	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R175	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R176,177	247 2007 998	Carbon chip 1.6 kohm 1/16W	RM73B--162JT

Ref. No.	Part No.	Part Name	Remarks
R178	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R179	247 2008 984	Carbon chip 3.9 kohm 1/16W	RM73B--392JT
R180	242 2009 001	Composition 1/2W	RC05GF2H225K(UL)
R201	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R202	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R203	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R204	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R205	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R206	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R207	247 2008 955	Carbon chip 3 kohm 1/16W	RM73B--302JT
R208	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R210	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R211,212	244 2050 959	Metal oxide 270 ohm 1W(NB)	RS14B3A271JNBST(S)
R213	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R214	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R215	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R216,217	244 2050 959	Metal oxide 270 ohm 1W(NB)	RS14B3A271JNBST(S)
CAPACITOR GROUP			
C101,102	256 1059 970	Metalized 0.68μF/50V	CF93A1H684JT (JL)
C103	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C105	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C106	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C107	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C108	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C109	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C110	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C117	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C118	254 3053 907	Electrolytic 10μF/16V	CE04D1C100MBPT (SME)
C119,120	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C121	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C122	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C123	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C124	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C125	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C126,127	257 0509 929	Ceramic chip 1000pF/50V	CK73B1H102KT
C128,129	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C130,131	254 4524 943	Electrolytic 1μF/50V	CE04W1H010MT SMG/RE3
C168	256 1059 970	Metalized 0.68μF/50V	CF93A1H684JT (JL)
C169~172	256 1059 909	Metalized 0.18μF/50V	CF93A1H184JT (JL)
C173,174	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C175,176	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C177,178	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C179	256 1059 970	Metalized 0.68μF/50V	CF93A1H684JT (JL)
C180	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C181,182	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C183~185	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C186,187	256 1059 970	Metalized 0.68μF/50V	CF93A1H684JT (JL)
C188	257 0506 951	Ceramic chip 100pF/50V	CC73CH1H101JT
C189	254 4524 943	Electrolytic 1μF/50V	CE04W1H010MT SMG/RE3
C190	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT

Ref. No.	Part No.	Part Name	Remarks
C191	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C192	257 0511 920	Ceramic chip 0.047μF/50V	CK73F1H473ZT
C201	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C202,203	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C204	254 4541 900	Electrolytic 10μF/25V	CE04W1E100MT SMG/RE3
C205	254 4403 734	Electrolytic 4700μF/25V	CE04W1E472MC(SMG)
C206~208	253 9030 963	Ceramic 0.01μF/25V	CK45=1E103KT
C209	254 4524 943	Electrolytic 1μF/50V	CE04W1H010MT SMG/RE3
C210	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C211	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C212	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C213,214	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C215	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C216	254 4539 718	Electrolytic 2200μF/16V	CE04W1C222MC SMG/RE3
C217~219	253 9030 963	Ceramic 0.01μF/25V	CK45=1E103KT
C220,221	254 4525 926	Electrolytic 100μF/50V	CE04W1H101MT SMG/RE3
C222	253 9030 963	Ceramic 0.01μF/25V	CK45=1E103KT
C223	254 4327 904	Electrolytic 1000μF/6.3V	CE04W0J102MT(SMG)
C224~226	253 9030 963	Ceramic 0.01μF/25V	CK45=1E103KT
C227	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C228,229	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C230	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C231	254 4539 718	Electrolytic 2200μF/16V	CE04W1C222MC SMG/RE3
C232~234	253 9030 963	Ceramic 0.01μF/25V	CK45=1E103KT
C235	254 4524 943	Electrolytic 1μF/50V	CE04W1H010MT SMG/RE3
C236	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C237	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C238	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C239	253 8022 707	Ceramic 0.01μF/250V(AC)	CK45F2EAC103MC
C240~243	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C244,245	253 9030 963	Ceramic 0.01μF/25V	CK45=1E103KT
C246,247	254 4523 740	Electrolytic 6800μF/35V	CE04W1V682MC SMG/RE3
C248,249	254 4541 942	Electrolytic 100μF/25V	CE04W1E101MT SMG/RE3
C250	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C251	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C252	254 4524 943	Electrolytic 1μF/50V	CE04W1H010MT SMG/RE3
C254~257	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)

1U-3401 CD MECHA P.W.B. UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Q'ty
OTHERS PARTS GROUP				
AS201	417 0622 000	Heat sink		1
AS218	417 0601 005	Radiator		1
CW131	204 6713 003	13P EH-SCN Connector cord		1
CX021	205 0581 056	2P VH Connector base		1
CX022	205 0581 085	2P VH Connector base		1
CX061	205 0343 061	6P Connector base (KR-PH)		1
CX101	205 0275 003	10P EH Connector base		1
CX111	205 0375 013	11P Connector base (KR-PH)		1
CX121	205 0375 026	12P Connector base (KR-PH)		1
CX131	205 0275 032	13P EH Connector base		1
CY021	205 0581 056	2P VH Connector base		1
CY031	205 0321 038	3P Connector base (Red)		1
⚠ F201	206 1072 033	Fuse 2A		1
⚠ F202	206 1088 001	Fuse 3.15A		1
⚠ F203	206 1088 014	Fuse 3.15A		1
FF201	202 0040 909	Fuse clip		1
FH201	202 0040 909	Fuse clip		1
RL201	214 0214 000	Relay (SDT-S-109LMR)		1
ST101~103	205 0452 017	Style pin		3
⚠ T202	233 6384 003	Power trans (SUB/E3)		1
W701	203 0539 099	1P SIN Cord ass'y		1
	471 3305 014	Screw 3X10 CBS-Z		2
	513 3752 039	Fuse label (T2AL)		1

Ref. No.	Part No.	Part Name	Remarks	Q'ty
Semiconductors				
LD601	393 9600 002	LED SELU5E20C	Blue LED	
RESISTORS GROUP				
R601,602	247 2012 925	Carbon chip 100 kΩ 1/16W	RM73B--104JT	
R603,604	247 2005 987	Carbon chip 220 Ω 1/16W	RM73B--221JT	
R605~607	247 2012 925	Carbon chip 100 kΩ 1/16W	RM73B--104JT	
R608~610	247 2005 987	Carbon chip 220 Ω 1/16W	RM73B--221JT	
R611,612	247 2012 925	Carbon chip 100 kΩ 1/16W	RM73B--104JT	
R613,614	247 2005 987	Carbon chip 220 Ω 1/16W	RM73B--221JT	
R616~619	247 2018 903	Carbon chip 0 Ω 1/16W	RM73B--0R0KT	
R620	247 2011 942	Carbon chip 47 kΩ 1/16W	RM73B--473JT	
OTHERS PARTS GROUP				**Q'ty**
CX021	205 1216 003	2P ZR Connector base (L)	2P ZR CON.BASE(L)	1
CX031	205 0535 044	3P Connector base	3P CONN. BASE	1
CX042	205 0763 049	4P ZR Connector base (L)	4P ZR CON.BASE(L)	1
CX043	205 0535 060	4P Connector base	4P CONN.BASE	1
CX064	205 0763 065	6P ZR Connector base (L)	6P ZR CON.BASE (L)	1
CX101	205 0763 007	10P ZR Connector base (L)	10P ZR CON. BASE(L)	1
CX162	205 1217 002	16P FFC Base(P=1)ZIF	16P FFC BASE(P=1)ZIF	1
CY031	205 0536 043	3P Connector socket	3P CONN. SOCKET	1
CY042	205 0763 049	4P ZR Connector base (L)	4P ZR CON.BASE(L)	1
CY043	205 0536 069	4P Connector socket	4P CONN.SOCKET	1
CY101	205 0763 007	10P ZR Connector base (L)	10P ZR CON. BASE(L)	1
CY161	205 1217 002	16P FFC base(P=1)ZIF	16P FFC BASE(P=1)ZIF	1
CY211	205 1006 022	21P FFC Base (P=1)	21P FFC BASE (P=1)	1
PI601	269 0196 005	GP1S094HCZ	GP1S094HCZ	1
PI602	269 0195 006	GP2S40J	GP2S40J	1
PI603~607	269 0196 005	GP1S094HCZ	GP1S094HCZ	5

1U-3417 POWER AMP UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks
SEMICONDUCTORS GROUP			
IC500	265 0109 003	IC STK402-050	
IC700	265 0109 003	IC STK402-050	
TR500	271 0238 908	Transistor 2SA1037K(S/R)	
TR501~504	273 0384 900	Transistor 2SC2412K(S)	
TR505,506	274 0188 905	Transistor 2SD1858TV2(Q/R)	
TR507	271 0238 908	Transistor V2SA1037K(S/R)	
TR700	271 0238 908	Transistor 2SA1037K(S/R)	
TR701~703	273 0384 900	Transistor 2SC2412K(S)	
D500	276 0723 900	Diode RB721Q-40	
D501	276 0432 903	Diode 1SS270A	
D503~507	276 0432 903	Diode 1SS270A	
D701	276 0432 903	Diode 1SS270A	
TH501	279 0034 054	Posistor PTH9M04BC222TS2F333	
SC501	279 0016 904	Thyristor SF0R1A42	
RESISTORS GROUP			
R500	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R501	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R502	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R503	247 2008 900	Carbon chip 1.8 kohm 1/16W	RM73B--182JT
R504,505	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R506	244 2051 987	Metal oxide 4.7 ohm 1W(NB)	RS14B3A4R7JNBST(S)
R507	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R508	241 2313 901	Fusible resistor 100 ohm 1/4W	RD14B2E101GFRST
R509	244 2043 937	Metal oxide 10 ohm 1W(NB)	RS14B3A100JNBST(S)
R510	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R511	244 2051 987	Metal oxide 4.7 ohm 1W(NB)	RS14B3A4R7JNBST(S)
R512	244 2043 937	Metal oxide 10 ohm 1W(NB)	RS14B3A100JNBST(S)
R513	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R514	241 2313 901	Fusible resistor 100 ohm 1/4W	RD14B2E101GFRST
R515	247 2008 900	Carbon chip 1.8 kohm 1/16W	RM73B--182JT
R516	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R517	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R519	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R520	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R521,522	244 2671 943	Metal oxide 0.22 ohm 2W(NB)	RS14B3DR22JNBST(S)
R523,524	247 2007 914	Carbon chip 750 ohm 1/16W	RM73B--751JT
R526	247 2005 903	Carbon chip 100 ohm 1/16W	RM73B--101JT
R527	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R528	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
R529	247 2004 920	Carbon chip 47 ohm 1/16W	RM73B--470JT
R531,532	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R533,534	247 2011 900	Carbon chip 33 kohm 1/16W	RM73B--333JT
R535	247 2010 927	Carbon chip 15 kohm 1/16W	RM73B--153JT
R536	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R537	247 2010 927	Carbon chip 15 kohm 1/16W	RM73B--153JT
R700	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R701	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R702	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R703	247 2008 900	Carbon chip 1.8 kohm 1/16W	RM73B--182JT
R704,705	247 2010 969	Carbon chip 22 kohm 1/16W	RM73B--223JT
R706	244 2051 987	Metal oxide 4.7 ohm 1W(NB)	RS14B3A4R7JNBST(S)
R707	247 2009 983	Carbon chip 10 kohm 1/16W	RM73B--103JT
R708	241 2313 901	Fusible resistor 100 ohm 1/4W	RD14B2E101GFRST
R709	244 2043 937	Metal oxide 10 ohm 1W(NB)	RS14B3A100JNBST(S)
R710	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R711	244 2051 987	Metal oxide 4.7 ohm 1W(NB)	RS14B3A4R7JNBST(S)
R712	244 2043 937	Metal oxide 10 ohm 1W(NB)	RS14B3A100JNBST(S)
R713	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R714	241 2313 901	Fusible resistor 100 ohm 1/4W	RD14B2E101GFRST
R715	247 2008 900	Carbon chip 1.8 kohm 1/16W	RM73B--182JT
R716	247 2011 968	Carbon chip 56 kohm 1/16W	RM73B--563JT
R717	247 2007 943	Carbon chip 1 kohm 1/16W	RM73B--102JT
R719	247 2009 909	Carbon chip 4.7 kohm 1/16W	RM73B--472JT (1608)
R720	247 2011 942	Carbon chip 47 kohm 1/16W	RM73B--473JT
R725	247 2012 925	Carbon chip 100 kohm 1/16W	RM73B--104JT
CAPACITOR GROUP			
C500	257 0510 934	Ceramic chip 4700pF/50V	CK73B1H472KT
C501	254 3056 920	Electrolytic 2.2μF/50V	CE04D1H2R2MBPT (SME)
C502	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221JT
C503	254 3055 934	Electrolytic 33μF/35V	CE04D1V330MBPT (SME)
C504	254 4536 944	Electrolytic 330μF/10V	CE04W1A331MT SMG/RE3
C505	254 3074 012	Electrolytic 100μF/50V	CE04D1H101MBP(SME)
C506	256 1058 971	Metalized 0.1μF/50V	CF93A1H104JT (JL)
C507	254 4524 985	Electrolytic 10μF/50V	CE04W1H100MT SMG/RE3
C508	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100DT
C509	256 1058 971	Metalized 0.1μF/50V	CF93A1H104JT (JL)
C510	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100DT
C511	254 4524 985	Electrolytic 10μF/50V	CE04W1H100MT SMG/RE3
C512	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C513	254 3074 012	Electrolytic 100μF/50V	CE04D1H101MBP(SME)
C514	254 3056 917	Electrolytic 1μF/50V	CE04D1H010MBPT (SME)
C515	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221JT
C516	254 3055 934	Electrolytic 33μF/35V	CE04D1V330MBPT (SME)
C517	254 3056 920	Electrolytic 2.2μF/50V	CE04D1H2R2MBPT (SME)
C518	257 0510 934	Ceramic chip 4700pF/50V	CK73B1H472KT
C519~522	255 1265 936	Mylar film 0.01μF/50V	CQ93M1H103JT(B)
C523	254 4538 939	Electrolytic 47μF/16V	CE04W1C470MT SMG/RE3
C524	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C525	254 4538 900	Electrolytic 10μF/16V	CE04W1C100MT SMG/RE3
C526	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C527,528	257 0516 909	Ceramic chip 0.022μF/25V	CK73B1E223KT
C529	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)
C531,532	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)

Ref. No.	Part No.	Part Name	Remarks
C533,534	254 4524 943	Electrolytic 1μF/50V	CE04W1H010MT SMG/RE3
C700	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C701	254 3056 920	Electrolytic 2.2μF/50V	CE04D1H2R2MBPT (SME)
C702	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221JT
C703	254 3055 934	Electrolytic 33μF/35V	CE04D1V330MBPT (SME)
C704	254 4536 944	Electrolytic 330μF/10V	CE04W1A331MT SMG/RE3
C705	254 3074 012	Electrolytic 100μF/50V	CE04D1H101MBP(SME)
C706	256 1058 971	Metalized 0.1μF/50V	CF93A1H104JT (JL)
C707	254 4524 985	Electrolytic 10μF/50V	CE04W1H100MT SMG/RE3
C708	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100DT
C709	256 1058 971	Metalized 0.1μF/50V	CF93A1H104JT (JL)
C710	257 0503 925	Ceramic chip 10pF/50V	CC73CH1H100DT
C711	254 4524 985	Electrolytic 10μF/50V	CE04W1H100MT SMG/RE3
C712	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C713	254 3074 012	Electrolytic 100μF/50V	CE04D1H101MBP(SME)
C714	254 3056 917	Electrolytic 1μF/50V	CE04D1H010MBPT (SME)
C715	257 0507 934	Ceramic chip 220pF/50V	CC73CH1H221JT
C716	254 3055 934	Electrolytic 33μF/35V	CE04D1V330MBPT (SME)
C717	254 3056 920	Electrolytic 2.2μF/50V	CE04D1H2R2MBPT (SME)
C718	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C719	255 1265 936	Mylar film 0.01μF/50V	CQ93M1H103JT(B)
C720~723	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C724,725	255 1265 936	Mylar film 0.01μF/50V	CQ93M1H103JT(B)
C729	257 0512 903	Ceramic chip 0.1μF/25V	CK73F1E104ZT
C733,734	257 0501 901	Ceramic chip 0.01μF/50V	CK73B1H103KT (1608)

Ref. No.	Part No.	Part Name	Remarks	Q'ty
OTHERS PARTS GROUP				
CW039	203 4971 019	3P PH-SAN Connector cord		1
CX023,024	205 0234 028	2P EH SID Connector base		2
CX025	205 0581 001	2P VH Connector base		1
CX039	205 0343 032	3P Connector base (KR-PH)		1
CX041	205 0234 044	4P EH Side base		1
CY022	205 0581 085	2P VH Connector base		1
CY041	205 0233 045	4P EH Connector base		1
CY101	205 0234 002	10P EH SID Connector base		1
CY111	205 0480 018	11P KR Connector base (L)		1
JK500	205 1199 007	4P SP Terminal (SGND)		1
L500,501	235 0068 004	Inductor 1μH		2
L700,701	235 0068 004	Inductor 1μH		2
RL500	214 0206 005	Relay (PCI212DM)		1
RL700	214 0206 005	Relay (PCI212DM)		1
ST501,502	205 0452 017	Style pin		2
W701	203 0709 007	1P Terminal wire		1
	415 0309 013	P.V.C. Tube (L=10)		2

1U-3445 I/F UNIT ASS'Y

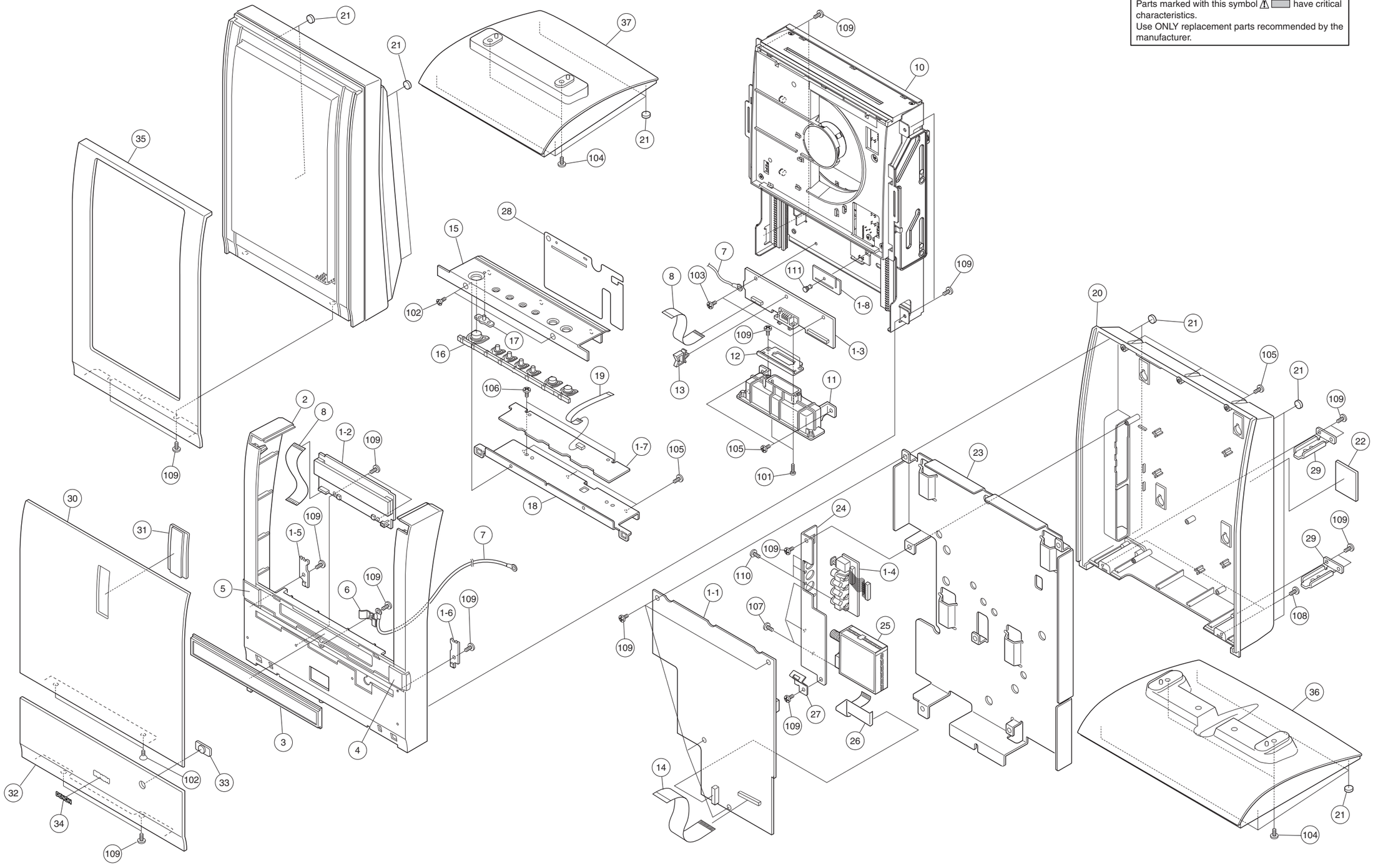
Ref. No.	Part No.	Part Name	Remarks	
SEMICONDUCTORS GROUP				
IC401	263 0615 902	IC BA15218F-DXE2		
RESISTORS GROUP				
R401~408	247 2009 983	Carbon chip 10 kΩ 1/16W	RM73B--103JT	
CAPACITOR GROUP				
C401,402	257 0512 903	Ceramic chip 0.1 μF/25V	CK73F1E104ZT	
C403,404	257 0506 951	Ceramic chip 100 pF/50V	CC73CH1H101JT	
C601	257 0512 903	Ceramic chip 0.1 μF/25V	CK73F1E104ZT	
C604,605	257 0512 903	Ceramic chip 0.1 μF/25V	CK73F1E104ZT	
C610	257 0512 903	Ceramic chip 0.1 μF/25V	CK73F1E104ZT	
OTHERS PARTS GROUP				**Q'ty**
CX031	205 0321 038	3P Connector base (Red)		1
CX201	204 6705 008	20P D Connector		1
CY061	205 0343 061	6P Connector base(KR-PH)		1
CY121	205 0375 026	12P Connector base (KR-PH)		1

EXPLODED VIEW

1 2 3 4 5 6 7 8

A B C D E

WARNING:
Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.



PARTS LIST OF EXPLODED VIEW

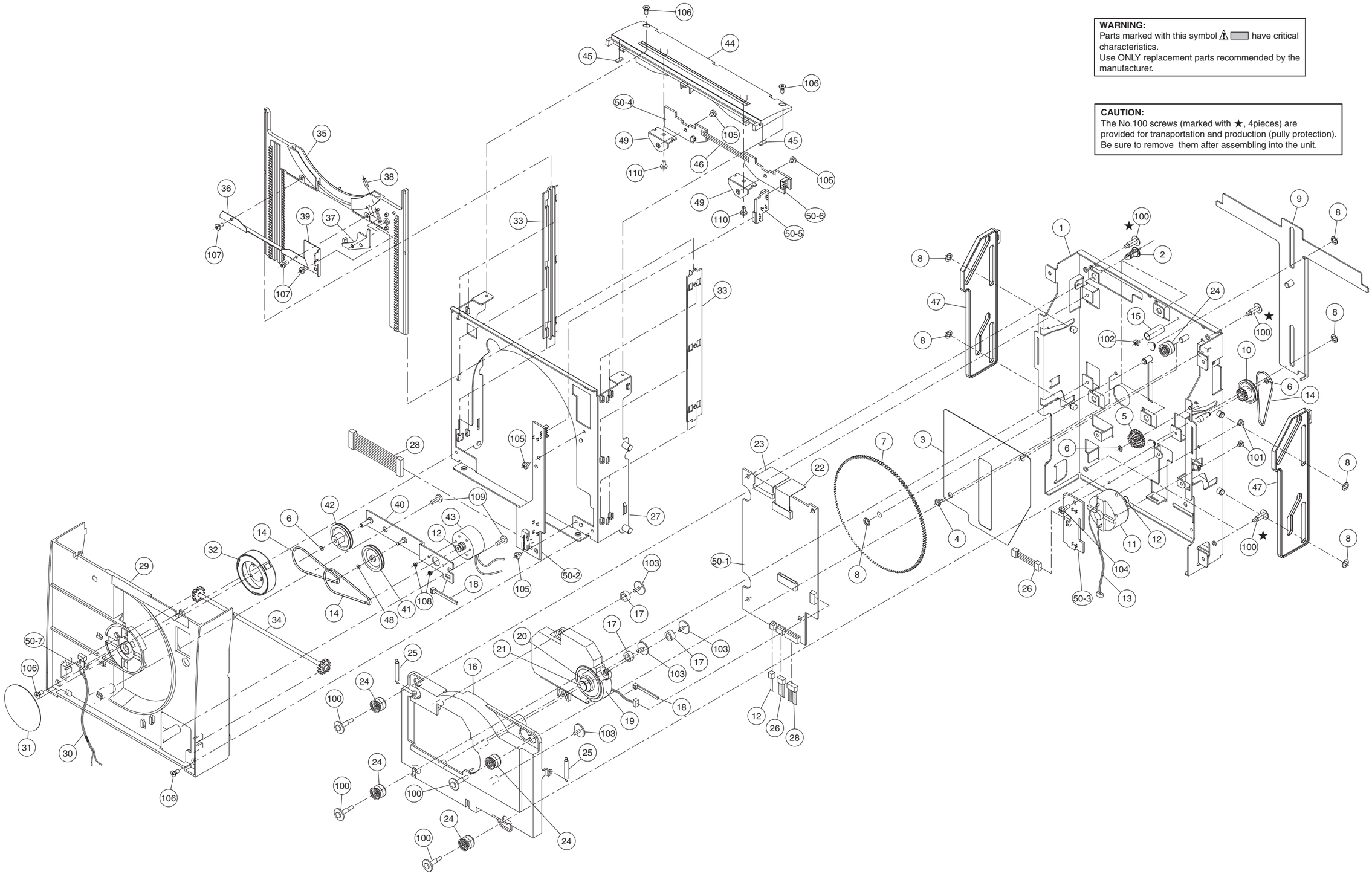
Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	1U-3398E3	CD-TUNER unit ass'y		1s
1-1		Main unit		
1-2		Display uint		
1-3		Interface unit		
1-4		Audio in/out unit		
1-5		OP/CL Switch unit		
1-6		Play switch unit		
1-7		Control unit		
1-8		FFC Protector		
	GEN 5315	Inner panel SUB		
2	146 2265 301	Inner panel		1
3	143 1137 208	Display window		1
4	–	Knob cap (PLAY/PAUSE)		1
5	–	Knob cap (EJECT)		1
6	412 4914 007	Earth plate		1
7	203 0708 008	1P Cord Ass'y		1
8	009 0196 047	13P FFC cable(1.0)		1
9	203 4871 054	3P KR-KR ribbon wire 150		2
10	FG 350	CD mecha unit		1
11	105 1391 107	Bottom cover		1
12	412 4851 005	Connector bracket		1
13	445 0106 000	Mini clamp (UAMS)		1
14	009 0196 050	29P FFC cable(1.0)		1
15	146 2267 105	Top panel		1
16	113 1922 108	7P Knob		1
17	143 1136 102	Lens (LED)		1
18	412 4849 004	Tact knob bracket		1
19	009 0196 034	5P FFC cable(1.0)		1
20	146 2266 300	Rear panel		1
21	461 1113 007	Rubber pad		24
22	414 0957 006	PVC Sheet		1
23	411 1996 300	Main chassis		1
24	412 4850 200	I/O Jack bracket		1
25	216 0113 000	AM FM Tuner (E3)		1
26	009 0222 005	15P FFC cable(1.25)		1
27	412 4940 000	Earth plate		1
28	441 1956 105	Protect sheet		1
29	412 4852 208	Stand bracket		2
	GEN 5321	Door panel ass'y		
30	144 2782 202	Door panel		1
31	143 1138 100	Door window		1
	GEN 5322	Front panel ass'y		
32	144 2781 203	Front panel		1
33	143 1135 200	Lens (Remote)		1
34	131 0156 106	DENON badge		1
35	144 2785 102	Front panel (Speaker)		2
36	104 0326 206	Stand		1
37	104 0328 107	Stand (Speaker)		2

Ref. No.	Part No.	Part Name	Remarks	Q'ty
SCREWS				
101	471 1204 036	Screw 2.6×8 CPS BKNI		2
102	471 2801 030	Screw 3×5 CFS-B		4
103	471 3303 016	Screw 3×6 CBS-Z		2
104	471 3405 024	Screw 4×10 CBS-B		6
105	473 7002 021	Screw 3×8 CBTS (S)-B		5
106	473 7002 034	Screw 3×6 CBTS (S)-B		2
107	473 7015 005	Screw 3×6 CBTS(S)-B	Earth point type	3
108	473 7501 014	Screw 3×14 CBTS (P)-Z		2
109	473 7508 017	Screw 3×10 CBTS (P)-B		25
110	477 0064 107	Fixing screw		3
111	477 0096 010	Push rivet		1

EXPLODED VIEW OF CD MECHANISM

WARNING:
Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
The No.100 screws (marked with ★, 4pieces) are provided for transportation and production (pully protection). Be sure to remove them after assembling into the unit.



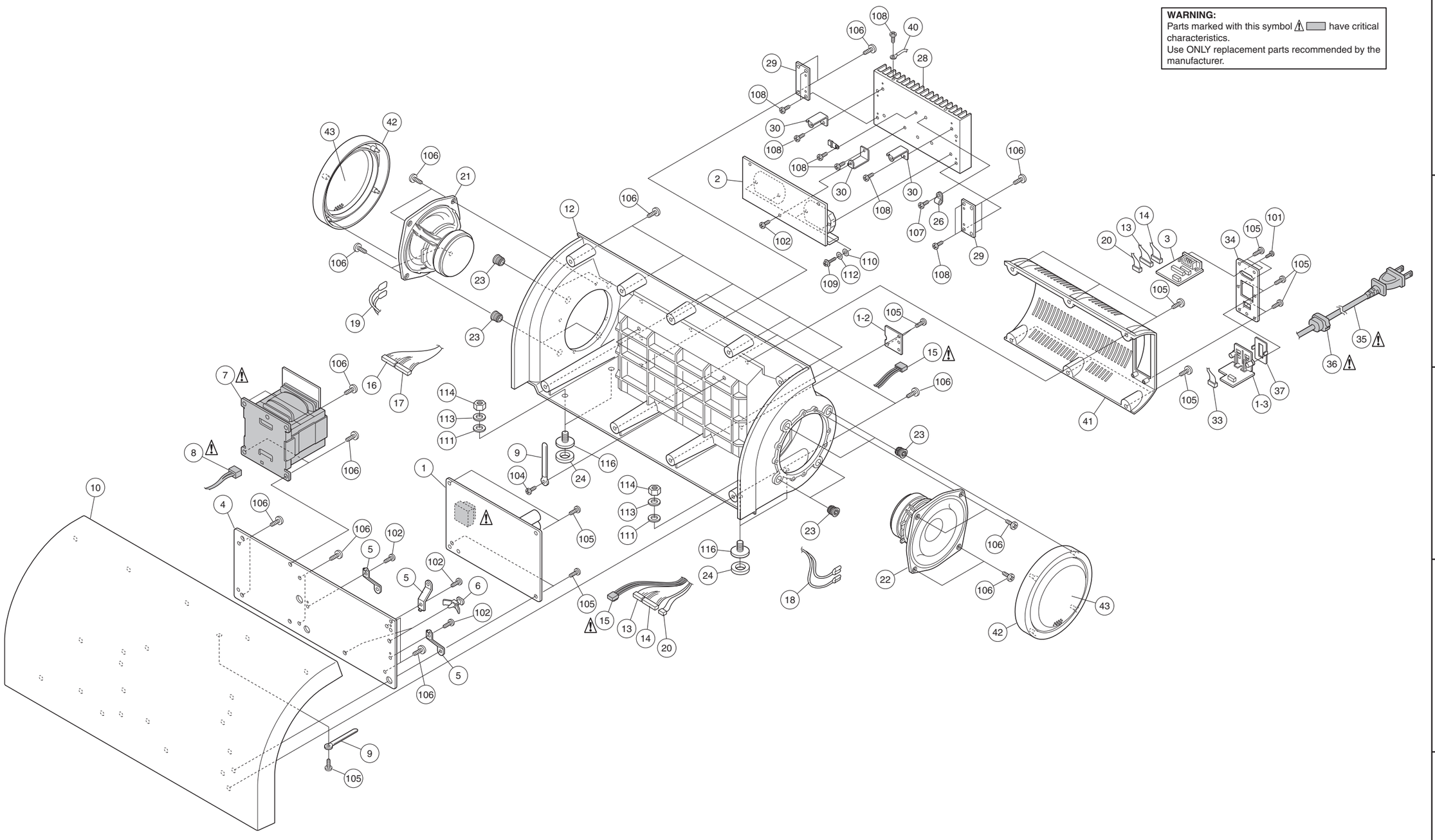
PARTS LIST OF CD MECHANISM UNIT

Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	411 1997 406	Mecha chassis ass'y		1
2	412 4863 006	P.W.B. holder (H=6.35)		4
3	425 0248 003	Sheet		1
4	477 0315 005	Push rivet		1
5	424 0272 102	Gear A		1
6	475 1157 046	Slit washer T0.5		3
7	424 0273 208	Cam gear		1
8	462 0171 001	Cut washer		7
9	431 0433 101	Slide plate ass'y		1
10	424 0271 006	Pulley motor		1
11	GEN 5325	Loading motor SUB		1
12	–	Motor pulley		2
13	203 2412 004	2P ZR connector cord		1
14	423 0078 002	Belt		3
15	463 0948 101	Spring		1
16	431 0431 006	TR holder		1
17	443 1559 003	Spacer		3
18	445 8004 007	Wire clamper		2
19	GEN 5327	TR Mecha sub ass'y		
20	–	Centering guide		1
21	–	Clamp magnet		1
22	009 0219 005	16P FFC cable		1
23	009 0220 007	24P FFC cable		1
24	462 0173 009	Damper		5
25	463 0944 105	TR spring		2
26	203 6465 031	4P ZH-ZH connector cord		1
27	412 4854 206	Door bracket ass'y		1
28	204 2906 005	10P ZH-ZH conner cord		1
29	146 2264 302	Blind		1
30	002 0056 005	2C vinyl wire		1
31	441 1953 001	LED cover		1
32	421 0793 200	Clamper ass'y		1
33	431 0432 005	Guide rail		2
34	424 0279 202	Gear W Ass'y		1
35	431 0430 104	Holder		1
36	412 4853 003	Holder bracket		1
37	414 0942 105	12 Shutter		1
38	463 0943 009	12 Spring		1
39	414 0941 106	Shutter		1
40	412 4855 108	LM bracket ass'y		1
41	424 0276 001	Pulley LM		1
42	424 0277 107	Gear LM		1
43	GEN 5333	Motor (U/D) SUB	43+12	1
44	146 2263 206	Door cover		1
45	461 1023 003	Door cushion		2
46	002 0051 026	3C ribbon wire		1
47	424 0274 207	Slide cam		2
48	475 1157 075	Slit washer		1
49	412 4848 005	Disc sensor bracket		2
50	1U-3401	CD Mecha P.W.B. unit		1
50-1		IF unit		
50-2		Disc up/down unit		
50-3		OP/CL detect unit		
50-4		Disc detect unit		
50-5		12Disc detect unit		
50-6		Junction unit		
50-7		LED unit		

Ref. No.	Part No.	Part Name	Remarks	Q'ty
SCREWS				
100	473 8084 006	Special screw		8
101	471 3843 000	Screw 2.6×2.5 CBS-N		2
102	471 1833 009	Screw 2.6×4 CPTS(S)-Z		1
103	473 8081 009	Screw 2.6×6 SCREW(P)-Z		4
104	473 7002 005	Screw 3×6 CBTS(S)-Z		1
105	471 3802 012	Screw 2.6×3 CBS-Z		4
106	471 2203 023	Screw 2.6×6 CFS-B		4
107	473 7506 006	Screw 2×5 CBTS (P)-Z		3
108	471 1515 000	Screw 1.7×2 CPS-Z		2
109	473 7500 015	Screw 3×8 CBTS (P)-Z		2
110	473 7505 036	Screw 2.6×5 CBTS(P)-Z		2

EXPLODED VIEW OF SUB WOOFER

WARNING:
Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

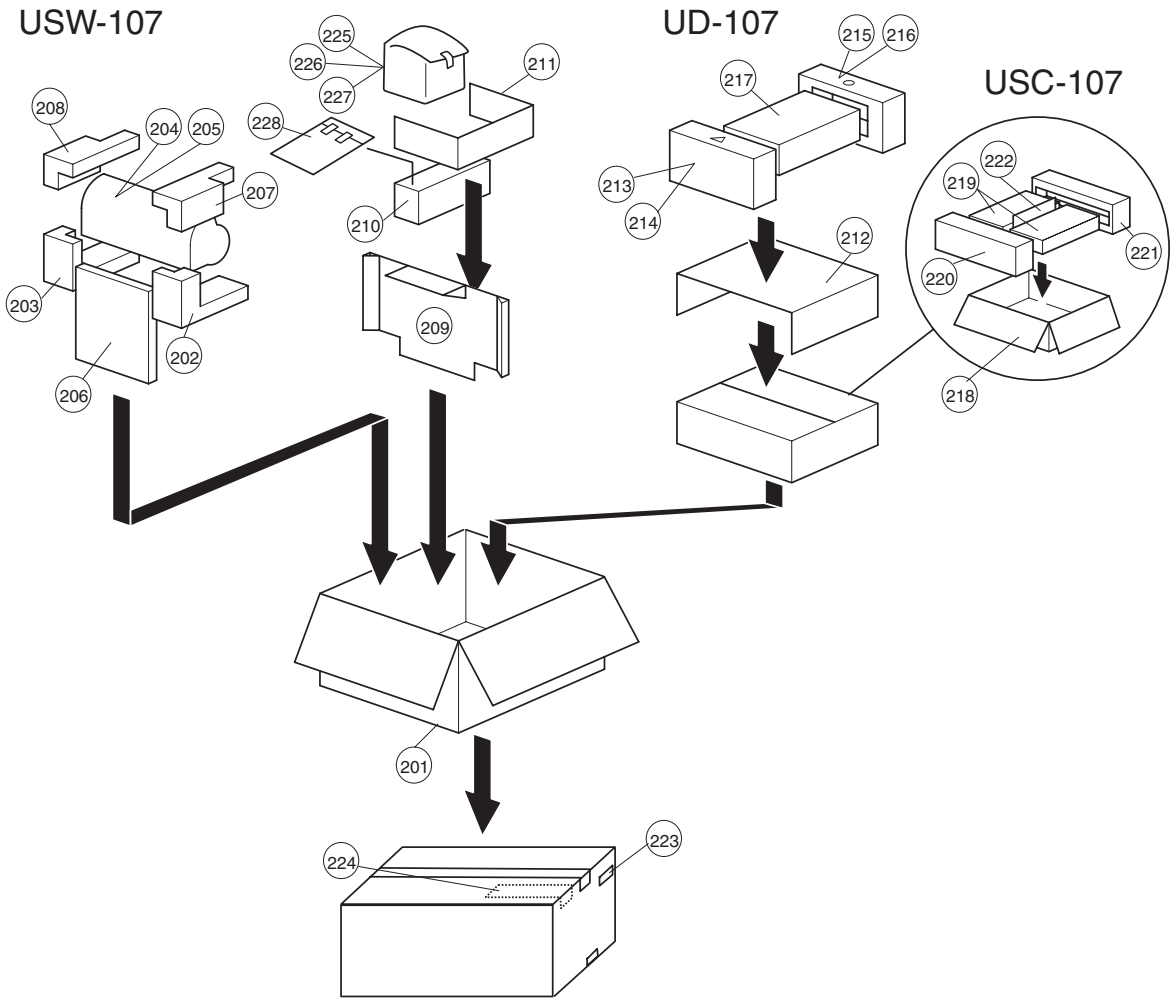


PARTS LIST OF SUB WOOFER UNIT

Ref. No.	Part No.	Part Name	Remarks	Q'ty
1	1U-3400A	Power supply unit ass'y		1
2	1U-3417	Power amp unit Ass'y		1
3	1U-3445	I/F unit Ass'y		1
4	412 4912 203	Trans plate		1
5	412 4913 008	PWB bracket		3
6	449 0050 048	Card spacer		2
⚠ 7	233 6401 009	Power trans		1
⚠ 8	203 5215 033	3P VH-VH Connector cord		1
9	445 0048 016	Cord holder (L50)		3
10	103 1752 106	Front cabinet		1
11	513 3754 008	Caution label		1
12	103 1753 202	Back cabinet		1
13	204 0317 052	6P PH-PH Connector cord		1
14	204 6715 014	12P PH-PH Shield		1
⚠ 15	203 5132 048	3P VH Connector cord		1
16	204 6714 002	11P PH-PH Shield		1
17	204 2796 024	10P EH-EH Connector cord		1
18	203 2410 006	2P EH Wire ass'y		1
19	203 2410 019	2P EH Wire ass'y		1
20	203 5135 003	3P PH-PH Connector cord		1
21	302 0169 009	12RW51 Speaker ass'y		1
22	302 0170 001	12RW52 Speaker ass'y		1
23	402 0116 006	Catcher		8
24	461 1116 004	Rubber pad		4
25	445 8004 007	Wire clamper		4
26	445 0090 006	Mini clamp		1
27	415 0730 019	UL Tube (8.3) BK		1
28	417 0623 203	Heat sink		1
29	412 4861 008	Heat sink bracket		2
30	412 4622 001	PCB Support (A)		3
32	445 8004 007	Wire clamper		2
33	203 6473 023	4P EH-EH Connector cord		1
34	105 1392 009	Rear plate		1
⚠ 35	206 2160 009	AC Cord connector VH N/I		1
⚠ 36	445 0056 008	Cord bush		1
37	412 4945 005	Earth terminal (SP)		1
38	203 0710 009	1P Terminal wire		1
41	103 1754 104	Amp cover		1
42	146 2272 103	Decoration ring		2
43	149 9006 009	Metal net		2
44	513 3748 001	Rating sheet		1
45	513 3758 004	Caution label		1
46	513 3723 107	C/UL Label		1

Ref. No.	Part No.	Part Name	Remarks	Q'ty
SCREWS				
101	471 1204 036	Screw 2.6×8 CPS BKNI		2
102	473 7002 005	Screw 3×6 CBTS(S)-Z		3
103	473 7002 021	Screw 3×8 CBTS (S)-B		3
104	473 7508 004	Screw 3×6 CBTS (P)-B		2
105	473 7508 017	Screw 3×10 CBTS (P)-B		21
106	473 7509 016	Screw 4×10 CBTS (P)-B		32
107	473 7526 002	Screw 2.6×8 CPTS(B)-B		1
108	473 8034 030	Screw 3×10 CBTS(B)-Z		8
109	473 8034 072	Screw 3×16 CBTS(B)Z		4
110	475 1003 006	3 Washer		4
111	475 1123 009	8 Washer		4
112	475 2003 005	3 SWasher		4
113	475 2007 001	8 SWasher ZN		4
114	475 6014 003	8 Nut		4
115	477 0096 010	Push rivet		1
116	477 0314 006	Speaker volts		4

PACKING VIEW



PARTS LIST OF PACKING & ACCESSORIES

Ref. No.	Part No.	Part Name	Remarks	Q'ty
201	501 2163 008	Carton case		1
202	502 0994 104	USW Cushion BTM-L		1
203	502 0995 103	USW Cushion BTM-R		1
204	–	Sub woofer		
205	504 0202 012	Sheet		1
206	502 1001 009	USW Spacer (Front)		1
207	502 0992 106	USW Cushion TOP-L		1
208	502 0993 105	USW Cushion TOP-R		1
209	502 0998 003	Spacer (Center)		1
210	502 0996 005	Spacer (Bottom)		1
211	502 0997 004	Spacer (Top)		1
212	502 1000 000	USC Spacer (TOP)		1
213	502 0985 003	UD Cushion TOP-A		1
214	502 0986 002	UD Cushion TOP-B		1
215	502 0987 001	UD Cushion BTM-A		1
216	502 0988 000	UD Cushion BTM-B		1
217	504 0202 009	Sheet		1
218	501 2171 003	Carton case (USC)		1
219	USC107-S	Speaker system		1
220	502 0990 001	USC Cushion-A		2

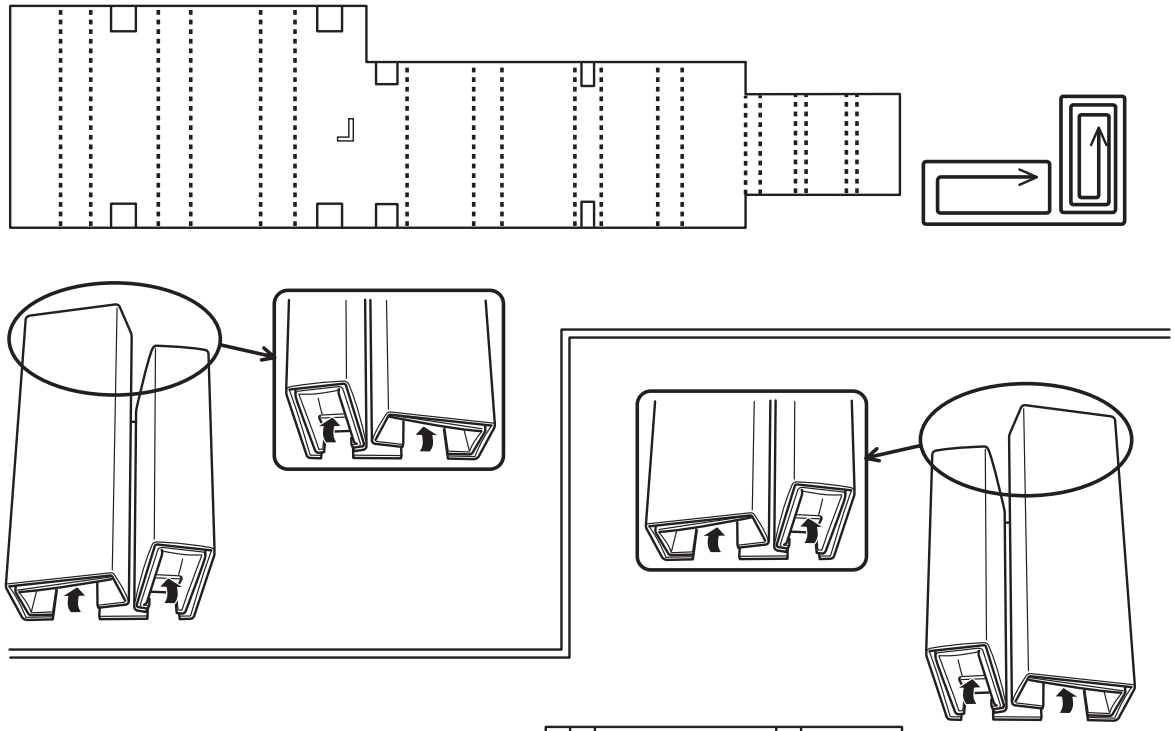
Ref. No.	Part No.	Part Name	Remarks	Q'ty
221	502 0989 009	USC Cushion-B		2
222	502 0991 000	USC Spacer		1
223	513 3757 005	E3 Label		1
224	515 0690 404	DEL Warranty home		1
225	505 0038 030	Poly cover		1
225-1	103 1756 005	Cable cover		1
226	504 0202 025	Sheet		1
227	505 0343 000	Envelope	4×10 CBS	1
228	511 3855 008	Inst manual		1
228-1	505 0038 030	Poly cover	Accessory	1
228-2	515 0921 005	S.S.List		1
228-3	515 0926 000	Pattern paper		1
228-4	204 6704 009	20P D-Sub cable		1
228-5	231 0922 009	Loop antenna		1
228-6	395 0027 004	FM antenna ass'y (F/ETRO)		1
228-7	399 0772 005	Remote control unit	RC-909	1
228-8	–	Battery (UM-4)		2
★	513 3713 007	Rating sheet		1
★	513 1381 004	Manufac.date label		1
★	517 1456 009	UPC Label		1

FORMING CUSHIONS

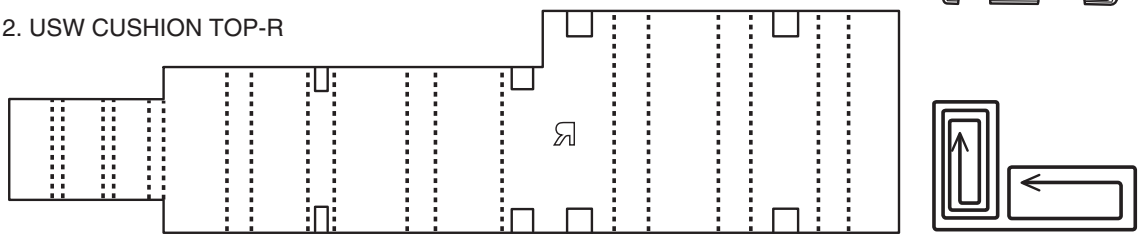
How to Form USW Cushion Top

* Solid lines: Convex shape. Doted lines: Concave shape.

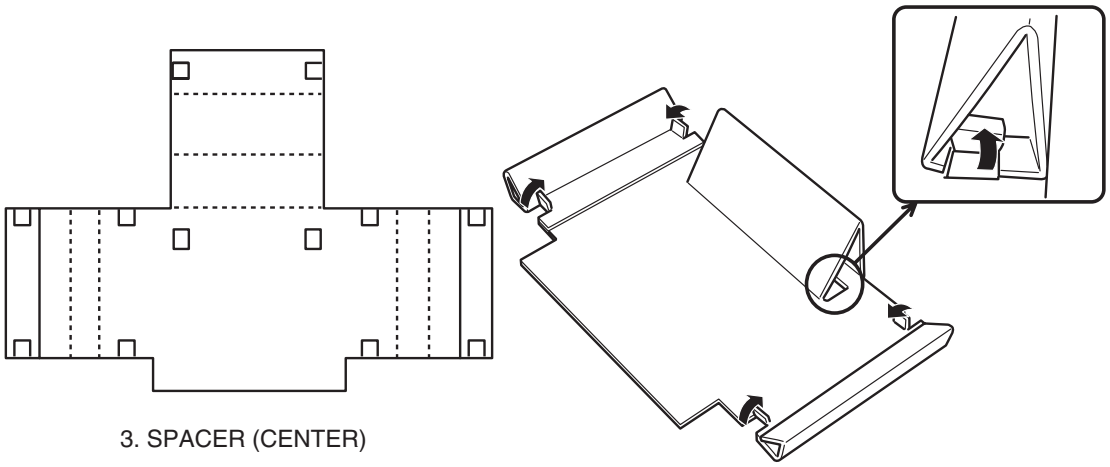
1. USW CUSHION TOP-L



2. USW CUSHION TOP-R



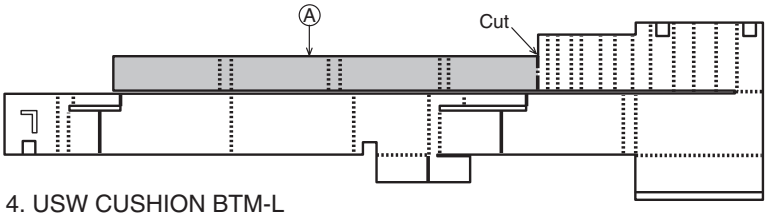
How to Form Spacer (Center) Cushion



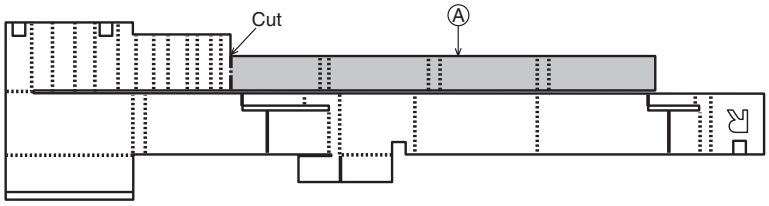
3. SPACER (CENTER)

How to Form USW BTM-L/R Cushion

* Solid lines: Concave shape. Doted lines: Convex shape.

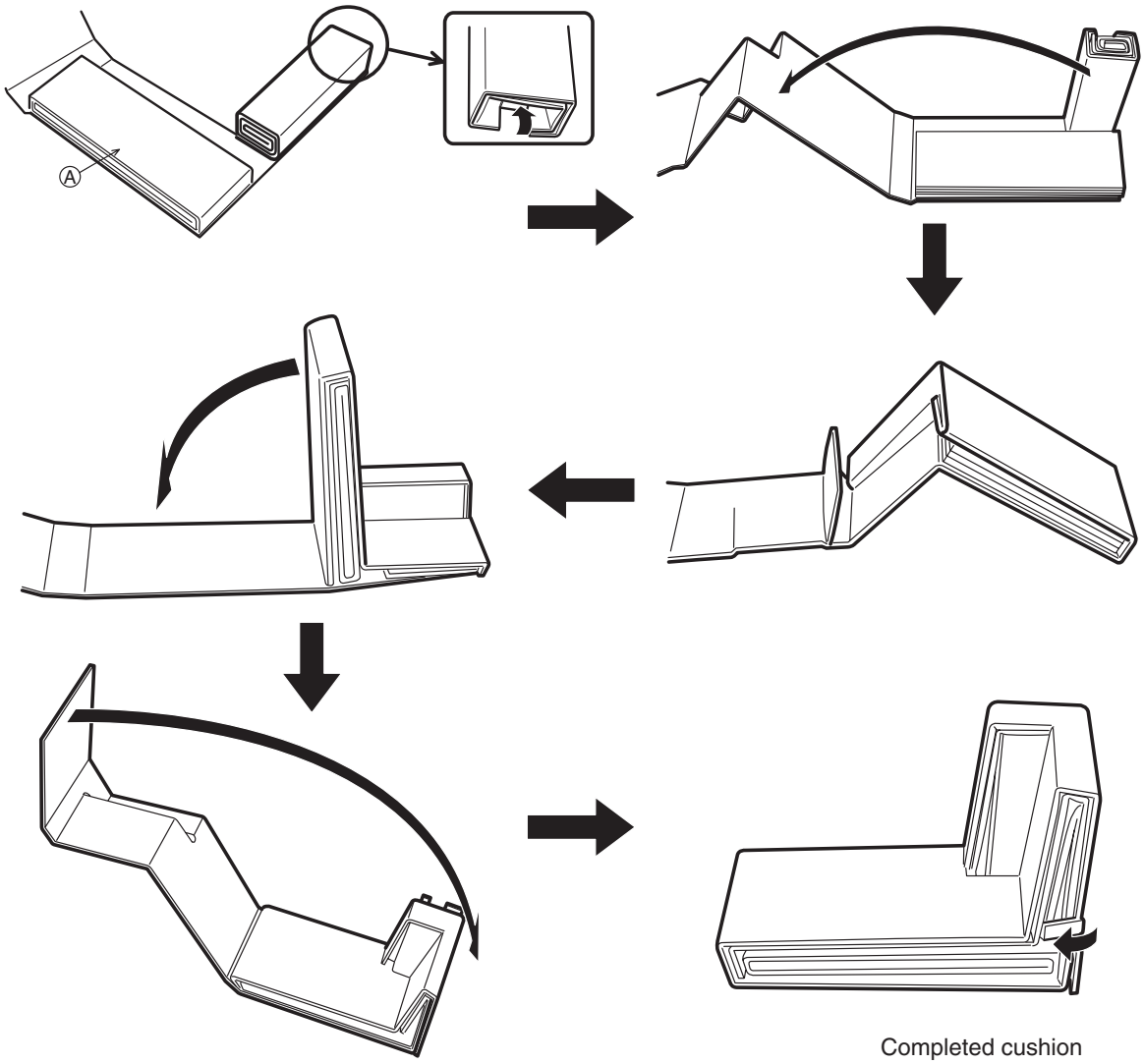


4. USW CUSHION BTM-L



5. USW CUSHION BTM-R

Hold the cushion in the order as shown (L-side). As for R-side, it is reverse directional from this Fig.

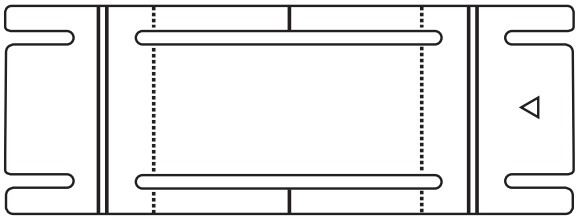


Completed cushion

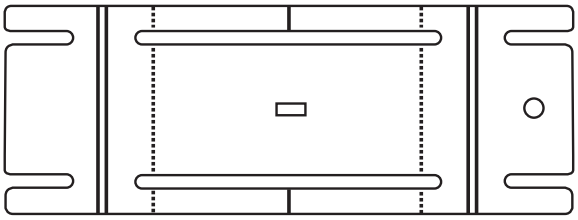
How to Form Cushion Top

How to Form Cushion BTM

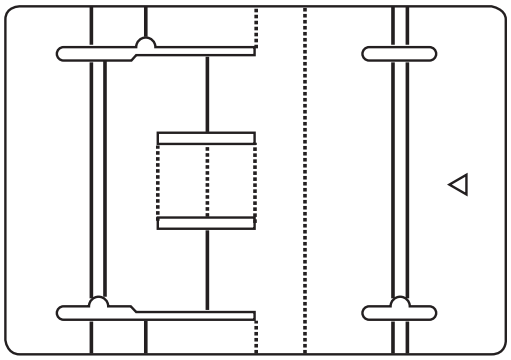
* Solid lines: Convex shape. Doted lines: Concave shape.



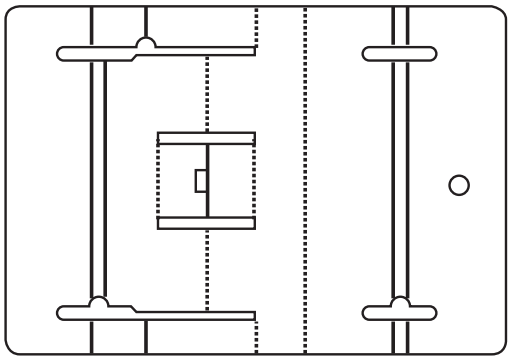
1. UD CUSHION TOP-B



1. UD CUSHION BTM-B

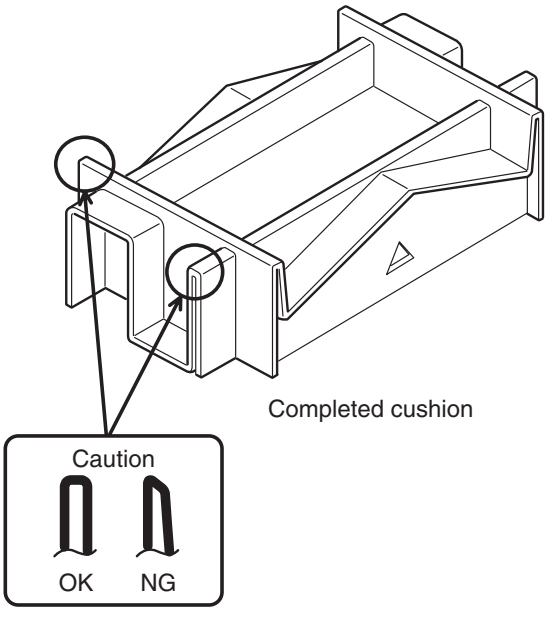


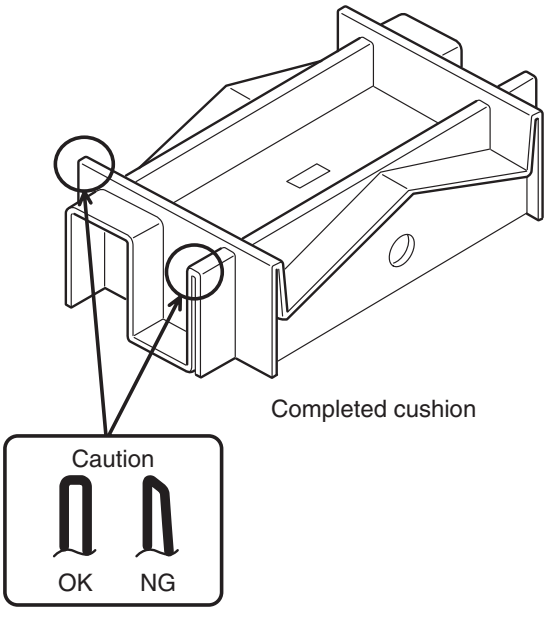
2. UD CUSHION TOP-A



2. UD CUSHION BTM-A

Assemble 2 cushions combining them vertically, top and bottom.

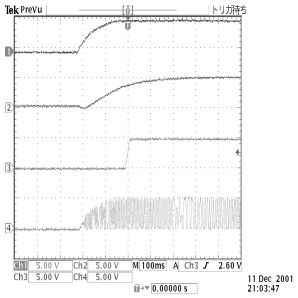




WAVE FORMS

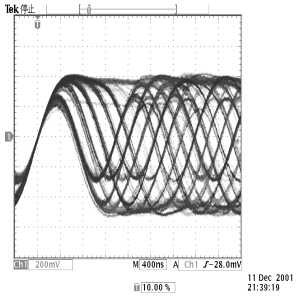
● IC101

AC ON



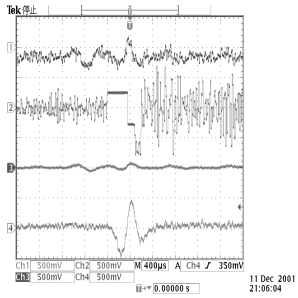
● IC203

CD PLAY

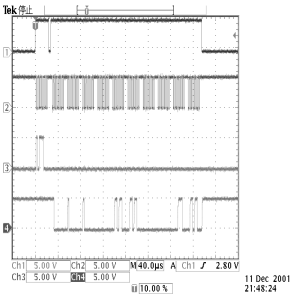


● IC204

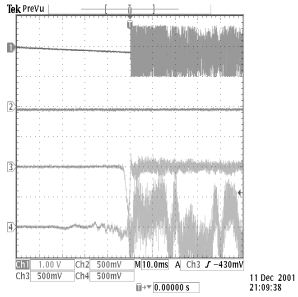
CD PAUSE



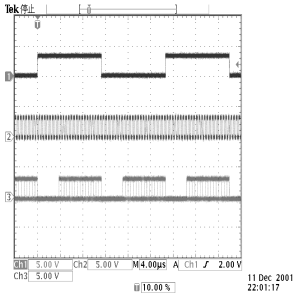
CD PLAY



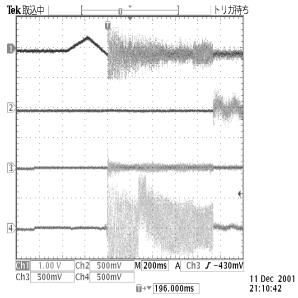
FOCUS ON



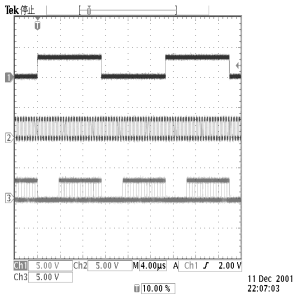
MP3 PLAY



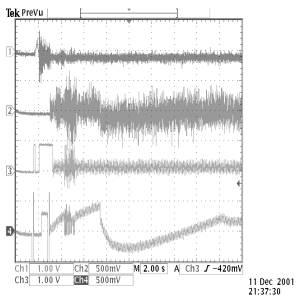
FOCUS ON



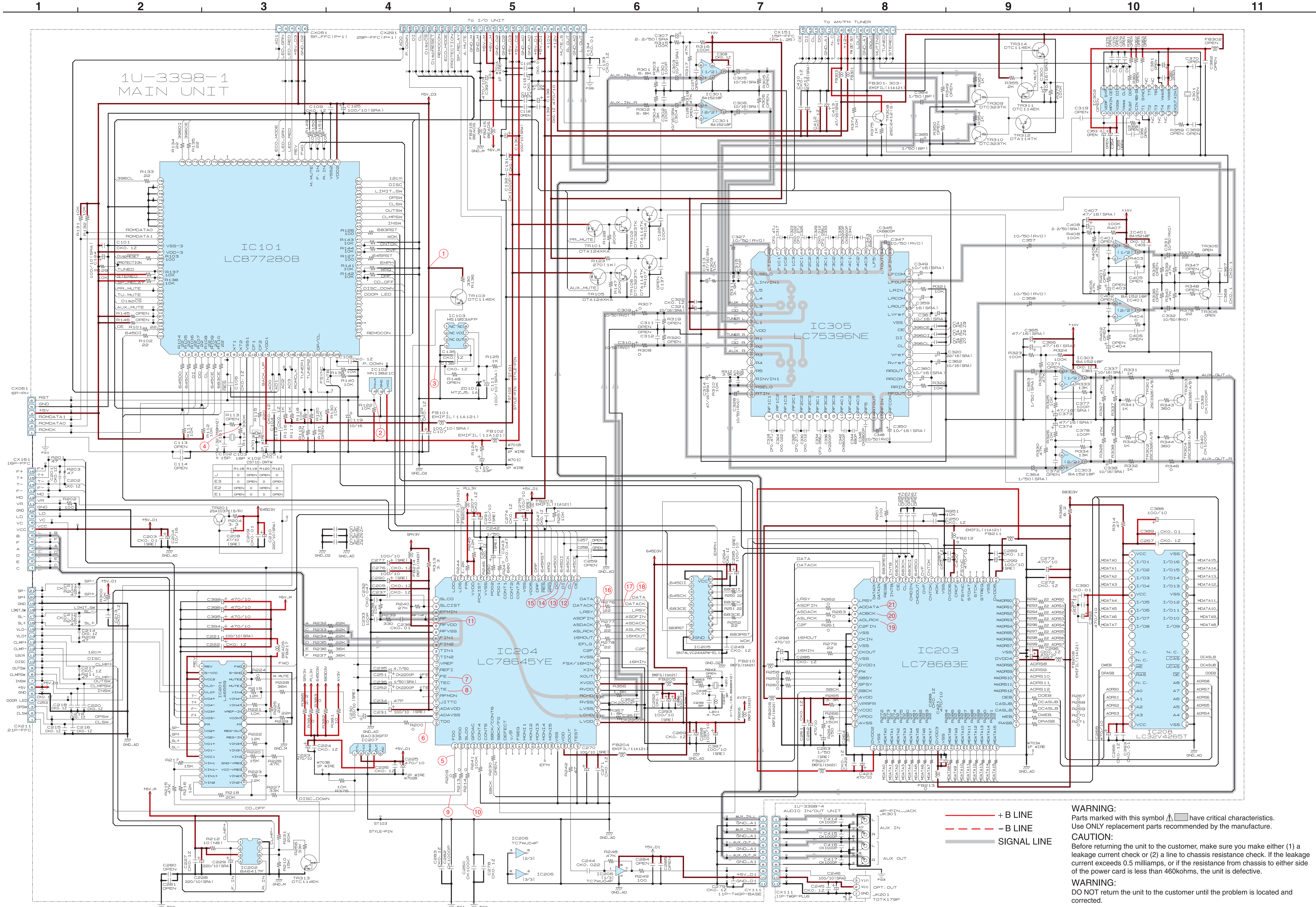
MP3 PLAY



CD STOP → PLAY



SCHEMATIC DIAGRAMS (1/6)



WARNING:
Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:
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WARNING:
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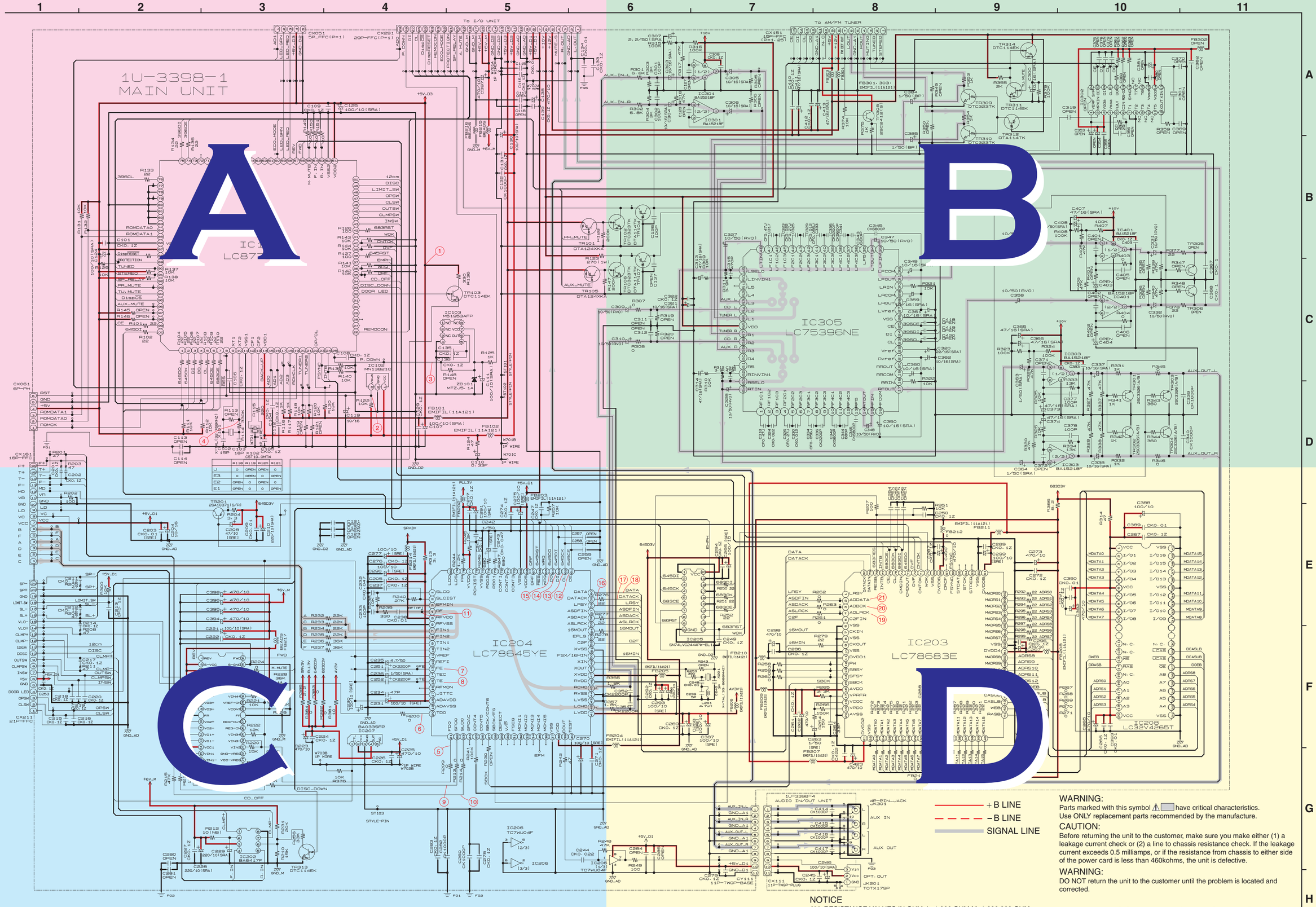
NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

SCHEMATIC DIAGRAMS (1/6)
1U-3398S CD-TUNER P.W.B. Ass'y (1/2)
1U-3398-1MAIN UNIT
1U-3398-4 AUDIO IN/OUT UNIT

SCHEMATIC DIAGRAMS (1/6)



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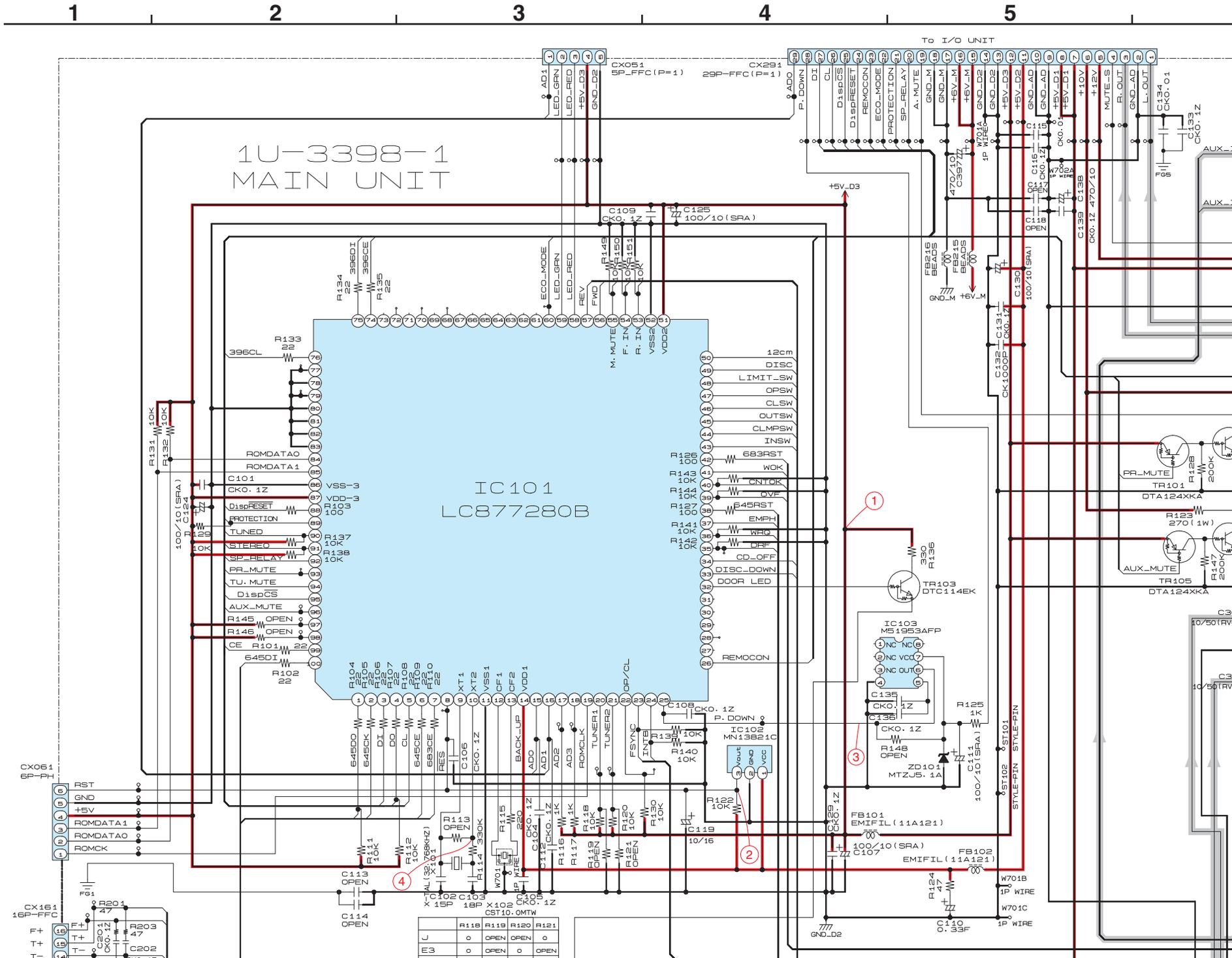
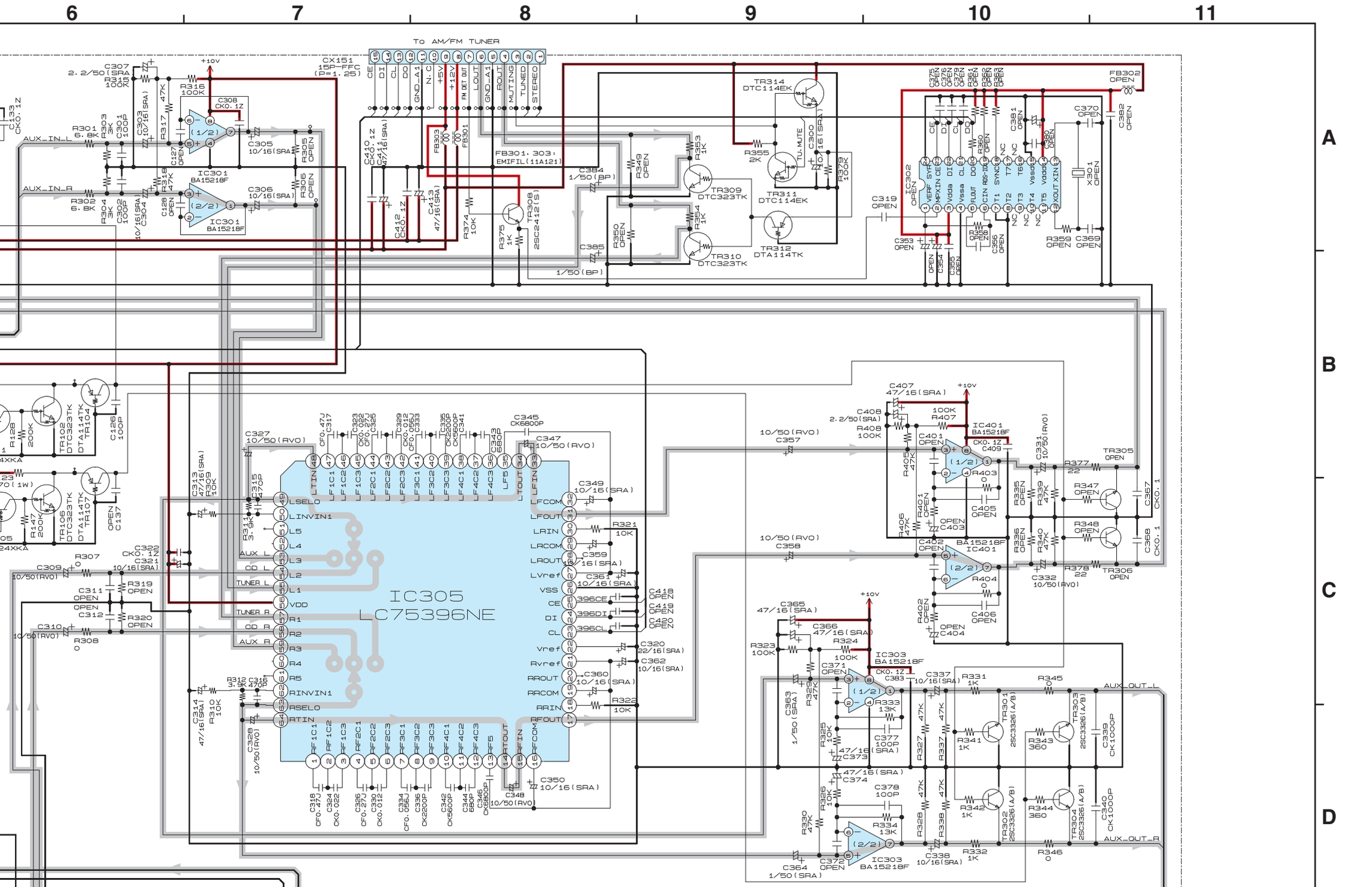
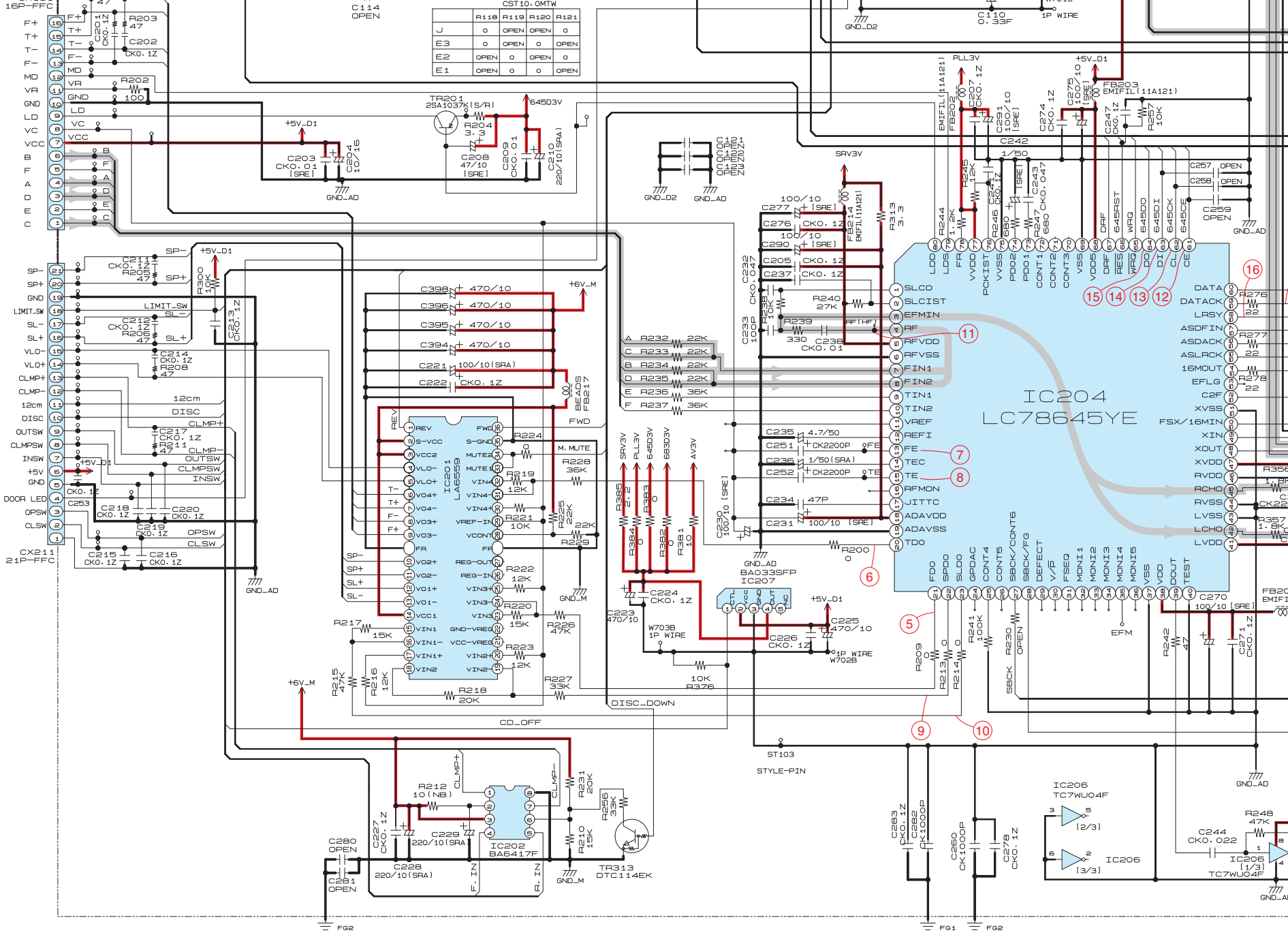
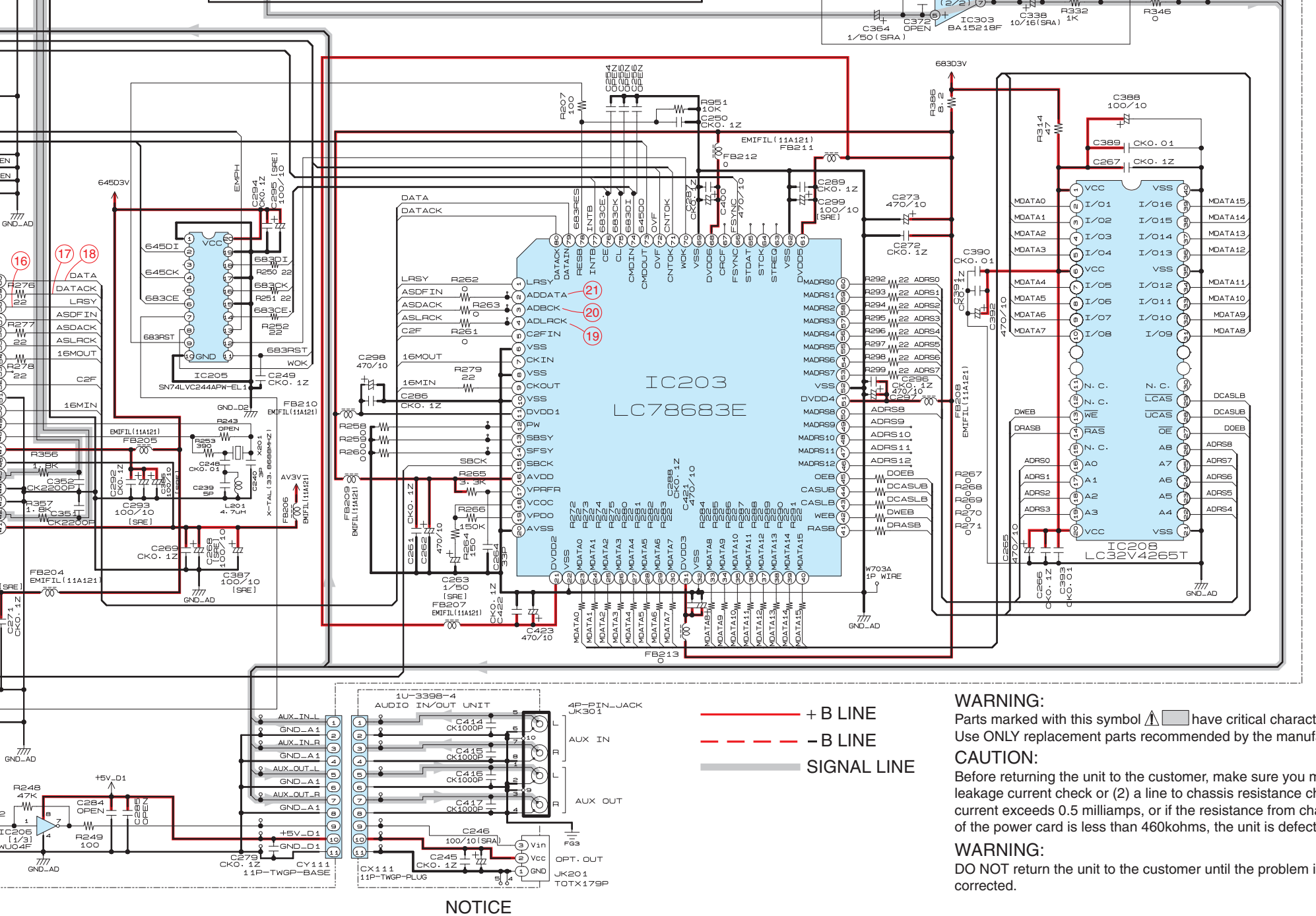
SCHEMATIC DIAGRAMS (1/6)
1U-3398S CD-TUNER P.W.B. Ass'y (1/2)
1U-3398-1MAIN UNIT
1U-3398-4 AUDIO IN/OUT UNIT

SCHEMATIC DIAGRAMS (1/6)




6
7
8
9
10
11
A
B
C
D
To AM/FM TUNER
CX151
15P-FFC
(P=1.25)
CE
DI
CL
DO
GND_A1
N. C
+5V
+12V
FM DET OUT
LOUT
GND_A1
ROUT
MUTING
TUNED
STEREO
+10V
AUX_IN_L
AUX_IN_R
IC301
BA15218F
(1/2)
(2/2)
FB301: 303:
EMIFIL(11A121)
TR314
DTC114EK
TR309
DTC323TK
TR311
DTC114EK
TR310
DTC323TK
TR312
DTA114TK
TR308
2SC2412(S)
IC302
IC305
LC75396NE
LTIN
LF1C1
LF1C2
LF1C3
LF2C1
LF2C2
LF2C3
LF3C1
LF3C2
LF3C3
LF4C1
LF4C2
LF4C3
LF5
LTOUT
LFIN
LSELO
LINVIN1
L5
L4
L3
L2
L1
VDD
R1
R2
R3
R4
R5
RINVIN1
RSELO
RTIN
RF1C1
RF1C2
RF1C3
RF2C1
RF2C2
RF2C3
RF3C1
RF3C2
RF3C3
RF4C1
RF4C2
RF4C3
RF5
RTOUT
RFIN
RFCOM
LFCOM
LFOUT
LRIN
LRCOM
LROUT
LVref
VSS
CE
DI
CL
Vref
Rvref
RROUT
RRCOM
RRIN
RFOUT
AUX L
CD L
TUNER L
CD R
TUNER R
AUX R
396CE
396DI
396CL
IC401
IC303
AUX_OUT_L
AUX_OUT_R
TR301
TR302
TR303
TR304
TR305
TR306
2SC3326(A/B)


IC204
LC78645YE
IC201
LA6559
IC202
BA6417F
IC207
BA033SFP
IC206
TC7WU04F
CST10.0MTW
R118 R119 R120 R121
L 0 OPEN OPEN 0
E3 0 OPEN 0 OPEN
E2 OPEN 0 OPEN 0
E1 OPEN 0 0 OPEN
CX211
21P-FFC
16P-FFC
TR201
2SA1037K(S/R)
TR313
DTC114EK
ST103
STYLE-PIN
W703B
1P WIRE
W702B
GND_AD
GND_M
GND_D2
FG1
FG2
+5V_D1
+6V_M
SRV3V
PLL3V
AV3V
64503V
68303V
DISC_DOWN
CD_OFF
EFM



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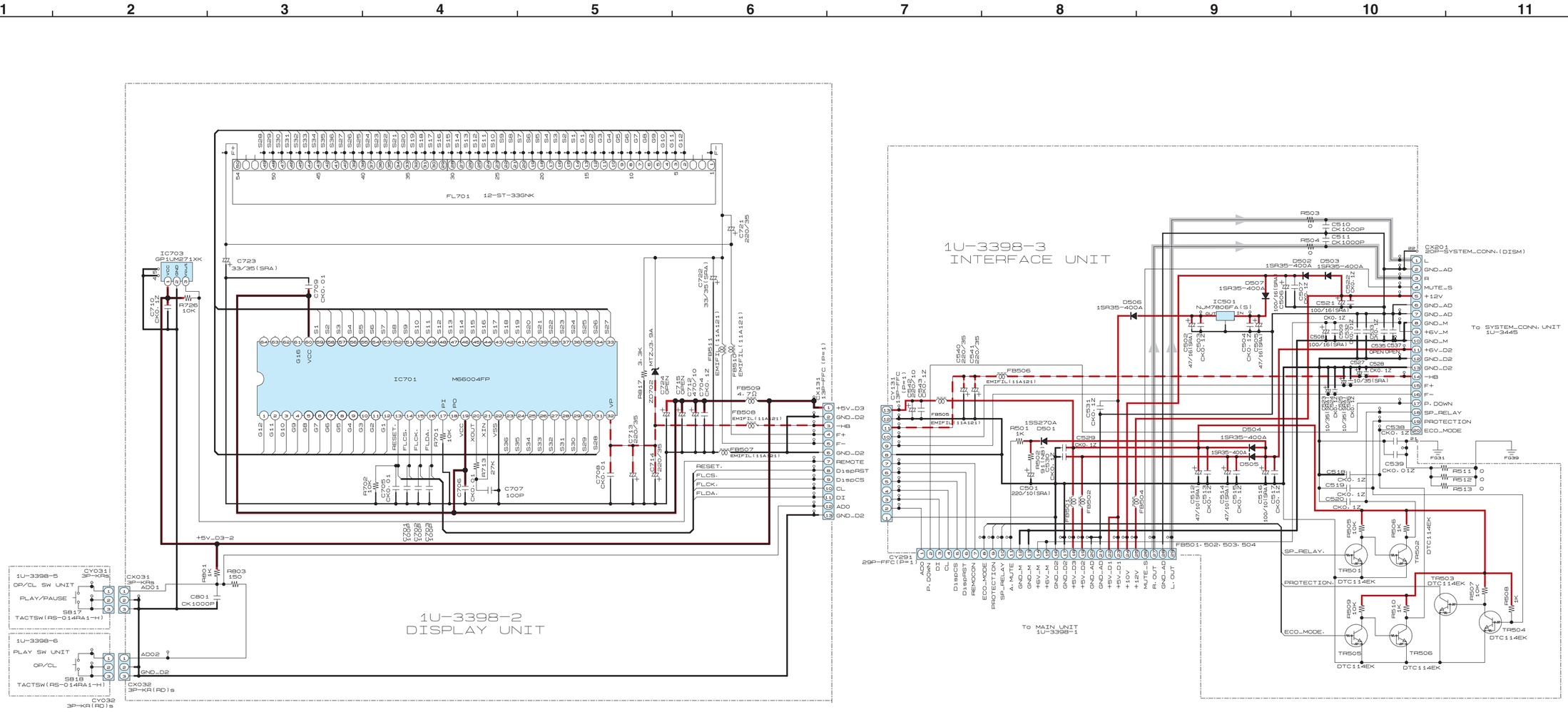
SCHEMATIC DIAGRAMS (1/6)

1U-3398S CD-TUNER P.W.B. Ass'y (1/2)
1U-3398-1MAIN UNIT
1U-3398-4 AUDIO IN/OUT UNIT

SCHEMATIC DIAGRAMS (2/6)



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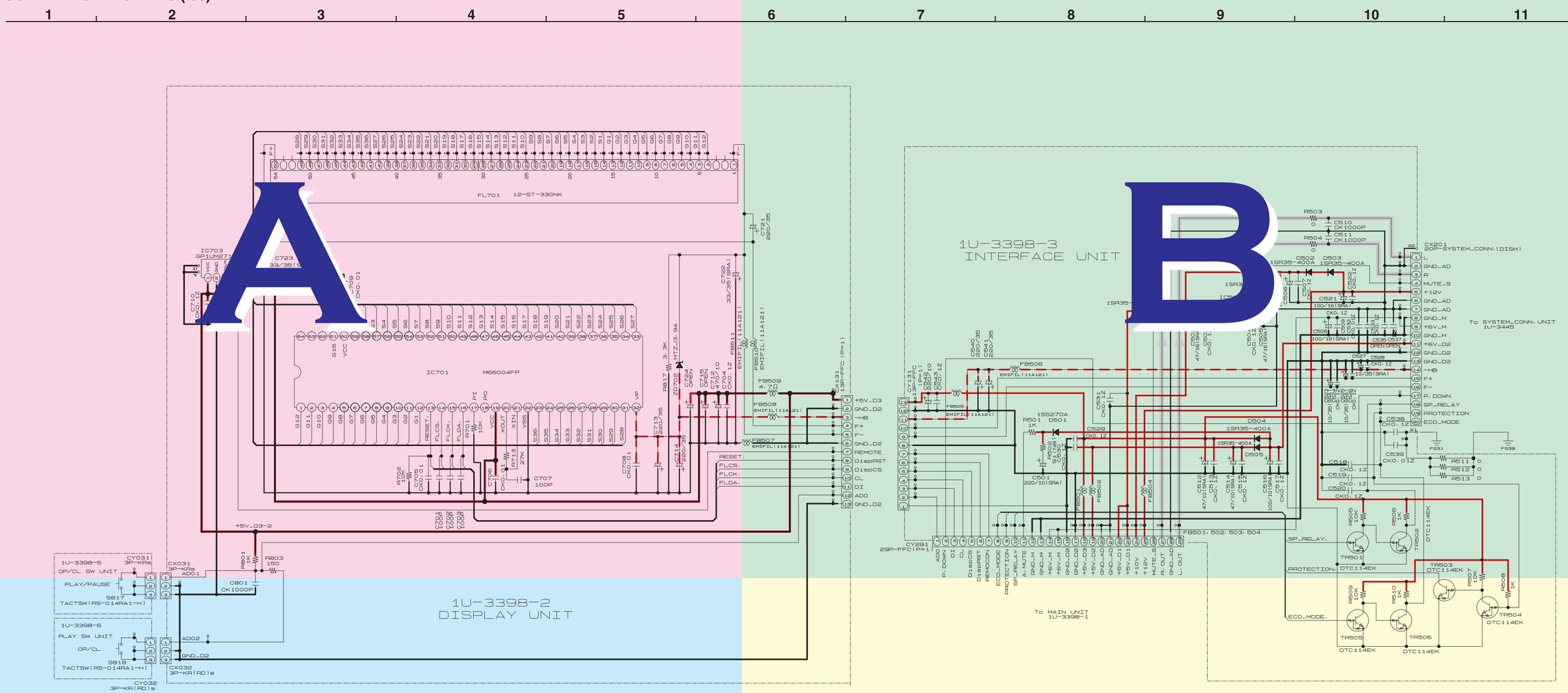
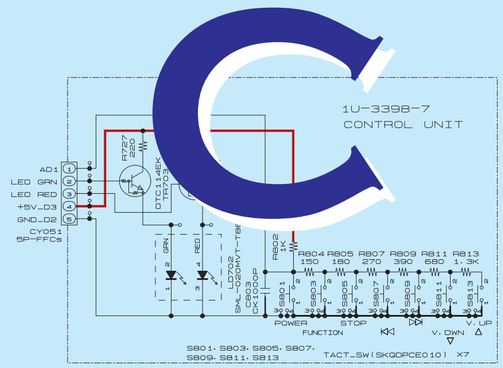
+ B LINE
– B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS (2/6)

1U-3398S CD-TUNER P.W.B. Ass'y (2/2)
1U-3398-2 DISPLAY UNIT
1U-3398-3 INTERFACE UNIT
1U-3398-7 CONTROL UNIT

SCHEMATIC DIAGRAMS (2/6)





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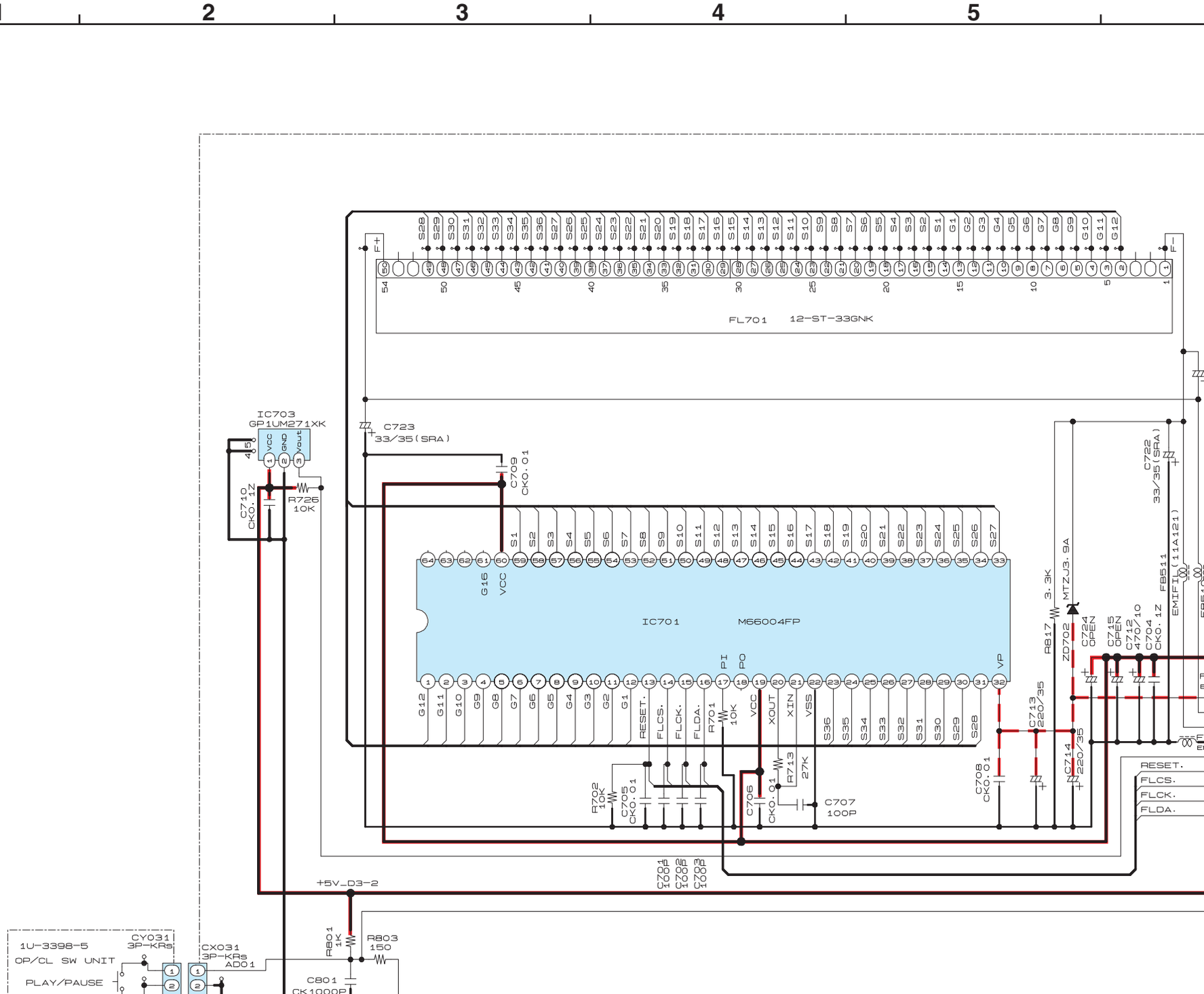
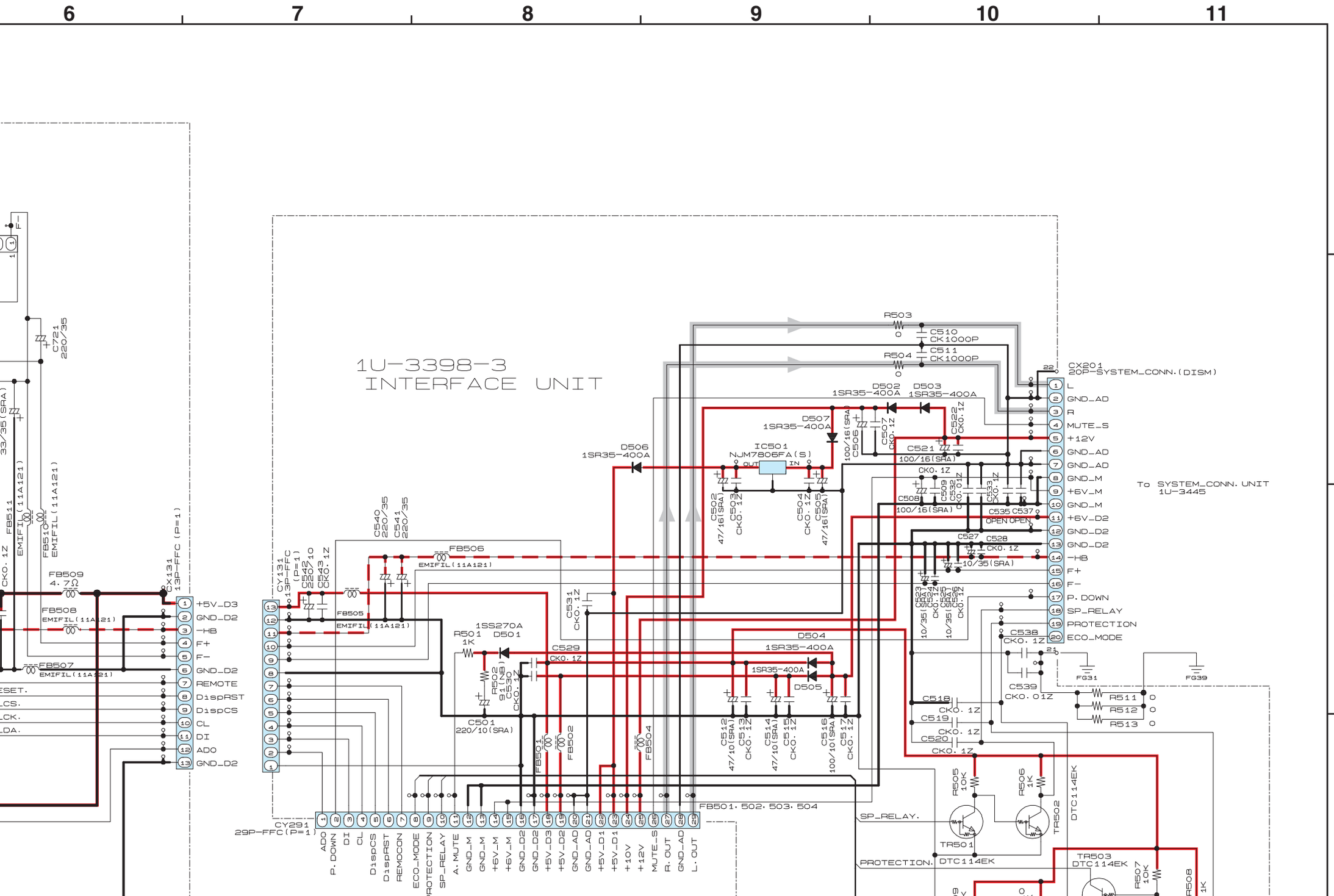
+B LINE
–B LINE
SIGNAL LINE

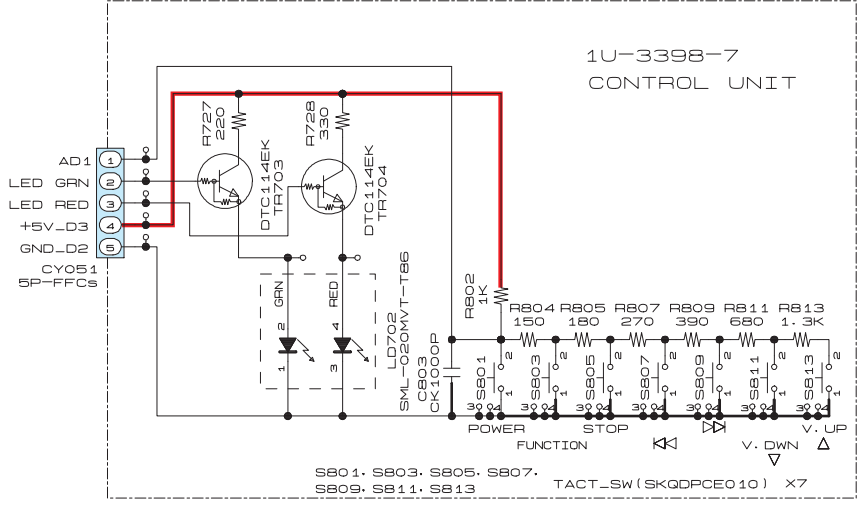
SCHEMATIC DIAGRAMS (2/6)

1U-3398S CD-TUNER P.W.B. Ass'y (2/2)
1U-3398-2 DISPLAY UNIT
1U-3398-3 INTERFACE UNIT
1U-3398-7 CONTROL UNIT

SCHEMATIC DIAGRAMS (2/6)

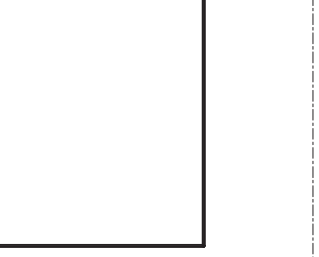


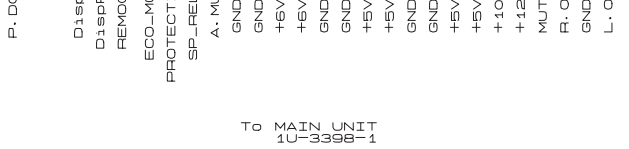

6
7
8
9
10
11
A
B
C
D
1U-3398-3
INTERFACE UNIT
CX201
20P-SYSTEM_CONN.(DISM)
To SYSTEM_CONN. UNIT
1U-3445
CY131
13P-FFC (P=1)
CY291
29P-FFC(P=1)
IC501
NJM7806FA(S)
TR501
TR502
TR503
DTC114EK
SP_RELAY.
PROTECTION.
FB501. 502. 503. 504
FB505
FB506
FB507
FB508
FB509
FB510
FB511
EMIFIL(11A121)
D501
1SS270A
D502
D503
D504
D505
D506
D507
1SR35-400A
FG31
FG39

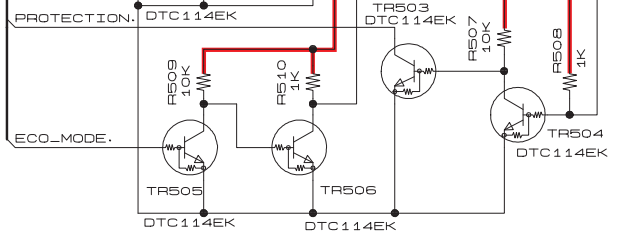


NOTICE

ALL RESISTANCE VALUES IN OHM. k=
ALL CAPACITANCE VALUES IN MICRO
EACH VOLTAGE AND CURRENT ARE
CONDITION.
CIRCUIT AND PARTS ARE SUBJECT T
NOTICE.







OHM. k=1,000 OHM M=1,000,000 OHM
N MICRO FARAD. P=MICRO-MICRO FARAD
NT ARE MEASUERD AT MO SIGNAL INPUT

BJECT TO CHANGE WITHOUT PRIOR

WARNING:
Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

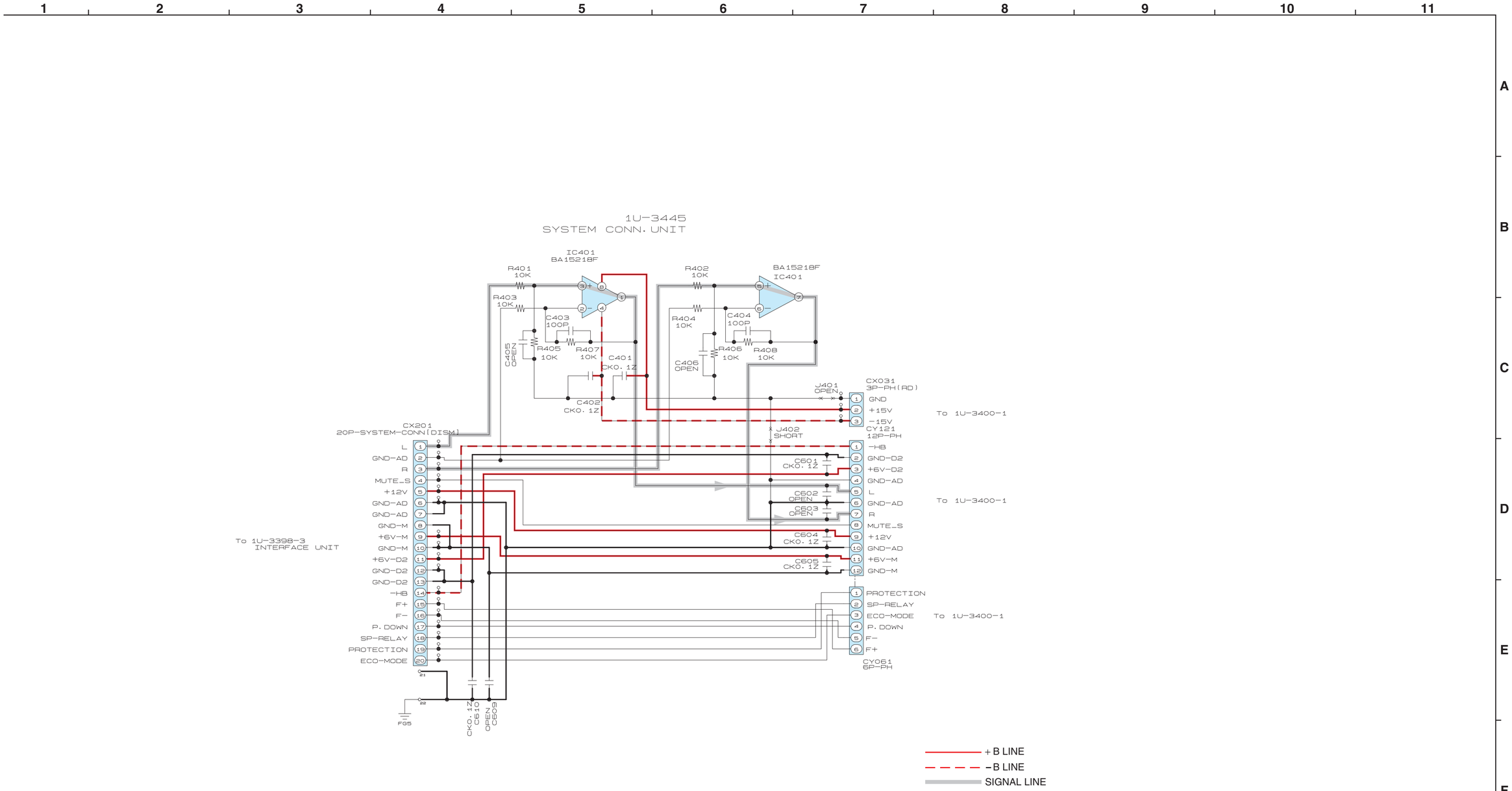
+ B LINE
– B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS (2/6)

1U-3398S CD-TUNER P.W.B. Ass'y (2/2)
1U-3398-2 DISPLAY UNIT
1U-3398-3 INTERFACE UNIT
1U-3398-7 CONTROL UNIT

E
F
G
H

SCHEMATIC DIAGRAMS (3/6)



NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
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WARNING:

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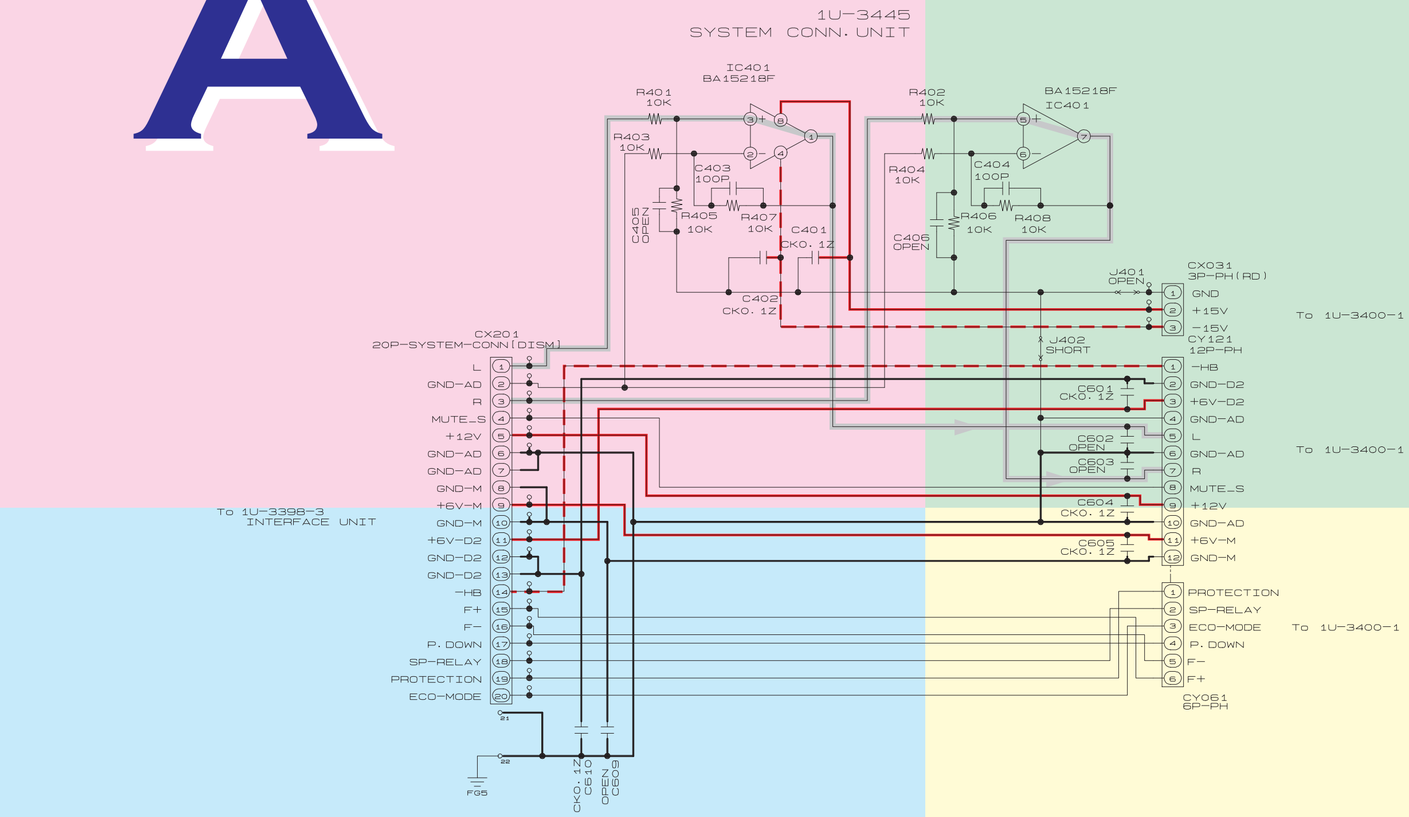
SCHEMATIC DIAGRAMS (3/6)

1U-3445 I/F UNIT
1U-3445 SYSTEM CONN. UNIT

SCHEMATIC DIAGRAMS (3/6)

1 2 3 4 5 6 7 8 9 10 11

A B C D



+B LINE
-B LINE
SIGNAL LINE

NOTICE

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ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
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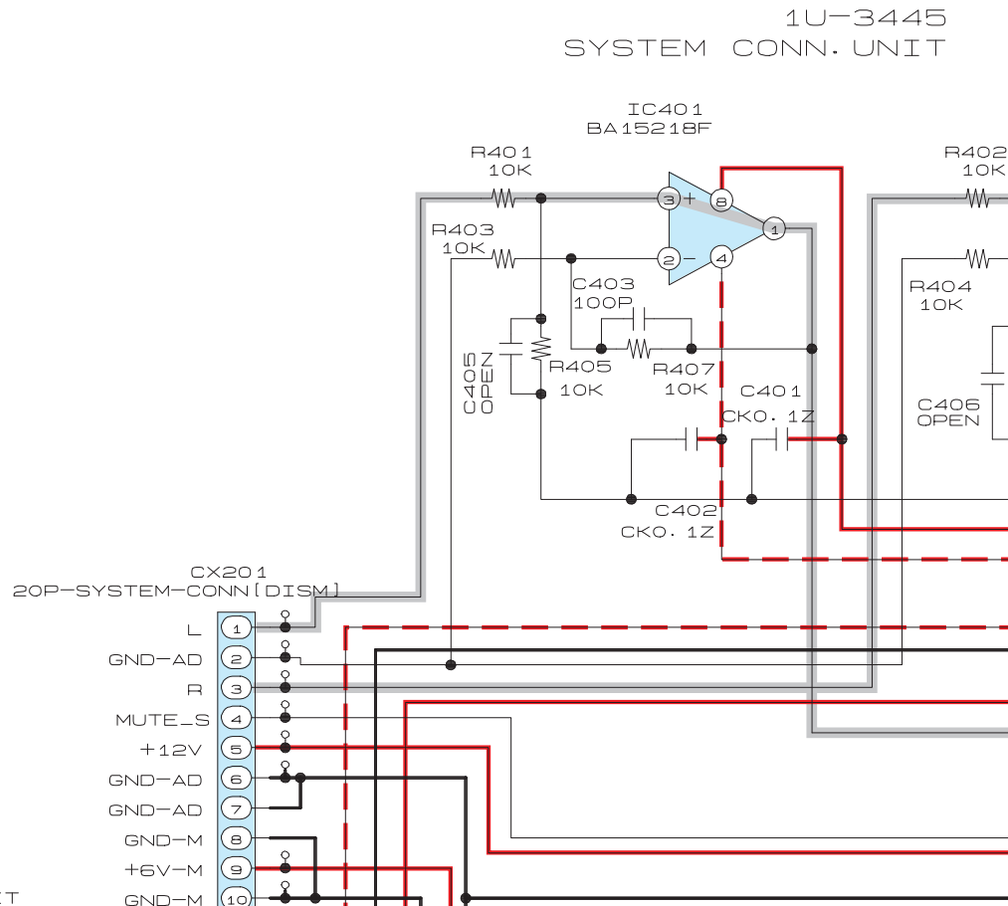
SCHEMATIC DIAGRAMS (3/6)

1U-3445 I/F UNIT
1U-3445 SYSTEM CONN. UNIT

E F G H

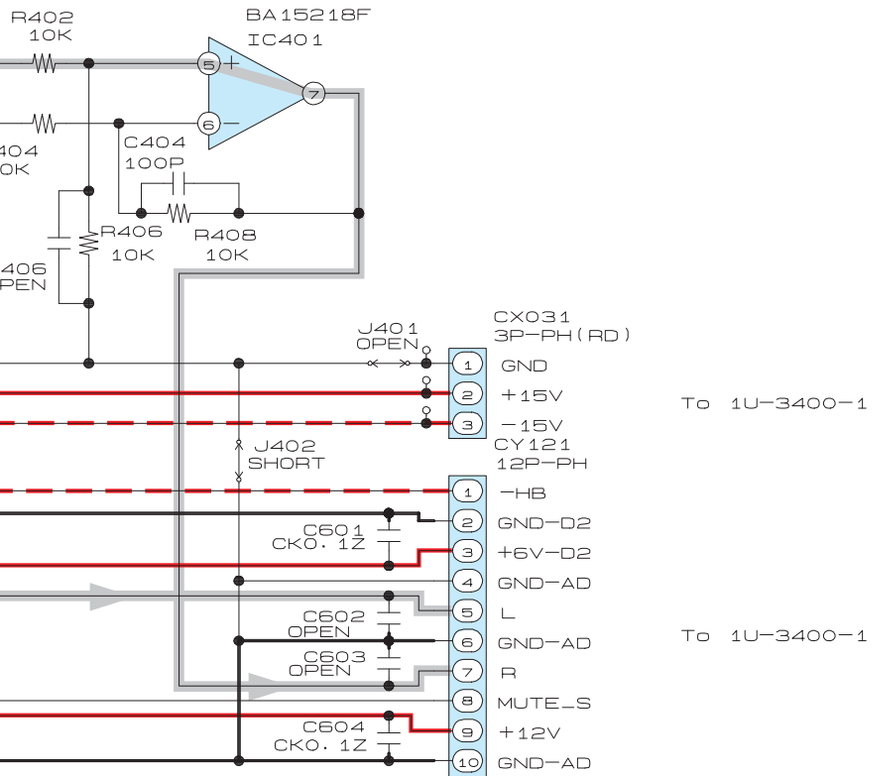
SCHEMATIC DIAGRAMS (3/6)

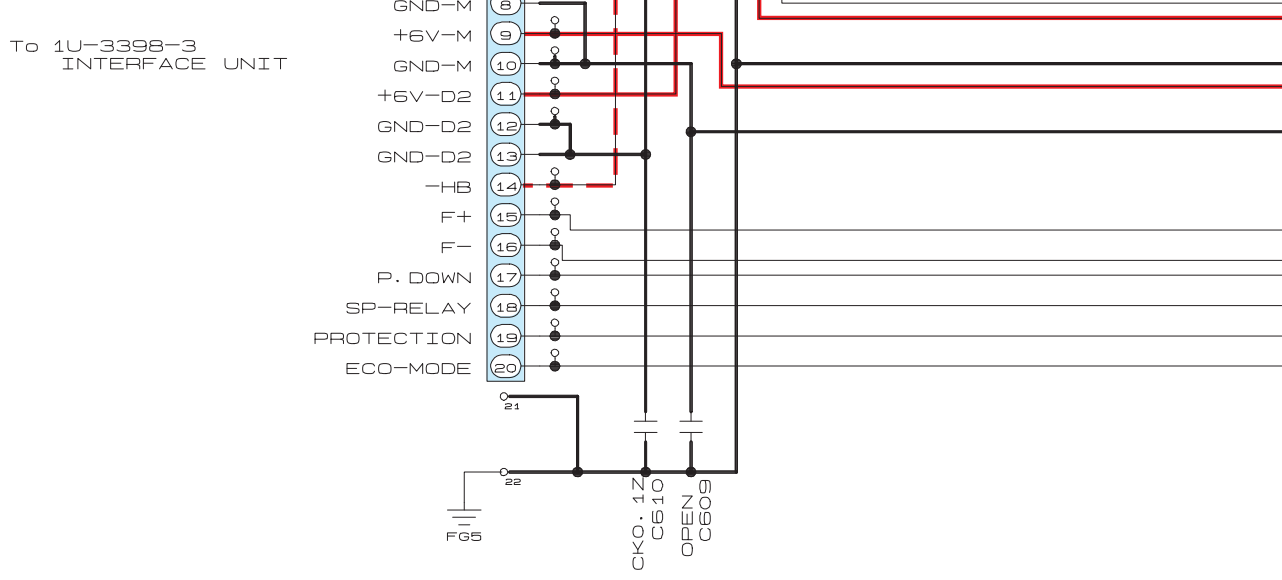
1 2 3 4 5



6 7 8 9 10 11

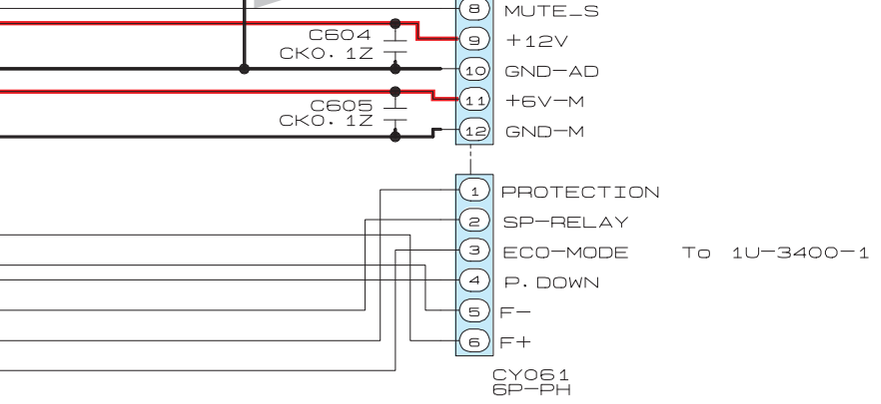
A B C D





NOTICE

ALL RESISTANCE VALUES IN OHM
ALL CAPACITANCE VALUES IN MI
EACH VOLTAGE AND CURRENT A
CONDITION.
CIRCUIT AND PARTS ARE SUBJE
NOTICE.



+ B LINE

– B LINE

SIGNAL LINE

S IN OHM. k=1,000 OHM M=1,000,000 OHM
ES IN MICRO FARAD. P=MICRO-MICRO FARAD
RRENT ARE MEASUERD AT MO SIGNAL INPUT

E SUBJECT TO CHANGE WITHOUT PRIOR

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WARNING:
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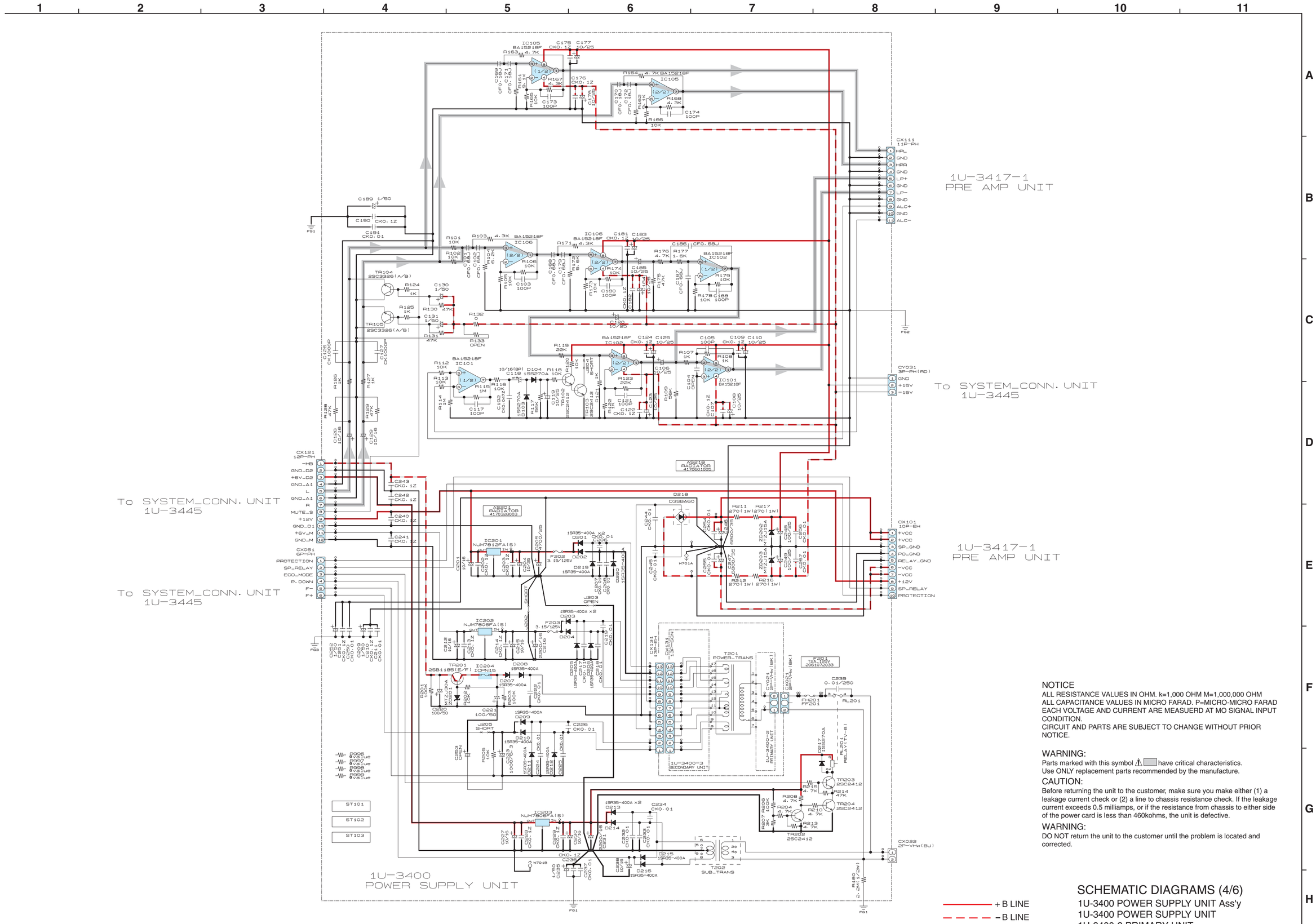
SCHEMATIC DIAGRAMS (3/6)

1U-3445 I/F UNIT
1U-3445 SYSTEM CONN. UNIT

E
F
G
H

SCHEMATIC DIAGRAMS (4/6)



NOTICE
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WARNING:
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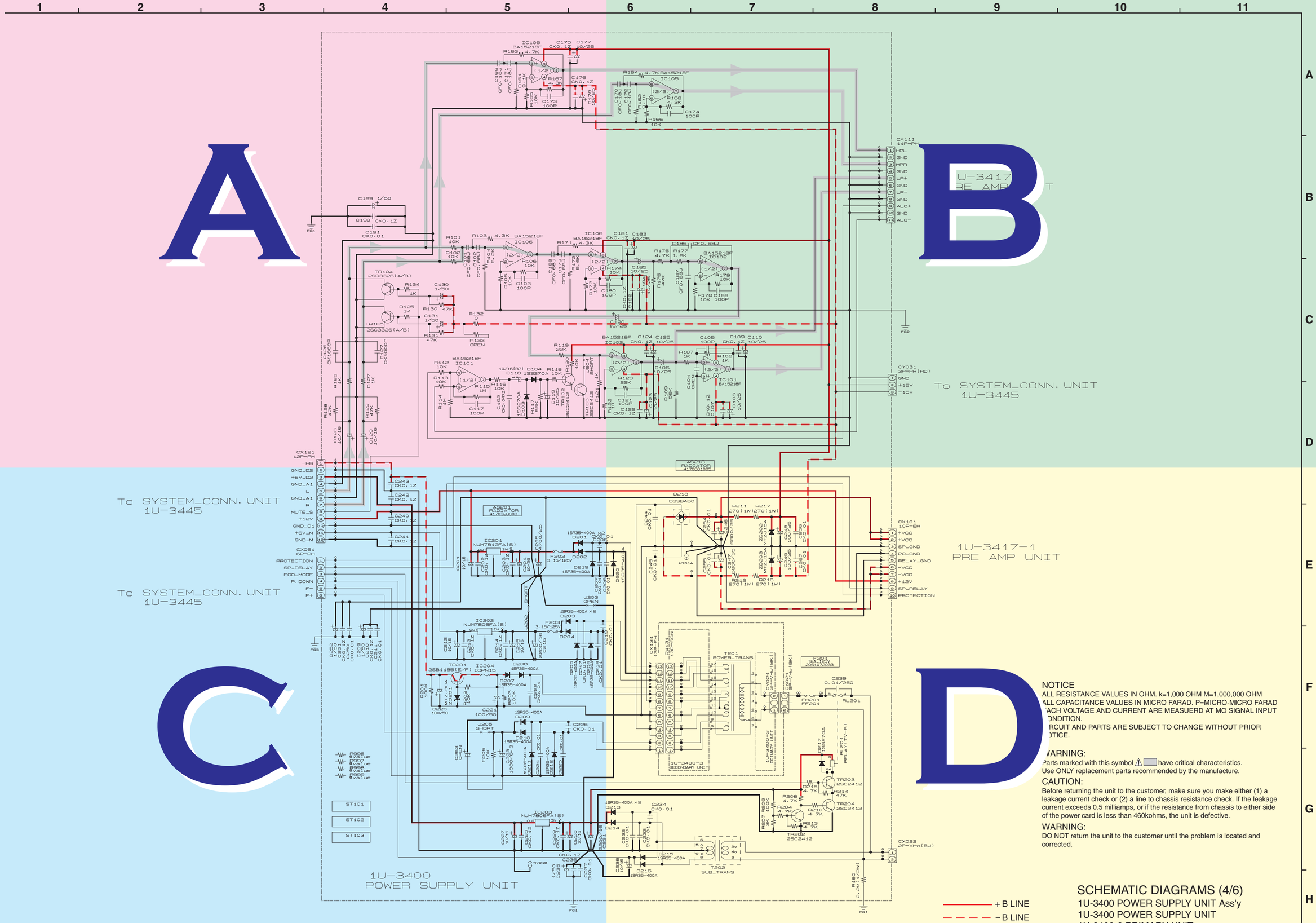
+ B LINE
– B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS (4/6)
1U-3400 POWER SUPPLY UNIT Ass'y
1U-3400 POWER SUPPLY UNIT
1U-3400-2 PRIMARY UNIT
1U-3400-3 SECONDARY UNIT

SCHEMATIC DIAGRAMS (4/6)



NOTICE

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ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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CAUTION:

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WARNING:

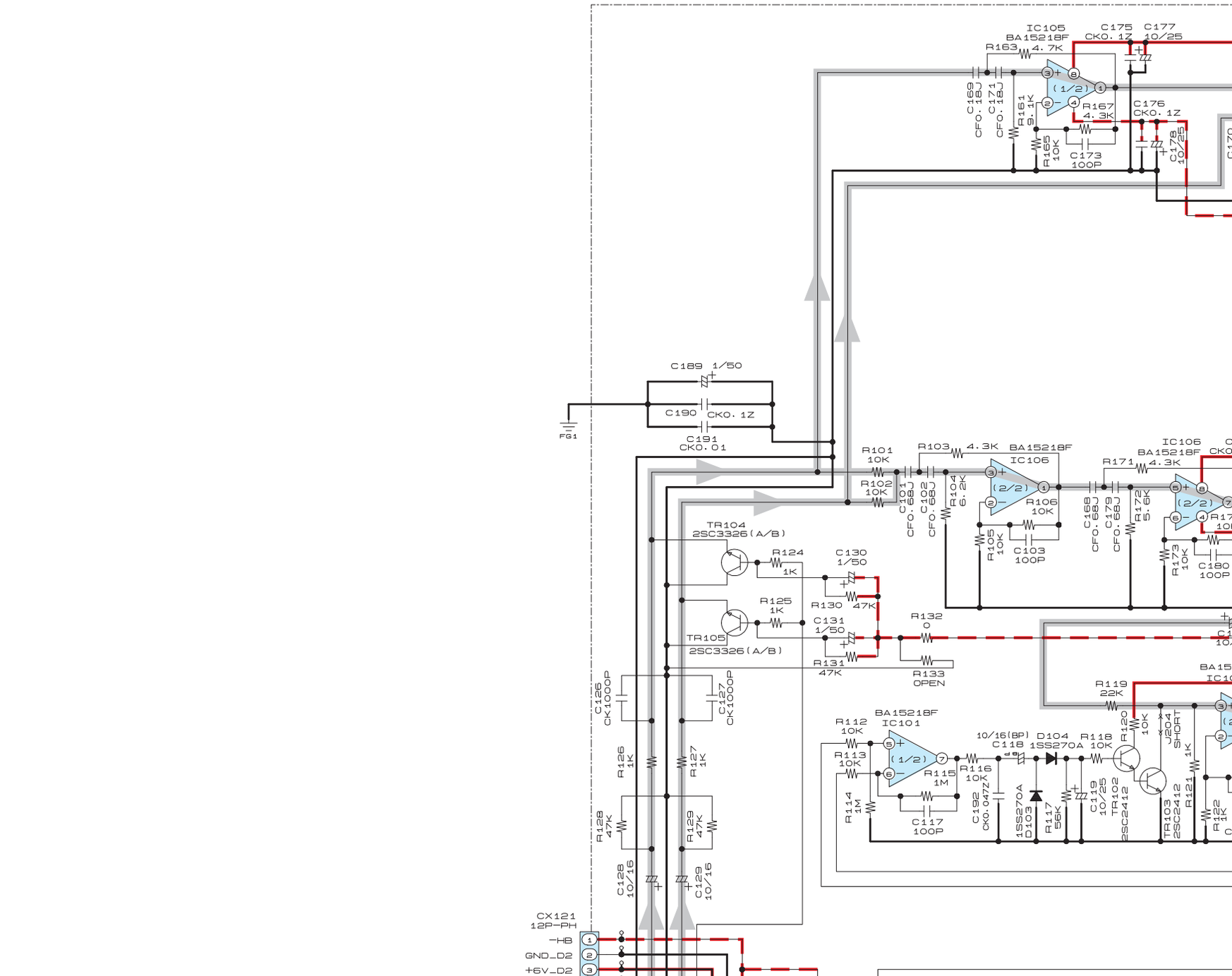
DO NOT return the unit to the customer until the problem is located and corrected.

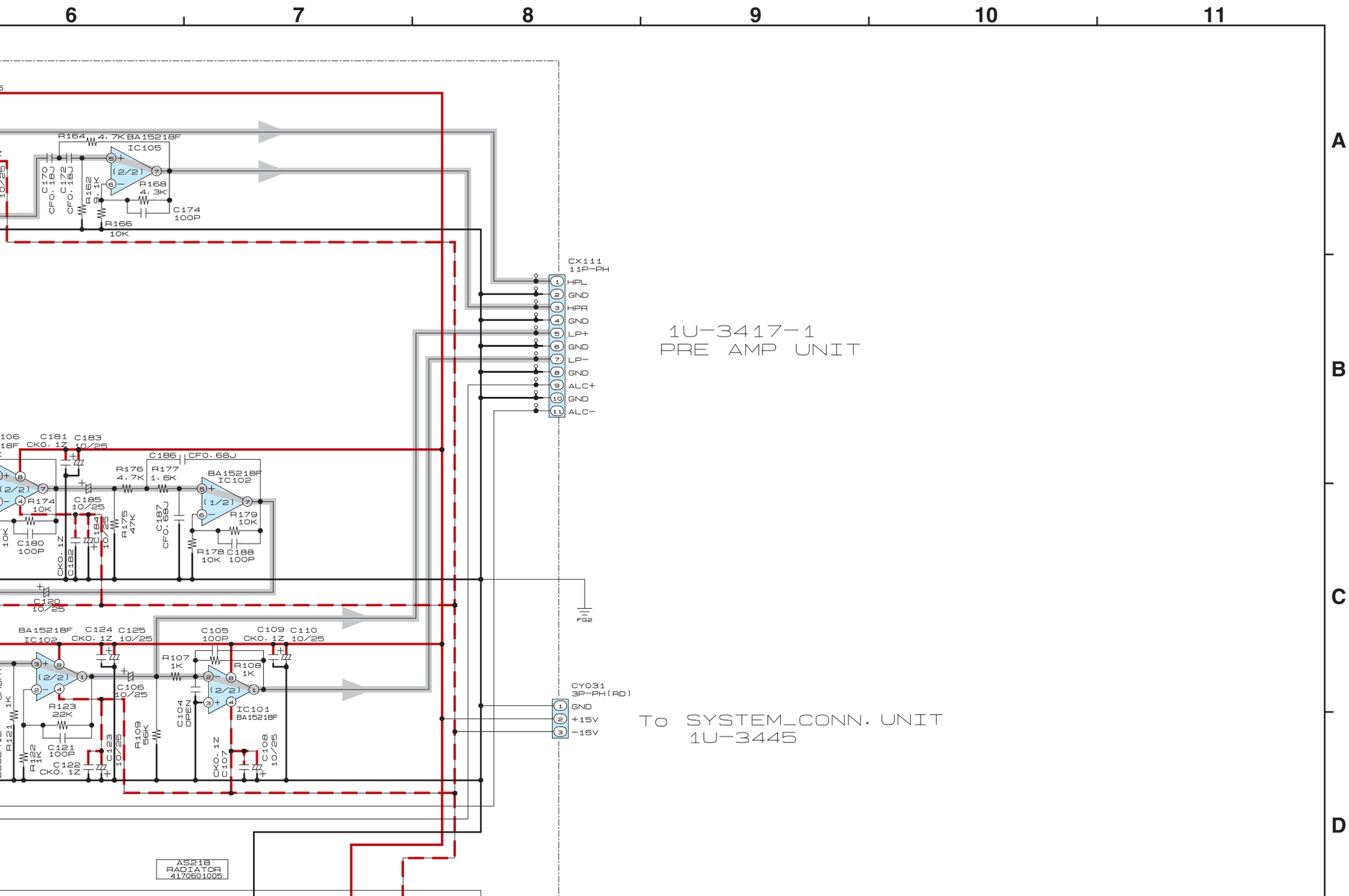
+ B LINE
– B LINE
SIGNAL LINE

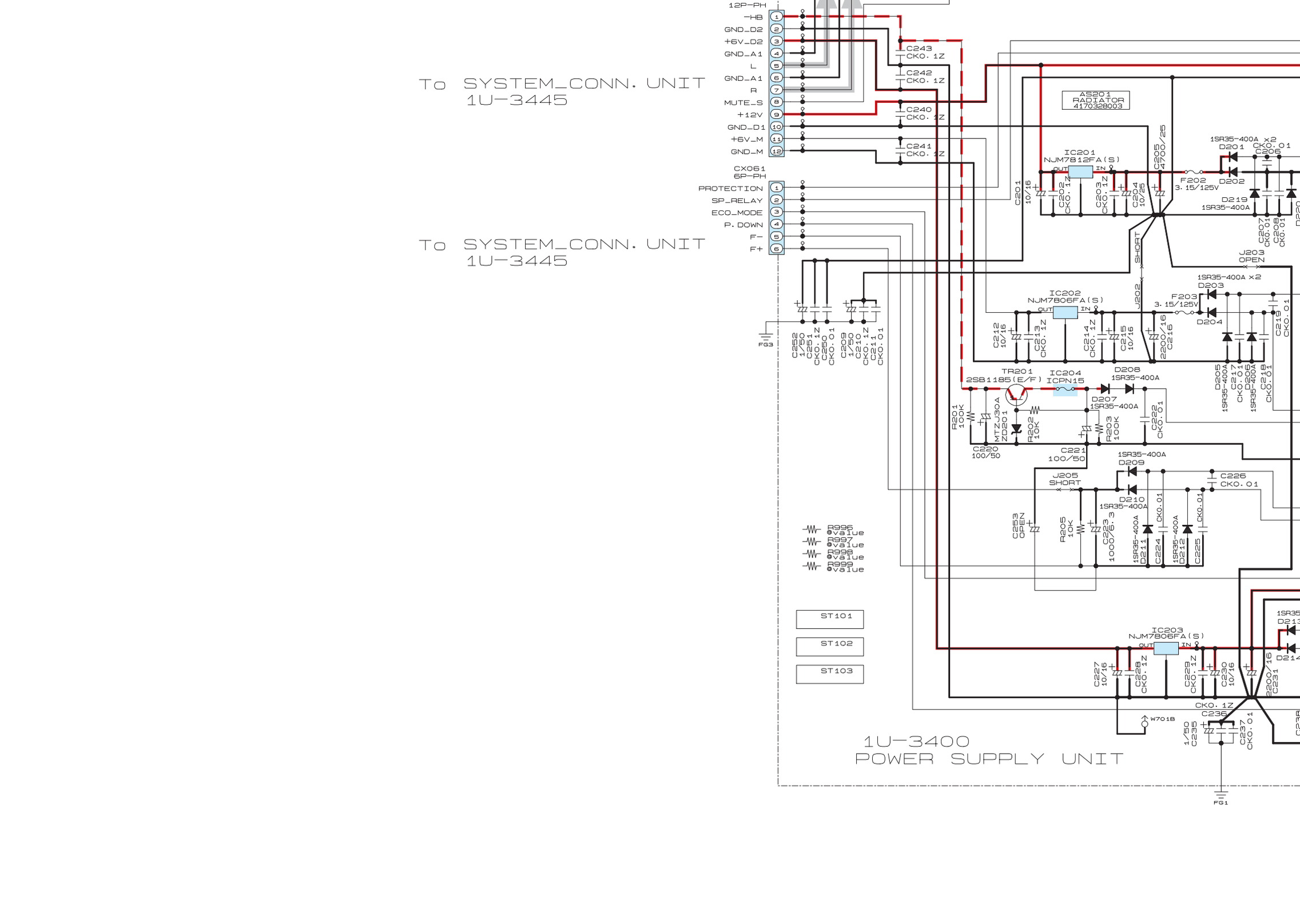
SCHEMATIC DIAGRAMS (4/6)
1U-3400 POWER SUPPLY UNIT Ass'y
1U-3400 POWER SUPPLY UNIT
1U-3400-2 PRIMARY UNIT
1U-3400-3 SECONDARY UNIT

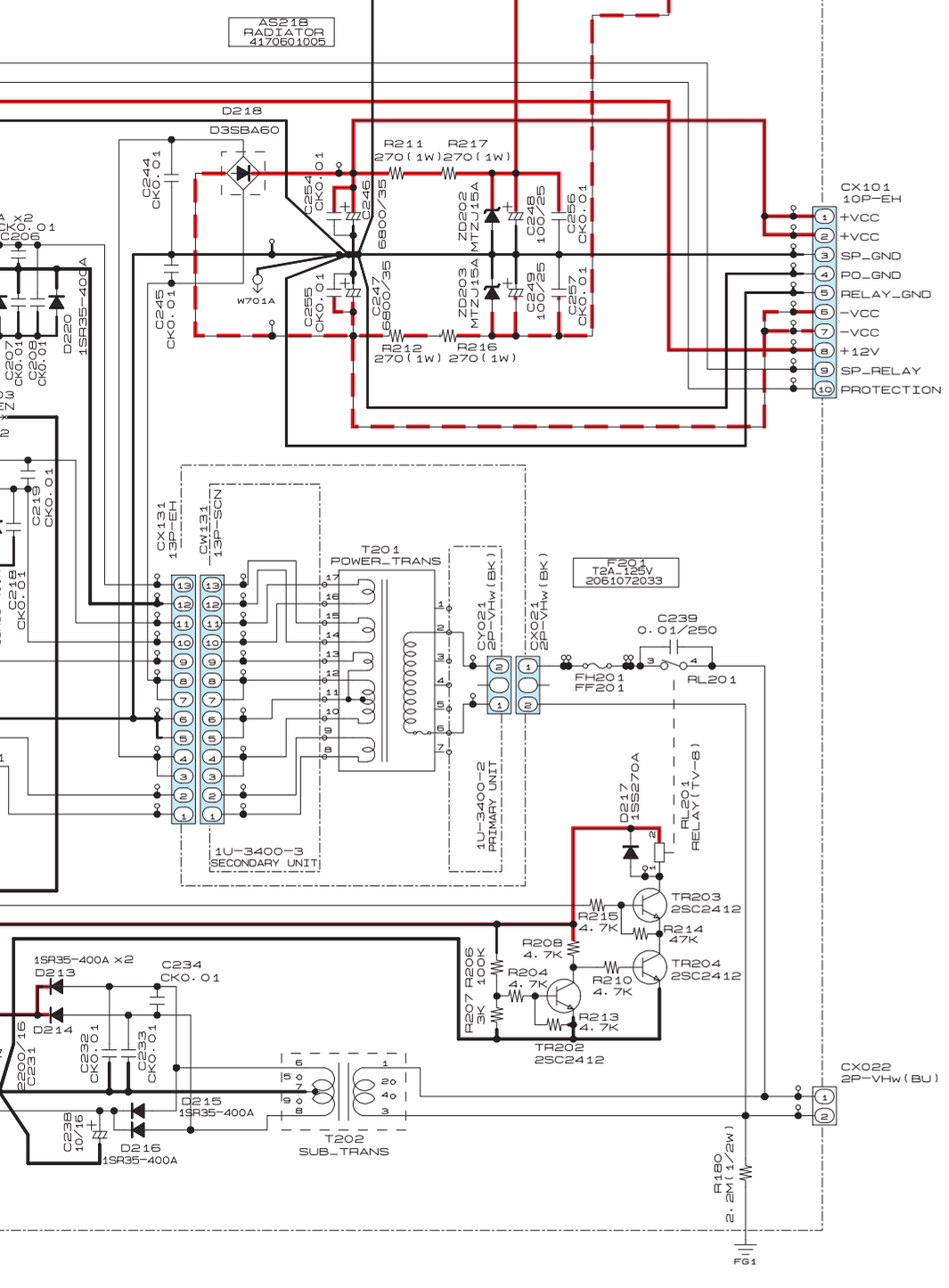
SCHEMATIC DIAGRAMS (4/6)

1 2 3 4 5




6
7
8
9
10
11
A
B
C
D
R164 4.7K BA15218F
IC105
(2/2)
R168 4.3K
C174 100P
R166 10K
C170 CFO.18J
C172 CFO.18J
R162 9.1K
CX111 11P-PH
1 HPL
2 GND
3 HPR
4 GND
5 LP+
6 GND
7 LP-
8 GND
9 ALC+
10 GND
11 ALC-
1U-3417-1
PRE AMP UNIT
C181 CKO.1Z
C183 10/25
C186 CFO.68J
R176 4.7K
R177 1.6K
BA15218F
IC102
(1/2)
R179 10K
C185 10/25
R175 47K
C187 CFO.68J
R178 10K
C188 100P
R174 10K
C180 100P
C184 10/25
C182 CKO.1Z
C120 10/25
FG2
BA15218F
IC102
(2/2)
C124 CKO.1Z
C125 10/25
C106 10/25
R123 22K
C121 100P
C122 CKO.1Z
R122 1K
R121 1K
C123 10/25
R109 56K
C105 100P
C109 CKO.1Z
C110 10/25
R107 1K
R108 1K
(2/2)
IC101
BA15218F
C104 OPEN
C107 CKO.1Z
C108 10/25
CY031 3P-PH(RD)
1 GND
2 +15V
3 -15V
To SYSTEM_CONN. UNIT
1U-3445
AS218
RADIATOR
4170501005


To SYSTEM_CONN. UNIT 1U-3445
To SYSTEM_CONN. UNIT 1U-3445
12P-PH
-HB
GND_D2
+6V_D2
GND_A1
L
GND_A1
R
MUTE_S
+12V
GND_D1
+6V_M
GND_M
CX061 6P-PH
PROTECTION
SP_RELAY
ECO_MODE
P. DOWN
F-
F+
C243 CKO. 1Z
C242 CKO. 1Z
C240 CKO. 1Z
C241 CKO. 1Z
AS201 RADIATOR 4170328003
IC201 NJM7812FA(S)
IC202 NJM7806FA(S)
IC203 NJM7806FA(S)
IC204 ICPN15
TR201 2SB1185(E/F)
D201 1SR35-400A x2
D202
D203 1SR35-400A x2
D204
D207 1SR35-400A
D208 1SR35-400A
D209 1SR35-400A
D210 1SR35-400A
D211 1SR35-400A
D212 1SR35-400A
D213 1SR35-400A
D214
D219 1SR35-400A
D220
F202 3.15/125V
F203 3.15/125V
J202 SHORT
J203 OPEN
J205 SHORT
ZD201 MTZJ30A
R201 100K
R202 10K
R203 100K
R205 10K
R996 @value
R997 @value
R998 @value
R999 @value
ST101
ST102
ST103
W701B
FG3
FG1
1U-3400
POWER SUPPLY UNIT



1U-3417-1
PRE AMP UNIT

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
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WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

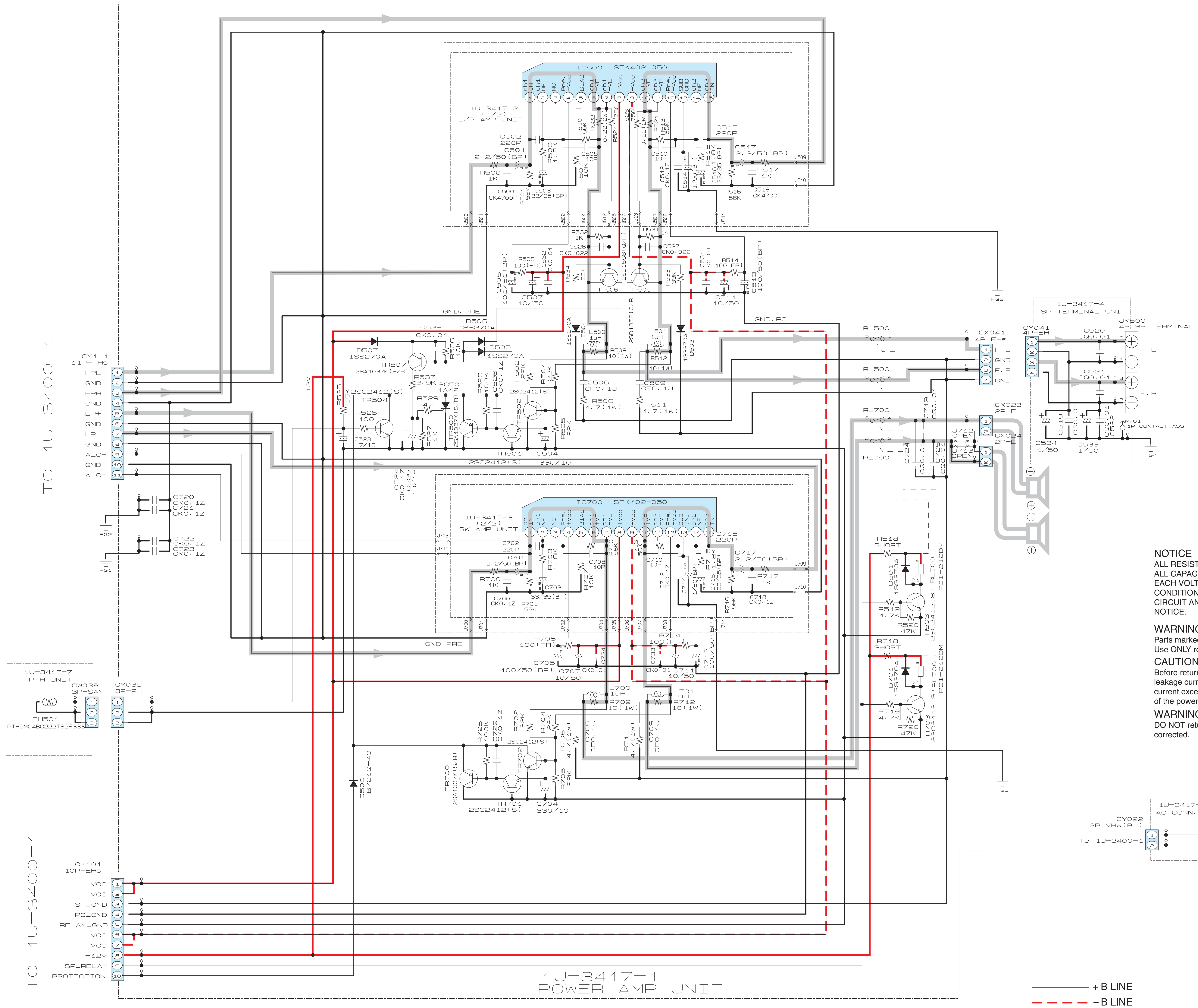
+ B LINE
– B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS (4/6)

1U-3400 POWER SUPPLY UNIT Ass'y
1U-3400 POWER SUPPLY UNIT
1U-3400-2 PRIMARY UNIT
1U-3400-3 SECONDARY UNIT

E F G H

SCHEMATIC DIAGRAMS (5/6)



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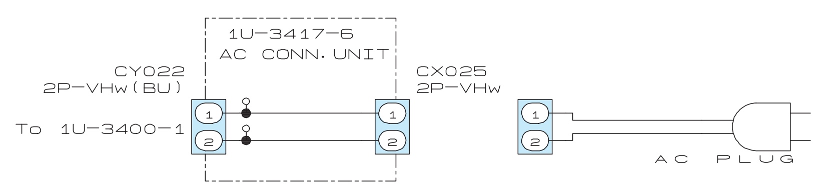


+ B LINE
– B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS (5/6)

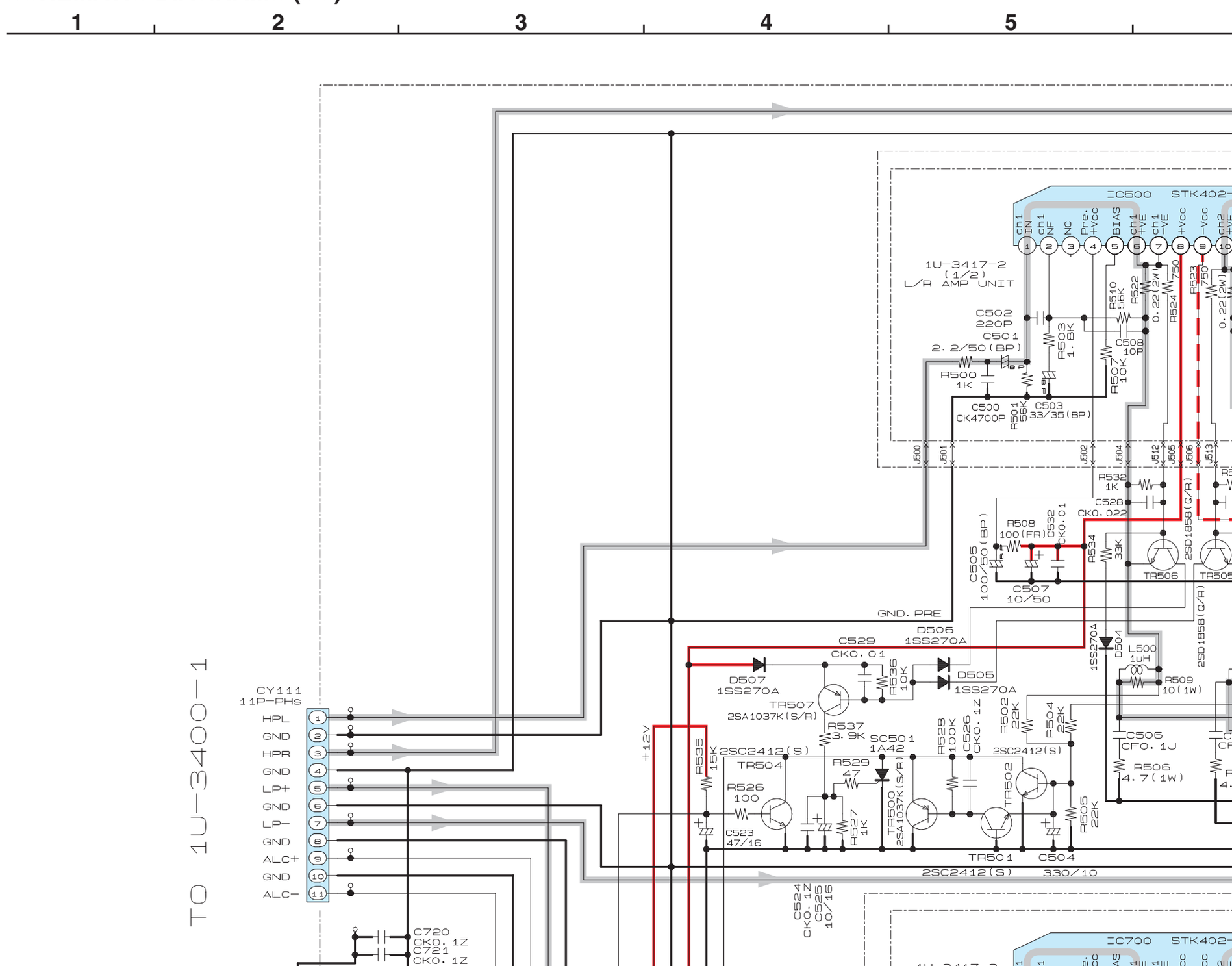
1U-3417 POWER AMP UNIT ASS'Y
1U-3417-1 POWER AMP UNIT
1U-3417-2 L/R AMP UNIT
1U-3417-3 SW AMP UNIT
1U-3417-4 SP TERMINAL UNIT
1U-3417-7 PTH UNIT

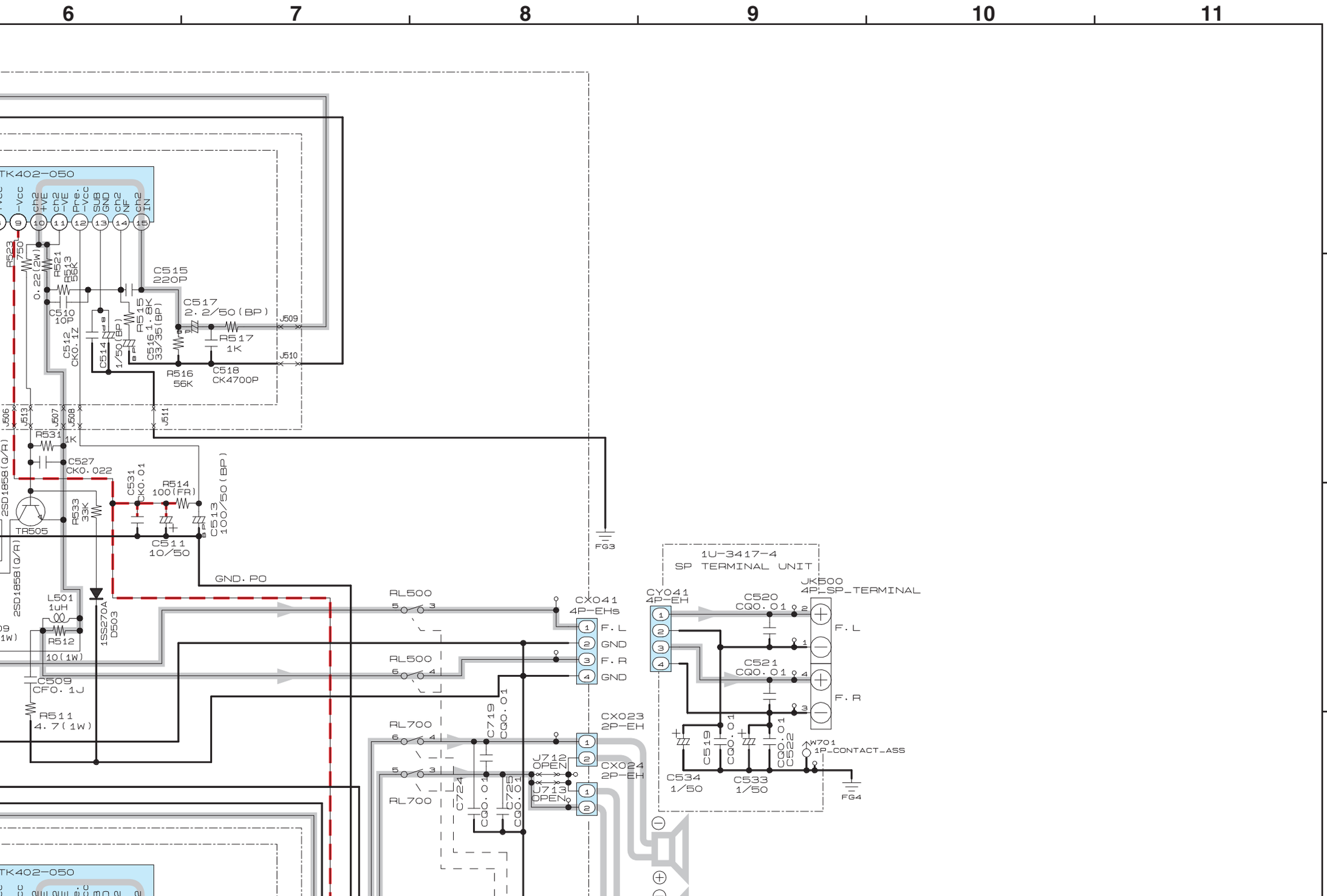
SCHEMATIC DIAGRAMS (5/6)

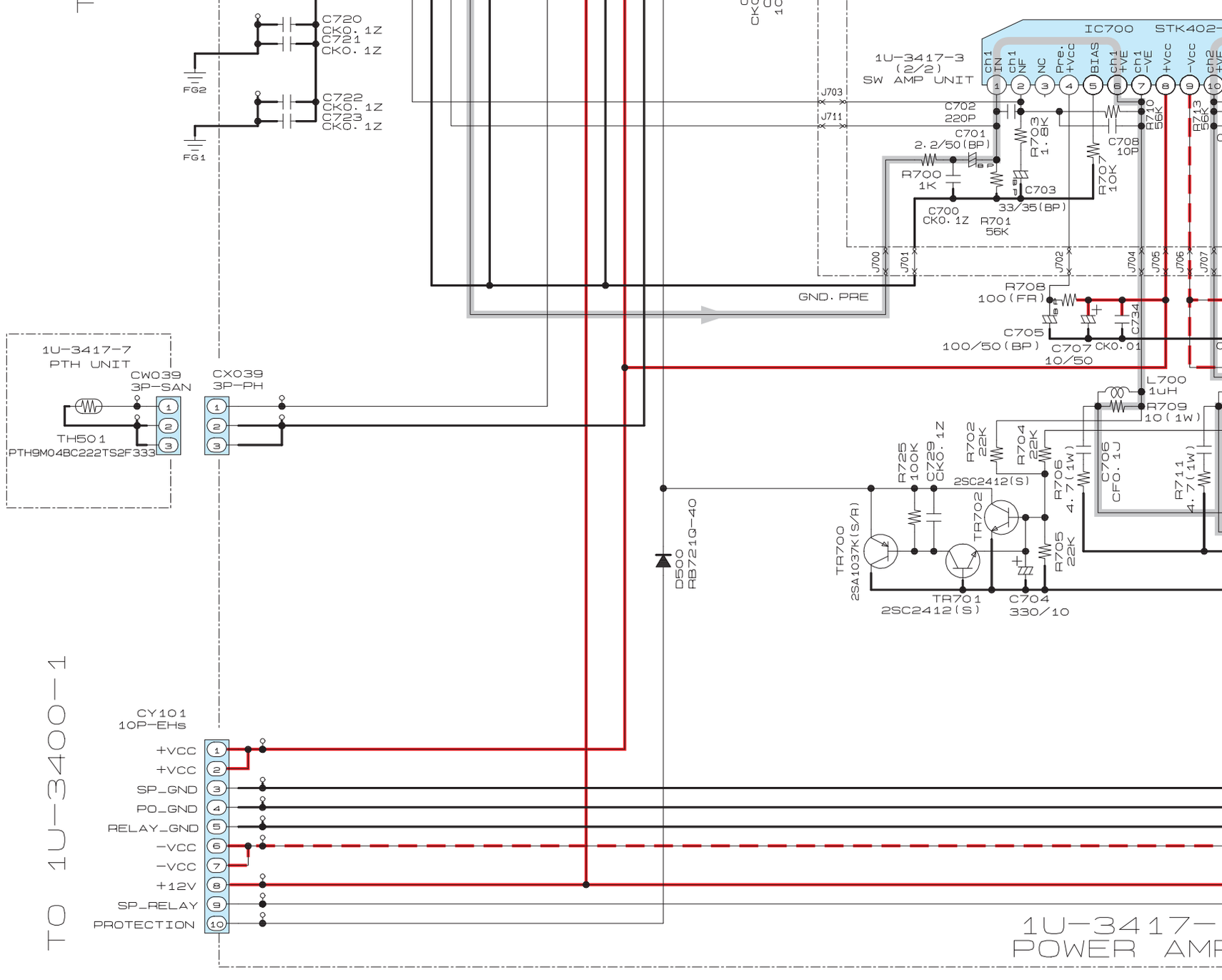
SCHEMATIC DIAGRAMS (5/6)

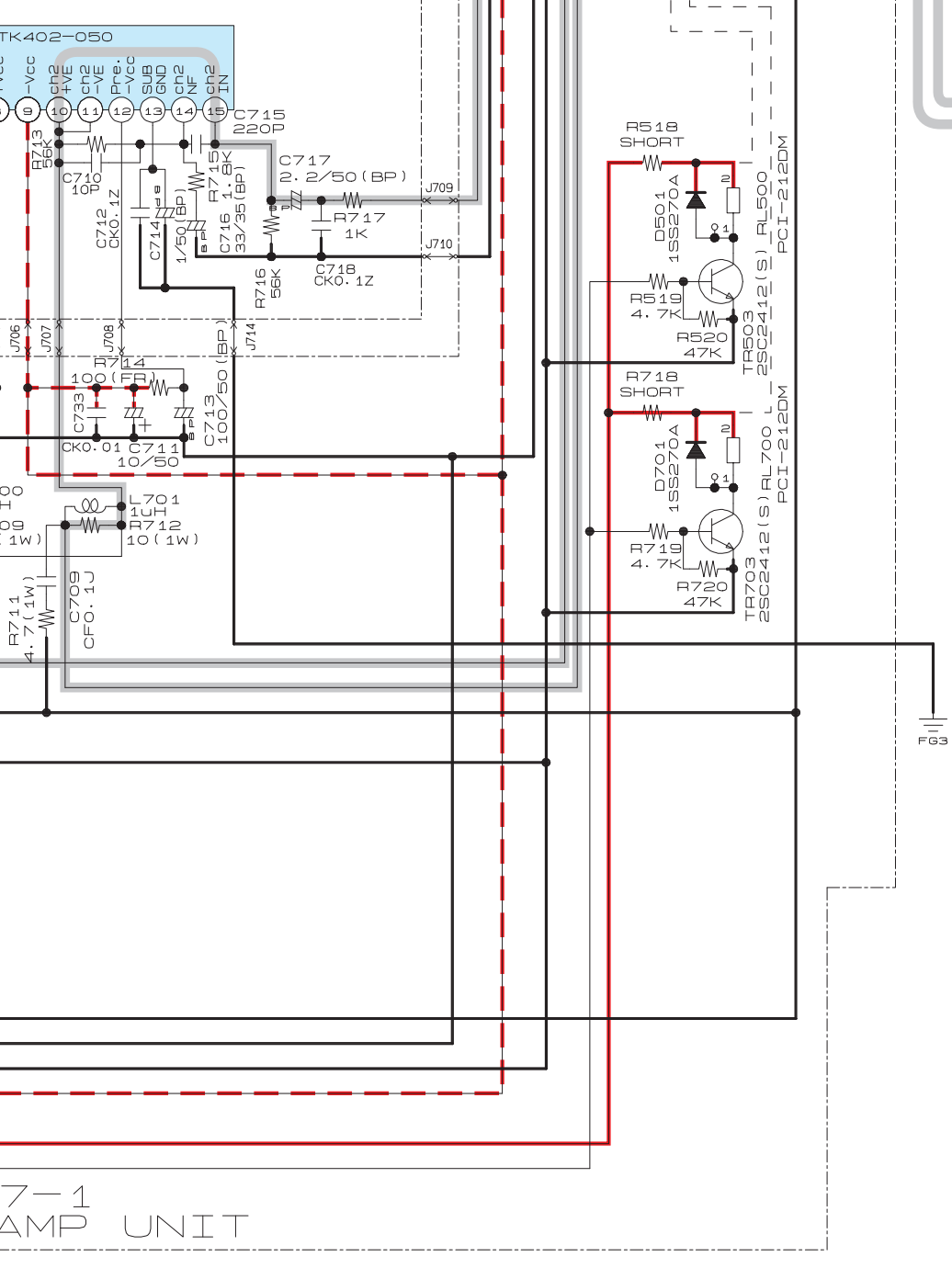
1U-3417 POWER AMP UNIT ASS'Y
1U-3417-1 POWER AMP UNIT
1U-3417-2 L/R AMP UNIT
1U-3417-3 SW AMP UNIT
1U-3417-4 SP TERMINAL UNIT
1U-3417-7 PTH UNIT

SCHEMATIC DIAGRAMS (5/6)




6
7
8
9
10
11
A
B
C
D
TK402-050
Vcc
-Vcc
ch2 +VE
ch2 -VE
Pre. -Vcc
SUB GND
ch2 NF
ch2 IN
R523 750
0.22(2W)
R521
R513 56K
C515 220P
C517 2.2/50(BP)
C510 10P
R515 1.8K
C516 33/35(BP)
C512 CK0.1Z
C514 1/50(BP)
R517 1K
R516 56K
C518 CK4700P
J509
J510
J506
J513
J507
J508
J511
R531 1K
C527 CK0.022
2SD1858(Q/R)
TR505
R533 33K
C531 CK0.01
R514 100(FR)
C513 100/50(BP)
C511 10/50
FG3
GND.PO
L501 1uH
1SS270A D503
R512 10(1W)
C509 CF0.1J
R511 4.7(1W)
RL500
RL700
CX041 4P-EHs
F.L
GND
F.R
GND
CX023 2P-EH
CX024 2P-EH
C719 CQ0.01
C724 CQ0.01
C725 CQ0.01
J712 OPEN
J713 OPEN
1U-3417-4
SP TERMINAL UNIT
CY041 4P-EH
C520 CQ0.01
C521 CQ0.01
JK500 4P_SP_TERMINAL
F.L
F.R
C519 CQ0.01
C522 CQ0.01
W701 1P_CONTACT_ASS
C534 1/50
C533 1/50
FG4


TO 1U-3400-1
CY101
10P-EHs
+VCC
+VCC
SP_GND
PO_GND
RELAY_GND
-VCC
-VCC
+12V
SP_RELAY
PROTECTION
1U-3417-7
PTH UNIT
CW039
3P-SAN
CX039
3P-PH
TH501
PTH9M04BC222TS2F333
D500
RB721Q-40
TR700
2SA1037K(S/R)
TR701
2SC2412(S)
TR702
2SC2412(S)
R725
100K
C729
CK0.1Z
R702
22K
R704
22K
R705
22K
R706
4.7(1W)
R711
4.7(1W)
C706
CF0.1J
C704
330/10
L700
1uH
R709
10(1W)
C705
100/50(BP)
C707
10/50
C734
CK0.01
R708
100(FR)
GND. PRE
1U-3417-3
(2/2)
SW AMP UNIT
IC700
STK402-
C702
220P
C701
2.2/50(BP)
R700
1K
C700
CK0.1Z
R701
56K
R703
1.8K
C703
33/35(BP)
R707
10K
C708
10P
R710
56K
R713
56K
J703
J711
J700
J701
J702
J704
J705
J706
J707
C720
CK0.1Z
C721
CK0.1Z
C722
CK0.1Z
C723
CK0.1Z
FG2
FG1



NOTICE

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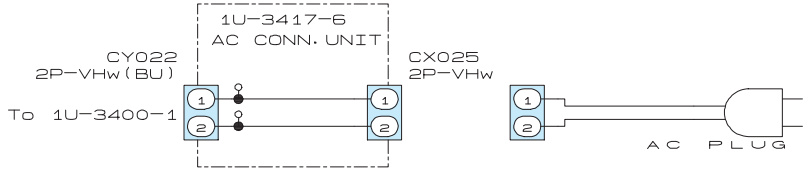


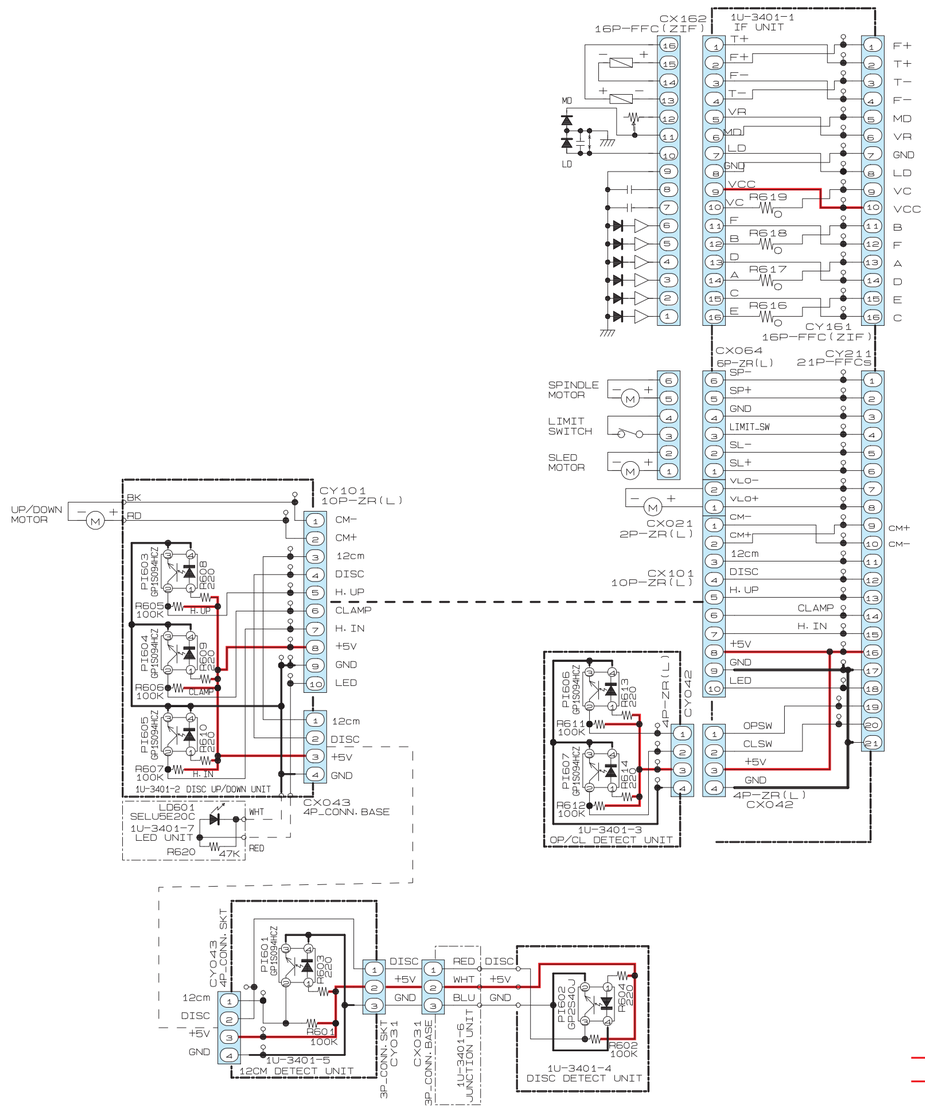
+ B LINE
– B LINE
SIGNAL LINE

SCHEMATIC DIAGRAMS (5/6)

1U-3417 POWER AMP UNIT ASS'Y
1U-3417-1 POWER AMP UNIT
1U-3417-2 L/R AMP UNIT
1U-3417-3 SW AMP UNIT
1U-3417-4 SP TERMINAL UNIT
1U-3417-7 PTH UNIT

E
F
G
H

SCHEMATIC DIAGRAMS (6/6)



+B LINE

−B LINE

NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT MO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:

Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

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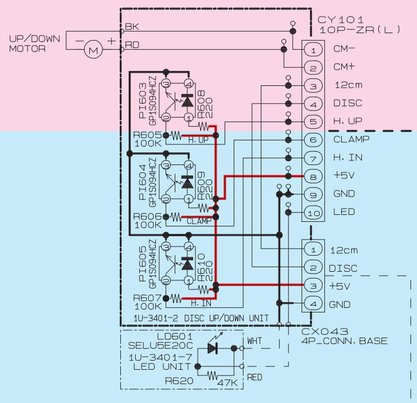
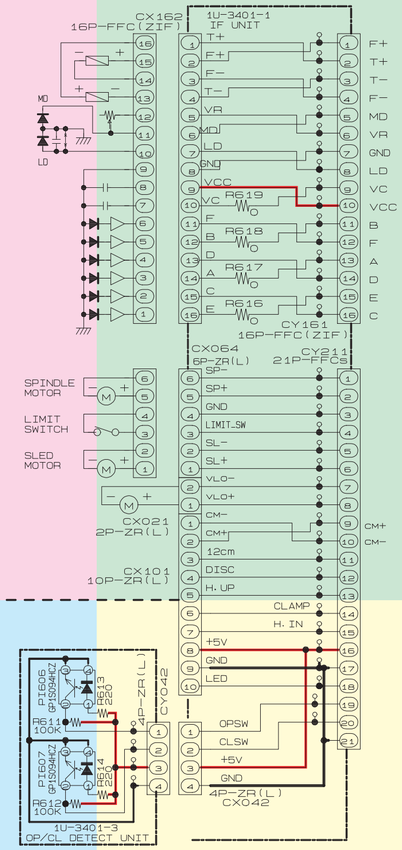
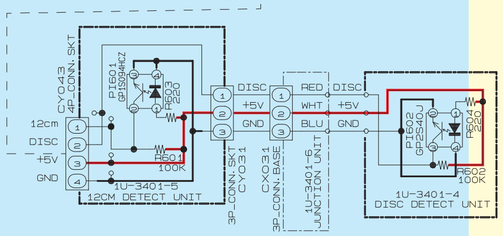
SCHEMATIC DIAGRAMS (6/6)

1U-3398S CD MECHA P.W.B. UNIT ASS'Y
1U-3401-1 I/F UNIT
1U-3401-2 DISC UP/DOWN UNIT
1U-3401-3 OP/CL DETECT UNIT
1U-3401-4 DISC DETECT UNIT
1U-3401-5 12CM DETECT UNIT
1U-3401-6 JUNCTION UNIT

SCHEMATIC DIAGRAMS (6/6)







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−B LINE

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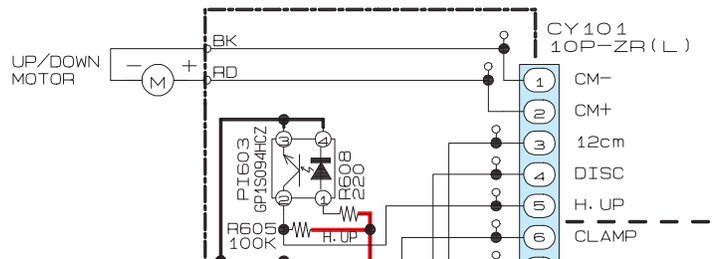
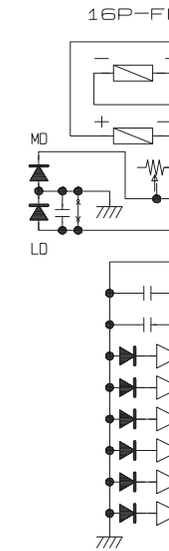
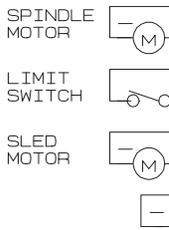
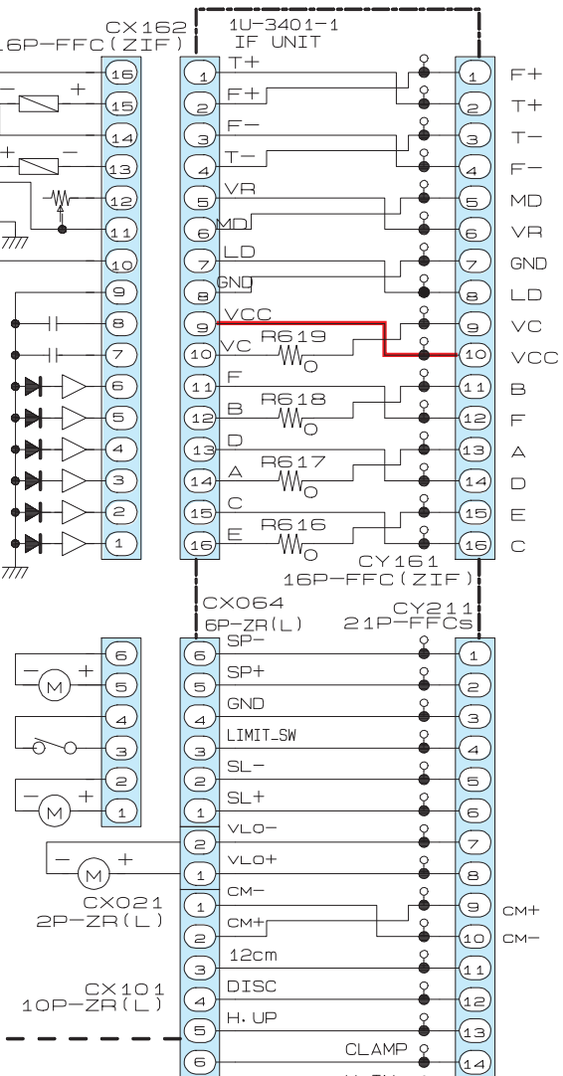
SCHEMATIC DIAGRAMS (6/6)

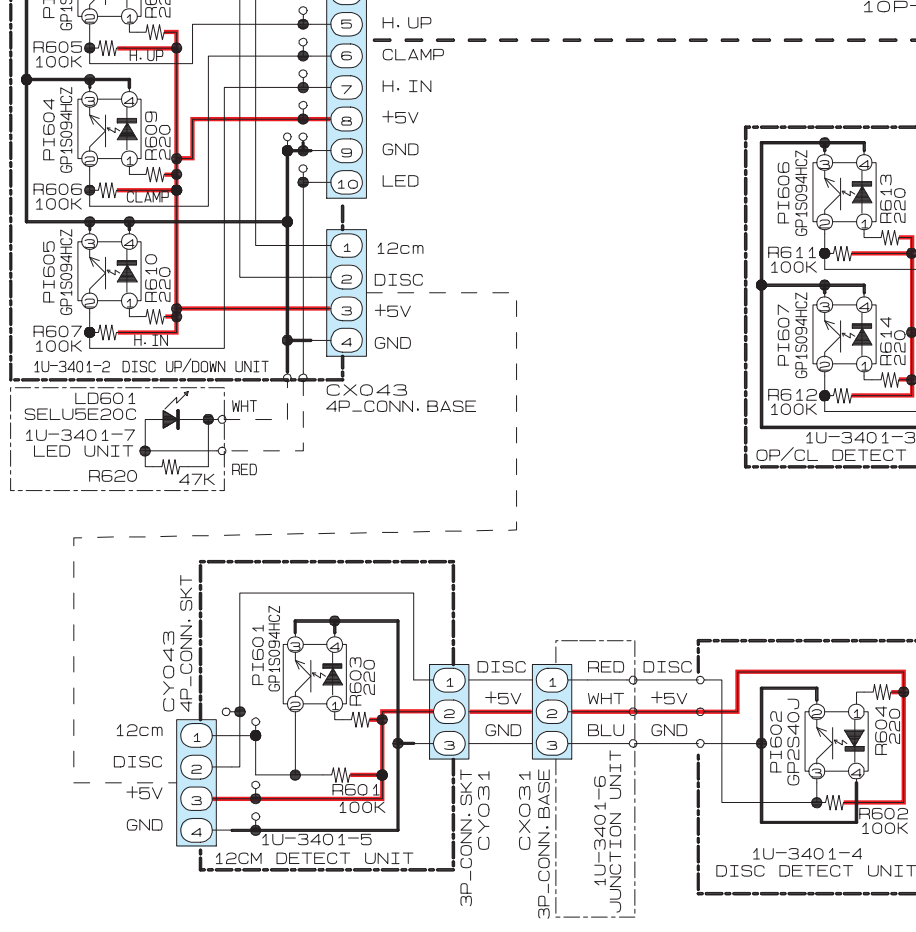
1 2 3 4 5

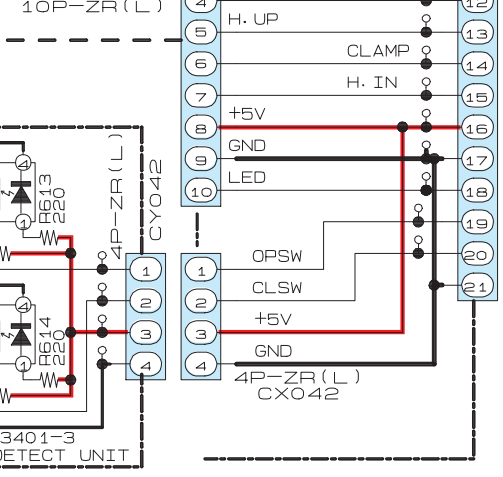


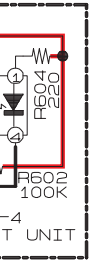





6
7
8
9
10
11
A
B
C
D
CX162
16P-FFC(ZIF)
1U-3401-1
IF UNIT
T+
F+
F-
T-
VR
MD
LD
GND
VCC
VC
R619
F
B
R618
D
A
R617
C
E
R616
CY161
16P-FFC(ZIF)
CX064
6P-ZR(L)
CY211
21P-FFCS
SP-
SP+
GND
LIMIT_SW
SL-
SL+
VLO-
VLO+
CM-
CM+
12cm
DISC
H.UP
CLAMP
CX021
2P-ZR(L)
CX101
10P-ZR(L)


H. UP
CLAMP
H. IN
+5V
GND
LED
12cm
DISC
+5V
GND
R605 100K
R606 100K
R607 100K
PI604 GP1S094HCZ
PI605 GP1S094HCZ
R609 220
R610 220
1U-3401-2 DISC UP/DOWN UNIT
CX043 4P_CONN. BASE
LD601 SELU5E20C
1U-3401-7 LED UNIT
R620 47K
WHT
RED
PI606 GP1S094HCZ
PI607 GP1S094HCZ
R611 100K
R612 100K
R613 220
R614 220
1U-3401-3 OP/CL DETECT
CY043 4P_CONN. SKT
PI601 GP1S094HCZ
R603 220
R601 100K
1U-3401-5 12CM DETECT UNIT
3P_CONN. SKT CY031
CX031 3P_CONN. BASE
RED
WHT
BLU
1U-3401-6 JUNCTION UNIT
PI602 GP2S40J
R604 220
R602 100K
1U-3401-4 DISC DETECT UNIT





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E
F
G
H