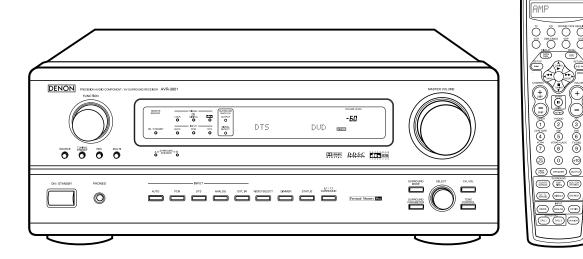
Hi-Fi Component

# DENON

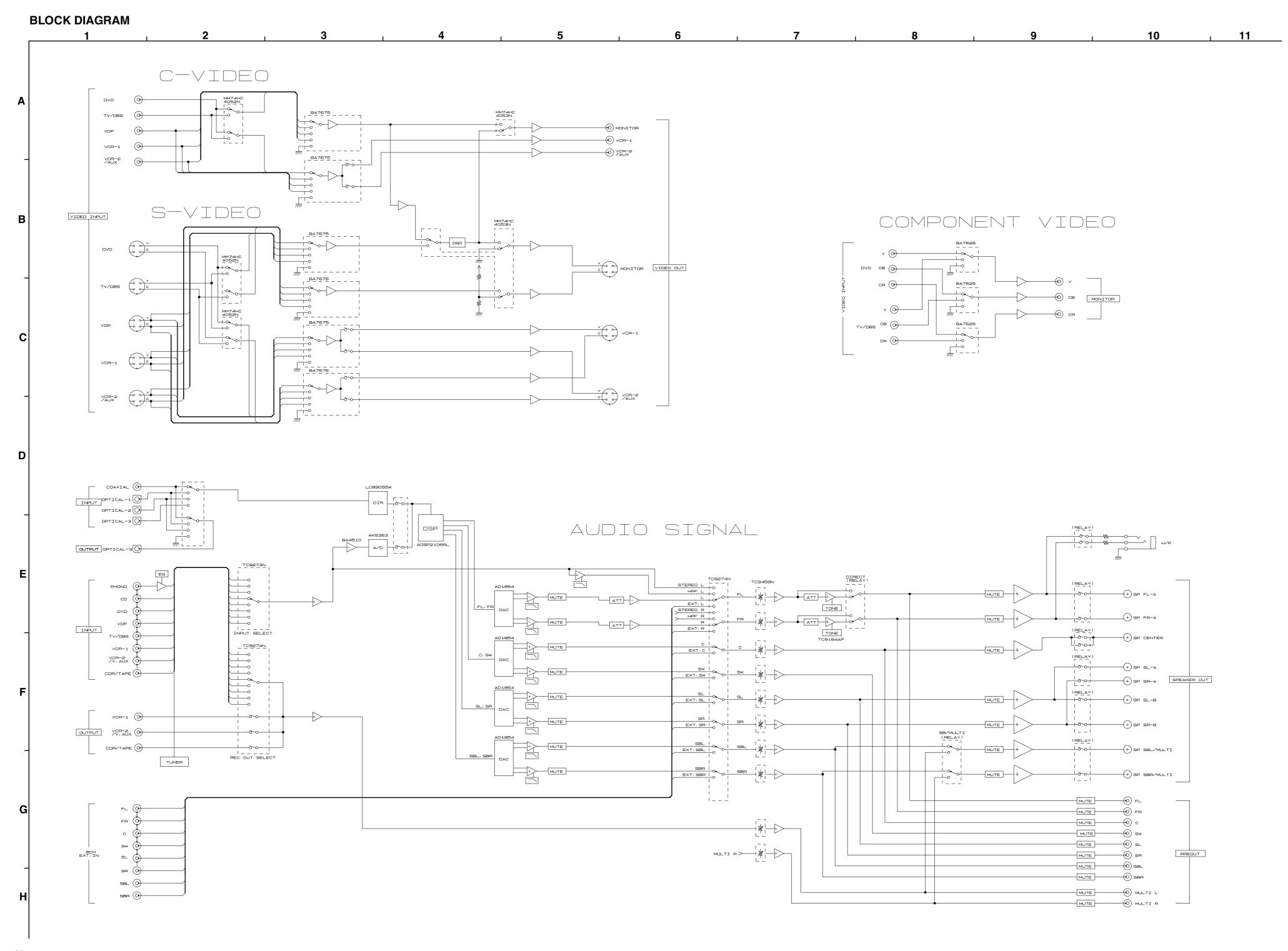
# SERVICE MANUAL MODEL AVR-3801

**AV SURROUND RECEIVER** 



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

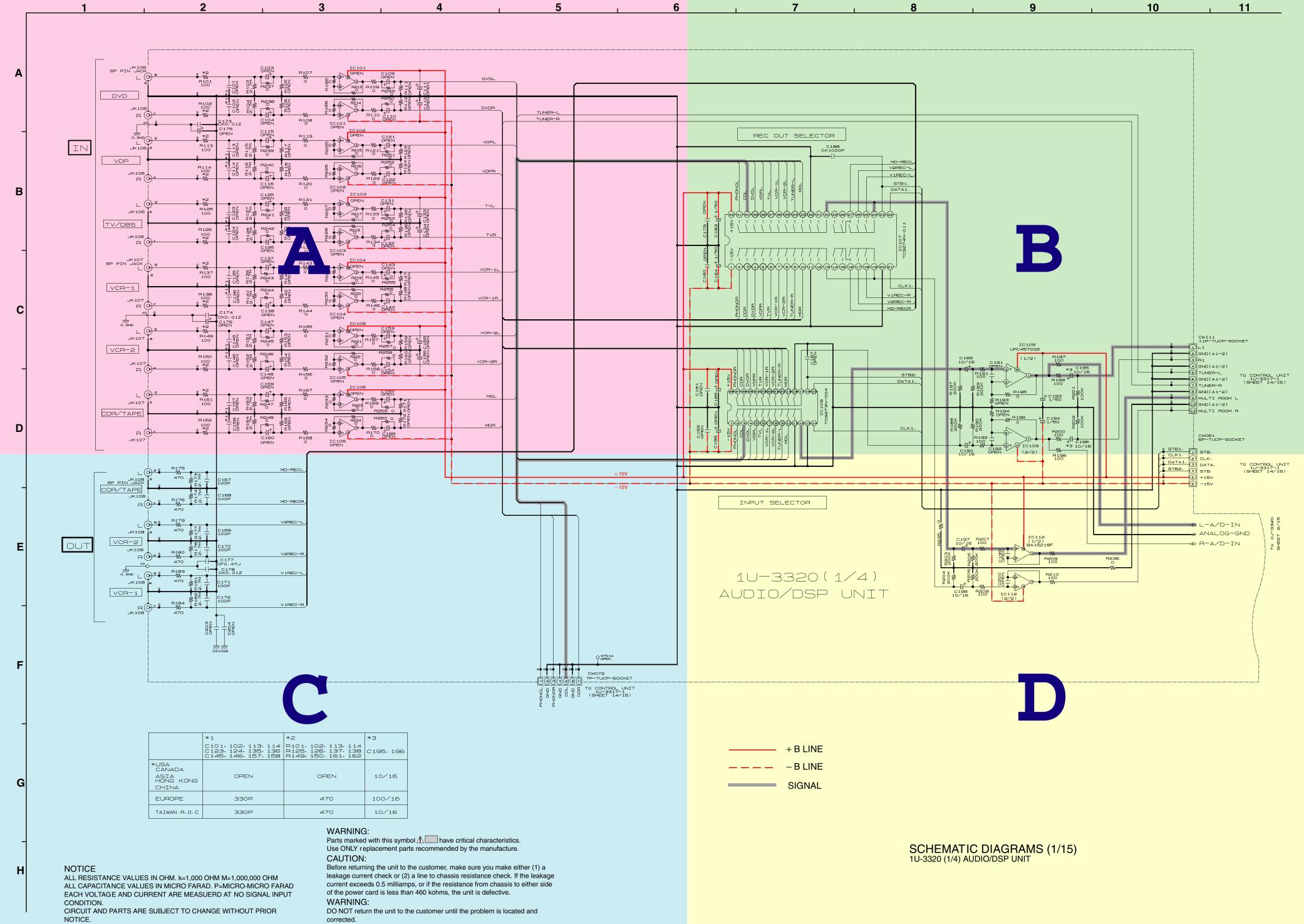
NIPPON COLUMBIA CO., LTD.



AVR3801 WIRING DIAGRAM 1U-3316-4 1U-3316-3 POWER SW UNIT 1U-3317-3 FRONT UNIT 10-3318-4 VOL UNIT [ASIA/EUROPE MODEL] H/P&P.SW UNIT 1U-3316-1 DISPLAY UNIT 10-3317-2 CONNECT UNIT 4P\_TUC5\_P 1U-3319-1 REGULATOR UNIT POWER 1U-3315-1 TRANS POWER UNIT 1U-3317-1 #15V

#PRE-FMUTE
PRE-CMUTE
PRE-SWMUTE
PRE-SURI.MUTE
PRE-S-BACKMUT.
PRE-MULTIMUTE
S-BACK VOL.MUT CONTROL UNIT CY041 4P-KR G-4 F-3 VIDEOGND 2 VIDEO+6V 1 -15V 6 6 +15V STB2. 0 5 FUNC\_STB2 DATA1 2 7 FUNC\_DATA CLK1 2 FUNC\_STB1 CX061 STB1 1 1 CX061 [2P-VH] (1 AS. AMP CONNE +15V B S-BACK VOL. MUTE 1U-3319-6 VIDEO HOLDER UNIT CX023 - TO OUTLET
OPEN - ASIA
EUROPE
MODEL |
VEW 0 (2) BWN (2) OPEN (3) OPG (3P-VH) (4) (M) 1U-3318-2 PRE OUT UNIT  $\mathbb{O}$  $\forall$ CX951
SP-KR
FLB
FRONT RL
2
CENTER FL
3
S. BACK RL
4
H/P FL
6 CY951 5P-KR H/P R -3  $\vdash$  $\forall \vdash$ SURR-B RL 1 SURR-A RL 2 RLB 3 CX933 3P-PH 1U-3315-3 1U-3319-3 SP F UNIT SP S UNIT COMP. -VIDEO UNIT

**WIRING DIAGRAM** 



JK 107

#### AVR-3801 **SCHEMATIC DIAGRAMS (1/15)** 5 JK106 6P PIN JACK Α #2 W-F101 DVDL DVD DVDR JK106 TUNER-L VDPL IN R113 H239 0 JK 106 VDP 8.7M VDPR JK 106 $\mathbf{P}(\mathbf{O})$ R120 В TVL B125 JK 106 TV/DBS R126 TVR JK 106 $\Box$ R132 IC103 OPEN JK107 6P PIN JACK VCR-1L H137 VCR-1 VCR-1R JK 107 C174 CK0.01Z VCR-2L R149 F245 JK 107 VCR-2 R150 100 \*2 ₩ VCB-2B JK107 R158 C154 $\Box$ R156 MDL R161 JK 107 COR/TAPE R248 ○ MDR D $\Box$ ( $\odot$ )

OPEN

10 8 11 REC OUT SELECTOR C188 CK1000P MD-RECL V2REC-L V1REC-L STB1. DATA1. 44003373333333333 IC107 TC9274N-011 C184 N+ 1/5 -1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 CLK1 V1REC-R V2REC-R MD-RECR , CW111 11P-TUCP-SOCKET IC109 UPC4570G2 @ GND[A1-2] C189 10/16 (1/2) 3 R1 C191 OPEN \*3 C195 10/16 4) GND[A1-2] 5 TUNER-L P191 I STB2. To CONTROL UNIT 1U-3317-1 (SHEET 14/15) 6) GND[A1-2] R199 100 DATA1. 8187 200K ₩ R1889 7 TUNER-R -W R195 B GND[A1-2] # C193 9 MULTI ROOM L \$ 8193 \$ OPEN 10 GND [A1-2] 11 MULTI ROOM R R194 NOPEN W 8196 C194 %# 0000 000 X CLK1. CW061 6P-TUCP-SOCKET R192 L 190 T S+ 4

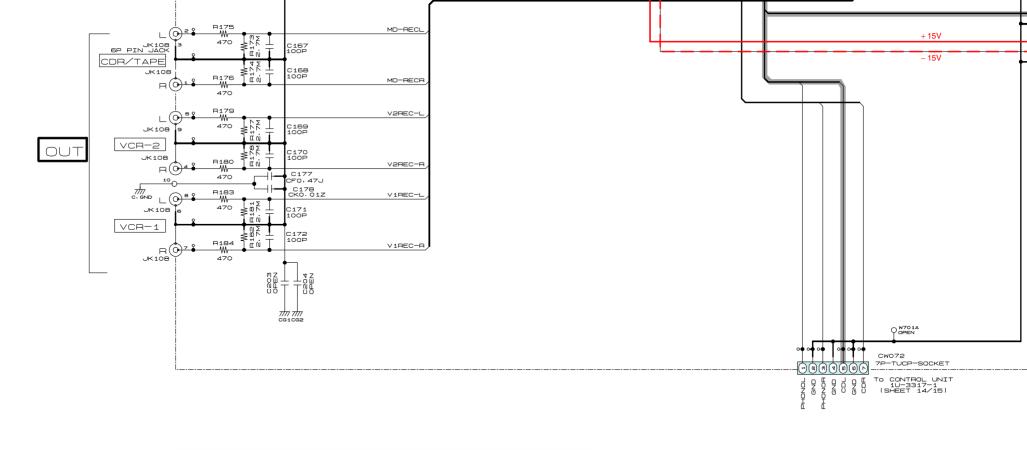
\*3 10/16

STB1.

IC109

(9/9)

C190



	*1	*2	*3
	C101, 102, 113, 114 C123, 124, 135, 136 C145, 146, 157, 158	R125, 126, 137, 138	C195, 196
*USA CANADA			
ASIA HONG KONG CHINA	OPEN	OPEN	10/16
EUROPE	330P	470	100/16
TAIWAN R.O.C	330P	470	10/16

#### 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 NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

#### WARNING:

Parts marked with this symbol  $\triangle$  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 460 kohms, the unit is defective.

#### WARNING:

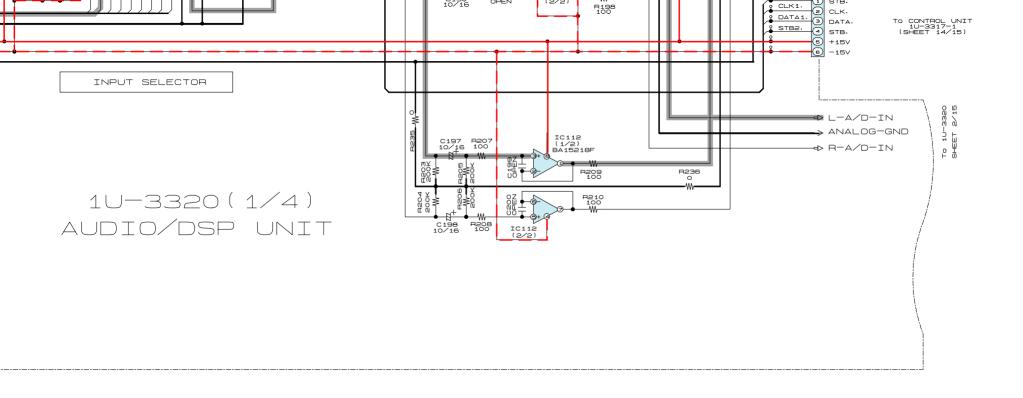
DO NOT return the unit to the customer until the problem is located and corrected.

Н

Ε

F

G



+ B LINE
- B LINE
SIGNAL

SCHEMATIC DIAGRAMS (1/15) 1U-3320 (1/4) AUDIO/DSP UNIT

1U-3320 (2/4)

AUDIO/DSP UNIT

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 NO SIGNAL INPUT CONDITION.

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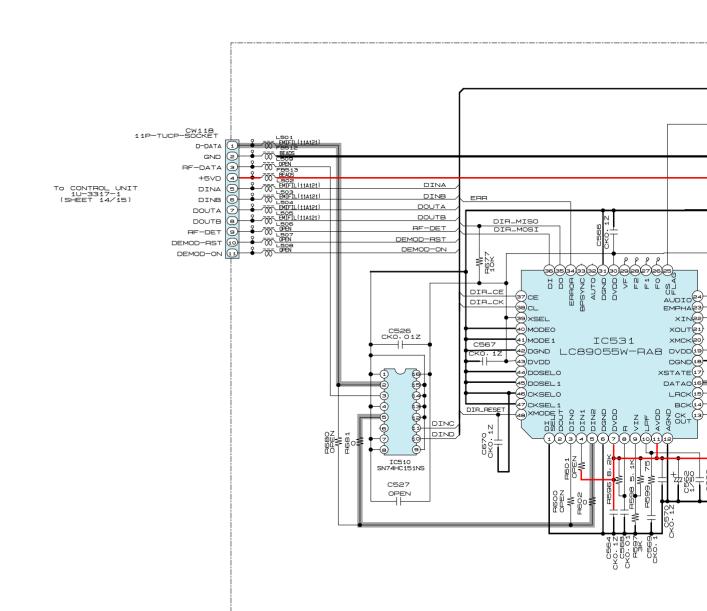
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460 kohms, the unit is defective.

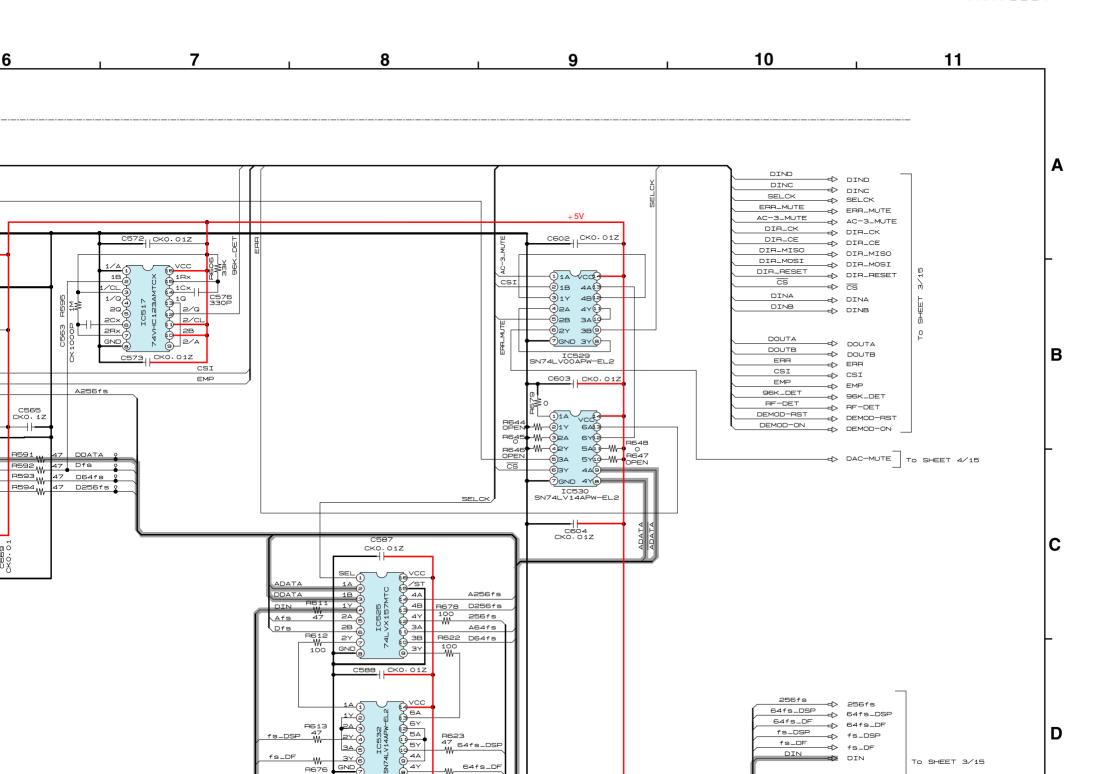
WARNING:

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

+ B LINE

1 , 2 , 3 , 4 , 5





	L-A/D-IN Φ
To SHEET 1/15	ANALOG-GND ←
	R-A/D-IN Φ

#### NOTICE

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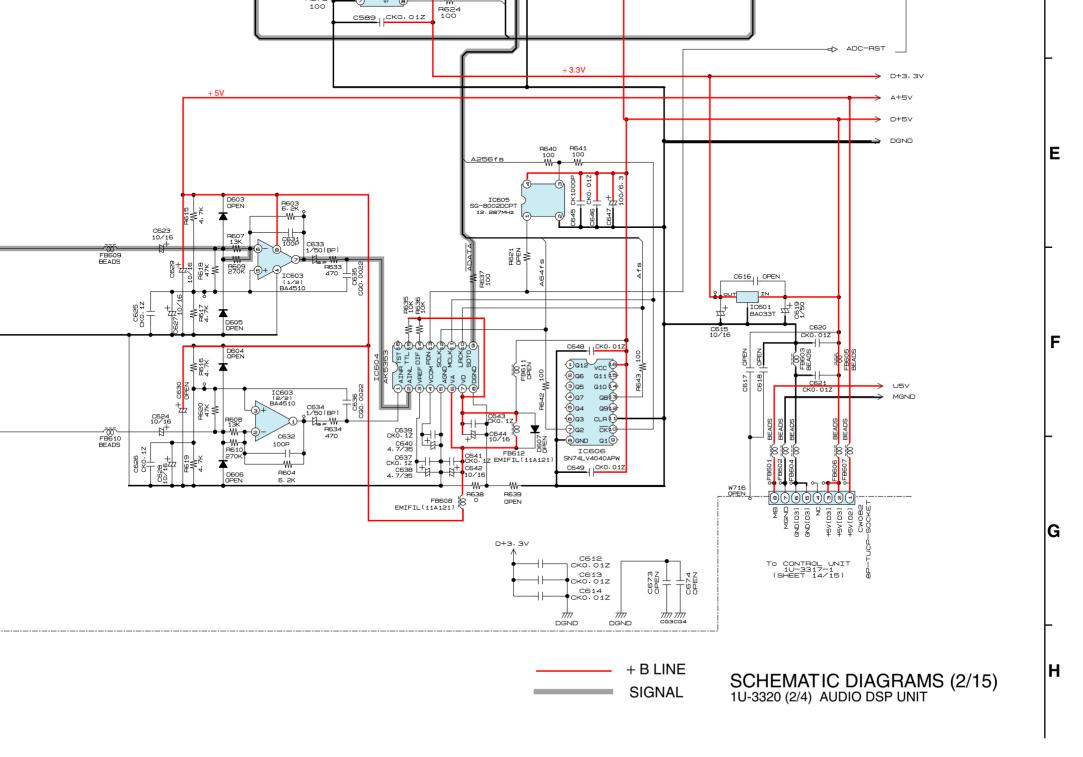
#### CAUTION:

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 460 kohms, the unit is defective.

#### WARNING:

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

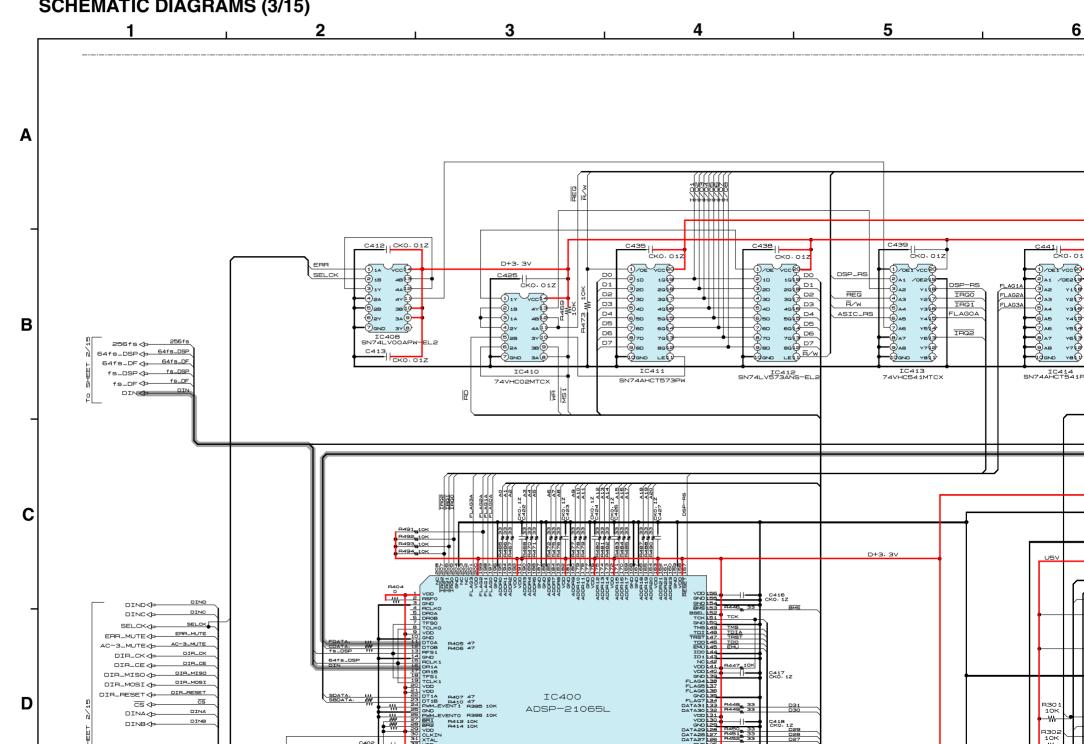
1U-3320(2/4) AUDIO/DSP UNIT

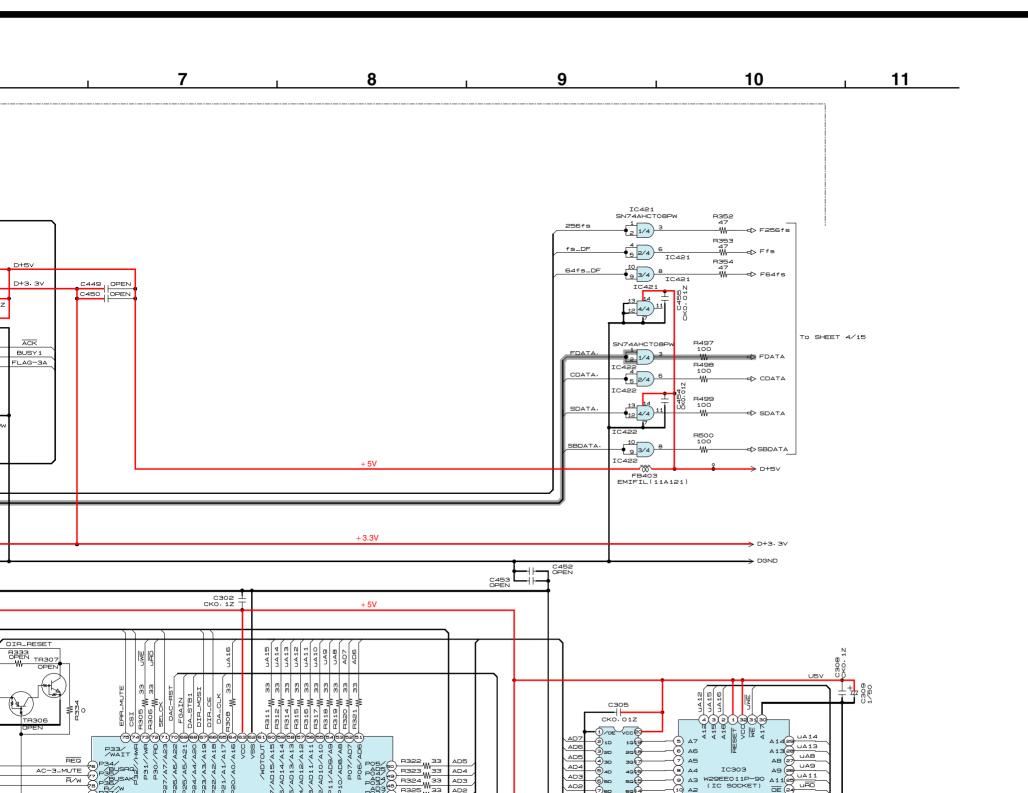


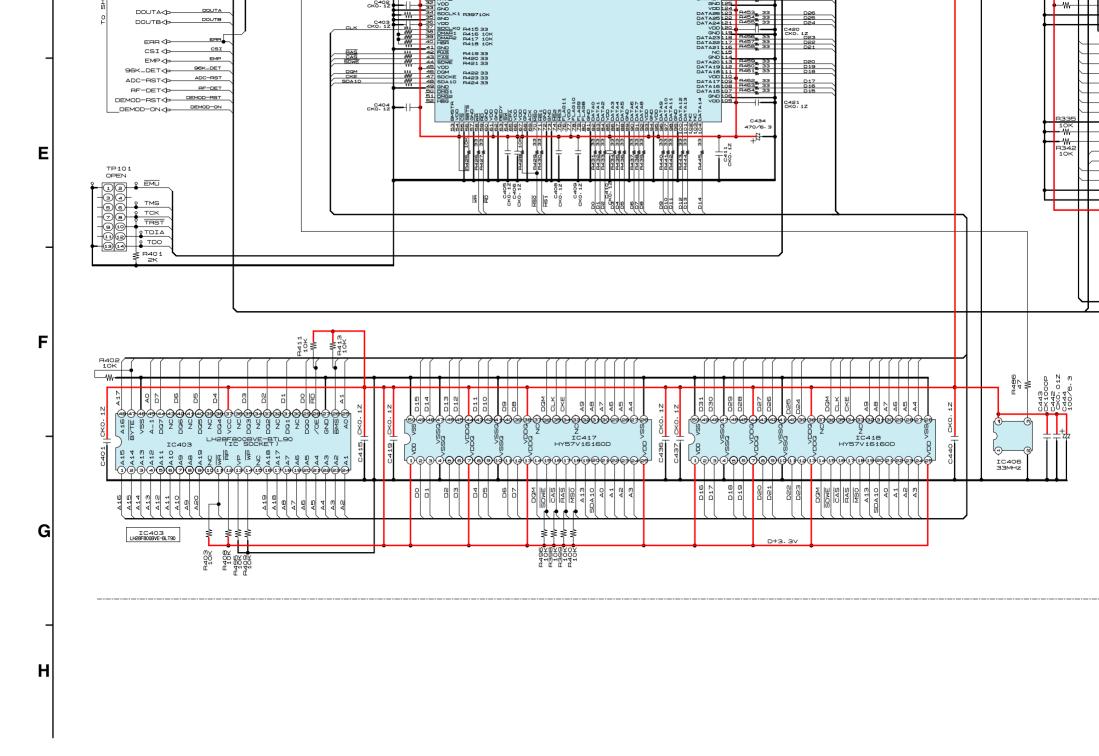
DO NOT return the unit to the customer until the problem is located and

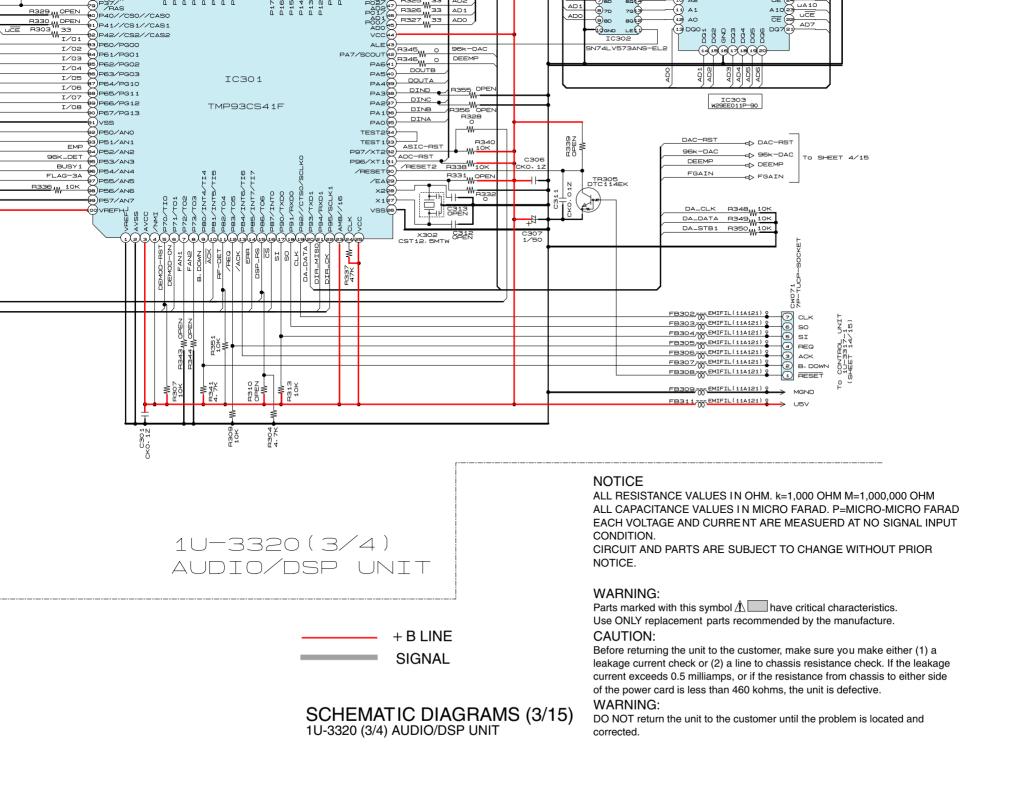
corrected.

## **SCHEMATIC DIAGRAMS (3/15)**





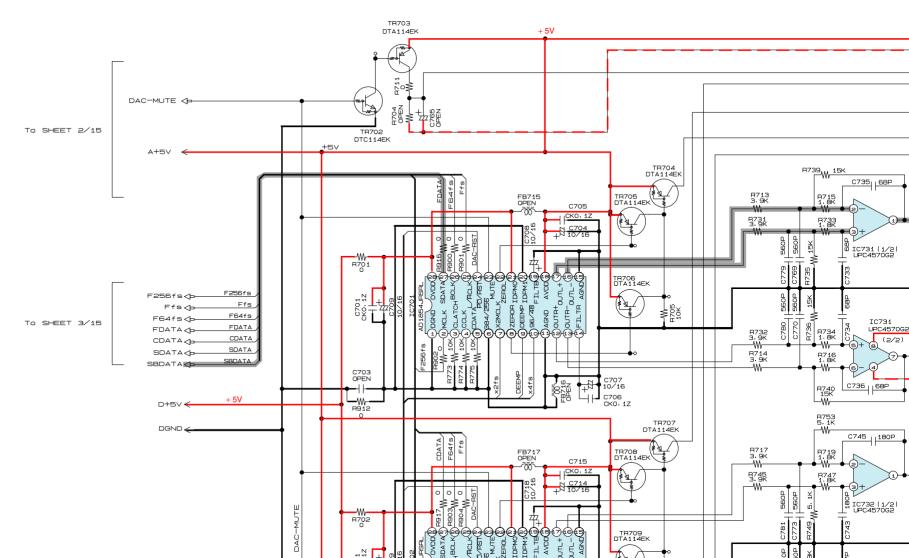


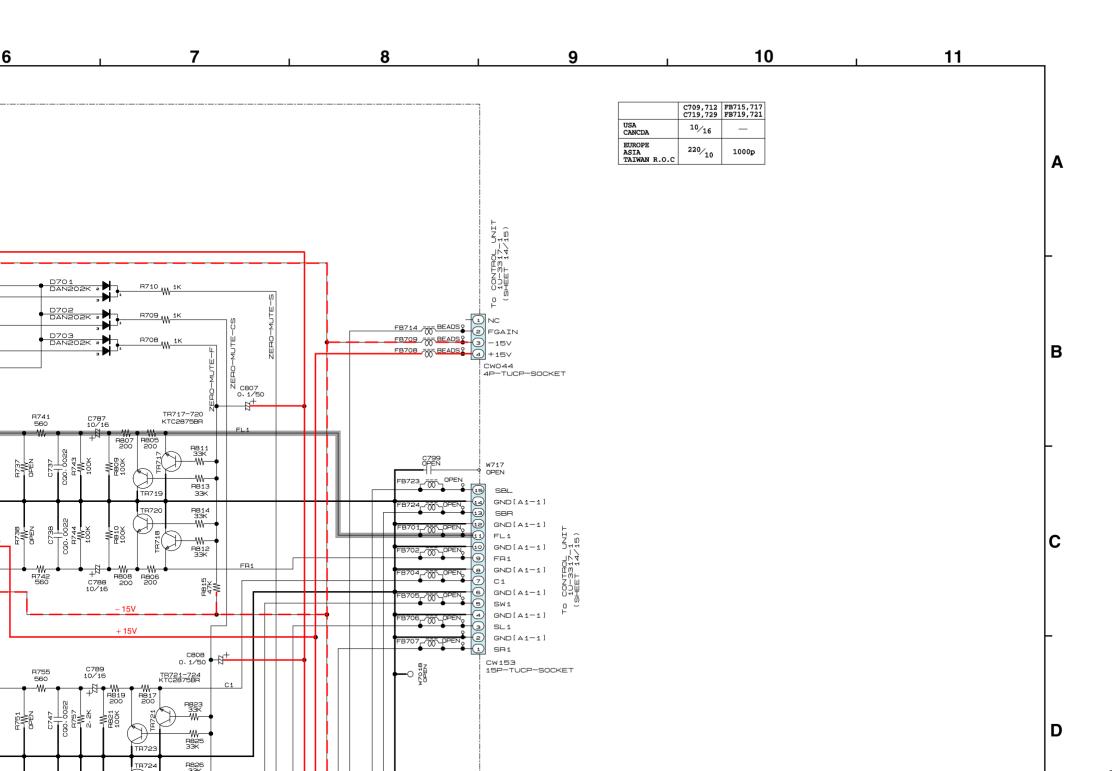


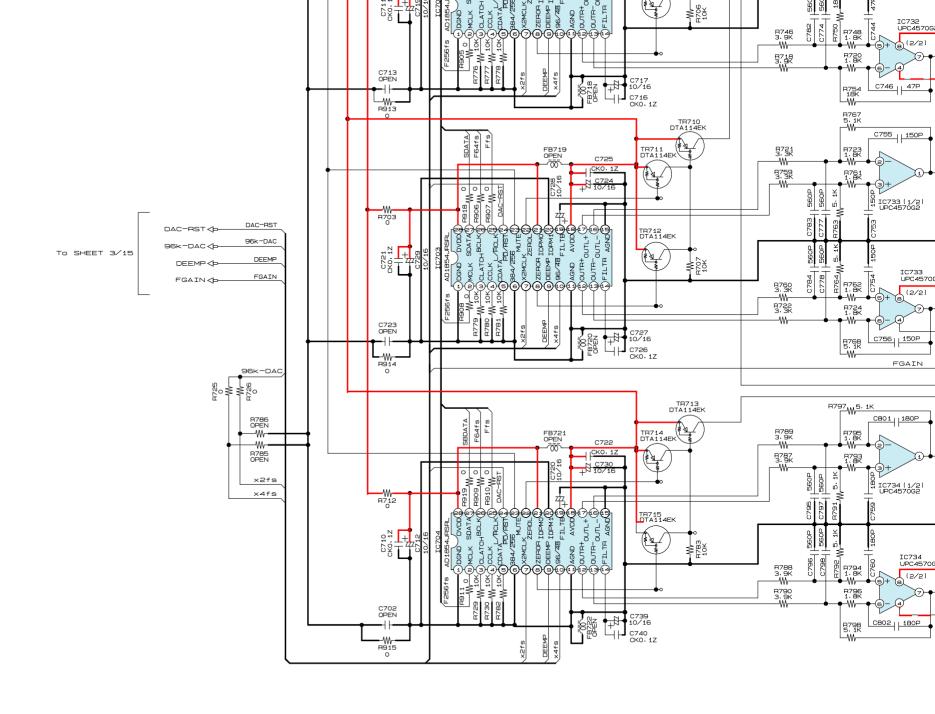
R798 C802 180P

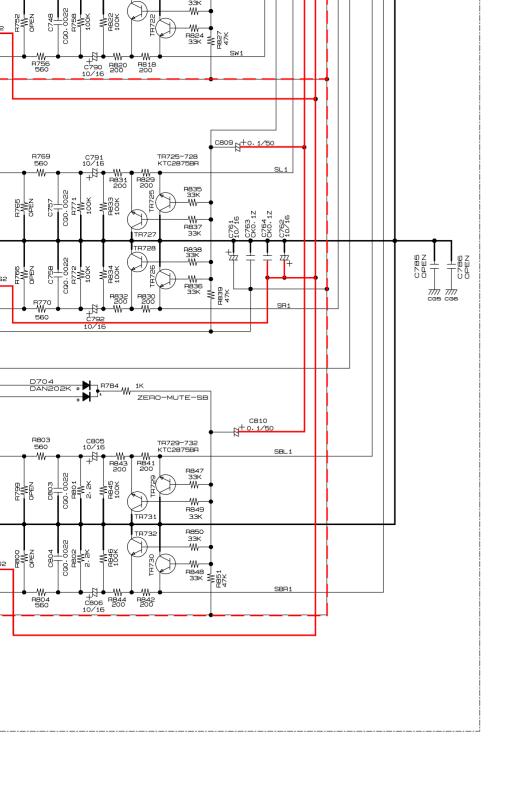
SCHEMATIC DIAGRAMS (4/15) 1U-3320 (4/4) AUDIO DSP UNIT 1 2 3 4 5

# 1U-3320(4/4) AUDIO/DSP 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 EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

#### WARNING:

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#### CAUTION:

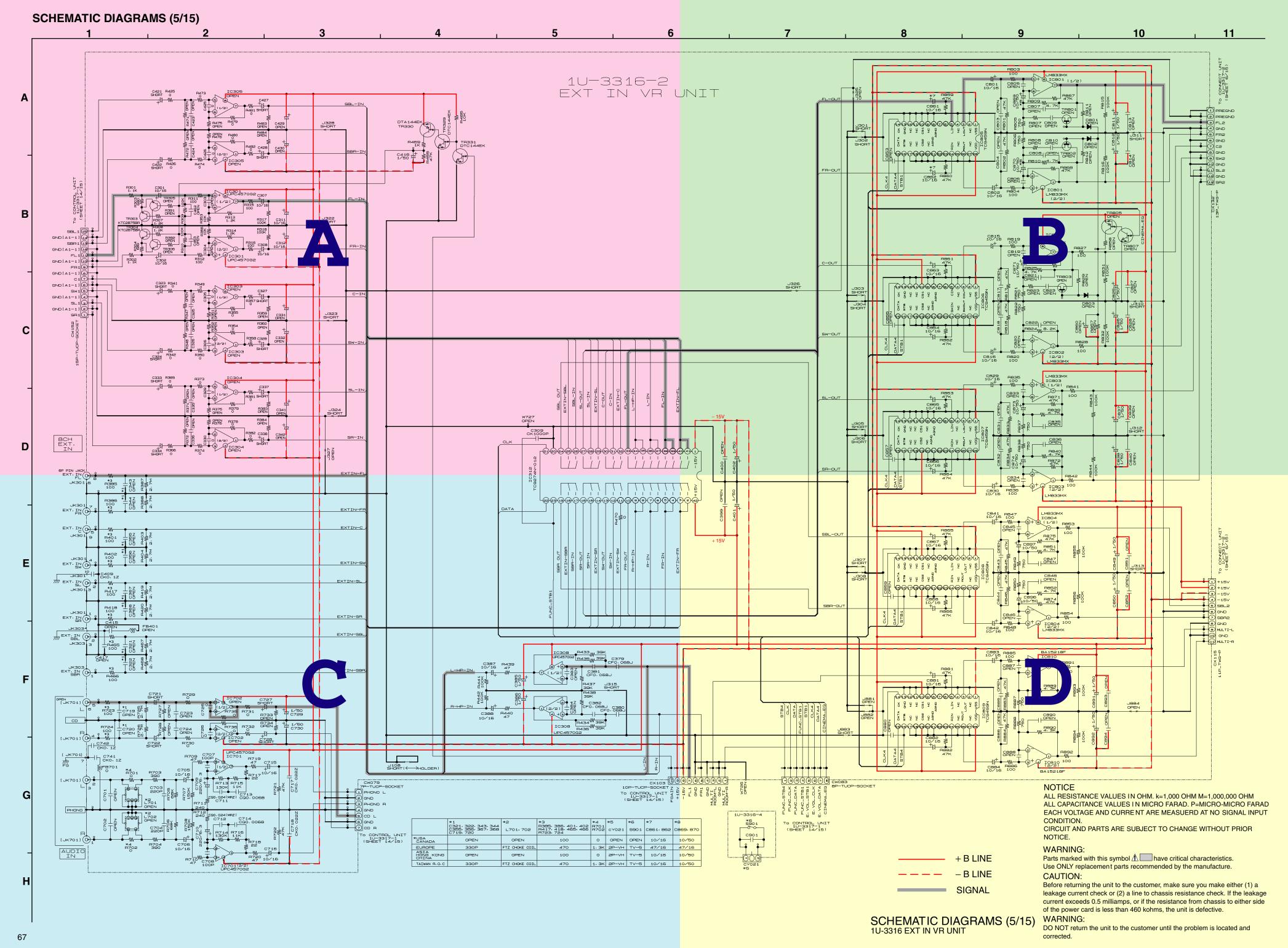
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#### WARNING:

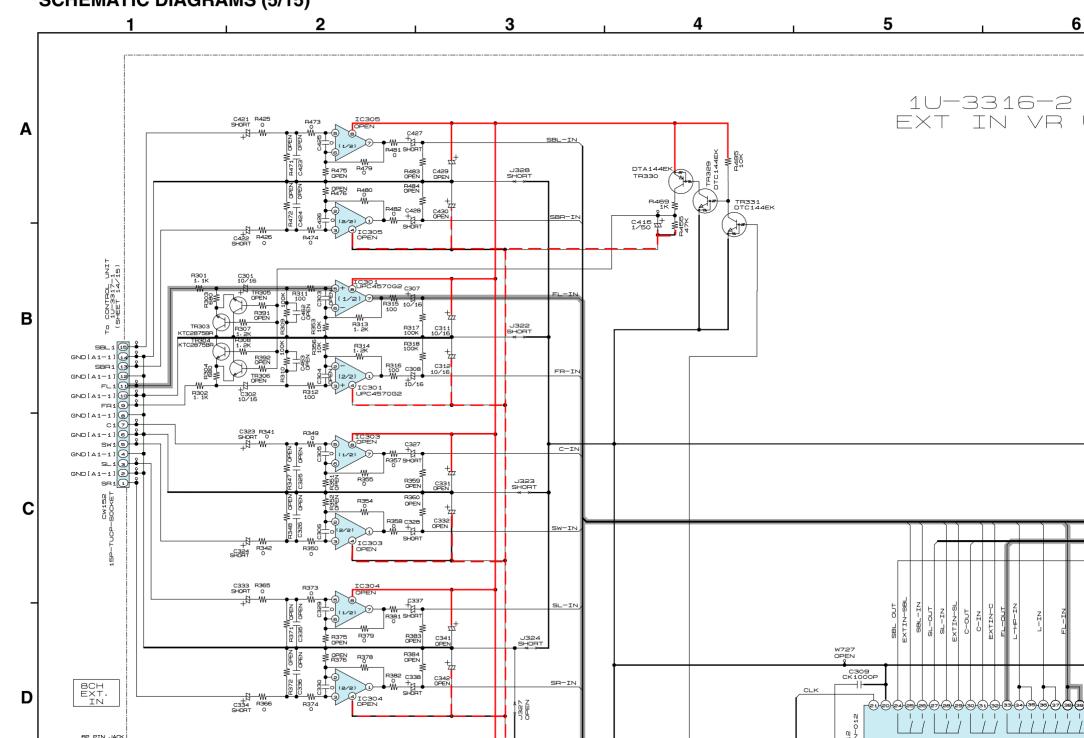
DO NOT return the unit to the customer until the problem is located and corrected.

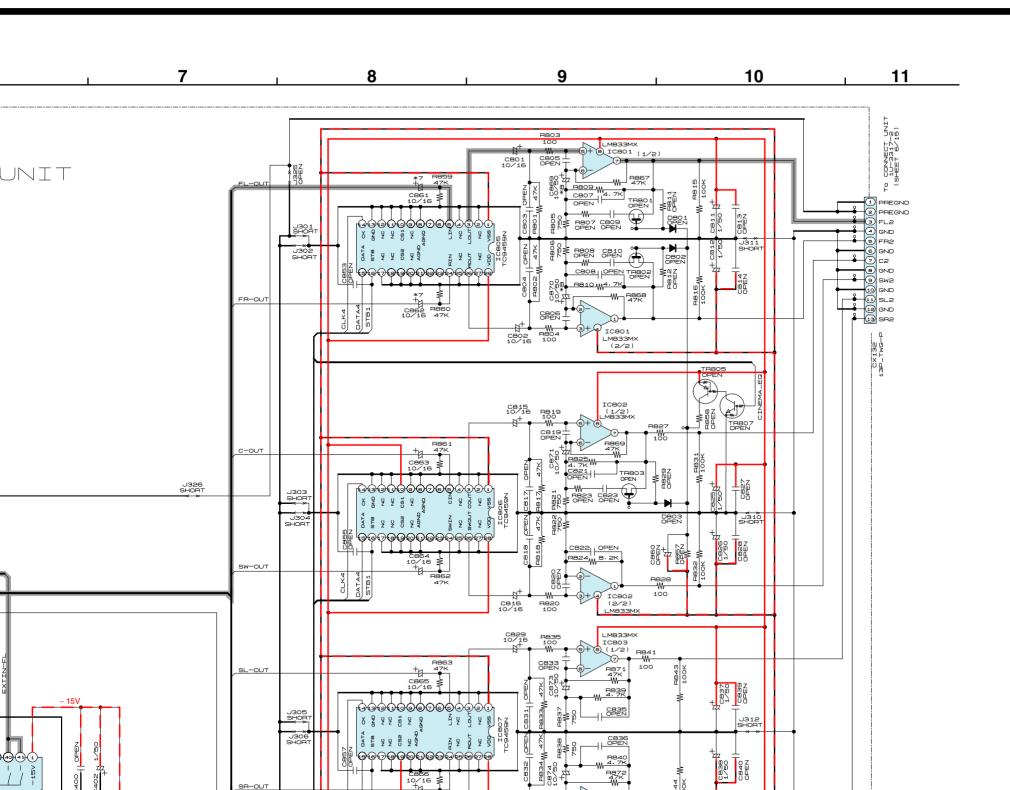
SCHEMATIC DIAGRAMS (4/15) 1U-3320 (4/4) AUDIO DSP UNIT G

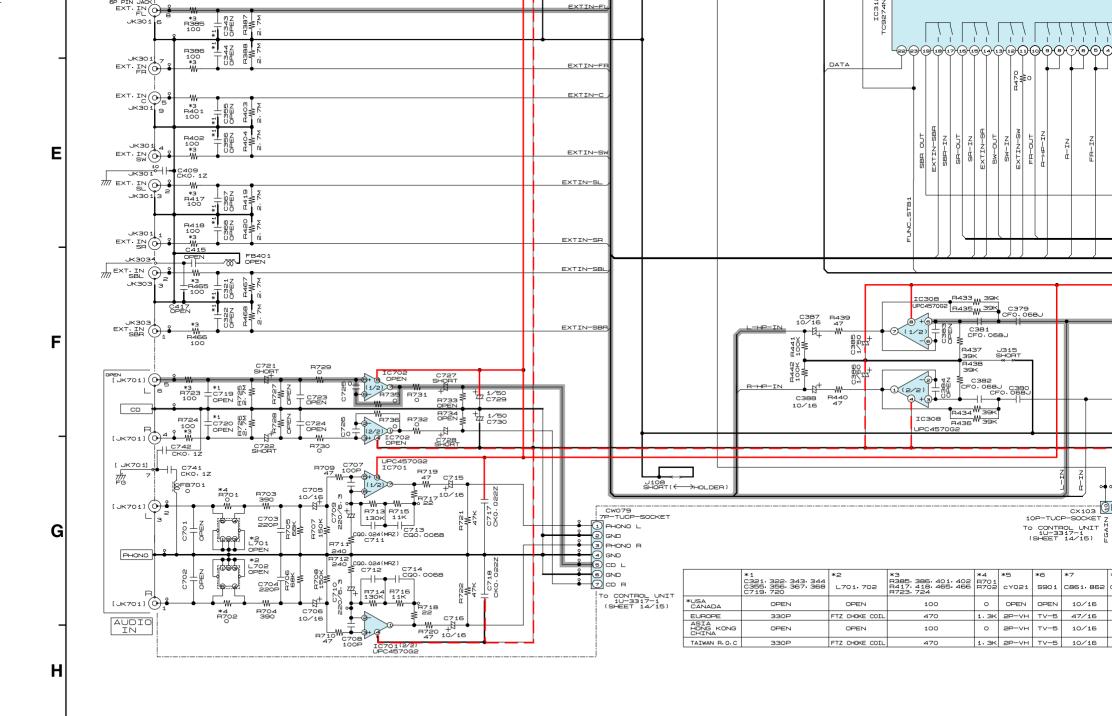
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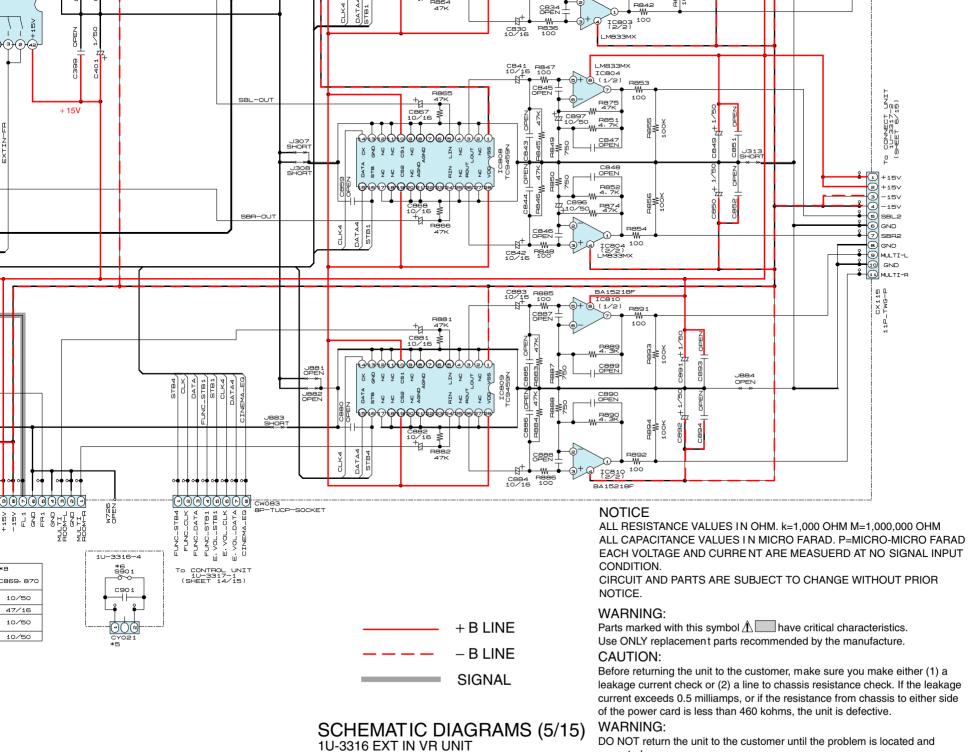


### **SCHEMATIC DIAGRAMS (5/15)**









corrected.

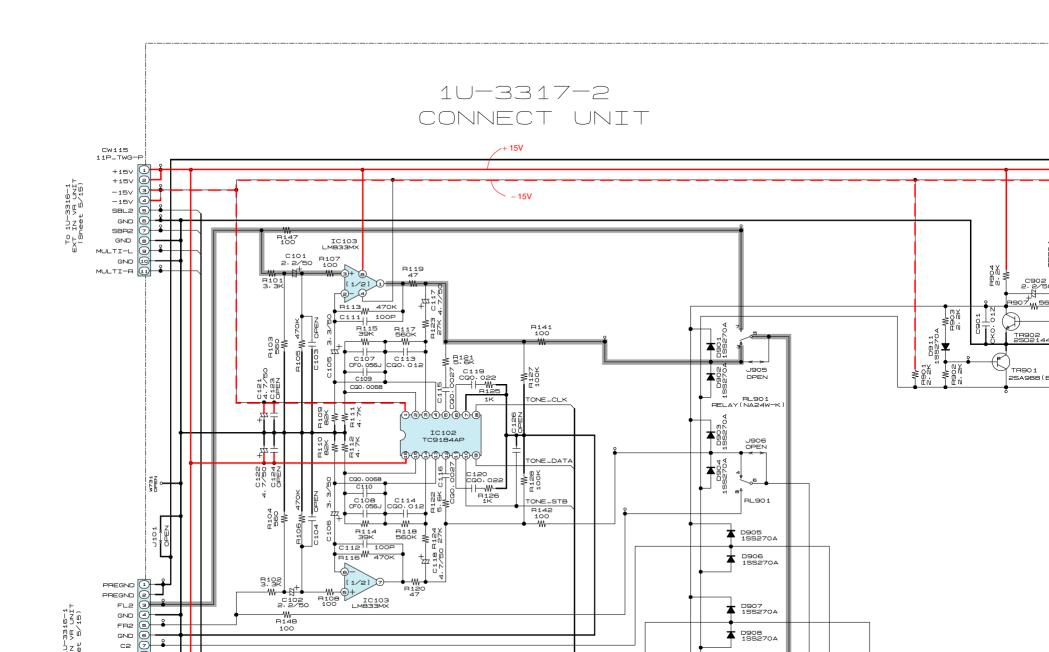
DO NOT return the unit to the customer until the problem is located and

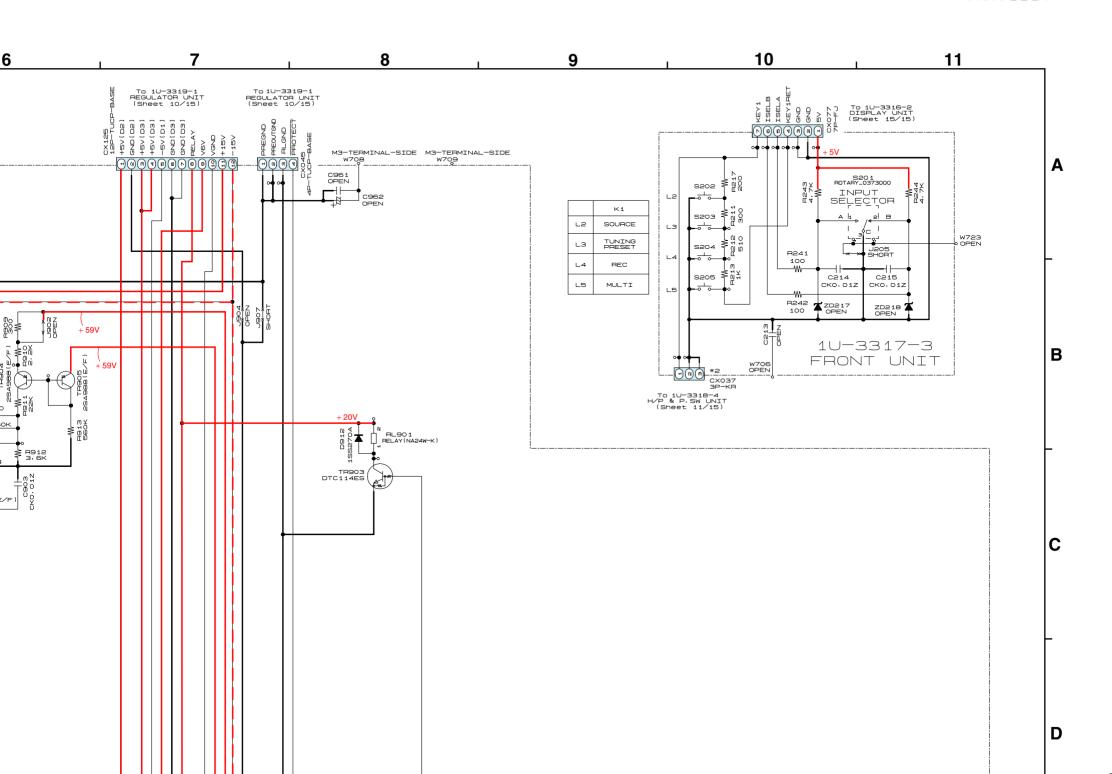
SIGNAL

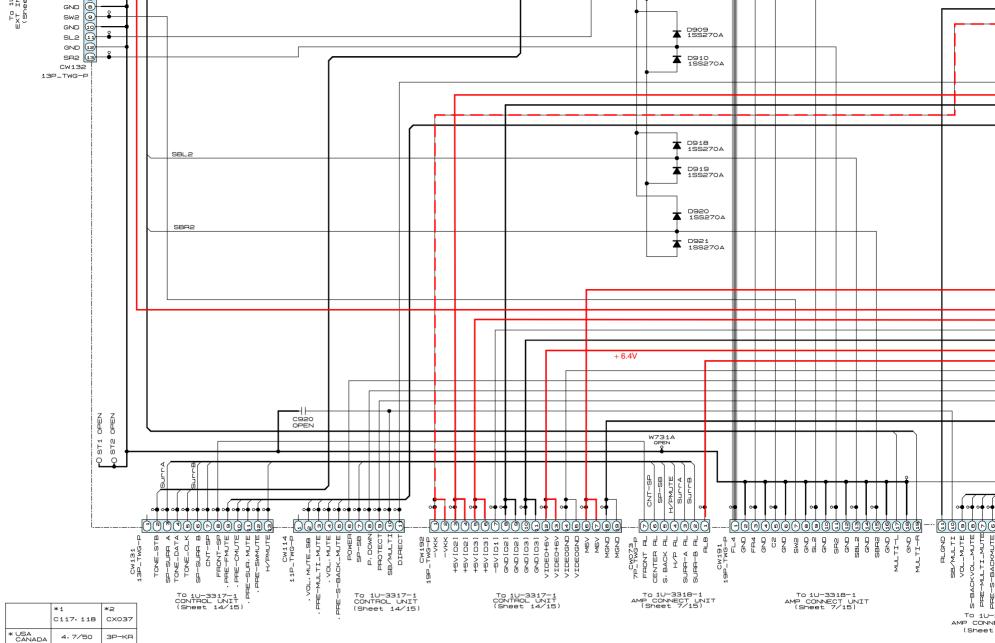
corrected.

1U-3317-2 CONNECT UNIT

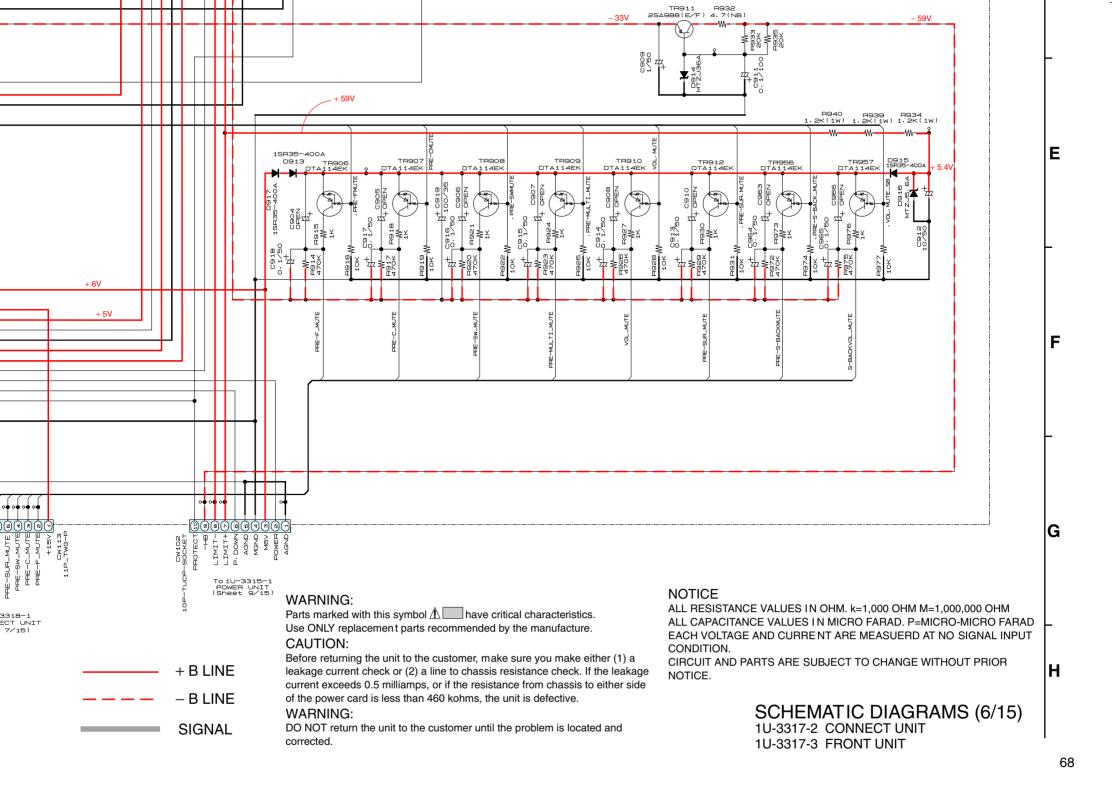
1U-3317-3 FRONT UNIT

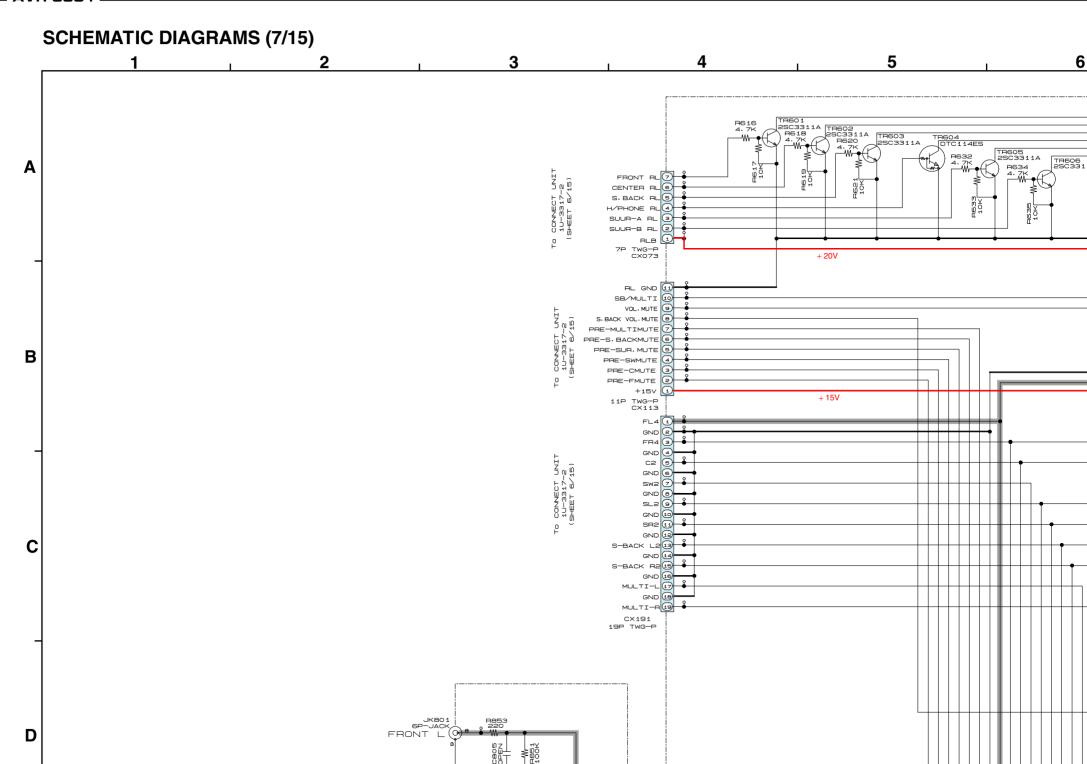


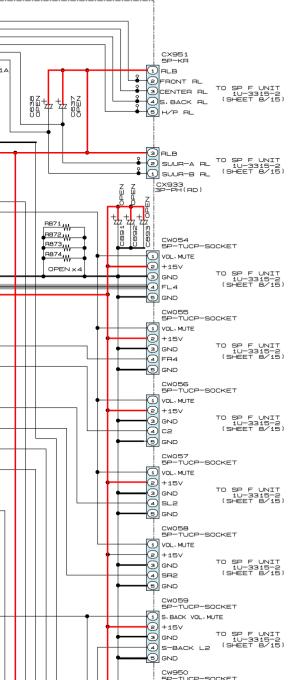


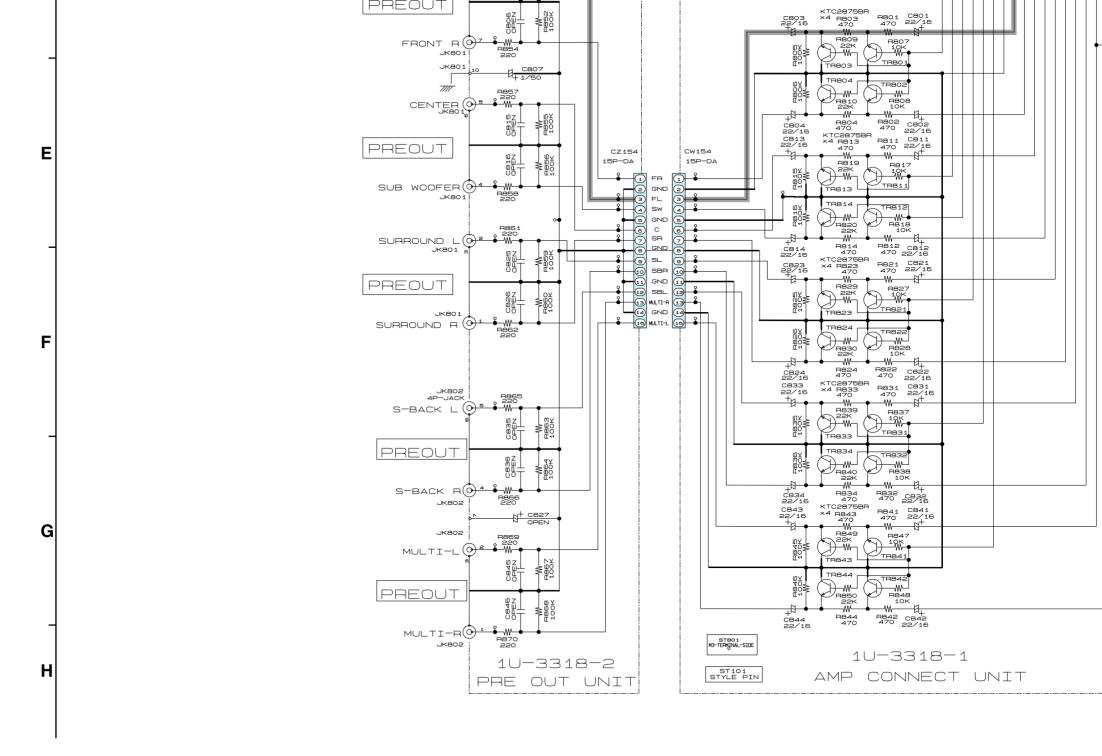


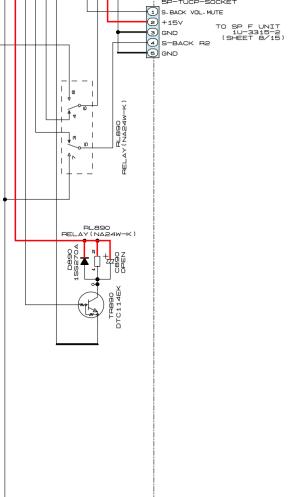
	*1	*2
	C117, 118	CX037
* USA CANADA	4.7/50	зр-ка
EUROPE	47/16	OPEN
ASIA	4.7/50	OPEN











+ B LINE SIGNAL

#### NOTICE

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CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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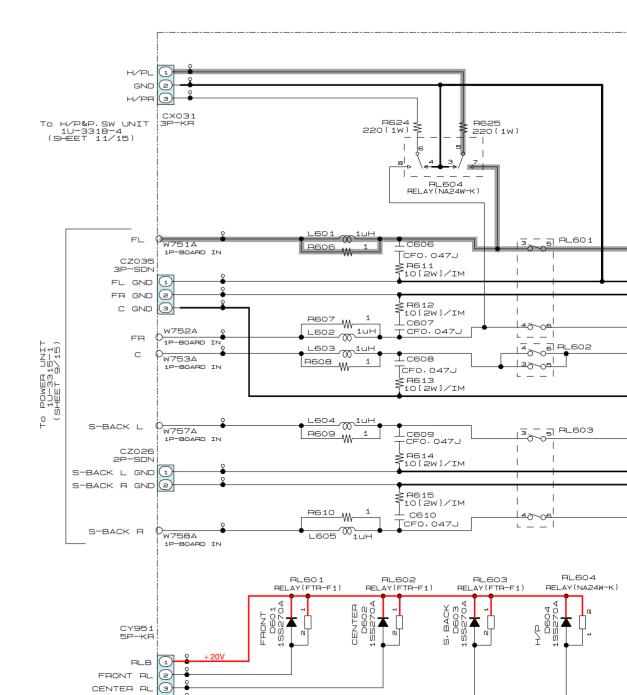
#### WARNING:

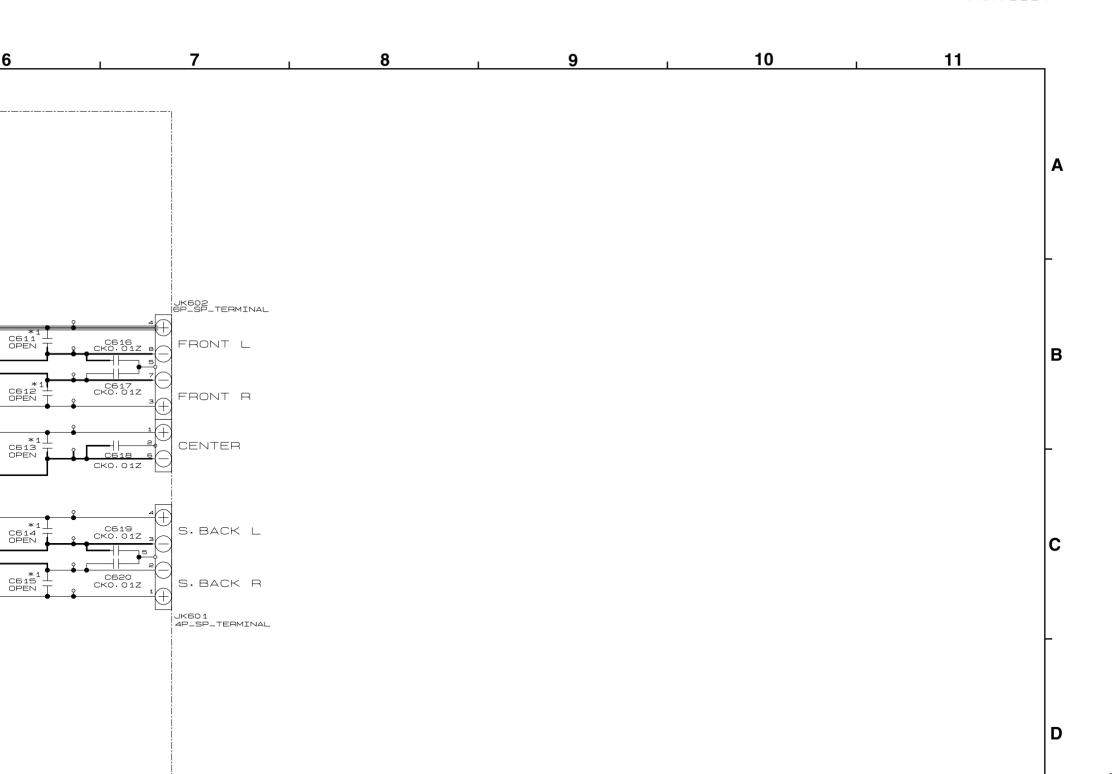
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS (7/15) 1U-3318-1 AMP CONNECT UNIT

1U 3318-2 PRE OUT UNIT

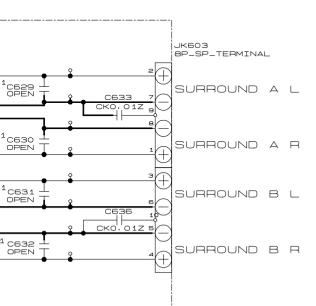
1U-3315-2 SP F UNIT 1U-3315-3 SP S UNIT 1 2 3 4 5





S.BACK H/PHONE To AMP_CONNECT U	RL 5				
To AMP CONNECT UN 1U-3318-1 (SHEET 7/15)					
214 20 40 40 25-4 140 214 214 214 214 214 214 214	GND 1	.,,	C627 CF0.047J R630 L0[2W]/IM	3	*
	GND & W756A IP-BOARD IN		R631 10[2W]/IM C628 CF0.047J		*
					*
CWS 3P-S	SAN + 20V	RL605 RELAY(FTR-F1)  VOLUMENT CONTROL	RL606 RELAY(FTR-F1)		
SUUR-A SUUR-B To AMP CONNECT UN 1U-3318-1 (SHEET 7/15)	RL 1				

# 1U-3315-2 5P F UNIT



LU-	-33	315-3
SP	S	UNIT

	*1 C611, 612, 613, 614, 615 C629, 630, 631, 632
*USA CANADA	OPEN
EUROPE	CQ0.01
ASIA HONG KONG	OPEN
CHINA	OPEN
TAIWAN R.O.C	CQO. 01

+ B LINE

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#### CAUTION:

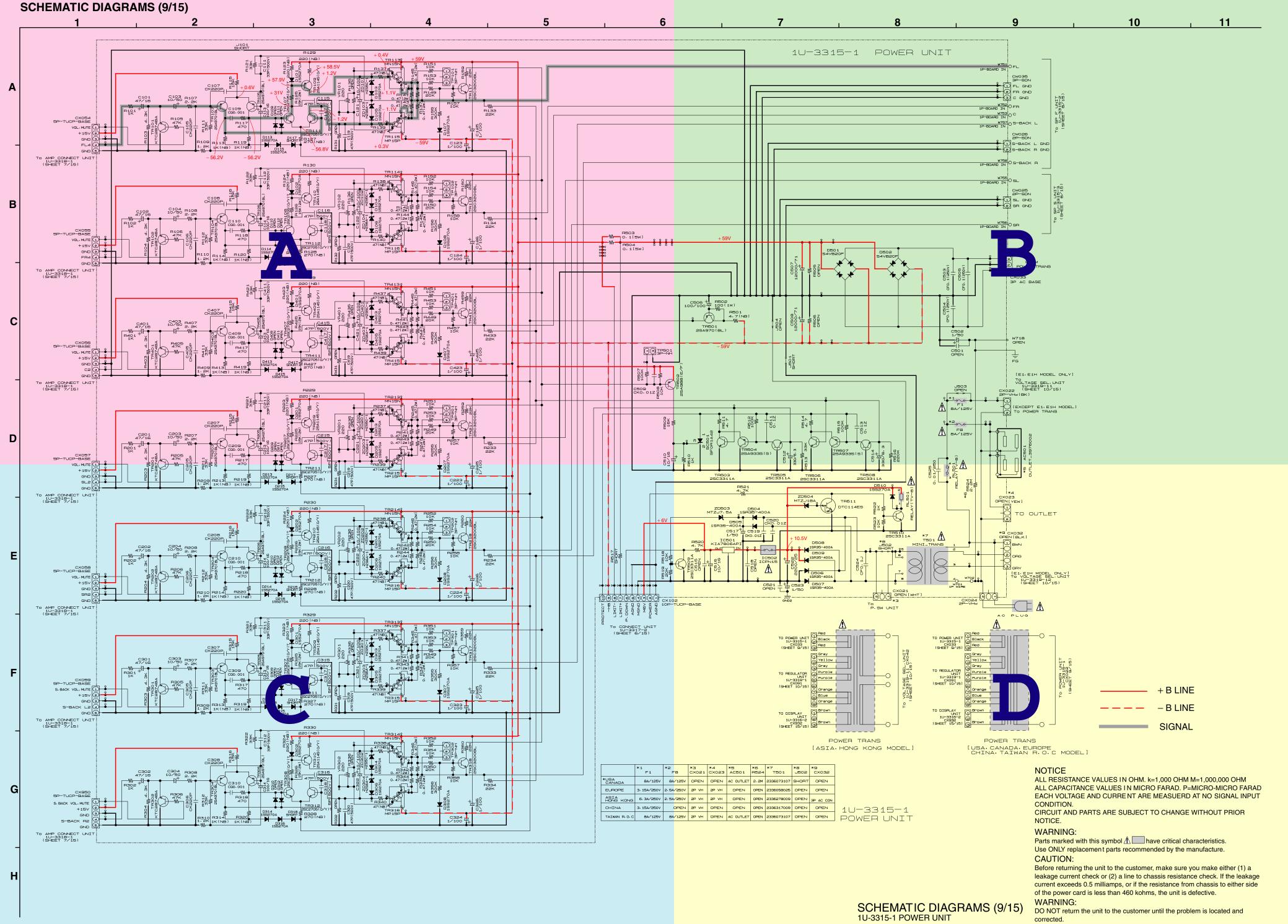
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#### WARNING:

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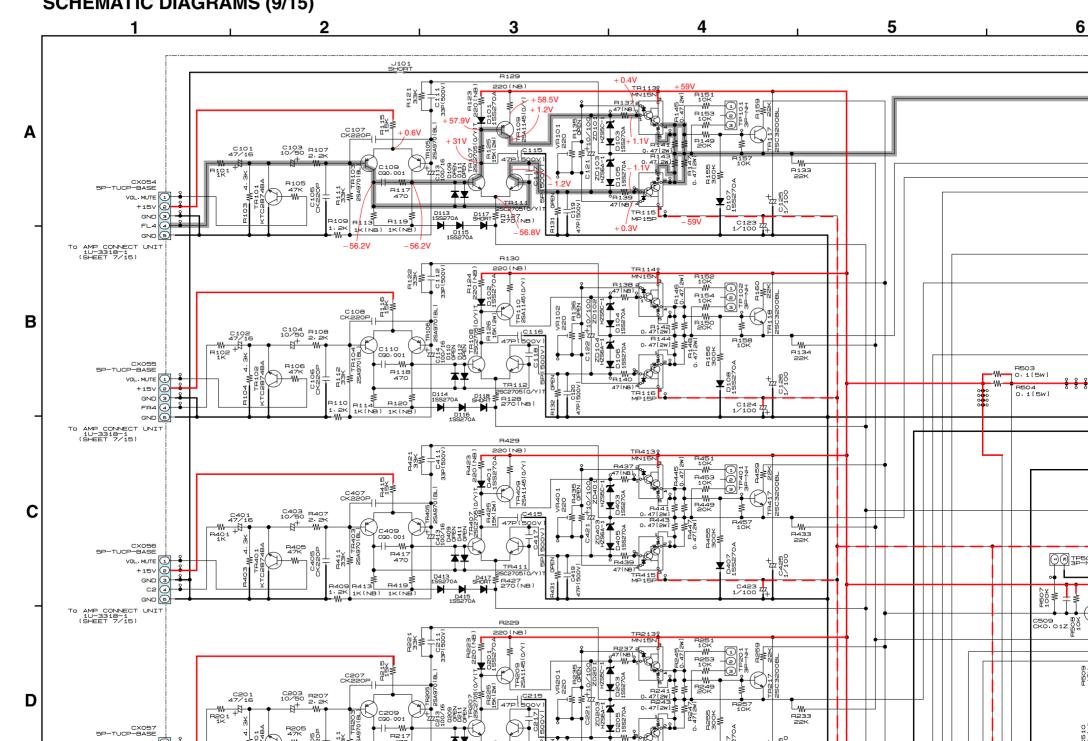
SCHEMATIC DIAGRAMS (8/15) 1U-3315-2 SP F UNIT 1U-3315-3 SP S UNIT G

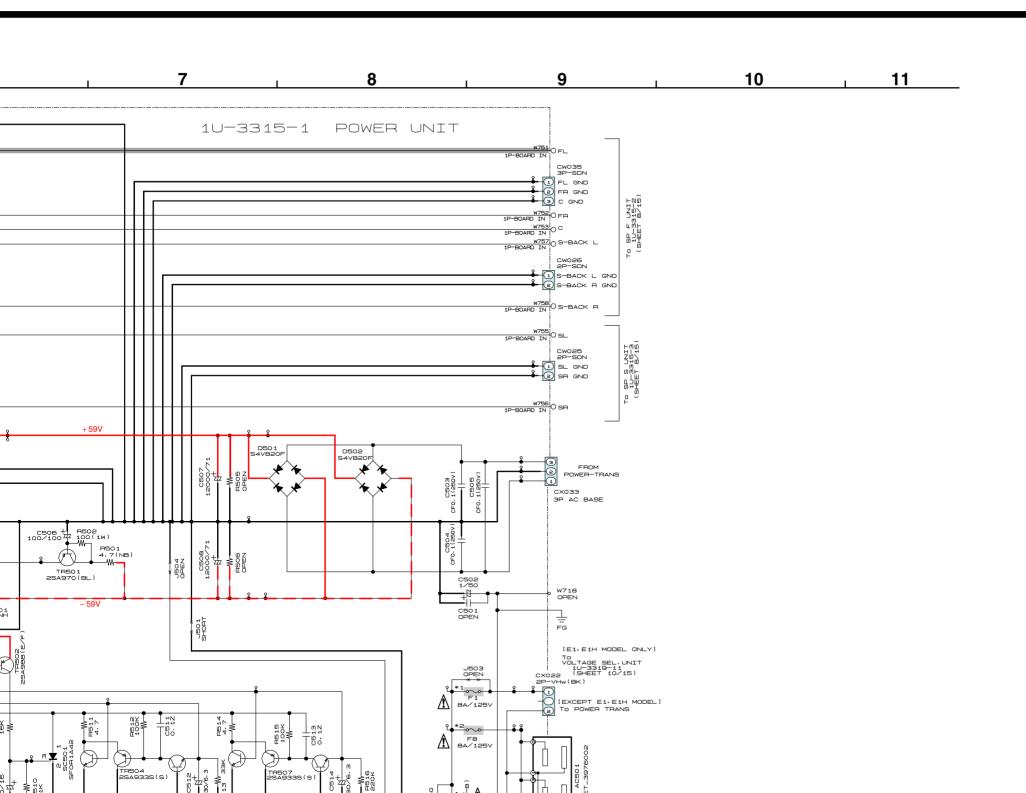
E

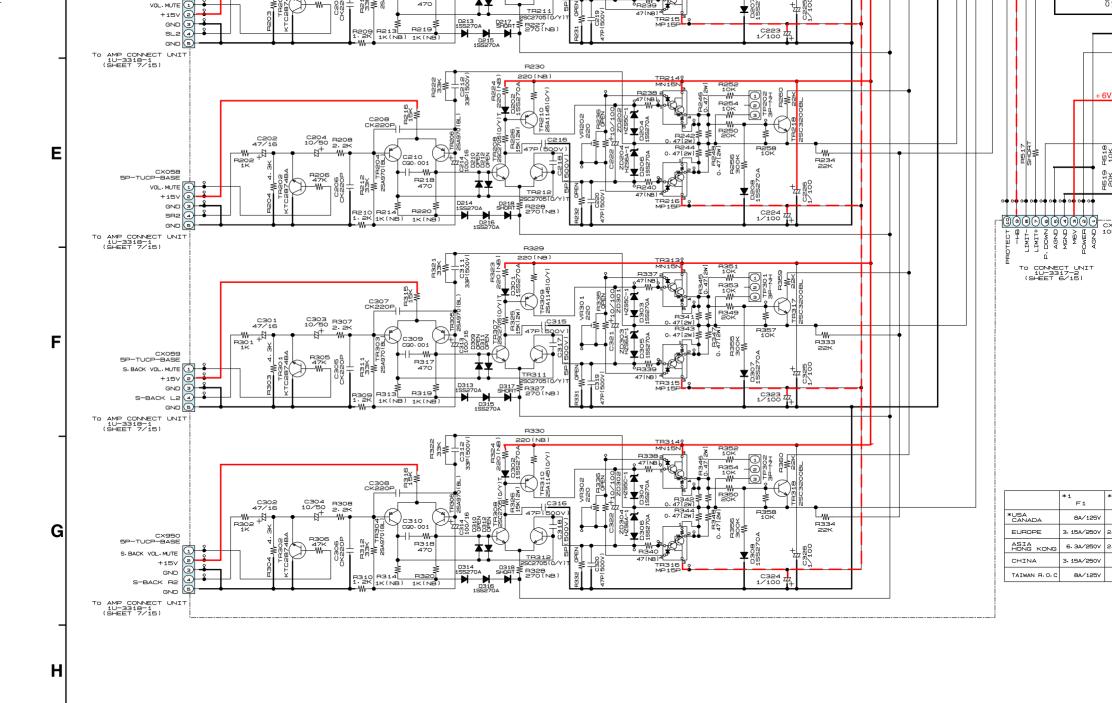


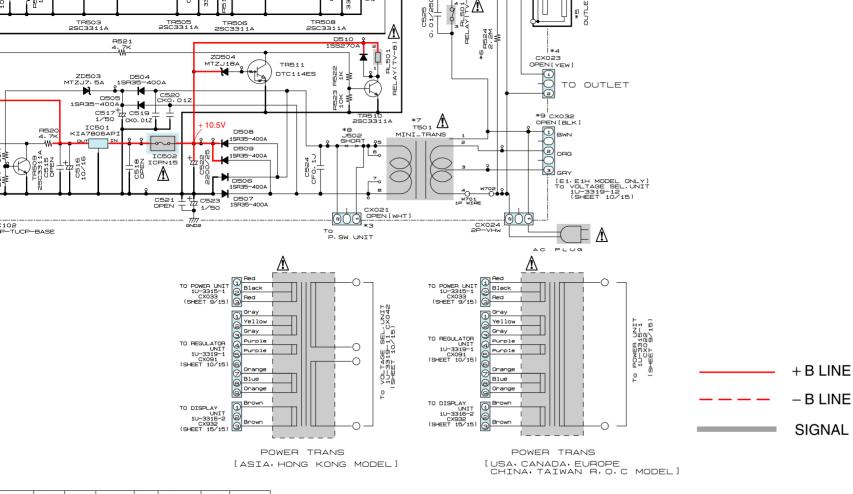
71

### **SCHEMATIC DIAGRAMS (9/15)**









2	*3	*4	*5	*6	*7	*8	*9
F8	CX021	CX053	AC501	R524	T501	J502	CX032
8A/125V	OPEN	OPEN	AC OUTLET	2.2M	2336073107	SHORT	OPEN
5A/250V	2P VH	2P VH	OPEN	OPEN	2336058025	OPEN	OPEN
5A/250V	2P VH	2P VH	OPEN	OPEN	2336278009	OPEN	3P AC CON
OPEN	2P VH	OPEN	OPEN	OPEN	2336317009	OPEN	OPEN
8A/125V	2P VH	OPEN	AC OUTLET	OPEN	2336073107	OPEN	OPEN

1U-3315-1 POWER UNTT

#### NOTICE

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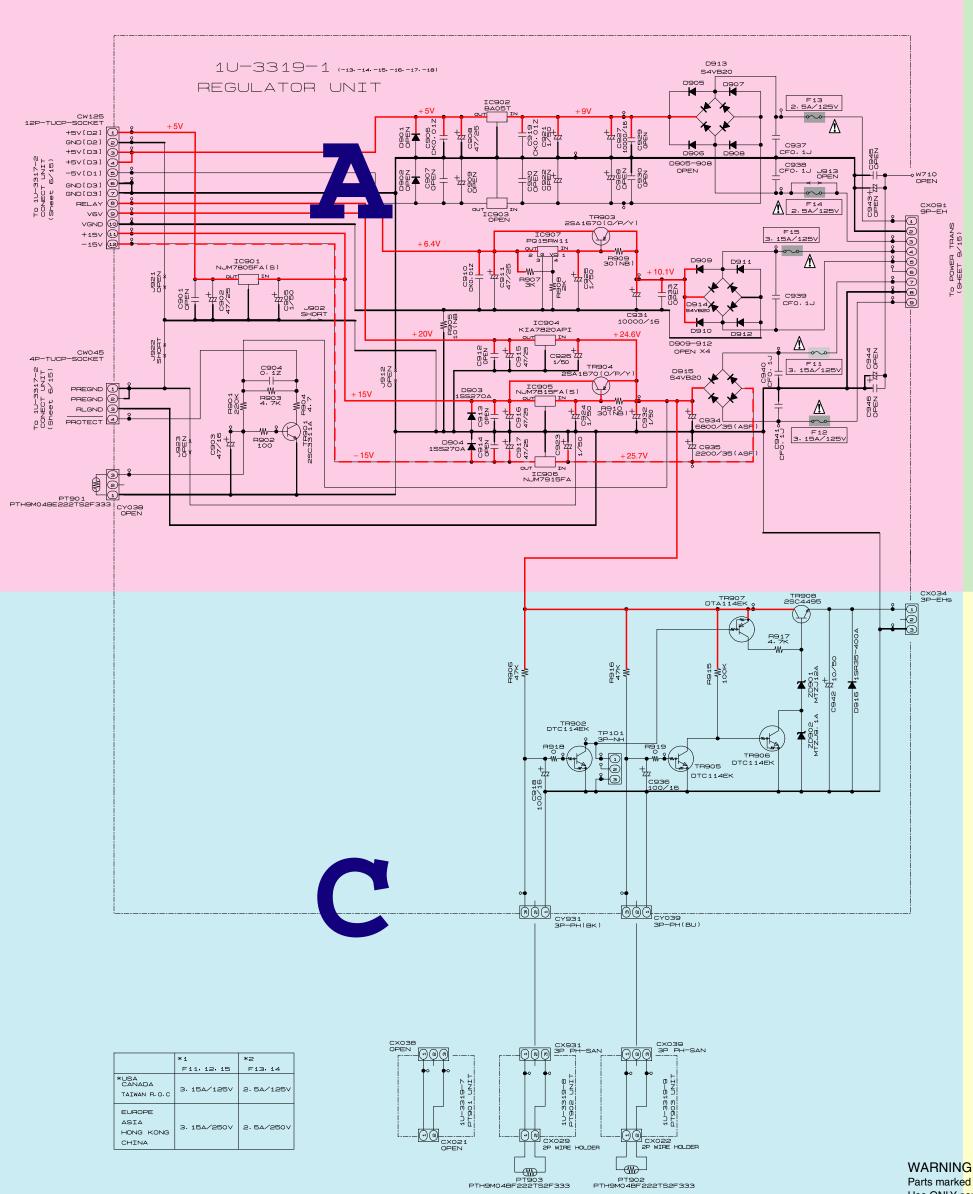
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#### WARNING:

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SCHEMATIC DIAGRAMS (9/15) 1U-3315-1 POWER UNIT



NOTICE

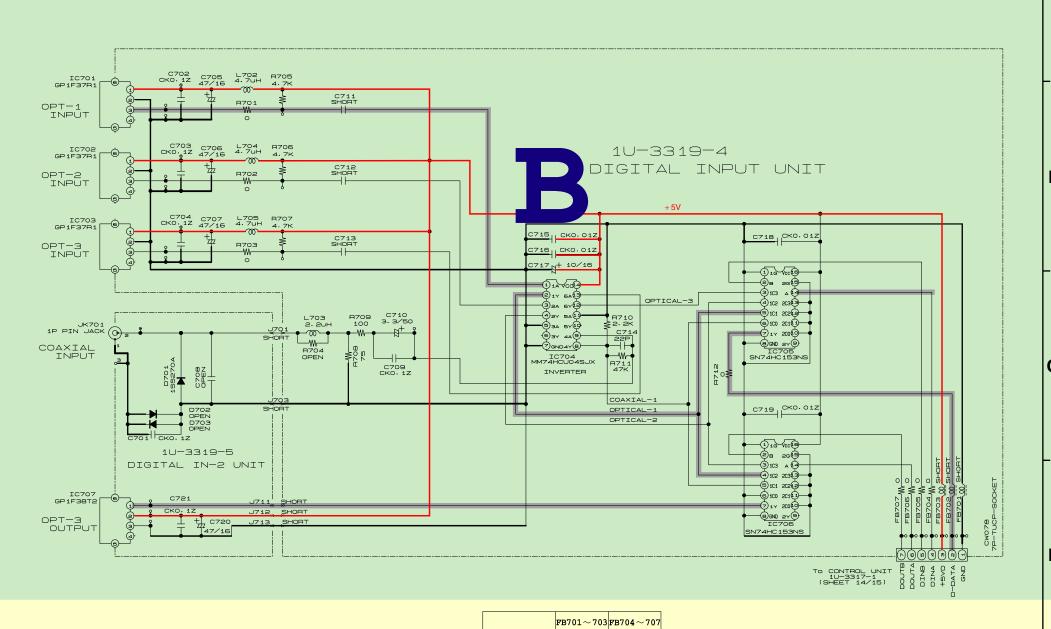
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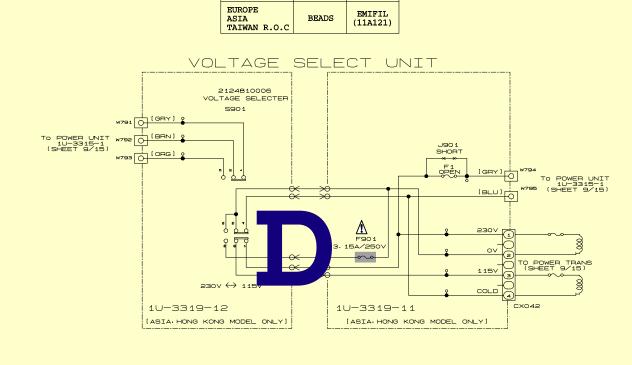
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR

ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD

EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT



USA CANCDA



SHORT

+ B LINE **— — —** — B LINE SIGNAL

AVR-3801

WARNING:

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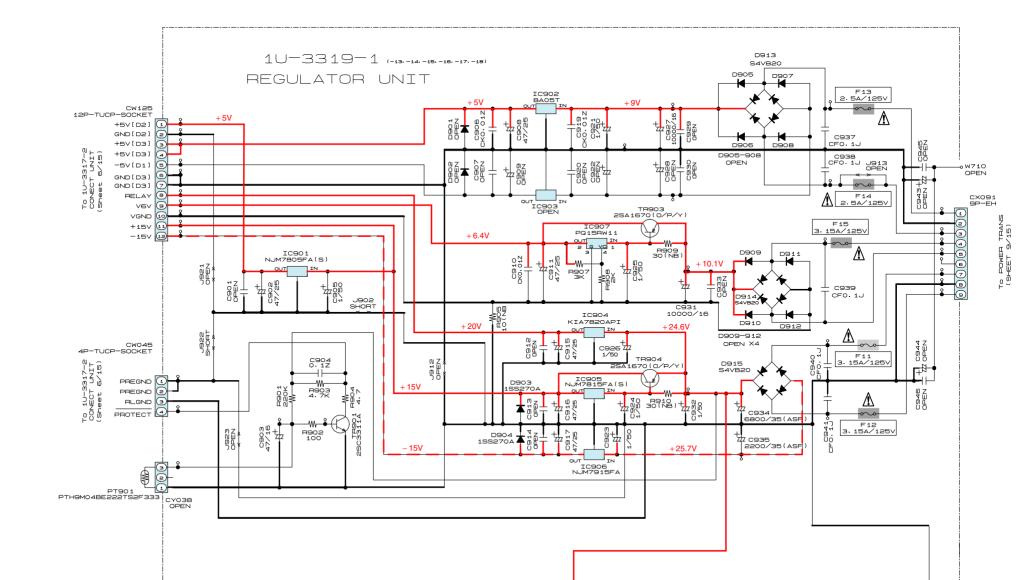
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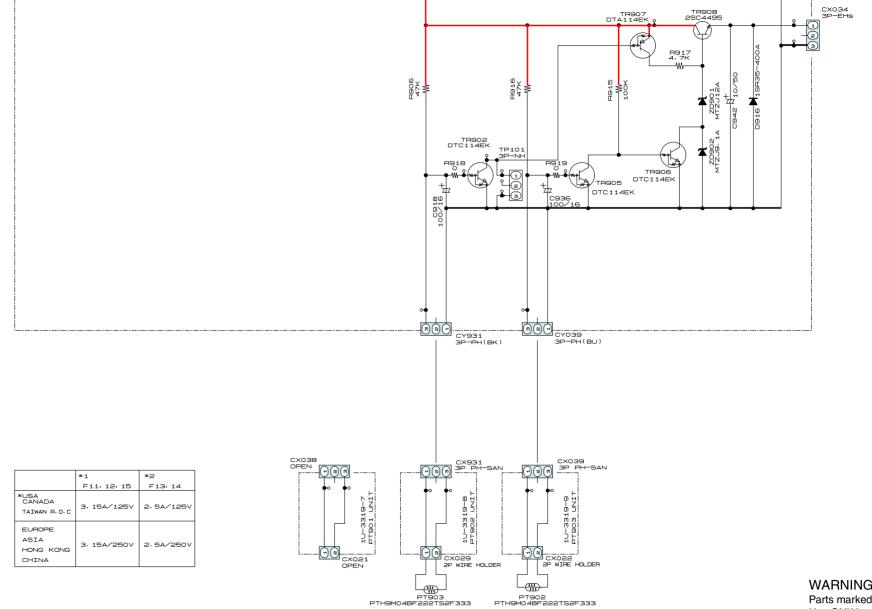
### SCHEMATIC DIAGRAMS (10/15)

1U-3319-1 REGULATOR UNIT 1U-3319-4,5 DIGITAL INPUT UNIT 1U-3319-11/1U3319-12 VOLTAGE SELECT UNIT 1U-3319-8 PT902 UNIT 1U-3319-9 PT903 UNIT

1 , 2 , 3 , 4 , 5



10 11 6 8 9 Α C702 C705 L702 R705 CK0. 1Z 47/16 4. 7UH 4. 7K IC701 GP1F37R1 C711 SHORT R701 OPT-1 ÏINPŪT C703 C706 L704 CKO 1Z 47/16 4.7UH IC702 10-3319-4 GP1F37R1 C712 SHORT DIGITAL INPUT UNIT R702 OPT-2 В -W-ÏNPŪT + 5V C704 C707 L705 R707 CK0. 1Z 47/16 4.7UH 4.7K IC703 GP1F37R1 C715<sub>II</sub> CKO. 01Z C718 CK0.01Z OPT-3 INPUT B703 C716 | CKO 01Z -W C717 N+ 10/16 1) 1G VCC(19) -9103 A (4-**—**₽14 64€ OPTICAL-3 -d 102 203€9-- 32A 6Y(3 ■©1C1 2C2€ C710 3.3/50 L703 R709 100 -©100 2C1(1)-JK701 | 1P PIN JACK 2. 2uH (5) 3A 5Y(1) D1Y 200(0) SHORT BOND 249 IC705 SN74HC153NS COAXIAL INPUT OGND4Y(B) -11-+ F708 R704 OPEN -W F711 47K IC704 MM74HCU04SJX C R712 C709 CKO: 1Z INVERTER COAXIAL-1 C719 CKO. 01Z SHORT D702 OPEN OPTICAL-1 OPTICAL-2 D703 OPEN 1) 1G VCC(E) 10-3319-5 -Ös 20(<del>)</del> DIGITAL IN-2 UNIT -31C3 ▲ € **-**€ 102 203€ ——— 1C1 2C2€ IC707 -6100 2C1(1)-C721 GP1F38T2 J711 SHORT 7) 1 × 200 (0) J712 SHORT -000 249 IC706 OPT-3 OUTPUT + C720 47/16 SHORT D 



### NOTICE

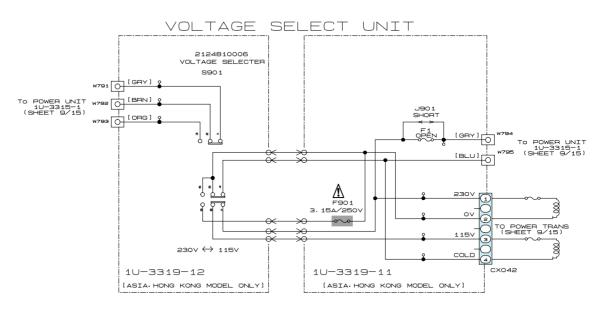
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

Parts marked
Use ONLY re
CAUTION:
Before returni
leakage curre
current excee
of the power of
WARNING
DO NOT retu

corrected.

	FB701 $\sim$ 703	FB704 $\sim$ 707
USA CANCDA	SHORT	0
EUROPE ASIA TAIWAN R.O.C	BEADS	EMIFIL (11A121)



+ B LINE - B LINE SIGNAL

with this symbol 1 have critical characteristics. placement parts recommended by the manufacture.

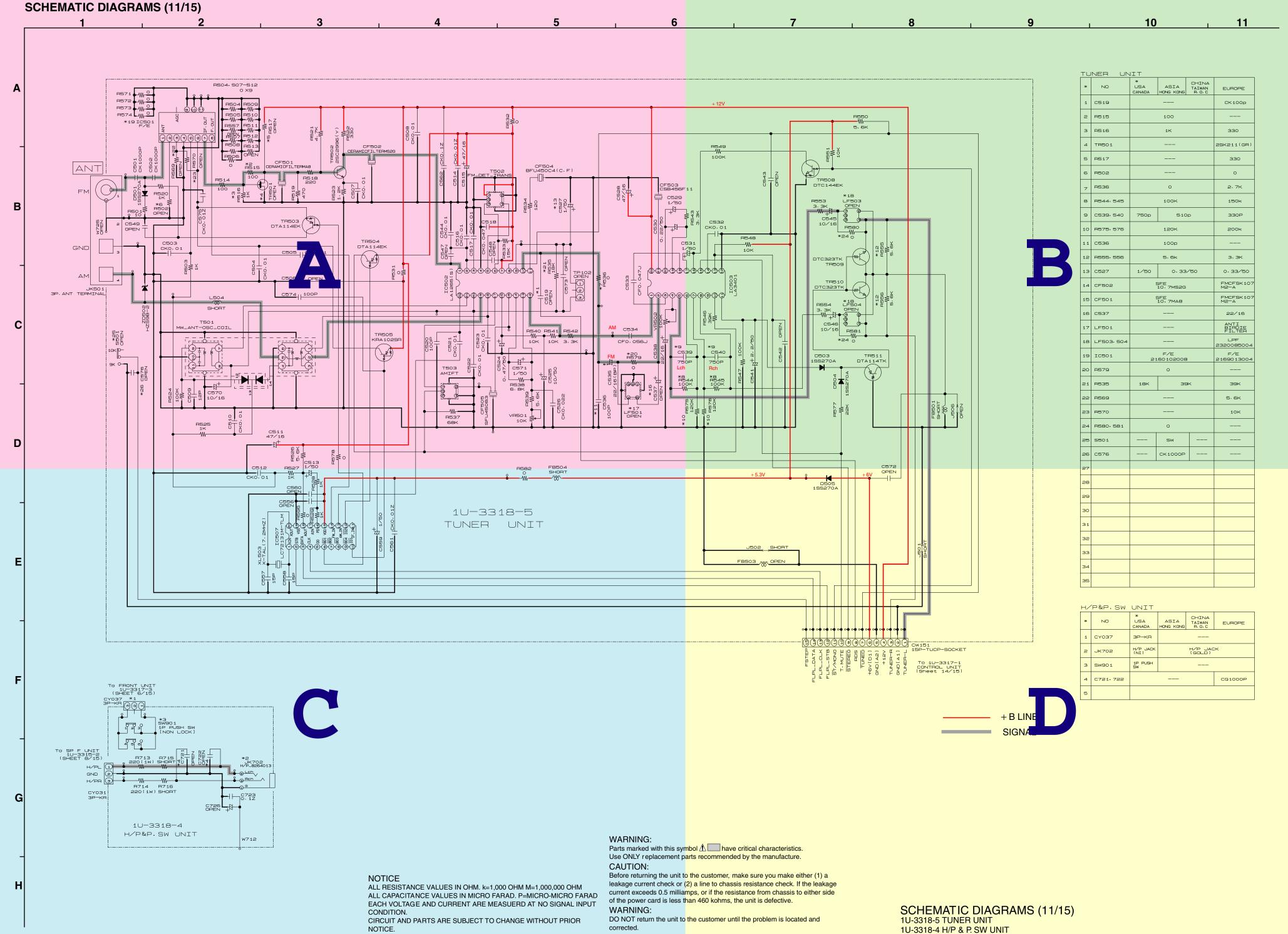
ng the unit to the customer, make sure you make either (1) a nt check or (2) a line to chassis resistance check. If the leakage ds 0.5 milliamps, or if the resistance from chassis to either side card is less than 460 kohms, the unit is defective.

rn the unit to the customer until the problem is located and

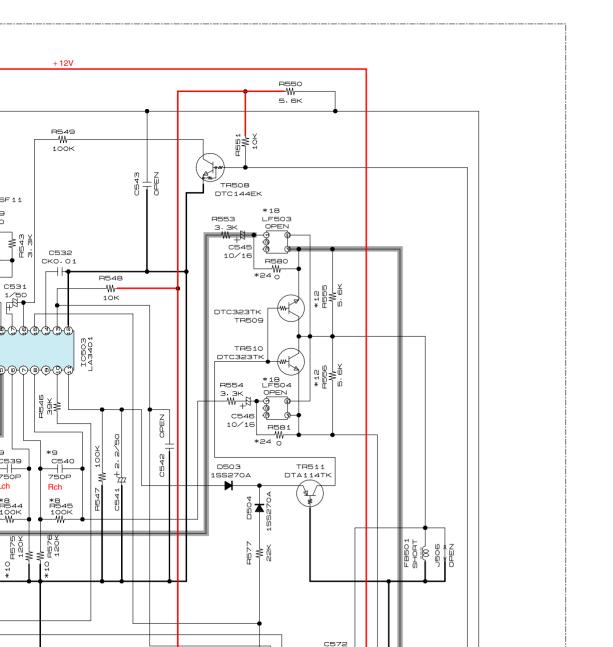
# SCHEMATIC DIAGRAMS (10/15) 1U-3319-1 REGULATOR UNIT

1U-3319-4,5 DIGITAL INPUT UNIT 1U-3319-11/1U3319-12 VOLTAGE SELECT UNIT 1U-3319-8 PT902 UNIT 1U-3319-9 PT903 UNIT

G

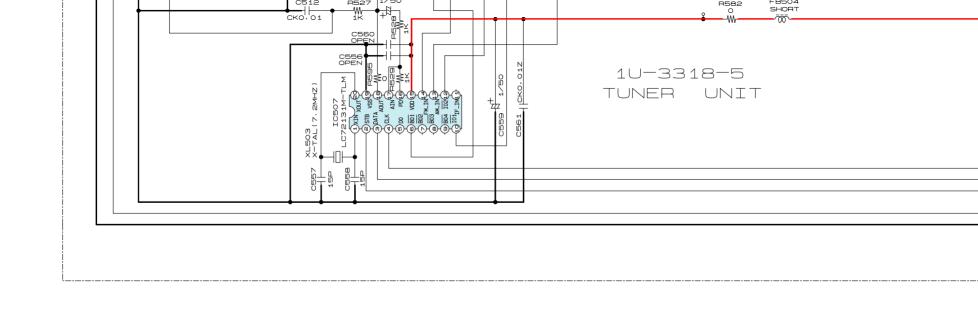


#### AVR-3801 **SCHEMATIC DIAGRAMS (11/15)** 5 B504, 507-512 Α 0 Xa \*19 IC501 C508 CKO. 01 CE502 CERAMICETLIERMS2G CF501 CERAMICFILTERMAB \*2 8515 CF504 BFU450C4(C,F) ANT FΜ R520 1K C52 \*6 Y R502 OPEN В TR503 DTA114EK C549 OPEN TR504 C503 DTA114EK GND CKO. 01 C505 | CK0.01 TP102 OPEN 1 ΑМ JK501 3P. ANT TERMINAL 1000000 C574 L100P L504 ZDE02 HZS9B-2 SHORT T501 C MW\_ANT-OSC\_COIL C534 R540 R541 R542 W W W 10K 10K 3.3K S50 000 000 000 000 000 TR505 KRA102SR CF0, 056J \*20 R579 FΜ C571 1/50 T503 AMIFT R538 C570 8≩ 10/16 CKO.05 01 VR501 R537 10K A525 1K C511 47/16 D P578



TUNER UNIT

-	NER UN	1I.L			
*	NQ	* USA CANADA	ASIA HONG KONG	CHINA TAIWAN R.O.C	EUROPE
1	C519				CK100p
2	R515	100			
з	R516		1K		330
4	TR501				2SK211(GR)
5	R517				330
6	R502				0
7	R536		0		2.7K
8	R544, 545		100K		150k
9	C539, 540	750p	510	p	330P
10	R575, 576		120K		200k
11	C536		100p		
12	A555, 556		5, 6k		3, 3K
13	C527	1/50 0.33/50			0.33/50
14	CF502	SFE 10.7MS2G			FMCFSK107 M2-A
15	CF501	SFE 10,7MA8			FMCFSK107 M2-A
16	C537				22/16
17	LF501				ANTI BIRDIE FILTER
18	LF503, 504				LPF 2320085004
19	IC501	F/E 2160102008			F/E 2169013004
20	R579	0			
21	R535	18K 39K		39K	
22	R569				5.6K
23	R570				10K
24	R580, 581	0			
25	S501		SW		
26	C576		CK1000P		
27					



To FRONT UNIT 1U-3317-3 (SHEET 6/15) CY037 \*1 3P-KB \*3 SW901 1P PUSH SW [NON LOCK] To SP F UNIT 1U-3315-2 (SHEET 8/15) 8713 8715 NT 1 220(1W) SHORT 70 1 JK702 H/P\_8264013 H/PL GND H/PR R714 R716 220 (1W) SHORT CY031 3P-KB C726 L 10-3318-4 H/P&P,SW UNIT W712

### 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 NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

### WARNING:

Parts marked with this s Use ONLY replacement

### CAUTION:

Before returning the uni leakage current check of current exceeds 0.5 mill of the power card is less

#### WARNING:

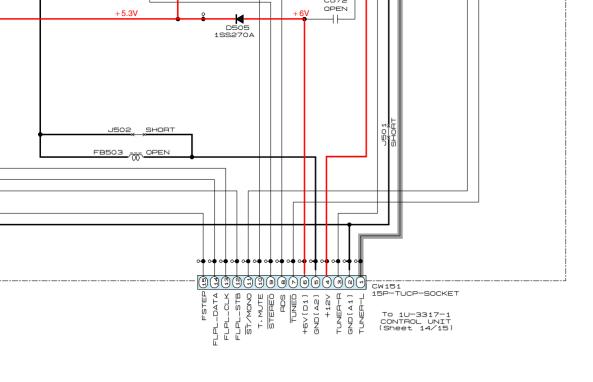
DO NOT return the unit corrected.

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28 29 30 31 32 33 34

H/P&P,SW UNIT

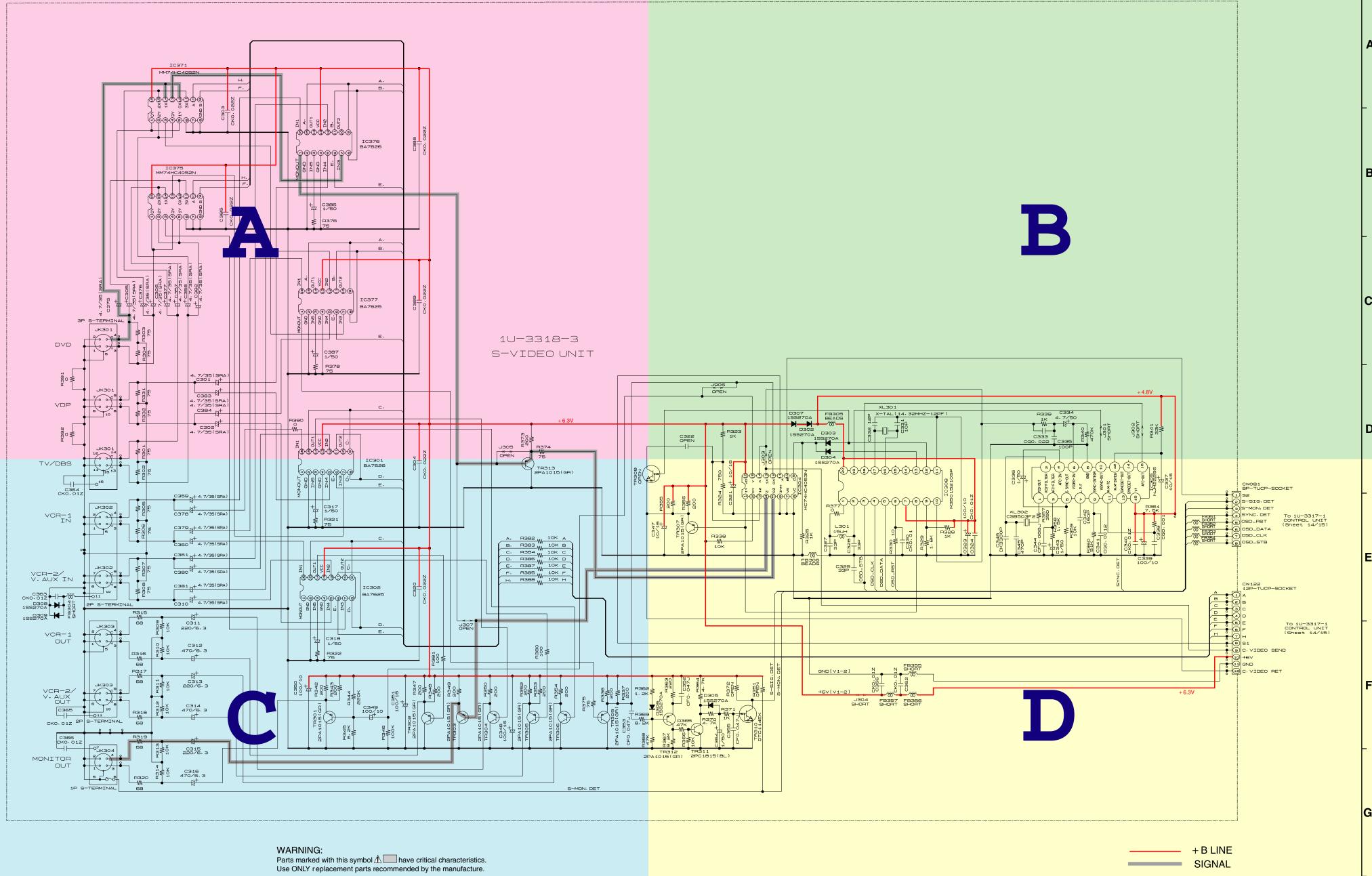
101 41:300 3111					
*	NO	* USA CANADA	ASIA HONG KONG	CHINA TAIWAN R.O.C	EUROPE
1	CY037	3P-KR			
2	JK702	H/P JACK	H/P JACK (GOLD)		
3	SW901	1P PUSH SW	н		
4	C721, 722		CQ1000P		
5					

symbol  $\hat{\Lambda}$  have critical characteristics. parts recommended by the manufacture.

t to the customer, make sure you make either (1) a or (2) a line to chassis resistance check. If the leakage liamps, or if the resistance from chassis to either side is than 460 kohms, the unit is defective.

to the customer until the problem is located and

SCHEMATIC DIAGRAMS (11/15) 1U-3318-5 TUNER UNIT 1U-3318-4 H/P & P. SW 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 EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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 460 kohms, the unit is defective. WARNING:

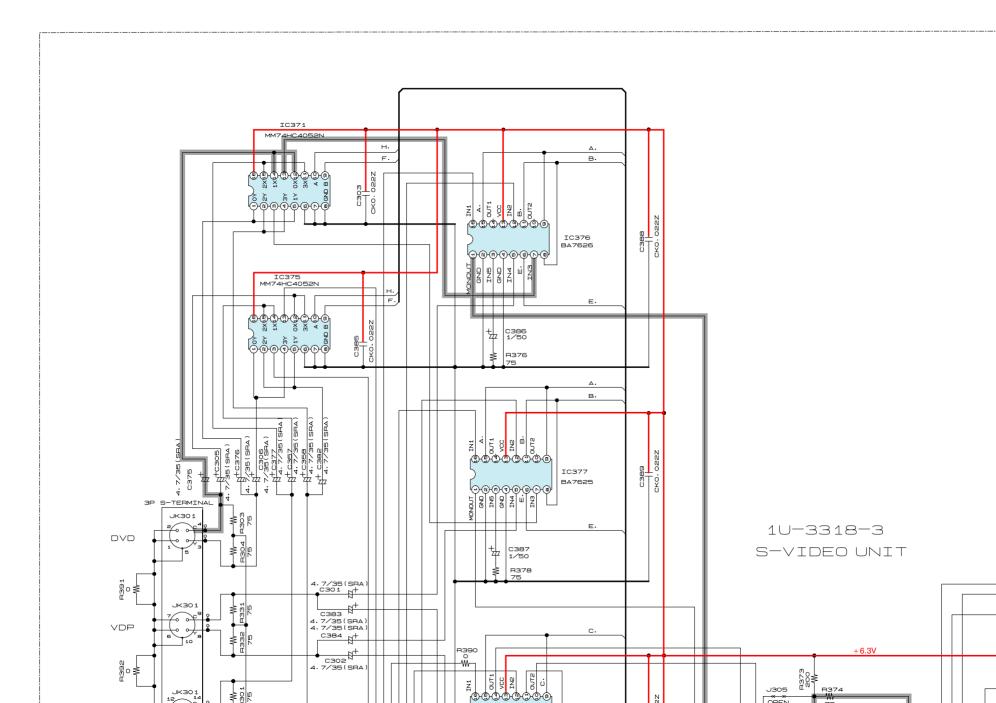
DO NOT return the unit to the customer until the problem is located and corrected.

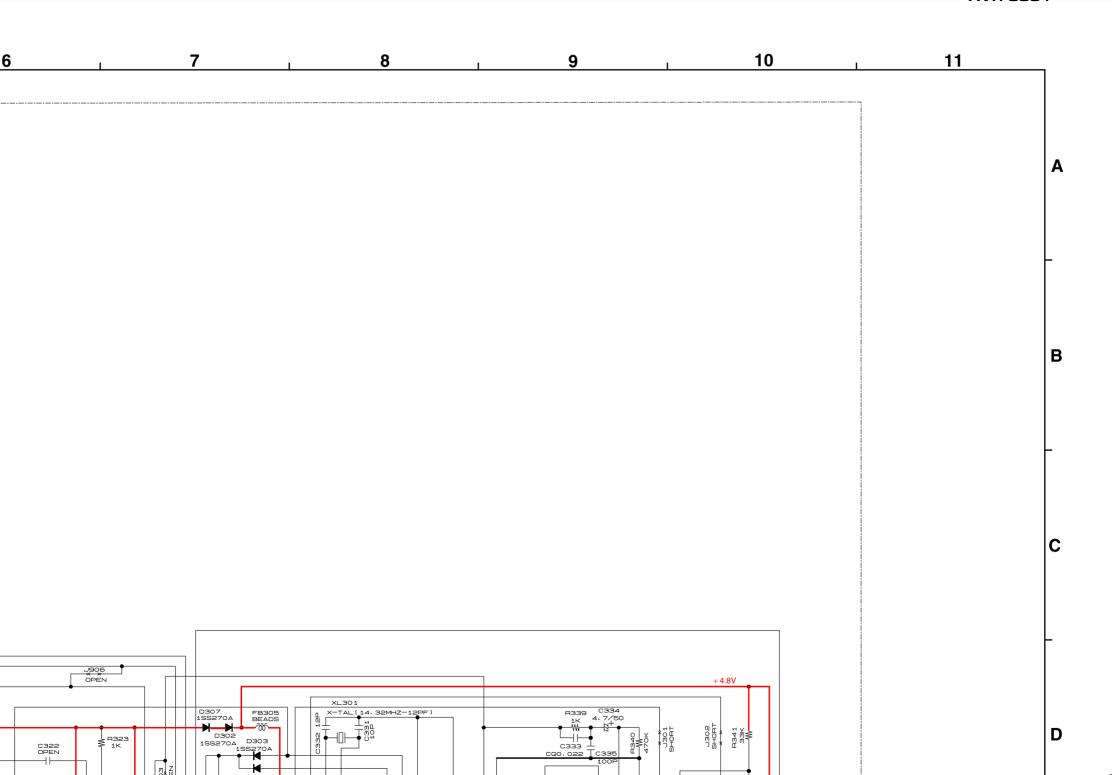
SCHEMATIC DIAGRAMS (12/15) 1U-3318-3 S-VIDEO UNIT

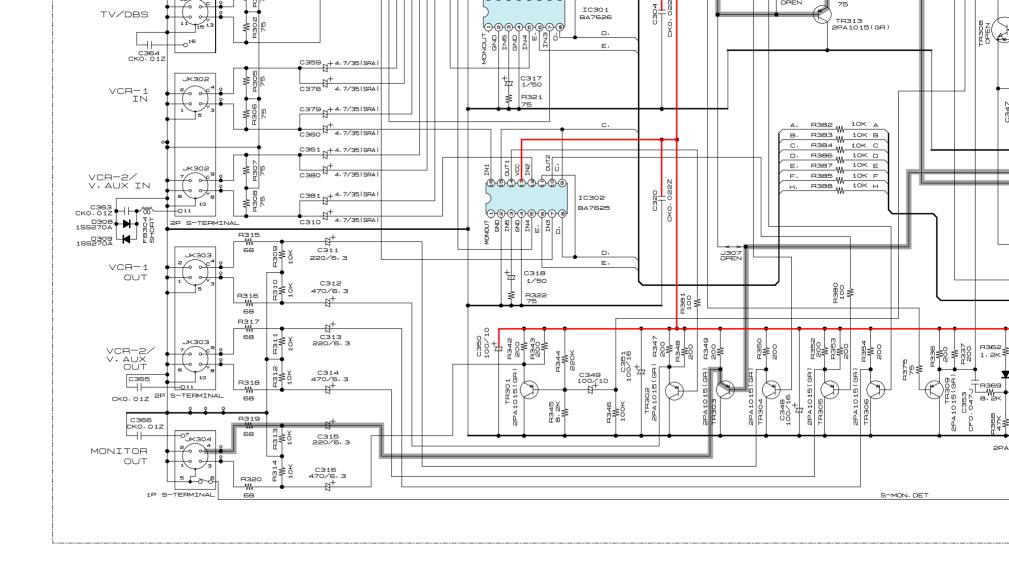
■ AVR-3801

## **SCHEMATIC DIAGRAMS (12/15)**

1 2 3 4 5







#### 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 NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

#### WARNING:

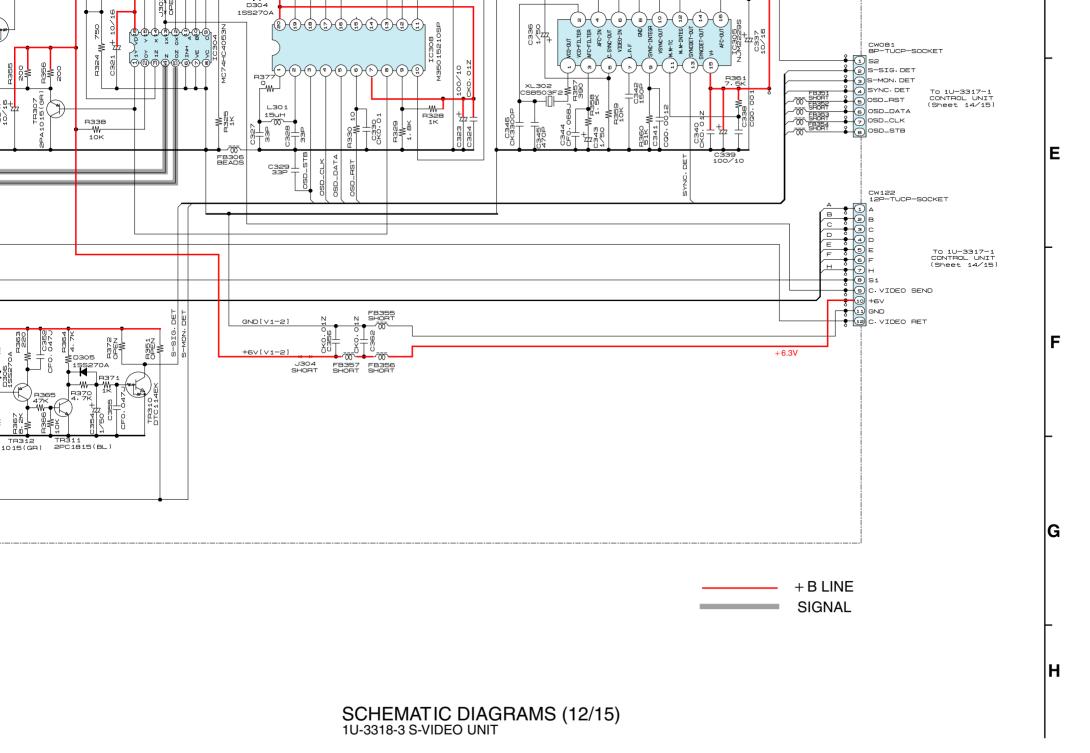
Parts marked with this symbol  $\triangle$  have critical characteristics. Use ONLY replacement parts recommended by the manufacture.

#### 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 460 kohms, the unit is defective.

#### WARNING:

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



10-3319-6

+ B LINE SIGNAL

12 C. VIDEO RET

WARNING: Parts marked with this symbol 🛕 I 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 of the power card is less than 460 kohms, the unit is defective.

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

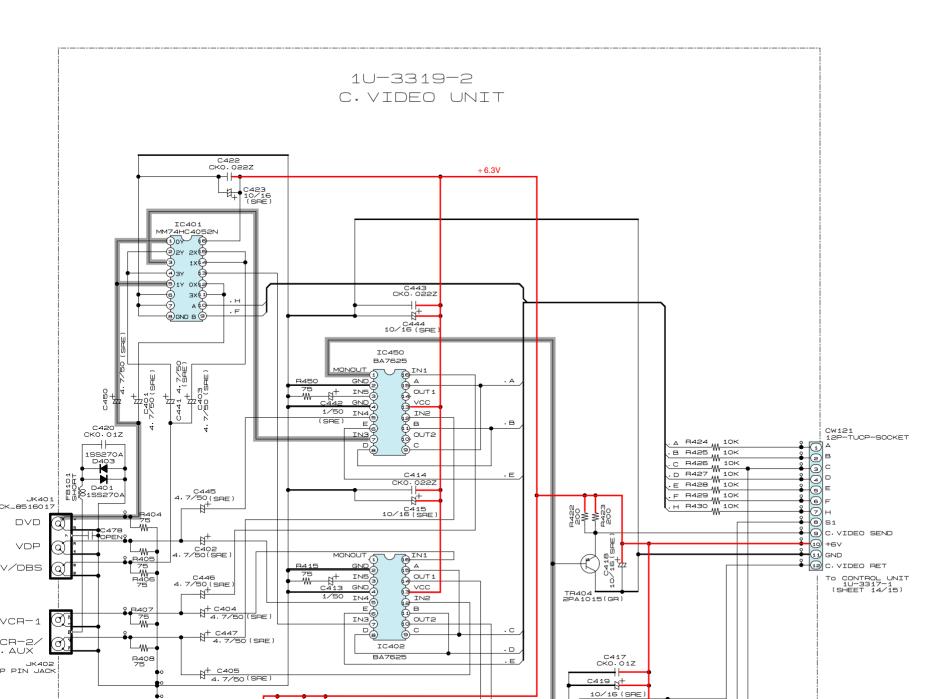
SCHEMATIC DIAGRAMS (13/15) 1U-3319-2 C.VIDEO UNIT 1U-3319-3 COMP. -VIDEO UNIT

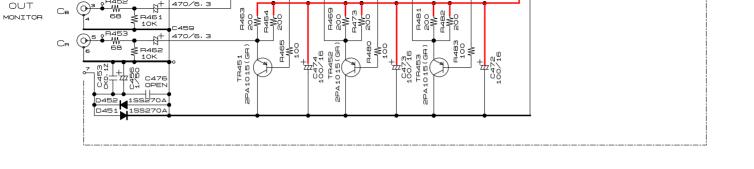
NOTICE ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD current exceeds 0.5 milliamps, or if the resistance from chassis to either side EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

3P PIN JACK

# **SCHEMATIC DIAGRAMS (13/15)** 5 Α JK451 3P PIN JACK CX041 C475 + 100/16 ZZ 4. 7/50 VIDEO+6V VIDEOGND IN DVD C467 4. 7/50 To CONTROL UNIT 1U-3317-1 (SHEET 14/15) 4.7550 В Ca +6.3V 10-3319-3 COMP. -VIDEO JK452 3P PIN JACK UNIT 4.75% IN C470 4.7/50 $T \vee$ 4. 7/50 Ca D JK453





1U-3319-6

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 NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:
Parts marked with
Use ONLY replace
CAUTION:
Before returning th
leakage current ch
current exceeds 0.

of the power card in WARNING:

DO NOT return the

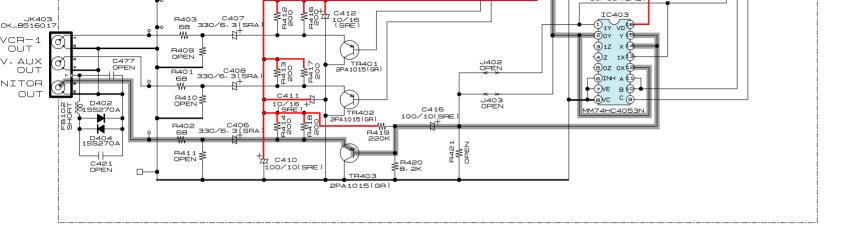
DO NOT return the corrected.

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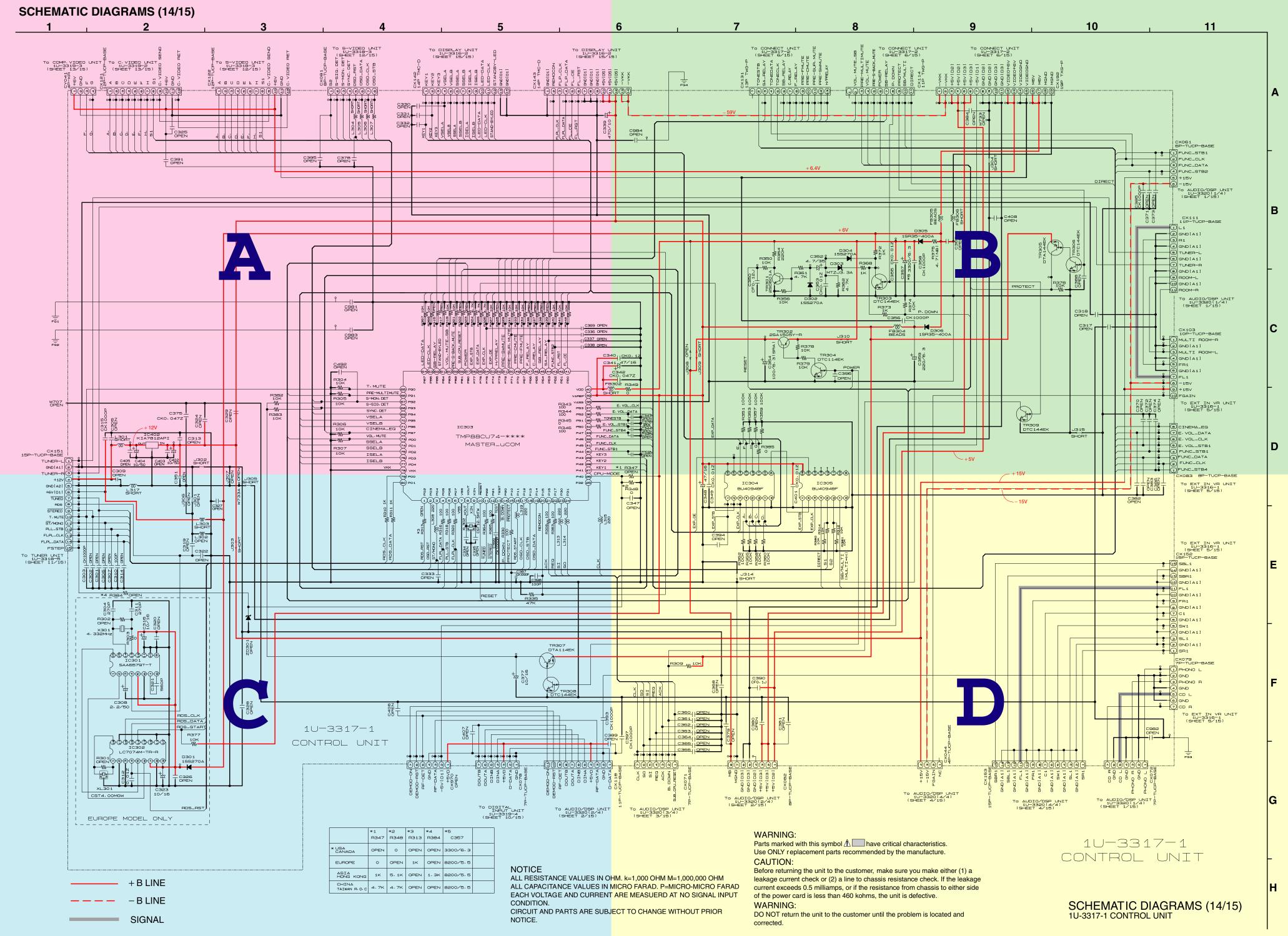
+ B LINE

this symbol  $\triangle$  have critical characteristics. ment parts recommended by the manufacture.

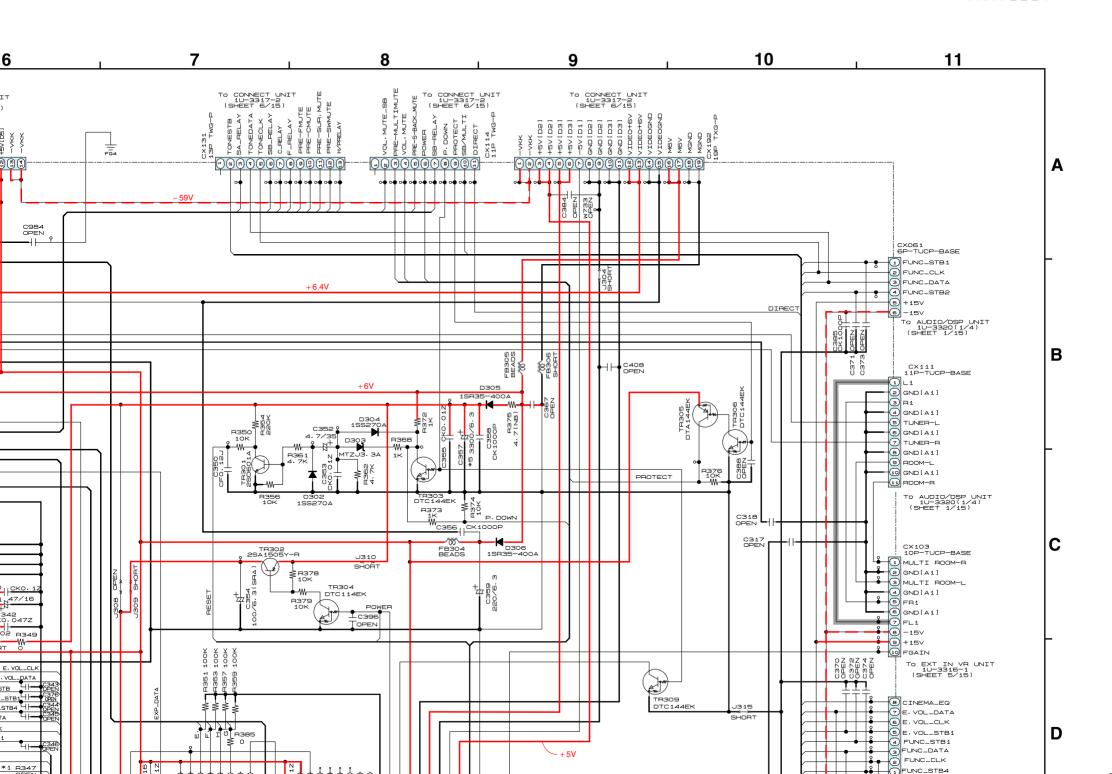
e unit to the customer, make sure you make either (1) a eck or (2) a line to chassis resistance check. If the leakage 5 milliamps, or if the resistance from chassis to either side s less than 460 kohms, the unit is defective.

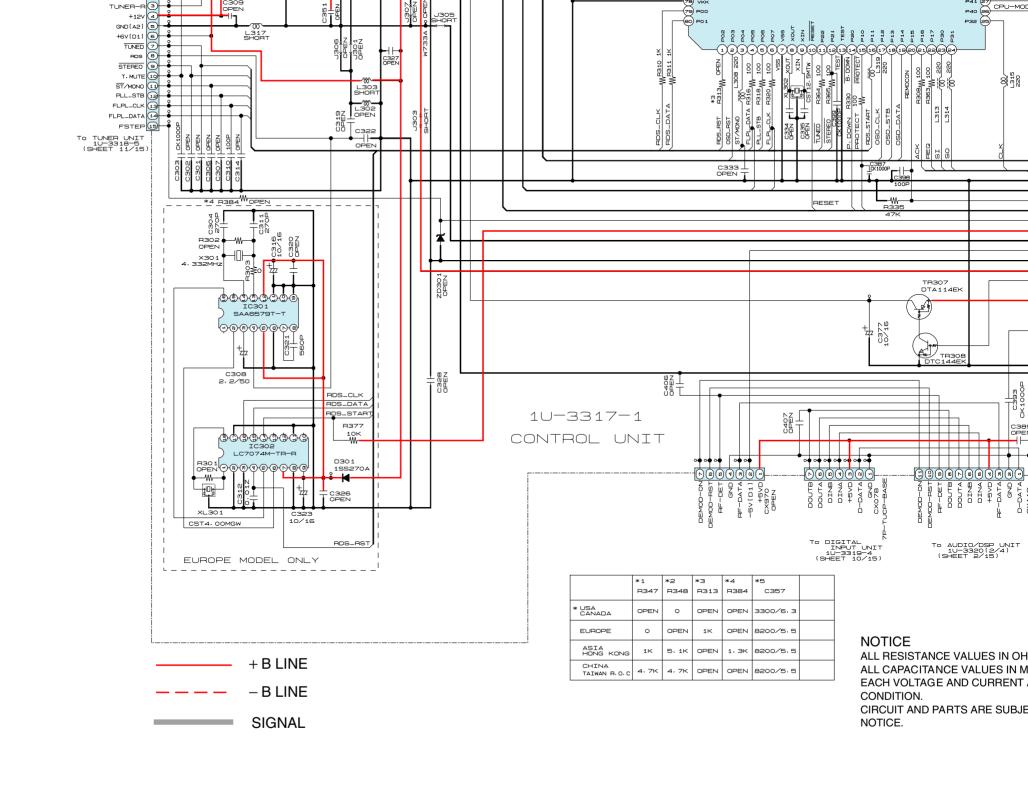
e unit to the customer until the problem is located and

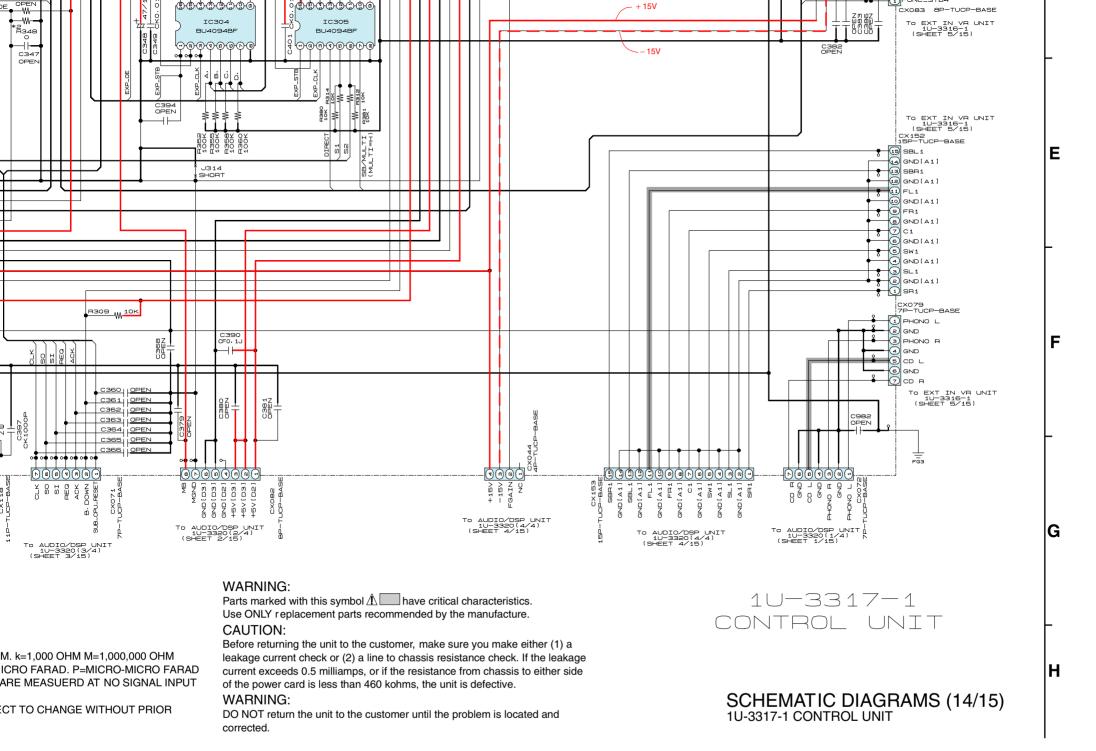
SCHEMATIC DIAGRAMS (13/15) 1U-3319-2 C.VIDEO UNIT 1U-3319-3 COMP. -VIDEO UNIT

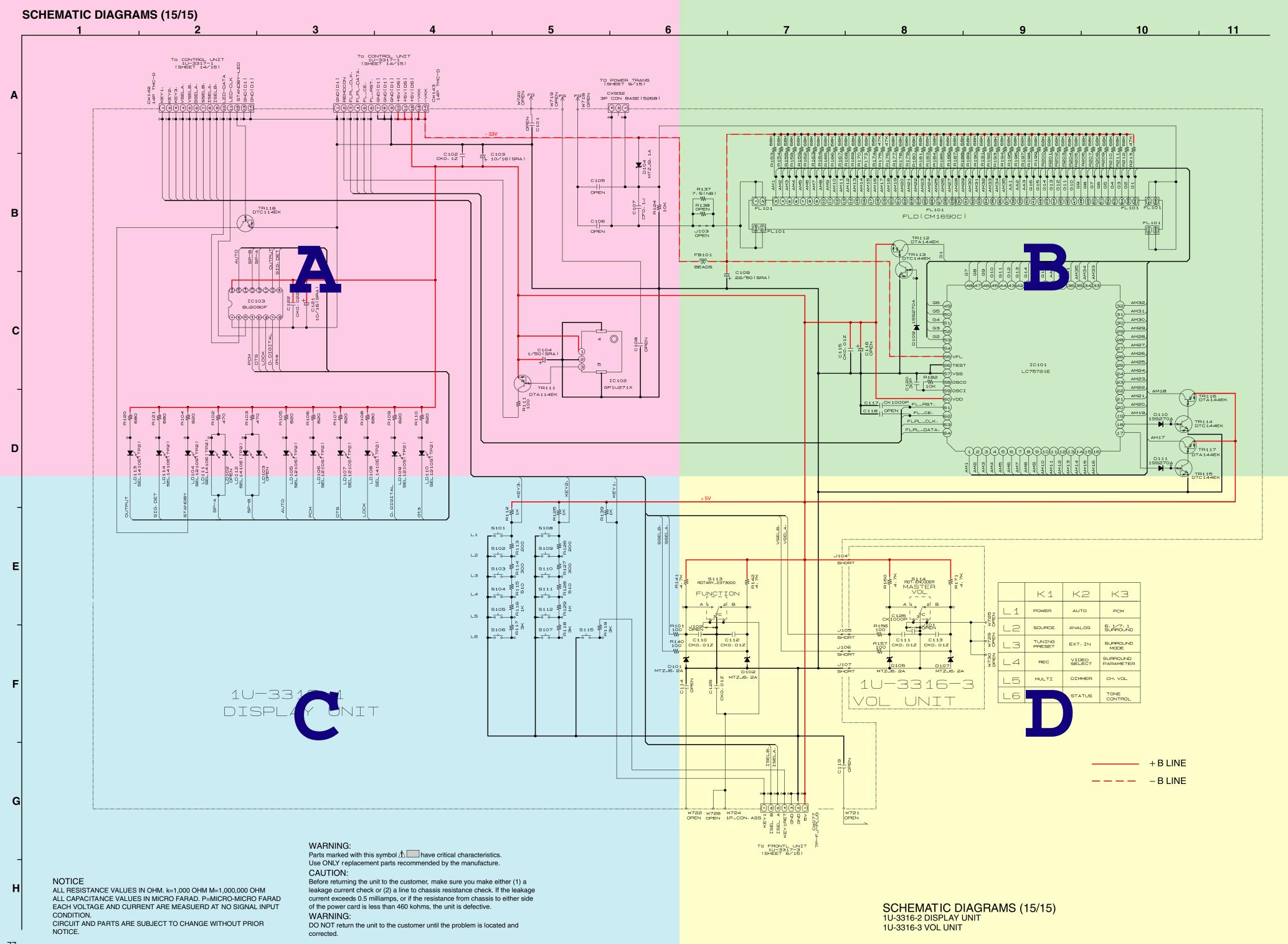


5 To S-VIDEO UNIT 1U-3318-3 (SHEET 12/15) To C.VIDEO UNIT 1U-3319-2 U (SHEET 13/15) U To S-VIDEO UNIT 0 1U-3318-3 (SHEET 12/15) To COMP.VIDEO UNIT 1U-3319-3 (SHEET 13/15) KEY3
KEY3
VSELA
VSELA
SSELA
ISELA
ISELA
ISELA
STANDBYGNO[01] CBB1 FLPL\_CLK FLPL\_DATA FL\_CE C339 Z C981 C369 OPEN C983 C338 OPEN C340 C34: 642R R304 FB3 T. MUTE <del>-</del>W-VDD 40 W SHOP PRE-MULTIMUTE 65 P91 R305 S-MON, DET 67 P92 -68 P93 -69 P94 -70 P95 W707 OPEN -W-S-SIG. DET H343 45 P51 (35) W TONES --W-SYNC. DET C375 8383 VSELA C315 CK100 CKO. 047Z VSELB R306 P50 34 W E. VOL IC303 - + 12V 10K CINEMA\_EQ IC402 KIA7812API VOL. MUTE TMP88CU74-\*\*\* C313 OPEN 73) PDO --W---SSELA MASTER\_UCOM 74) PD1 R307 FUNC\_STE CX151 15P-TUCP-BASE 75) PD2 ISELA KEY3 76) PD3 TUNER-L C405 C404 OPEN 10/50 C403 C402 OPEN 10/50 ISELB KEY2 GND[A1] KEY1

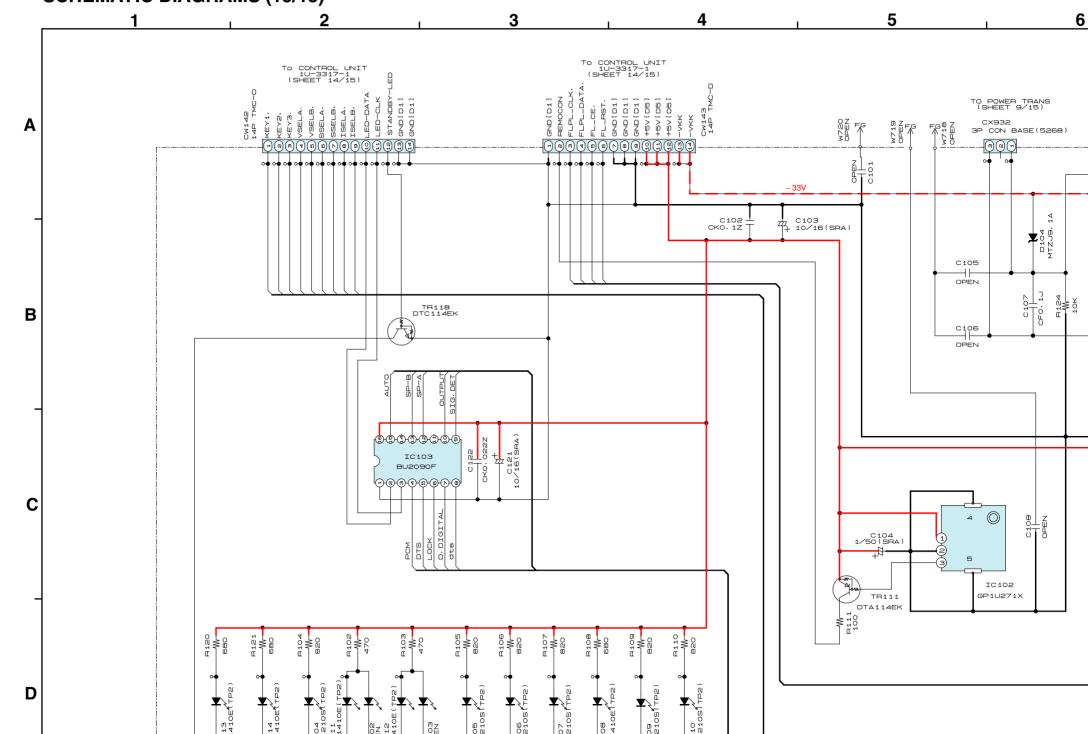




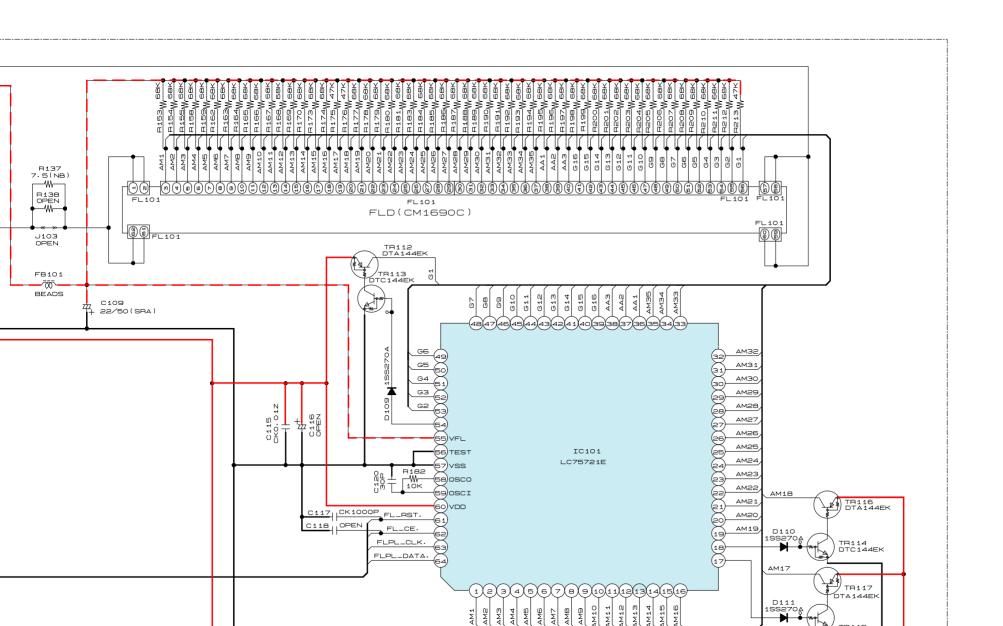


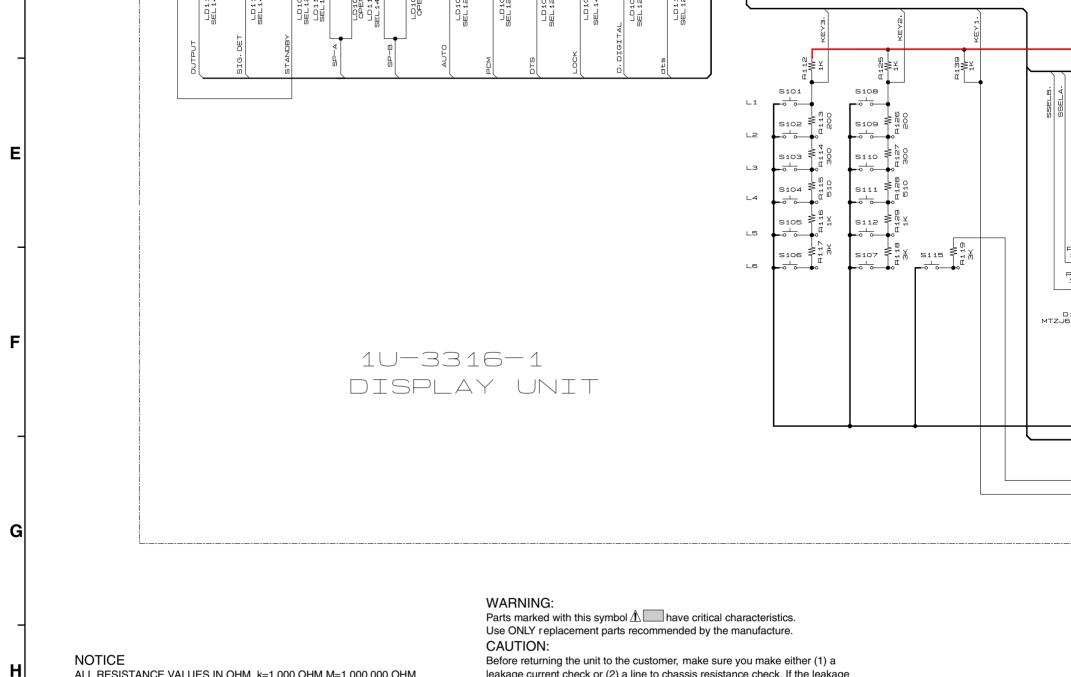


## SCHEMATIC DIAGRAMS (15/15)



, 7 , 8 , 9 , 10 , 11





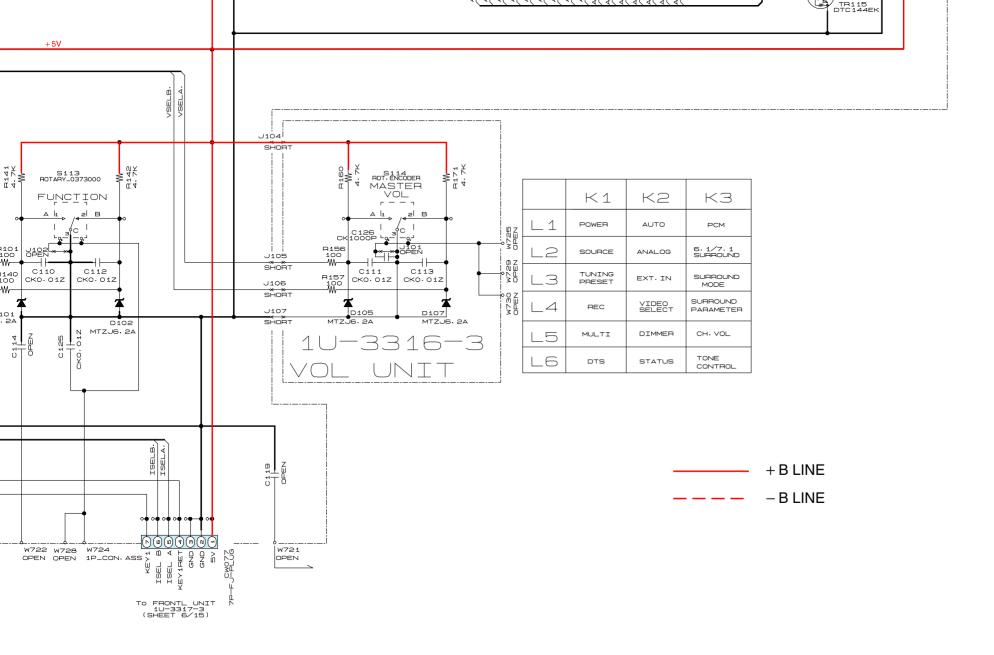
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CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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 460 kohms, the unit is defective.

#### WARNING:

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



SCHEMATIC DIAGRAMS (15/15) 1U-3316-2 DISPLAY UNIT 1U-3316-3 VOL UNIT