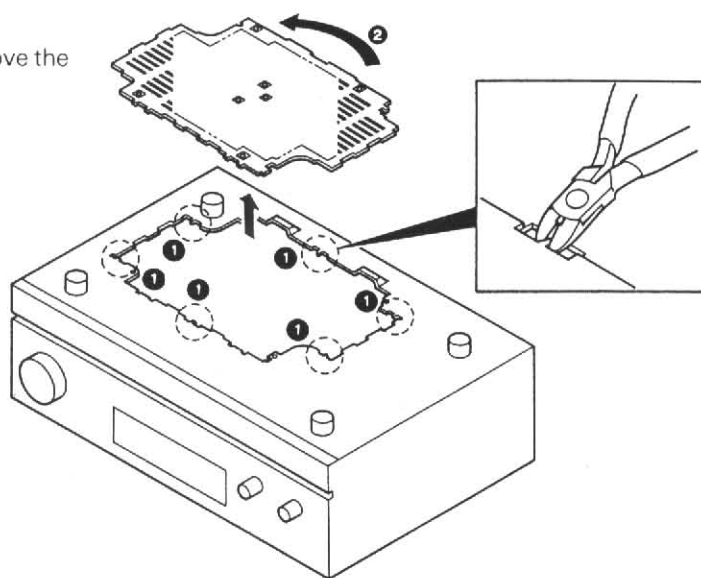


DISASSEMBLY FOR REPAIR

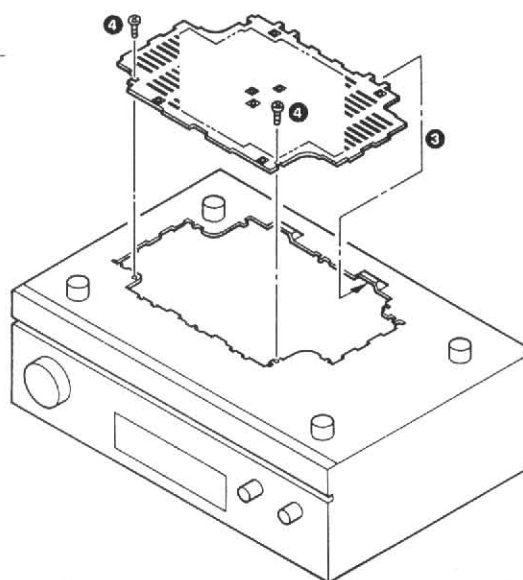
How to remove the repairing chassis

- 1 Cut the 6 parts ① of the repairing chassis. Remove the repairing chassis from main chassis.

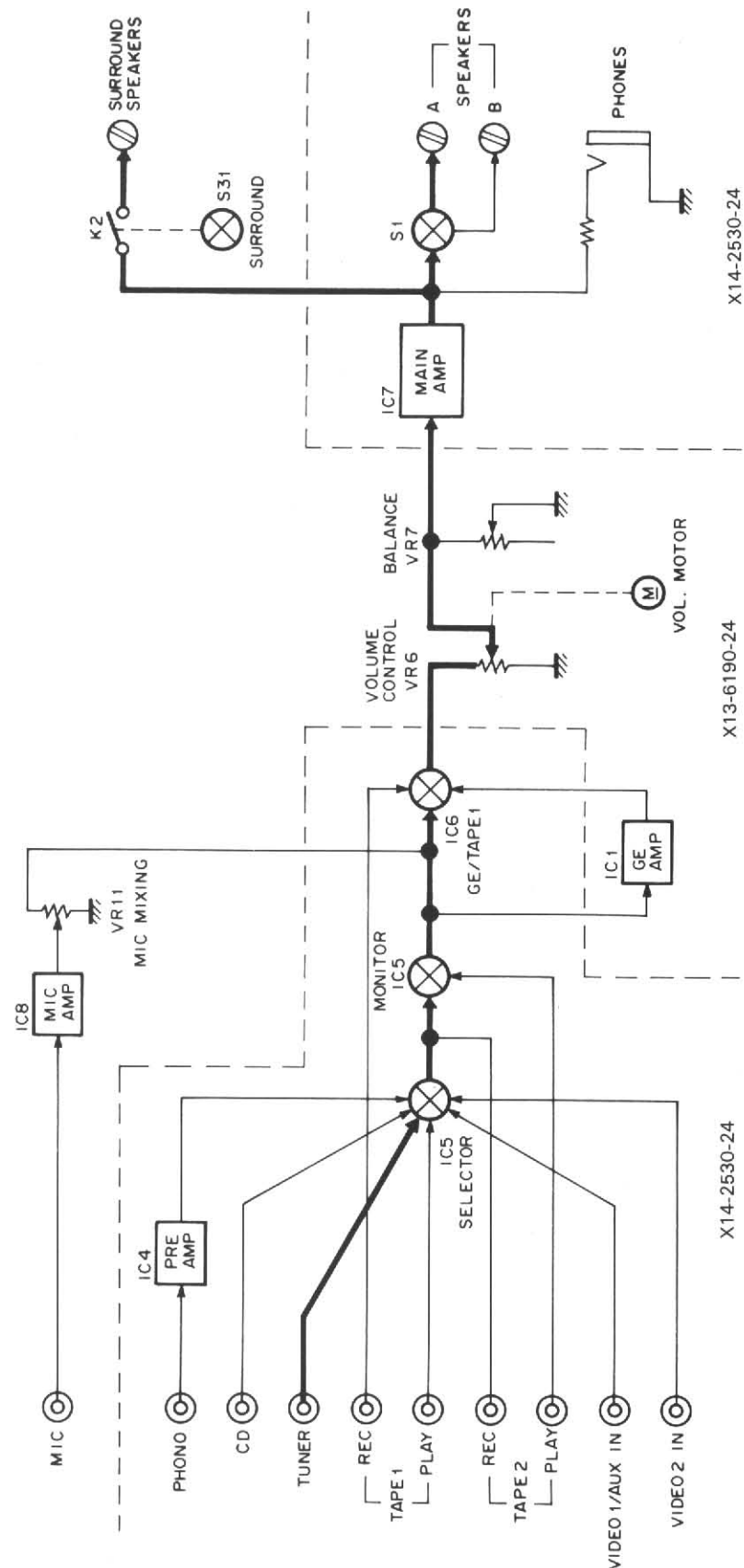


After repair

- 2 Turn the repairing chassis 180 degrees in the arrow direction ②.
- 3 Insert the 2 claws ③ into main chassis.
- 4 Lock to the main chassis by 2 screws (M3 × 6) ④.



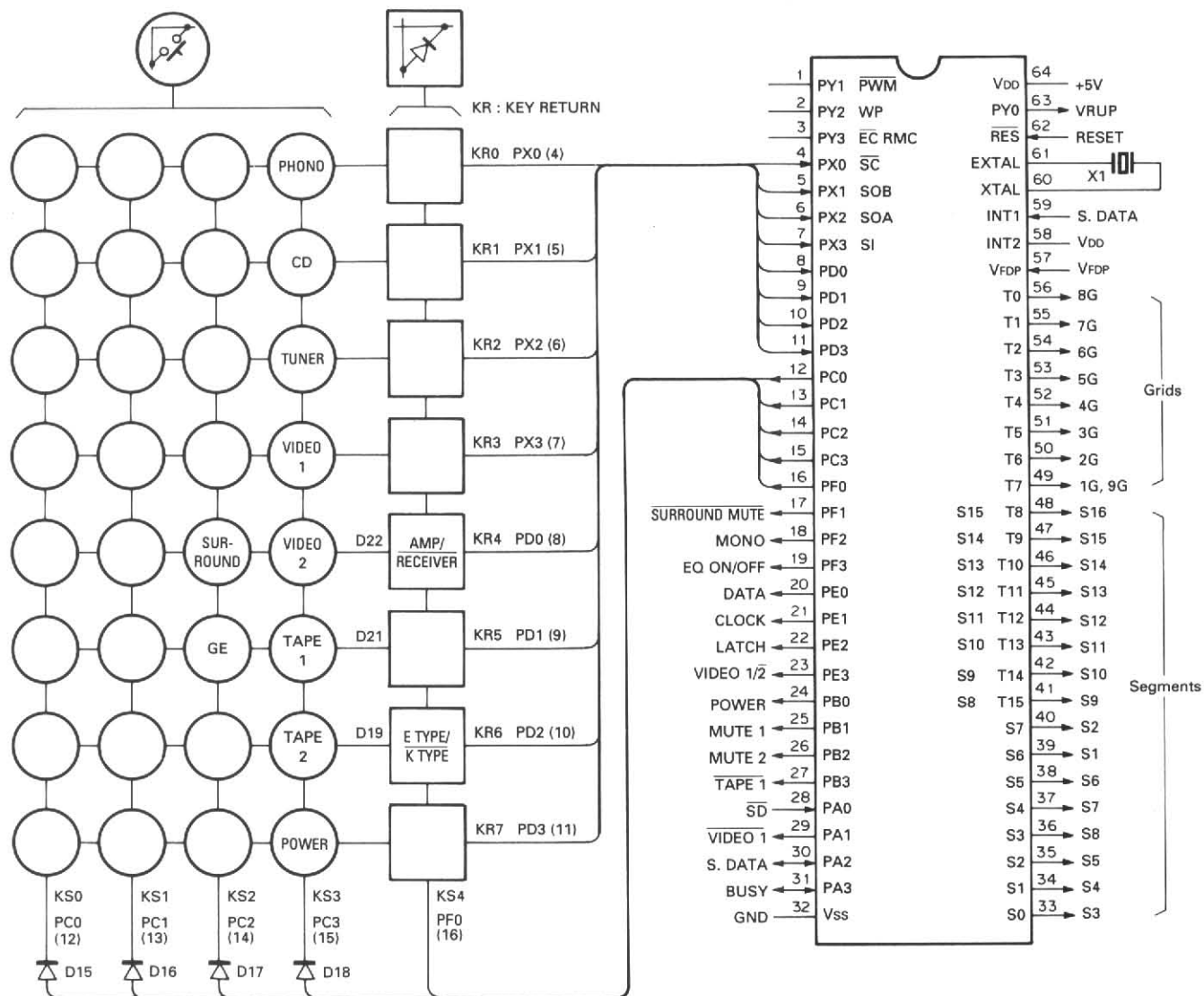
BLOCK DIAGRAM



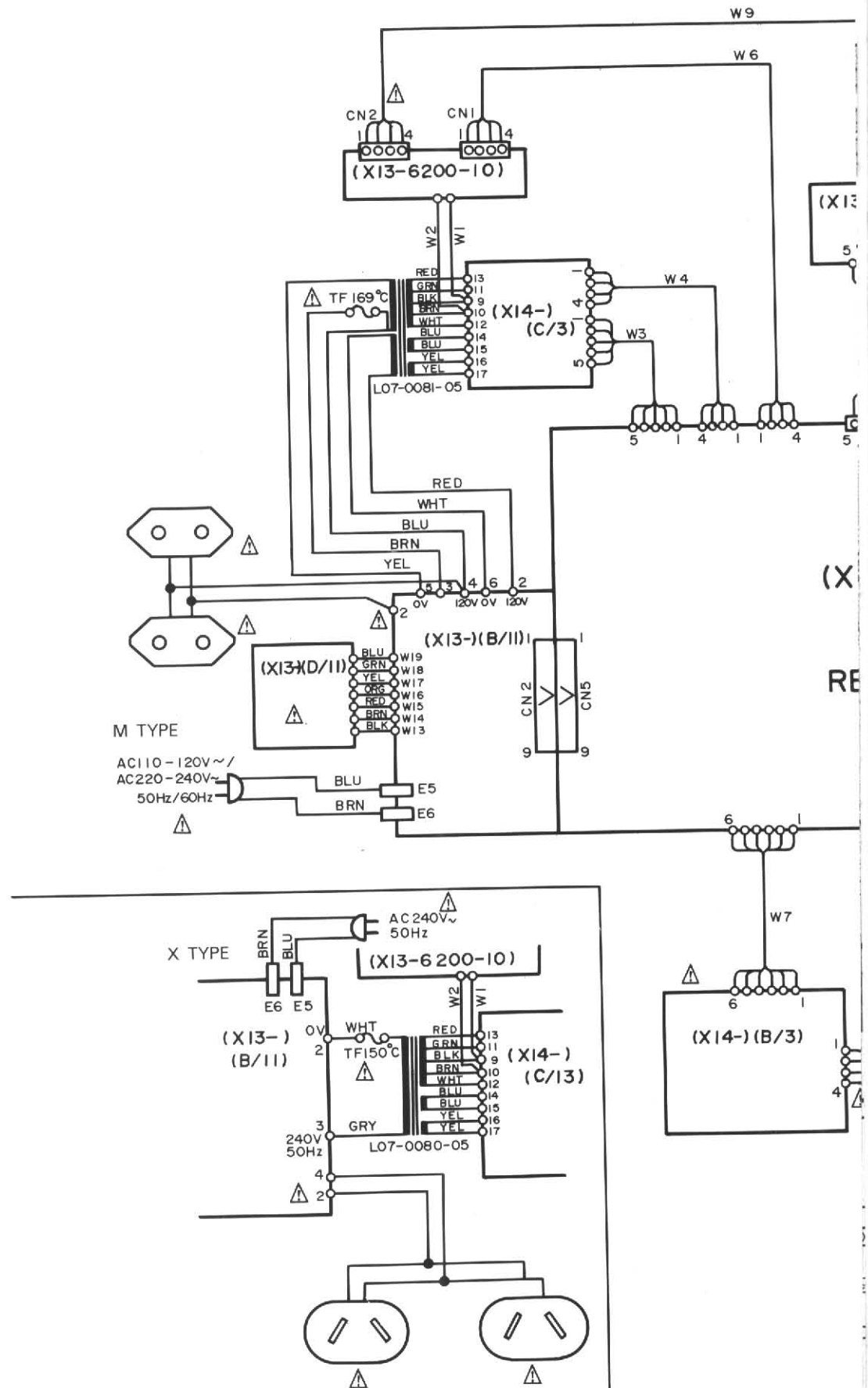
CIRCUIT DESCRIPTION

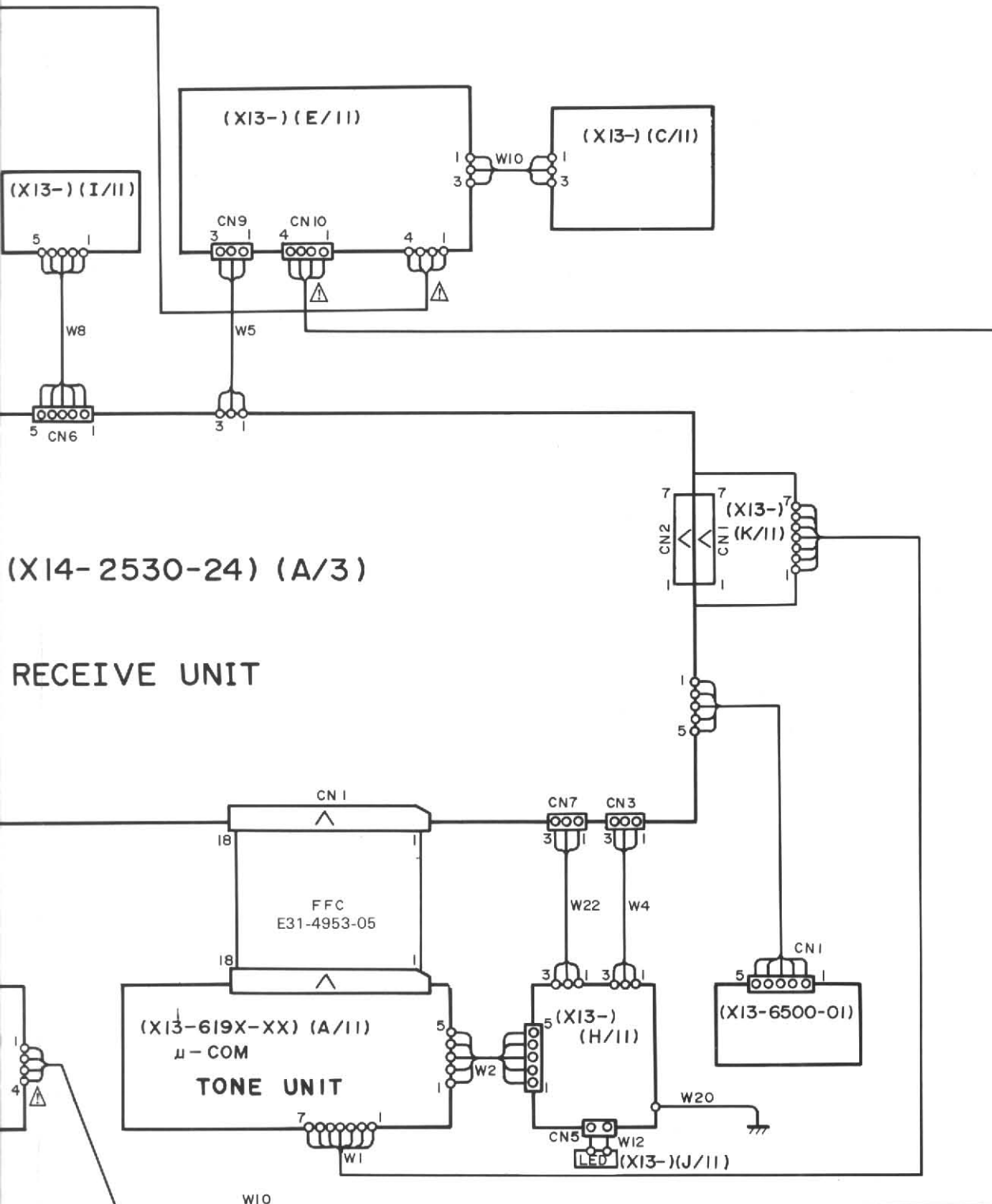
1. CXP5016-330S: Microprocessor (X13-619X-XX : IC5)

1-1. Key matrix connections



WIRING DIAGRAM



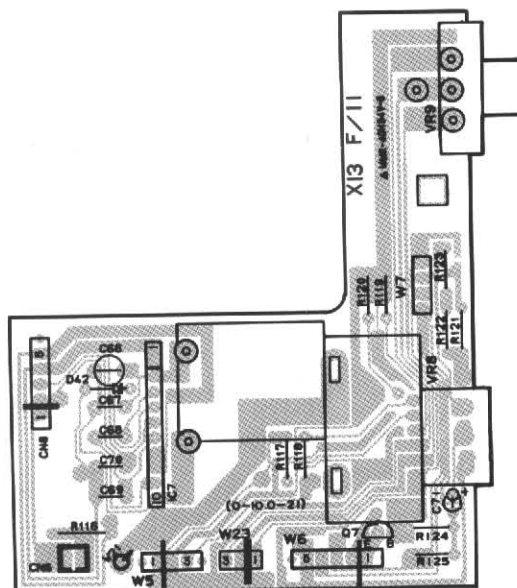
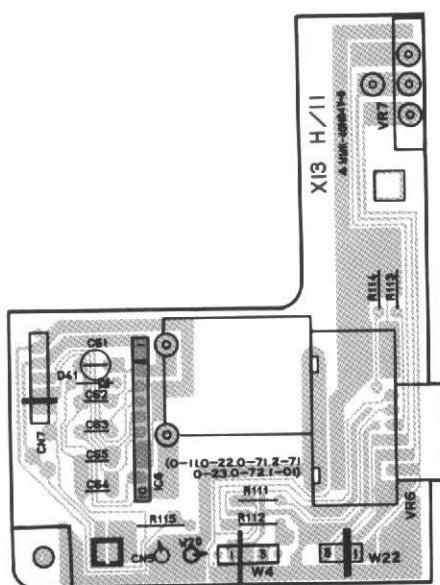
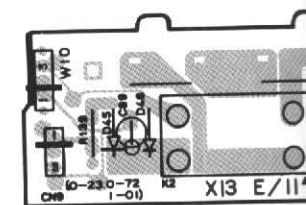
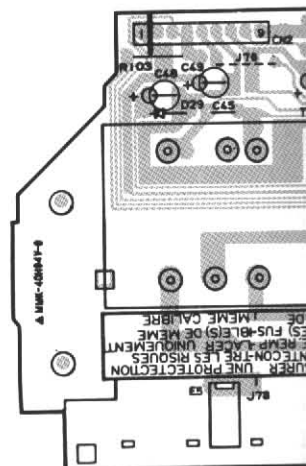
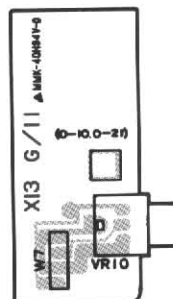
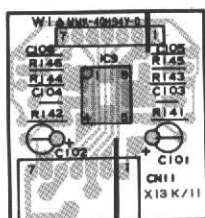
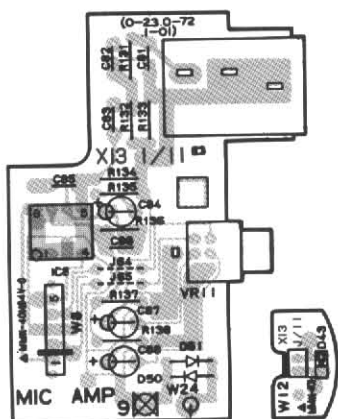
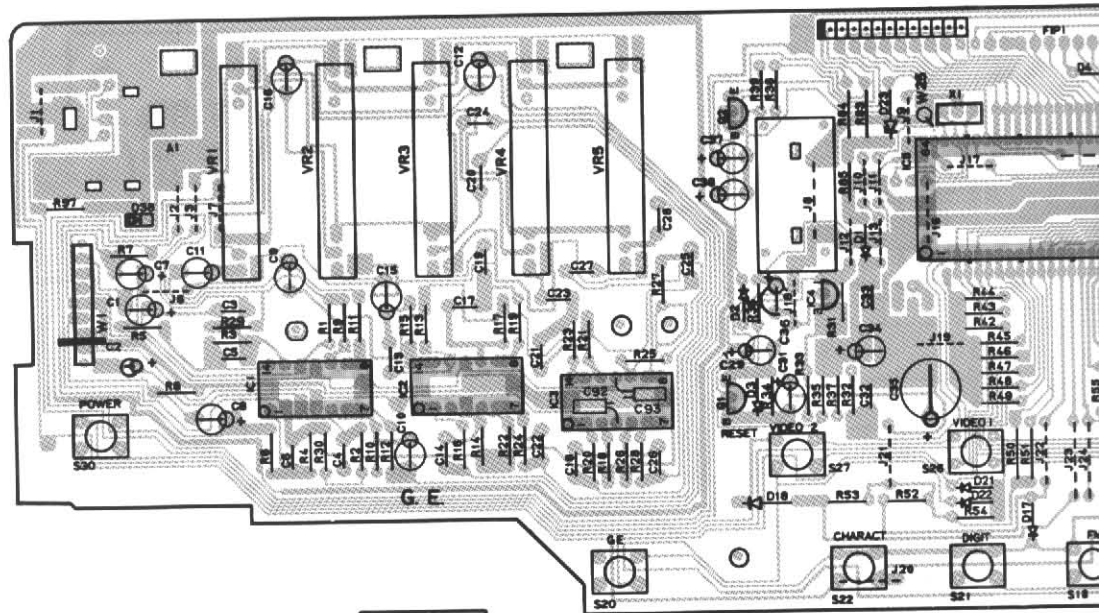


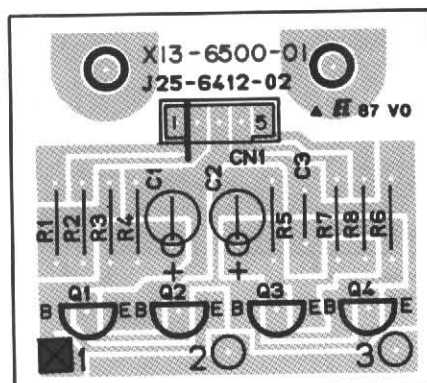
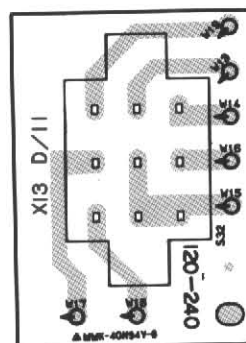
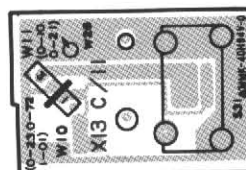
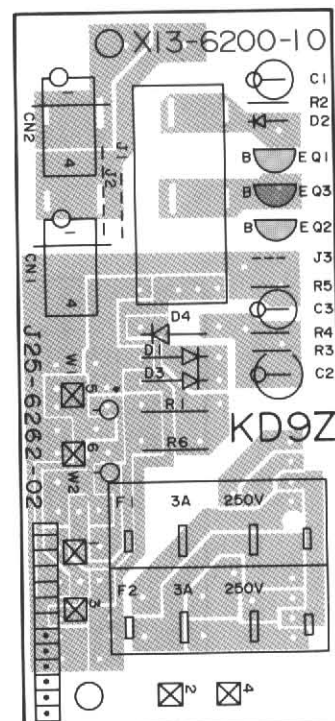
(X14-2530-24) (A/3)

RECEIVE UNIT

| | M | X |
|---------|------|------|
| X13-619 | 0-24 | 0-73 |

PC BOARD (Component Side View)

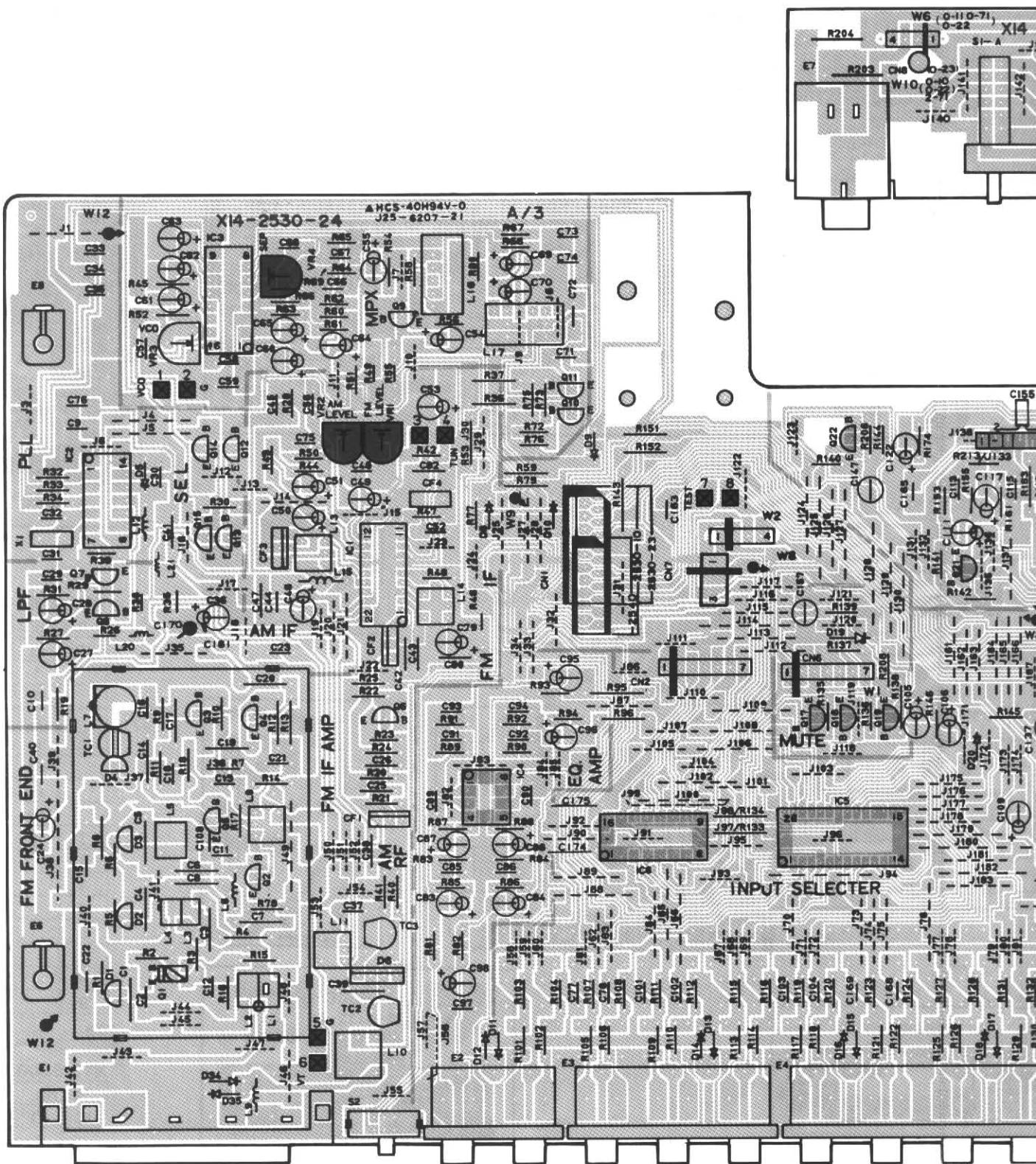


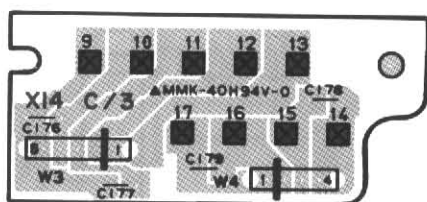


| Ref. No. | | Address |
|----------|----|---------|
| IC | Q | |
| | 1 | 2E |
| | 2 | 1E |
| | 4 | 1H |
| | 5 | 1G |
| | 11 | 4F |
| | 12 | 4G |
| | 13 | 4F |
| 1 | | 2C |
| 2 | | 2D |
| 3 | | 2D |
| 4 | | 2E |
| 5 | | 2E |
| 6 | | 6A |
| 8 | | 4A |
| 9 | | 4C |

| Ref. No. | | Address |
|----------|---|---------|
| IC | Q | |
| | 1 | 7H |
| | 2 | 7H |
| | 3 | 7I |
| | 4 | 7I |

PC BOARD (Component Side View)





| Ref. No. | | Address |
|----------|----|---------|
| IC | Q | |
| | 17 | 4O |
| | 18 | 4O |
| | 19 | 4O |
| | 20 | 4Q |
| | 21 | 4O |
| | 22 | 3O |
| | 25 | 4P |
| | 26 | 3R |
| | 27 | 3R |
| | 29 | 6P |
| | 30 | 6P |
| | 31 | 5P |
| 4 | | 5M |
| 5 | | 5O |
| 6 | | 5N |
| 7 | | 3P |
| 8 | | 5P |

ATTENTION Afin d'assurer une protection permanente contre les risques d'incendie, remplacez les fusibles (par un(s) fusible(s) de même type et de même valeur).

CAUTION For continued protection against fire hazard replace only with same type and rating fuses.

F1 125V 4A

X13-619X-XX

IC1

| | |
|----|--------|
| 4 | 11.9V |
| 11 | -12.4V |

IC2

| | |
|----|--------|
| 4 | 11.9V |
| 11 | -12.4V |

IC3

| | |
|----|--------|
| 4 | 11.9V |
| 11 | -12.4V |

IC4

| | |
|---|------|
| 1 | 5.6V |
| 2 | 0V |
| 3 | 5.6V |

IC6

| | |
|----|-----------|
| 2 | UP 5V |
| 5 | UP 5V |
| 6 | DOWN 3.5V |
| 10 | DOWN 5V |

IC8

| | |
|---|----|
| 3 | 0V |
| 4 | 0V |

| | B | C | E |
|-----|--------|-------|--------|
| Q1 | 0V | 4.8V | 0V |
| Q2 | -24.6V | 4.9V | -24.7V |
| Q4 | - | 0.2V | 0V |
| Q5 | - | 9.8V | 0.2V |
| Q11 | 6.2V | 12.7V | 5.7V |
| Q12 | -30.6V | -48V | - |

X14-2530-23

IC4

| | |
|---|--------|
| 4 | 11.9V |
| 8 | -12.3V |

IC5

| | |
|----|--------|
| 10 | -12.4V |
| 11 | 5.5V |
| 14 | 0V |
| 15 | 6.8V |
| 16 | 11.9V |
| 17 | 6.8V |
| 18 | 6.8V |
| 19 | 11.8V |

IC6

| | |
|----|--------|
| 1 | 0V |
| 2 | 0V |
| 8 | -12.4V |
| 16 | 11.9V |

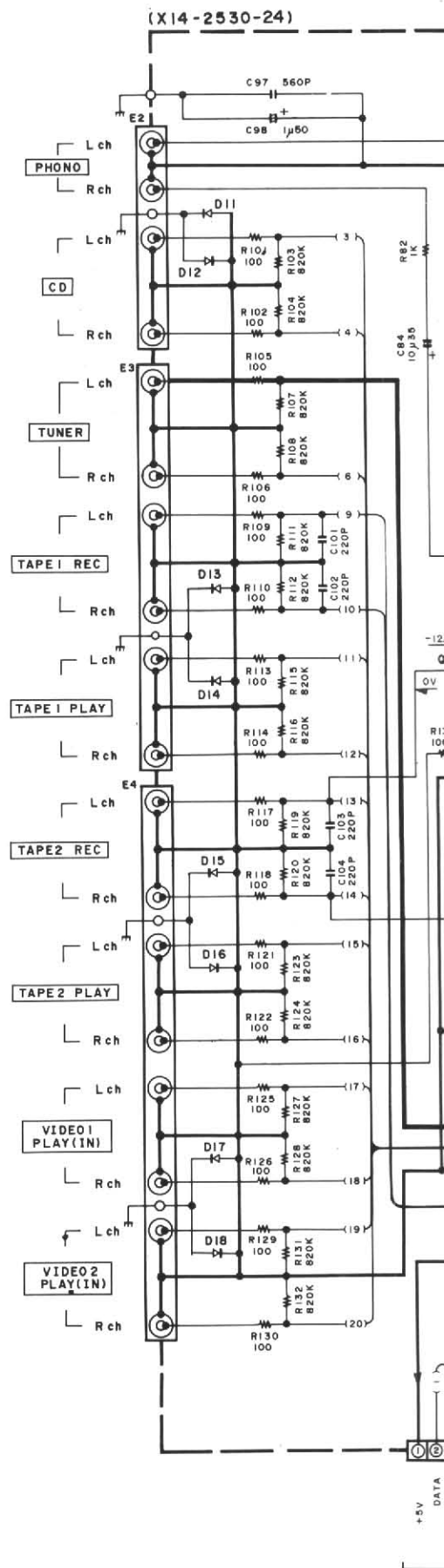
IC7

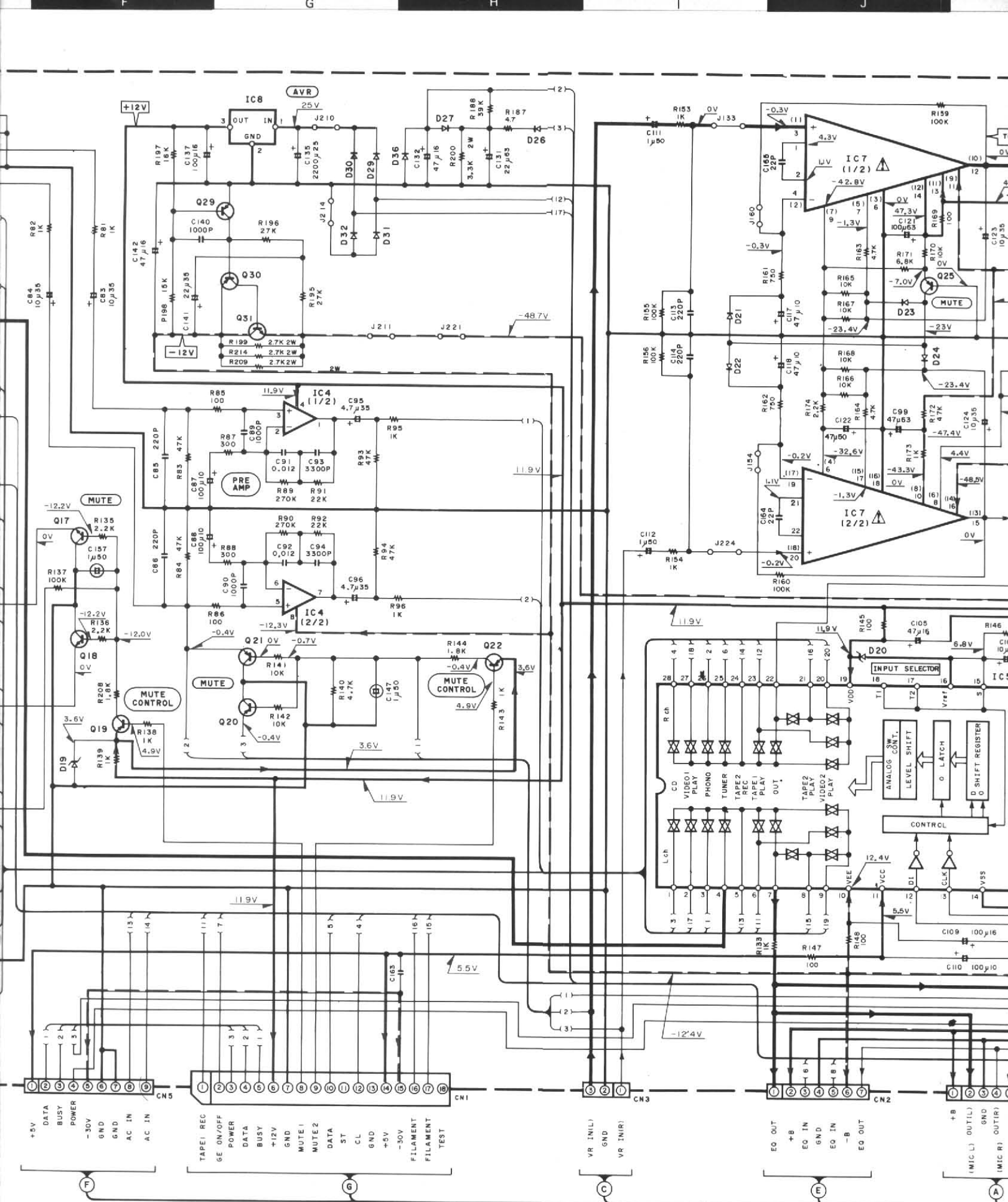
| | |
|----|--------|
| 1 | 4.3V |
| 2 | 1.1V |
| 3 | -0.3V |
| 4 | -0.3V |
| 5 | 0V |
| 6 | -32.6V |
| 7 | -1.3V |
| 8 | 4.4V |
| 9 | -1.3V |
| 10 | -43.3V |
| 11 | -48.5V |
| 12 | 0V |
| 13 | 48.8V |
| 14 | 47.3V |
| 15 | 0V |
| 16 | -48.5V |
| 17 | -1.3V |
| 18 | 0V |
| 19 | -0.2V |
| 20 | -0.2V |
| 21 | 1.1V |

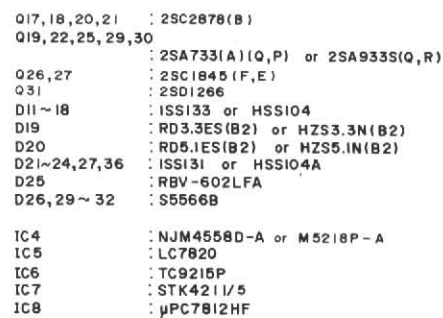
| | B | C | E |
|-----|--------|--------|--------|
| Q17 | -12.2V | 0V | 0V |
| Q18 | -12.2V | 0V | 0V |
| Q19 | 4.9V | - | 3.6V |
| Q20 | - | 0V | -0.4V |
| Q21 | 0V | 0V | -0.4V |
| Q22 | 4.9V | -0.4V | 3.6V |
| Q25 | 0V | -23V | -7.0V |
| Q26 | - | 8V | -48.7V |
| Q27 | - | 8V | -48.7V |
| Q29 | - | - | 0V |
| Q31 | - | -12.4V | -48.7V |

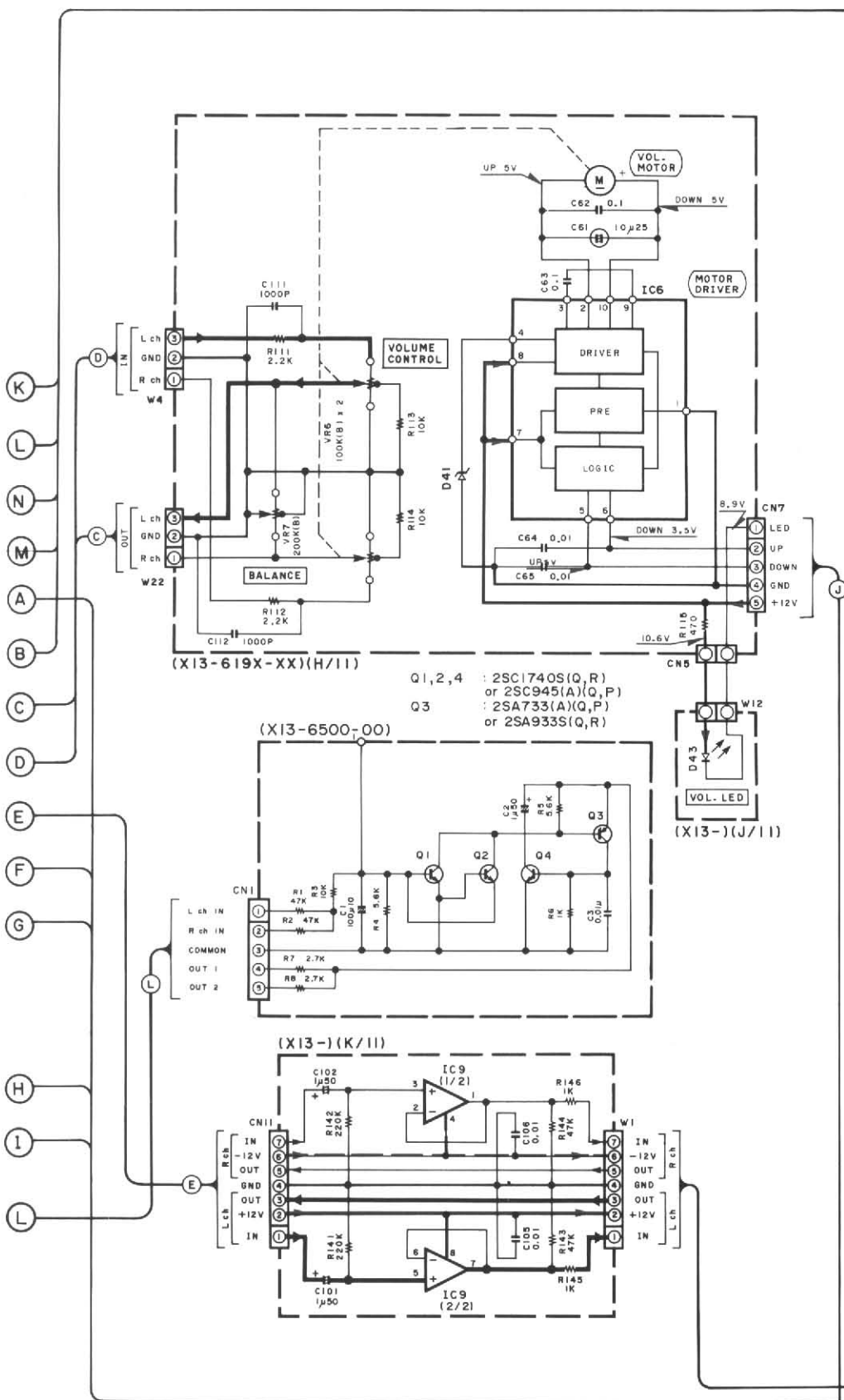
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.
- Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
- Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

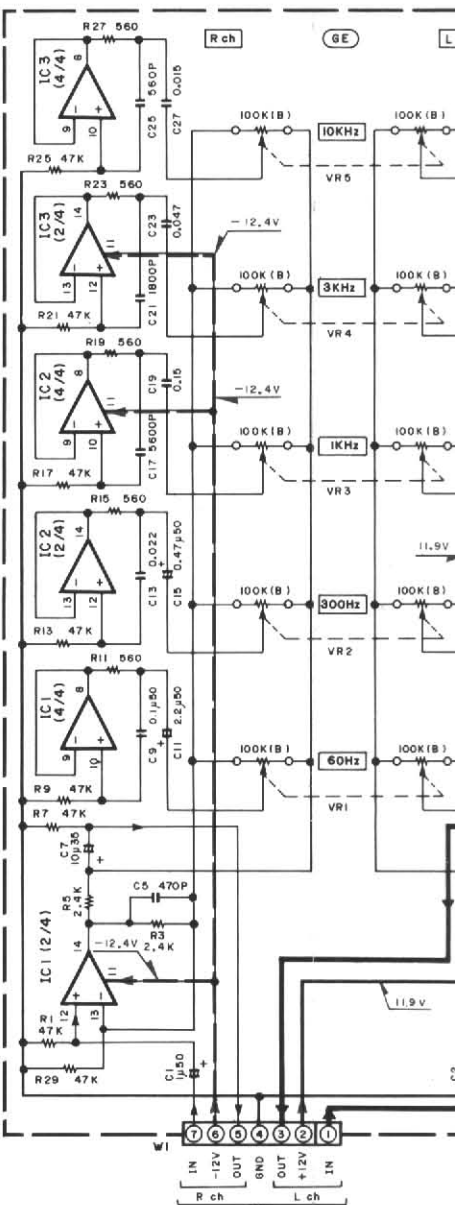
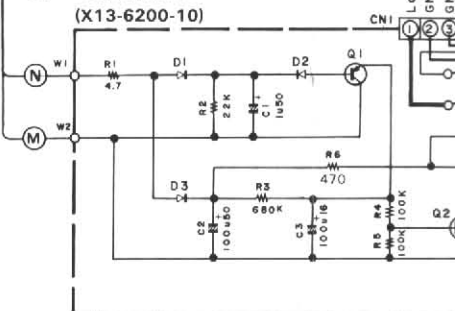


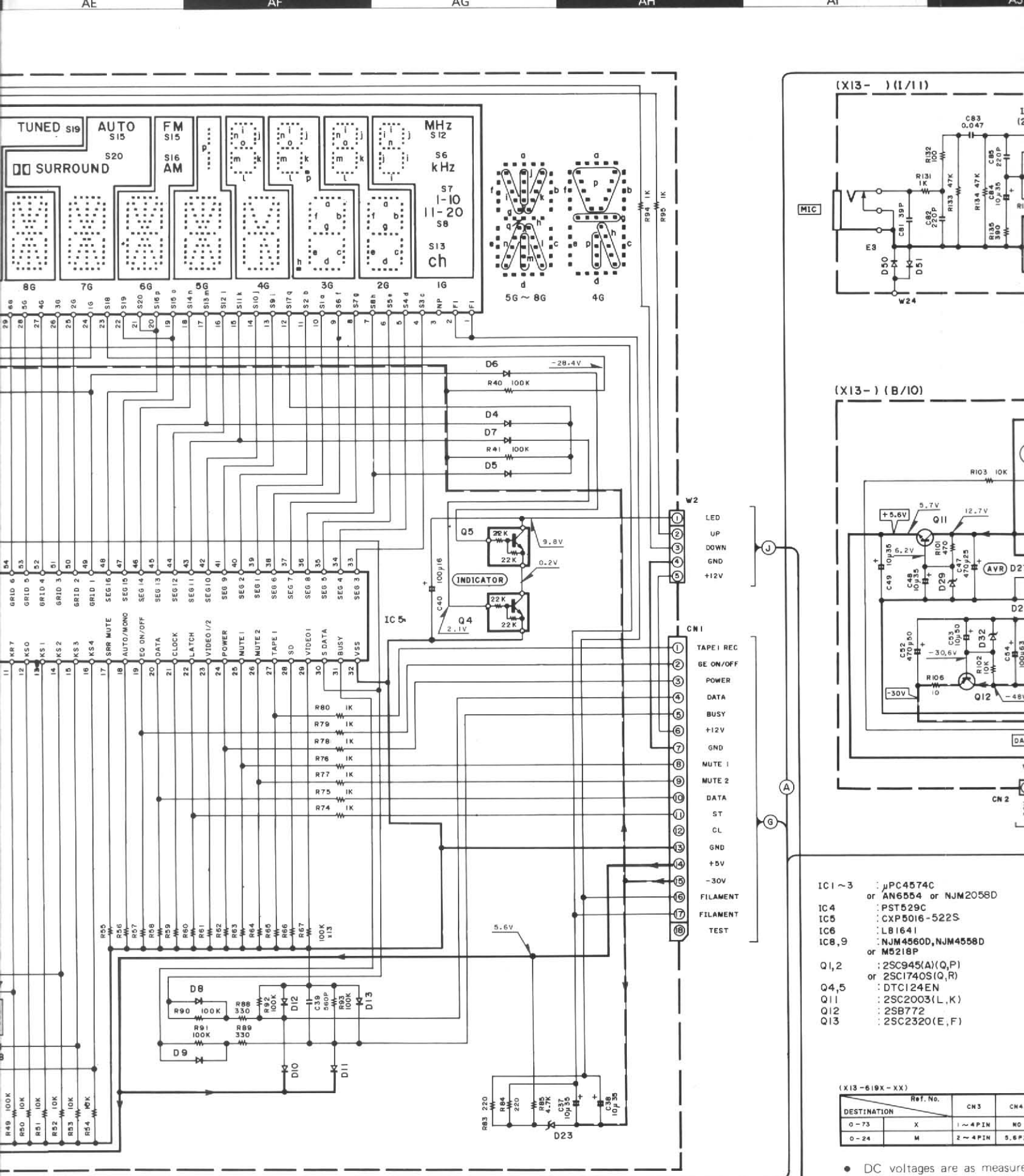






Q1 : 2SA992 (F, E) D1, 3 : S5568
 Q2 : 2SC945 (A) (Q, P) D2, 4 : HSS104A
 or 2SC1740S (Q, R) or ISS131
 Q3 : 2SC2003 (L, K)



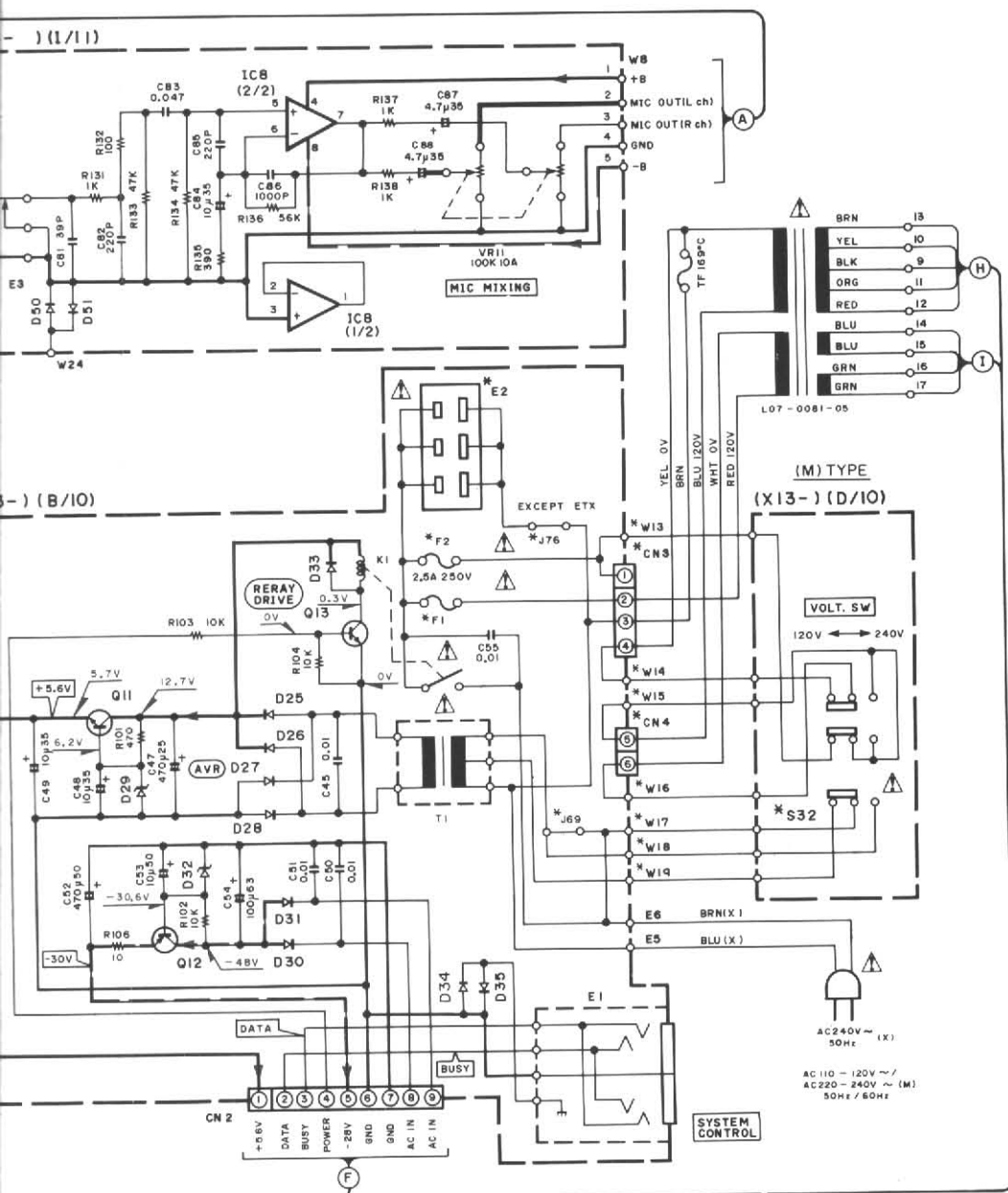


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **Δ** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

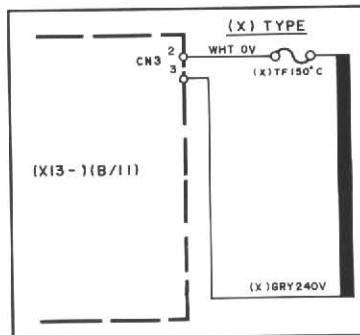
- IC1 ~ 3 : μ PC4574C or AN6554 or NJM2058D
 IC4 : PST529C
 IC5 : CXP5016-522S
 IC6 : LB1641
 IC8,9 : NJM4560D, NJM4558D or M5218P
 Q1,2 : 2SC945(A)(Q,P) or 2SC1740S(Q,R)
 Q4,5 : DTC124EN
 Q11 : 2SC2003(L,K)
 Q12 : 2SB772
 Q13 : 2SC2320(E,F)

| (X13-619X-XX) | | | |
|---------------|----------|-----------|-------|
| DESTINATION | Ref. No. | CN3 | CN4 |
| 0-73 | X | 1 ~ 4 PIN | NO |
| 0-24 | M | 2 ~ 4 PIN | 5.6 P |

- DC voltages are as measured with a multimeter with no signal applied. Voltages may vary slightly due to variations in components or/and units.
- Les tensions c.c. doivent être mesurées avec un multimètre à haute impédance. Les valeurs peuvent différer légèrement des valeurs indiquées en raison des variations inhérentes aux composants individuels.



μPC4574C
 or AN6554 or NJM2058D
 PST529C
 CXP5016-522S
 LB1641
 NJM4560D, NJM4558D
 or M5218P
 2SC945(A)(Q,P)
 or 2SC1740S(Q,R)
 DTC124EN
 2SC2003(L,K)
 2SB772
 2SC2320(E,F)
 D1 ~ 3,8 ~ 13, 17, 18, 22, 34, 35, 50, 51
 D4 ~ 7, 46
 D23
 or HSS104 or ISS133
 or HSS104A or ISS131
 or RD6.8ES(B2)
 or HZS6.8N(B2)
 D25 ~ 28, 30, 31, 33, 45
 D29
 or S5566B
 or RD6.2ES(B2)
 or HZS6.2N(B2)
 D32
 or RD30ES(B)
 or HZS30N(B)
 D41
 or RD5.1JS(B2)
 or HZS5.1S(B2)
 FL1 : 9-MT-76GK
 A1 : W02-0975-05
 or W02-0776-05



| Ref. No. | CN3 | CN4 | S32 | E2 | F1 | F2 | J69 | J76 | W13 ~ 19 | (X13-) (D/11) |
|----------|-----|-----------|-----|-----|----------|----------|-----|-----|----------|---------------|
| 1-73 | X | 1 ~ 4 PIN | NO | NO | T2.5A | NO | YES | NO | NO | NO |
| 1-24 | M | 2 ~ 4 PIN | YES | YES | 2.5A250V | 2.5A250V | NO | YES | YES | YES |

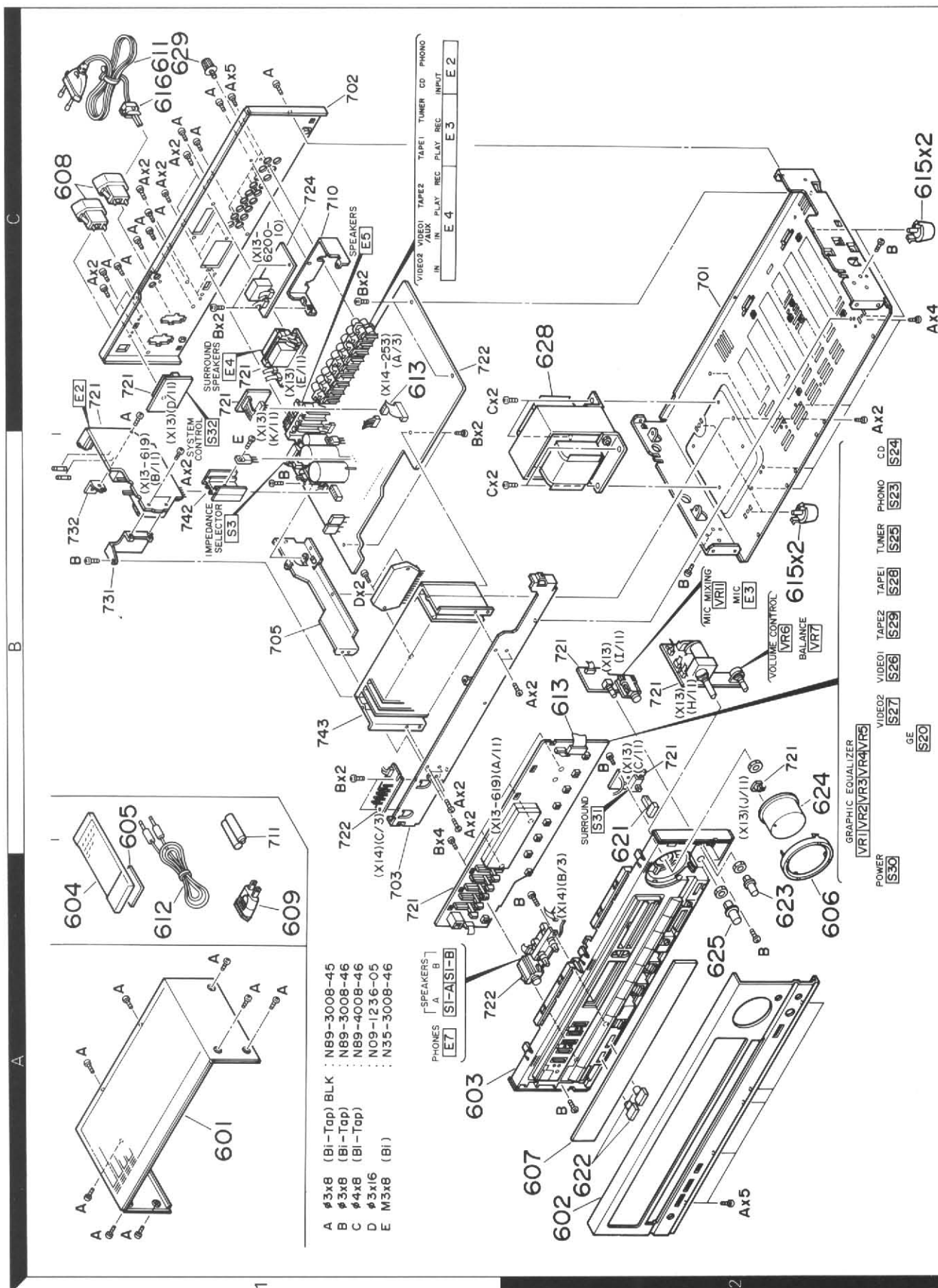
DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.
 Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter ohne Eingangssignal gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

Y08-4010-20

KA-79
KENWOOD

EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

| Ref. No. 参照番号 | Address 位置 | New Parts 新 | Parts No. 部品番号 | Description 部品名 / 規格 | Desti- nation 仕向 | Re- marks 備考 |
|---|---------------|-------------------|-------------------|-------------------------------|------------------------|--------------------|
| KA-79 | | | | | | |
| 601 | 1A | | A01-1746-01 | METALLIC CABINET | | |
| 602 | 2A | * | A20-5986-02 | PANEL | | |
| 603 | 2A | | A22-1087-01 | SUB PANEL | | |
| 604 | 1A | * | A70-0358-05 | REMOTE CONTROLLER ASSY | | |
| 605 | 1A | | A09-0088-08 | BATTERY COVER | | |
| 606 | 2A | | B07-1889-04 | ESCUTCHEON | | |
| 607 | 2A | * | B10-1087-03 | FRONT GLASS | | |
| - | | * | B46-0096-13 | WARRANTY CARD | X | |
| - | | * | B50-7885-00 | INSTRUCTION MANUAL (ENGLISH) | | |
| - | | * | B50-7886-00 | INSTRUCTION MANUAL (FR,SA,AL) | M | |
| 608 | 1C | | E03-0055-05 | AC OUTLET | | M |
| 608 | 1C | * | E03-0114-05 | AC OUTLET | | X |
| 609 | 1A | * | E03-0115-05 | AC PLUG ADAPTOR | | M |
| 611 | 1C | | E30-0459-05 | AC POWER CORD | | M |
| 611 | 1C | | E30-1341-05 | AC POWER CORD | | X |
| 612 | 1A | | E30-1392-05 | CORD WITH PLUG | | |
| 613 | 1C, 2B | | E31-4953-05 | FLAT CABLE | | |
| - | | * | H01-8726-04 | ITEM CARTON CASE | | |
| - | | * | H10-5003-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | | * | H10-5004-02 | POLYSTYRENE FOAMED FIXTURE | | |
| - | | | H25-0181-04 | PROTECTION BAG (150X260X0.05) | | |
| - | | | H25-0223-04 | PROTECTION BAG (750X350X0.03) | | |
| - | | | H25-0232-04 | PROTECTION BAG (235X350X0.03) | | |
| 615 | 2B, 2C | | J02-1013-05 | FOOT | | |
| 616 | 1C | | J42-0083-05 | POWER CORD BUSHING | | |
| - | | | J61-0307-05 | WIRE BAND | | |
| 621 | 2B | | K27-1725-04 | KNOB (BUTTON)(SURROUND) | | |
| 622 | 2A | | K27-1987-04 | KNOB (BUTTON)(SPEAKERS) | | |
| 623 | 2A | | K29-2737-04 | KNOB (MIC MIXING) | | |
| 624 | 2B | | K29-3581-04 | KNOB ASSY (VOLUME) | | |
| 625 | 2A | | K29-3632-04 | KNOB (BALANCE) | | |
| 628 | 2B, 2C | * | L07-0080-05 | POWER TRANSFORMER | | X |
| 628 | 2B, 2C | * | L07-0081-05 | POWER TRANSFORMER | | M |
| 629 | 1C | | N08-0128-35 | BINDING POST (GND) | | |
| - | | * | N19-1246-04 | FLAT WASHER | | |
| A | 1A, 1B | | N89-3008-45 | BINDING HEAD TAPTITE SCREW | | |
| B | 1B, 1C | | N89-3008-46 | BINDING HEAD TAPTITE SCREW | | |
| C | 2B, 2C | | N89-4008-46 | BINDING HEAD TAPTITE SCREW | | |
| SUB UNIT (X13-6190-24: M, 0-73: X) | | | | | | |
| D38 | | | B30-0431-05 | LED(LN21CPH) | X | |
| D43 | | | B30-1012-05 | LED(SLP-981C-50) | | |
| C1 | | | CE04LW1H010M | ELECTRO 1.0UF 50WV | | |
| C2 | | | CE04JW1H010M | ELECTRO 1.0UF 50WV | | |
| C5 , 6 | | | CK45FB1H471K | CERAMIC 470PF K | | |
| C7 , 8 | | | CE04LW1V100M | ELECTRO 10UF 35WV | | |
| C9 , 10 | | | CE04LW1HR10M | ELECTRO 0.10UF 50WV | | |
| C11 , 12 | | | CE04LW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C13 , 14 | | | CF92FV1H223J | MF 0.022UF J | | |
| C15 , 16 | | | CE04LW1HR47M | ELECTRO 0.47UF 50WV | | |
| C17 , 18 | | | CF92FV1H562J | MF 5600PF J | | |
| C19 , 20 | | | CF92FV1H154J | MF 0.15UF J | | |

E: Scandinavia & Europe K: USA

P: Canada

Y: PX(Far East, Hawaii)

T: England

M: Other Areas

Y: AAFES(Europe)

X: Australia

⚠ indicates safety critical components.

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

| Ref. No. 参照番号 | Address 位置 | New Parts 新 | Parts No. 部品番号 | Description 部品名 / 規格 | Desti- nation 仕向 | Re- marks 備考 |
|---|----------------------|-------------------|--|---|------------------------|--------------------|
| C21 ,22 C23 ,24 C25 ,26 C27 ,28 C29 | | | CF92FV1H182J CF92FV1H473J CK45FB1H561K CF92FV1H153J CE04JW1A101M | MF 1800PF J MF 0.047UF J CERAMIC 560PF K MF 0.015UF J ELECTRO 100UF 10WV | | |
| C30 C31 C32 ,33 C34 C35 | | | CE04LW1A471M CE04LW1HR47M CK45FF1H103Z CE04LW1A101M C91-0937-05 | ELECTRO 470UF 10WV ELECTRO 0.47UF 50WV CERAMIC 0.010UF Z ELECTRO 100UF 10WV BACKUP 0.047F 5.5WV | | |
| C36 C37 ,38 C39 C40 C45 | | | CE04LW1H010M CE04LW1V100M CK45FB1H561K CE04LW1C101M CK45FF1H103Z | ELECTRO 1.0UF 50WV ELECTRO 10UF 35WV CERAMIC 560PF K ELECTRO 100UF 16WV CERAMIC 0.010UF Z | | |
| C47 C48 ,49 C50 ,51 C52 C53 | | * | CE04LW1E471M CE04LW1V100M CK45FF1H103Z CE04LW1H471M CE04LW1H100M | ELECTRO 470UF 25WV ELECTRO 10UF 35WV CERAMIC 0.010UF Z ELECTRO 470UF 50WV ELECTRO 10UF 50WV | | |
| C54 C55 C55 C61 C62 ,63 | | | CE04LW1J101M C91-0023-05 C91-0647-05 C90-1353-05 CF92FV1H104J | ELECTRO 100UF 63WV CERAMIC 0.01UF AC250V CERAMIC 0.01UF P NP-ELEC 10UF 25WV MF 0.10UF J | M X | |
| C64 ,65 C81 C82 C83 C84 | | | CK45FF1H103Z CC45FSL1H390J CC45FSL1H221J CF92FV1H473J CE04LW1V100M | CERAMIC 0.010UF Z CERAMIC 39PF J CERAMIC 220PF J MF 0.047UF J ELECTRO 10UF 35WV | | |
| C85 C86 C87 ,88 C89 C92 ,93 | | | C91-0749-05 CF92FV1H123J CE04LW1V4R7M CE04LW1C221M CE04LW1H010M | CERAMIC 220PF K MF 0.012UF J ELECTRO 4.7UF 35WV ELECTRO 220UF 16WV ELECTRO 1.0UF 50WV | | |
| C101,102 C111,112 | | | CE04LW1H010M CK45FB1H102K | ELECTRO 1.0UF 50WV CERAMIC 1000PF K | | |
| CN10 E1 E2 E3 E4 | 1C 1C 2B 1C | | E10-0408-05 E11-0188-05 E03-0107-05 E11-0159-05 E20-0459-05 | FLAT CABLE CONNECTOR PHONE JACK (SYSTEM CONTROL) AC OUTLET PHONE JACK (3P)(MIC) LOCK TERMINAL BOARD(SURROUND) | M | |
| F1 F1 ,2 636 | 1C 1C 1C | | F05-2525-05 F06-2526-05 J13-0054-05 | FUSE (SEMKO) (250V T2.5A) FUSE (250V 2.5A) FUSE CLIP | X M | |
| T1 T1 X1 | | | L01-7653-05 L01-7657-05 L78-0209-05 | POWER TRANSFORMER POWER TRANSFORMER RESONATOR (4.194MHZ) | M X | |
| A | 1B, 1C | | N89-3008-45 | BINDING HEAD TAPTITE SCREW | | |
| R106 R139 VR1 -5 | | | RD14NB2E100J RD14NB2E4R7J R13-5087-05 | RD 10 J 1/4W RD 4.7 J 1/4W POTENTIOMETER 100K(B)(GE) | | |

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|---|---------------|-------------------|-------------------|--------------------------------|------------------------|--------------------|
| VR6 | 2B | | R29-5022-05 | POTENTIOMETER 100K(B)(VOLUME) | | |
| VR7 | 2B | | R01-5066-05 | POTENTIOMETER 200K(B)(BALANCE) | | |
| VR11 | 2B | | R10-5033-05 | POTENTIOMETER 100K (MIC MIX) | | |
| K1 | | | S51-1052-05 | MAGNETIC RELAY(POWER) | | |
| K2 | | | S51-2085-05 | MAGNETIC RELAY(PROTECTION) | | |
| S20 | 1A | | S40-1064-05 | PUSH SWITCH (GE) | | |
| S23 -30 | 1A, 1B | | S40-1064-05 | PUSH SWITCH (SELECTOR/POWER) | | |
| S31 | 2B | | S40-2351-05 | PUSH SWITCH (SURROUND) | | |
|  S32 | 1C | | S31-3010-05 | SLIDE SWITCH (POWER VOLT) | M | |
| D1 -3 | | | HSS104 | DIODE | | |
| D1 -3 | | | 1SS133 | DIODE | | |
| D4 -7 | | | HSS104A | DIODE | | |
| D4 -7 | | | 1SS131 | DIODE | | |
| D8 -13 | | | HSS104 | DIODE | | |
| D8 -13 | | | 1SS133 | DIODE | | |
| D17 ,18 | | | HSS104 | DIODE | | |
| D17 ,18 | | | 1SS133 | DIODE | | |
| D22 | | | HSS104 | DIODE | | |
| D22 | | | 1SS133 | DIODE | | |
| D23 | | | HZS6.8N(B2) | ZENER DIODE | | |
| D23 | | | RD6.8ES(B2) | ZENER DIODE | | |
| D25 -28 | | | S5566B | DIODE | | |
| D29 | | | HZS6.2N(B2) | ZENER DIODE | | |
| D29 | | | RD6.2ES(B2) | ZENER DIODE | | |
| D30 ,31 | | | S5566B | DIODE | | |
| D32 | | | HZS30N(B) | ZENER DIODE | | |
| D32 | | | RD30ES(B) | ZENER DIODE | | |
| D33 | | | S5566B | DIODE | | |
| D34 ,35 | | | HSS104 | DIODE | | |
| D34 ,35 | | | 1SS133 | DIODE | | |
| D41 | | | HZS5.1S(B2) | ZENER DIODE | | |
| D41 | | | RD5.1JS(B2) | ZENER DIODE | | |
| D45 | | | S5566B | DIODE | | |
| D46 | | | HSS104A | DIODE | | |
| D46 | | | 1SS131 | DIODE | | |
| D50 ,51 | | | HSS104 | DIODE | | |
| D50 ,51 | | | 1SS133 | DIODE | | |
| FL1 | | | 9-MT-76GK | FLUORESCENT INDICATOR TUBE | | |
| IC1 -3 | | | AN6554 | IC(OP AMP X4) | | |
| IC1 -3 | | | NJM2058D | IC(OP AMP X4) | | |
| IC1 -3 | | | UPC4574C | IC(OP AMP X4) | | |
| IC4 | | | PST529C | IC(SYSTEM RESET) | | |
| IC5 | | | CXP5016-522S | IC(4BIT MICROCOMPUTER) | | |
| IC6 | | | LB1641 | IC(MOTOR DRIVER) | | |
| IC8 | | | NJM4560D | IC(OP AMP X2) | | |
| IC8 ,9 | | | M5218P | IC(OP AMP X2) | | |
| IC8 ,9 | | | NJM4558D | IC(OP AMP X2) | | |
| Q1 ,2 | | | 2SC1740S(Q,R) | TRANSISTOR | | |
| Q1 ,2 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| Q4 ,5 | | | DTC124EN | DIGITAL TRANSISTOR | | |
| Q11 | | | 2SC2003(L,K) | TRANSISTOR | | |
| Q12 | | | 2SB772 | TRANSISTOR | | |
| Q13 | | | 2SC2320(E,F) | TRANSISTOR | | |

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|---|---------------|-------------------|--|---|------------------------|--------------------|
| A1 A1 | 1A 1A | | W02-0776-05 W02-0975-05 | REMOTE SENSOR REMOTE SENSOR | | |
| SUB UNIT (X13-6500-01) | | | | | | |
| C1 C2 C3 | | | CE04LW1H010M CE04LW1H101M CE04LW1C101M | ELECTRØ 1.0UF 50WV ELECTRØ 100UF 50WV ELECTRØ 100UF 16WV | | |
| CN1 ,2 | | | E10-0408-05 | CONNECTOR | | |
| R1 R6 | | | RD14GB2E4R7J RD14GB2E471J | FL-PROOF RD 4.7 J 1/4W FL-PROOF RD 470 J 1/4W | | |
| K1 | | | S51-2078-05 | RELAY | | |
| D1 D2 D2 D3 D4 | | | S5566B HSS104A 1SS131 S5566B HSS104A | DIODE DIODE DIODE DIODE DIODE | | |
| D4 Q1 Q2 Q2 Q3 | | | 1SS131 2SA992(F,E) 2SC1740S(Q,R) 2SC945(A)(Q,P) 2SC2003(L,K) | DIODE TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| C1 C2 C3 | | | CE04LW1A101M CE04LW1H010M CK45FF1H103Z | ELECTRØ 100UF 10WV ELECTRØ 1.0UF 50WV CERAMIC 0.010UF Z | | |
| Q1 ,2 Q1 ,2 Q3 Q3 Q4 | | | 2SC1740S(Q,R) 2SC945(A)(Q,P) 2SA733(A)(Q,P) 2SA933S(Q,R) 2SC1740S(Q,R) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q4 | | | 2SC945(A)(Q,P) | TRANSISTOR | | |
| AUDIO UNIT (X14-2530-24) | | | | | | |
| C83 ,84 C85 ,86 C87 ,88 C89 ,90 C91 ,92 | | | CE04LW1V100M CC45FSL1H221J CE04LW1A101M CK45FB1H102K CF92FV1H123J | ELECTRØ 10UF 35WV CERAMIC 220PF J ELECTRØ 100UF 10WV CERAMIC 1000PF K MF 0.012UF J | | |
| C93 ,94 C95 ,96 C97 C98 C99 | | | CF92FV1H332J CE04LW1V4R7M CK45FB1H561K CE04LW1H010M CE04LW1J101M | MF 3300PF J ELECTRØ 4.7UF 35WV CERAMIC 560PF K ELECTRØ 1.0UF 50WV ELECTRØ 100UF 63WV | | |
| C101-104 C105 C106 C109 C110 | | | CC45FSL1H221J CE04LW1C470M CE04LW1V100M CE04LW1C101M CE04LW1A101M | CERAMIC 220PF J ELECTRØ 47UF 16WV ELECTRØ 10UF 35WV ELECTRØ 100UF 16WV ELECTRØ 100UF 10WV | | |
| C111,112 C113,114 C117,118 C121 C122 | | | CE04LW1H010M CC45FSL1H221J CE04LW1A470M CE04LW1J101M CE04LW1H470M | ELECTRØ 1.0UF 50WV CERAMIC 220PF J ELECTRØ 47UF 10WV ELECTRØ 100UF 63WV ELECTRØ 47UF 50WV | | |

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|---|--------------------|-------------------|--|--|------------------------|--------------------|
| C123, 124 C127, 128 C129, 130 C131 C132 | | | CE04LW1V100M CF92FV1H473J C90-1778-05 CE04LW1J220M CE04LW1C470M | ELECTR0 10UF 35WV MF 0.047UF J ELECTR0 5600UF 63WV ELECTR0 22UF 63WV ELECTR0 47UF 16WV | | |
| C135 C137 C140 C141 C142 | | | CE04LW1E222M CE04LW1C101M CK45FB1H102K CE04LW1V220M CE04LW1C470M | ELECTR0 2200UF 25WV ELECTR0 100UF 16WV CERAMIC 1000PF K ELECTR0 22UF 35WV ELECTR0 47UF 16WV | | |
| C147 C148, 149 C155, 156 C157 C161, 162 | | | C90-1349-05 CK45FF1H103Z CE04LW1H010M C90-1349-05 C91-0769-05 | NP-ELEC 1UF 50WV CERAMIC 0.010UF Z ELECTR0 1.0UF 50WV NP-ELEC 1UF 50WV CERAMIC 0.01UF M | | |
| C163 C164, 165 | | | CK45FF1H103Z CC45FSL1H220J | CERAMIC 0.010UF Z CERAMIC 22PF J | | |
| CN6 CN7 CN8 E2 E3 | 1C 1C | | E10-0509-05 E10-0308-05 E10-0408-05 E13-0446-05 E13-0634-05 | FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PHONE JACK (4P)(PHONE, CD) PHONE JACK (6P)(TUNER, TAPE) | | |
| E4 E5 E7 | 1C 1C 1C | | E13-0820-05 E20-0823-05 E11-0162-05 | PHONE JACK (8P)(TAPE, VIDEO) TERMINAL BOARD(8P)(SPEAKERS) PHONE JACK (3P)(PHONES) | | |
| L18, 19 | | | L39-0085-05 | PHASE-COMPENSATION COIL | | |
| A D E | 1B, 1C 1C 1B | | N89-3008-45 N09-1236-05 N35-3008-46 | TAPPING SCREW (3X16, +) TAPPING SCREW (3X16, +) TAPPING SCREW (3X16, +) | | |
| CP1, 2 R145 R147, 148 R169 R181, 182 | | | R92-0202-05 RD14GB2E101J RD14NB2E101J RD14NB2E101J RS14KB3D100J | METAL-PLATE 0.1 K 5W FL-PROOF RD 100 J 1/4W RD 100 J 1/4W RD 100 J 1/4W FL-PROOF RS 10 J 2W | | |
| R187 R199 R200 R203, 204 R209 | | | RD14NB2E4R7J RS14KB3D272J RS14KB3D332J RS14KB3A561J RS14KB3D272J | RD 4.7 J 1/4W FL-PROOF RS 2.7K J 2W FL-PROOF RS 3.3K J 2W FL-PROOF RS 560 J 1W FL-PROOF RS 2.7K J 2W | | |
| R214 | | | RS14KB3D272J | FL-PROOF RS 2.7K J 2W | | |
| S1 S3 | 1A 1C | | S42-2170-05 S31-2136-05 | MULTIPLE PUSH SWITCH(SPEAKERS) SLIDE SWITCH (IMPEDANCE) | | |
| D11 -18 D11 -18 D19 D19 D20 | | | HSS104 1SS133 HZS3.3N(B2) RD3.3ES(B2) HZS5.1N(B2) | DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE | | |
| D20 D21 -24 D21 -24 D25 D26 | | | RD5.1ES(B2) HSS104A 1SS131 RBV-602LFA S5566B | ZENER DIODE DIODE DIODE DIODE DIODE | | |

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| D27 D27 D29 -32 D36 D36 | | | HSS104A 1SS131 S5566B HSS104A 1SS131 | DIODE DIODE DIODE DIODE DIODE | | |
| IC4 IC4 IC5 IC6 IC7 | | | M5218P-A NJM4558D-A LC7820 TC9215P STK4211/5 | IC(OP AMP X2) IC(OP AMP X2) IC(ELECTRO CONTROL SWITCH) IC(ANALOG SWITCH X 6) IC | | |
| IC8 Q17 ,18 Q19 Q19 Q20 ,21 | | | UPC7812HF 2SC2878(B) 2SA733(A)(Q,P) 2SA933S(Q,R) 2SC2878(B) | IC(VOLTAGE REGULATOR/ +12V) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q22 Q22 Q25 Q25 Q26 ,27 | | | 2SA733(A)(Q,P) 2SA933S(Q,R) 2SA733(A)(Q,P) 2SA933S(Q,R) 2SC1845(F,E) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q29 ,30 Q29 ,30 Q31 | | | 2SA733(A)(Q,P) 2SA933S(Q,R) 2SD1266 | TRANSISTOR TRANSISTOR TRANSISTOR | | |
| SUB UNIT (X13-6200-10) | | | | | | |
| C1 C2 C3 | | | CE04LW1H010M CE04LW1H101M CE04LW1C101M | ELECTRO 1.0UF 50WV ELECTRO 100UF 50WV ELECTRO 100UF 16WV | | |
| CN1 ,2 | | | B10-0408-05 | CONNECTOR | | |
| K1 | | | S51-2078-05 | RELAY | | |
| D1 D2 D2 D3 D4 | | | S5566B HSS104A 1SS131 S5566B HSS104A | DIODE | | |
| D4 Q1 Q2 Q2 Q3 | | | 1SS131 2SA992(F,E) 2SC1740S(Q,R) 2SC945(A)(Q,P) 2SC2003(L,K) | DIODE TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |

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SPECIFICATIONS

Power Output

Maximum continuous power output

| | |
|--|-------------|
| (IHF '66) from 20 Hz to 20,000 Hz, 0.5% T.H.D. at 8 Ω | 70 W+ 70 W |
| (IEC) from 63 Hz to 12,500 Hz, 0.7% T.H.D. at 8 Ω | 70 W+ 70 W |
| Music Power at 8 Ω | 115 W+115 W |

Total Harmonic Distortion 0.1% at 1/2 rated power into 8 Ω at 1 kHz

Frequency Response 10 Hz to 70 kHz, +0 dB, -3 dB

Signal-to-Noise Ratio (IHF-A)

| | |
|-----------------------------------|-------------------------|
| PHONO | 70 dB for 2.5 mV input |
| TUNER, TAPE, CD, AUX, VIDEO | 100 dB for 150 mV input |

Input Sensitivity/Impedance

| | |
|-----------------------------------|----------------------|
| PHONO | 2.5 mV/47 k Ω |
| TUNER, TAPE, CD, AUX, VIDEO | 150 mV/47 k Ω |
| MIC | 1.2 mV/47 k Ω |

Phono Maximum Input Level..... 100 mV, T.H.D. 0.5% at 1 kHz

Phono Frequency Response RIAA standard curve ± 0.5 dB

Output Level/Impedance

| | |
|---------------------|---------------------|
| Tape REC (Pin)..... | 150 mV/330 Ω |
|---------------------|---------------------|

Graphic Equalizer Control

| | |
|---|-------------|
| (60 Hz, 300 Hz, 1 kHz, 3 kHz, 10 kHz) | ± 12 dB |
|---|-------------|

General

Power Consumption 150 W (IEC)

Dimensions W: 440 mm

H: 133 mm

D: 284 mm

Weight (Net)..... 7.1 kg

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Other Areas (M) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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