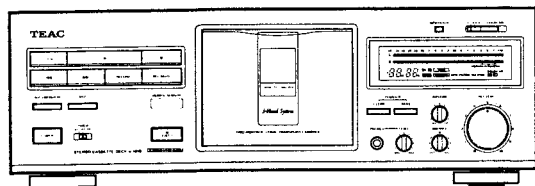




TEAC - 00293

TEAC®



SERVICE MANUAL

V-1010

Stereo Cassette Deck

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
[J]: JAPAN [US]: U. S. A. [C]: CANADA [GE]: GENERAL EXPORT
[E]: EUROPE [UK]: U. K. [A]: AUSTRALIA

注 意

- プリント基板図は部品面が示されています。
- *印の部品は納期が若干かかります。あらかじめご了承ください。
- 分解図に部番のない部品及び品番のない部品は供給しません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- ⚠印は安全重要部品です。交換する時は必ずディアック指定の部品を使用してください。
- 仕向先
[J]: JAPAN [US]: U. S. A. [C]: CANADA [GE]: GENERAL EXPORT
[E]: EUROPE [UK]: U. K. [A]: AUSTRALIA

1 SPECIFICATIONS

仕 様

Track System : 4-Track, 2-Channel Stereo
Heads : 1 Erase, 1 Record and 1 Playback (Combination)
Type of Tape :

Cassette tape C-60 and C-90 (Philips type)

Tape Speed : 4.8 cm/sec (1-7/8 ips)

Motors : 2; 1 DC servo motor (for capstan drive)
 1 DC motor (for reel drive)

Wow and Flutter : 0.045 % (W. RMS)

Frequency response (Overall, -20 dB) :

15-21,000 Hz $\pm$ 3 dB, Metal

15-20,000 Hz $\pm$ 3 dB, CrO₂

15-18,000 Hz $\pm$ 3 dB, Normal

Signal - to - Noise Ratio (Overall) :

60 dB (NR OFF, 3 % THD Level, Weighted)

70 dB (Dolby B NR In, over 5 kHz)

80 dB (Dolby C NR In, over 1 kHz)

Fast Winding Time :

Approximately 90 seconds for C-60

Inputs : Line : 60 mV, 50 k ohms

Outputs : Line : 0.37 V for load impedance of 50 k ohms
 or more

Headphones : 1 mW/8 ohms load

Power Requirements :

120/230 V AC, 50-60 Hz,

(General export models)

120 V AC, 60 Hz, (U.S.A./Canada models)

230 V AC, 50 Hz, (Europe model)

240 V AC, 50 Hz, (U.K./Australia models)

Power Consumption : 16 W

Dimensions (W $\times$ H $\times$ D) :

435 $\times$ 147 $\times$ 290 mm

(17-1/8" $\times$ 5-13/16" $\times$ 11-7/16")

Weight : 4.8 kg (10.56 lbs.)

Standard Accessories :

Input-output connection cords $\times$ 2

トラック形式 4トラック2チャンネル ステレオ
ヘッド構成 録音 $\times$ 1・再生 $\times$ 1 コンビネーションヘッド
 消去ヘッド $\times$ 1

使用テープ C-60, C-90タイプ カセットテープ
テープ速度 4.8cm/sec

モーター キャプスタン : DCサーボモーター $\times$ 1
 リール : DCモーター $\times$ 1

ワウ・フラッター 0.045 % (W. RMS)
 $\pm$ 0.08 % (W. Peak) *

周波数特性(総合) 15~21,000Hz $\pm$ 3dB* : メタル
 15~20,000Hz $\pm$ 3dB* : クローム
 15~18,000Hz $\pm$ 3dB* : ノーマル

SN比(総合) 58dB (NR OFF, 規定録音レベル)*
 70dB (ドルビー B NR ON, CCIR/ARM)
 80dB (ドルビー C NR ON, CCIR/ARM)

早巻時間 約90秒(C-60テープ)
入力 ライン : 97mV
 (入力インピーダンス 50k Ω)

出力 ライン : 0.58V
 (負荷インピーダンス 50k Ω 以上)
 ヘッドホン : 1mW/8 Ω

電源 100V AC, 50-60Hz

消費電力 16W

外形寸法 435 $\times$ 147 $\times$ 290mm (W $\times$ H $\times$ D)

重量 4.8kg

付属品 リモコンユニット RC-393 $\times$ 1

入出力コード $\times$ 2, 乾電池(単3) $\times$ 2

●仕様および外観は、改善のため予告なく変更することがあります。

●*印は、日本電子機械工業会 (EIAJ CP-2311) 規格に定められた測定法によるものです。

●Specifications were determined using metal tape except as noted.

●Improvements may result in specification or feature changing without notice.

Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

"DOLBY", the double-D symbol  and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

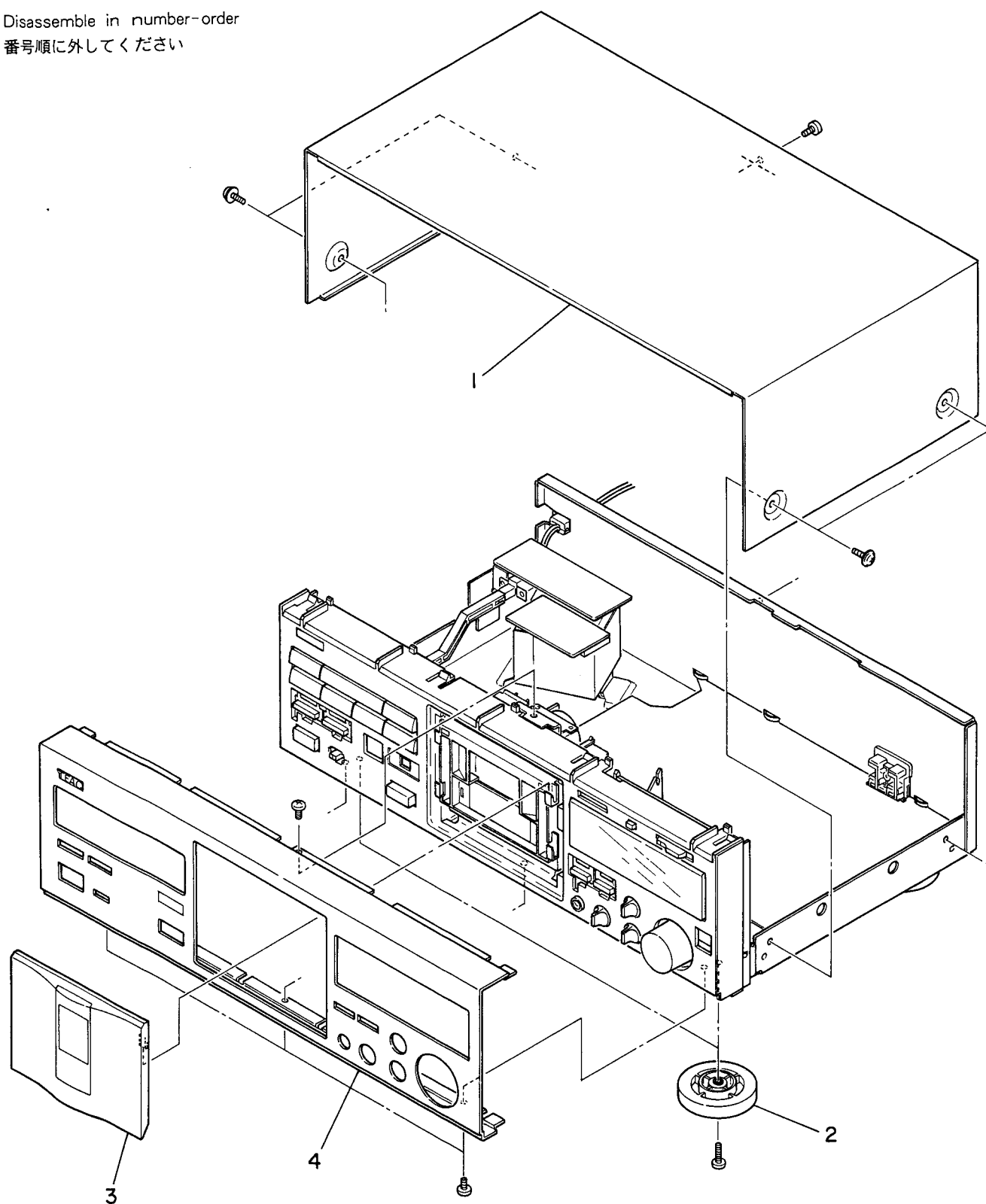
ドルビーノイズリダクション及びHXプロヘッドルームエクステンションはドルビーラボラトリーライセンスニングコーポレーションからの実施権に基づき製造されています。HXプロはバングアンドオルフセンの考案です。

ドルビー、DOLBY、ダブルD記号  及びHXプロはドルビーラボラトリーライセンスニングコーポレーションの登録商標です。

2 CASE AND FRONT PANEL REMOVAL

外装部品の外し方

Disassemble in number-order
番号順に外してください



3 ADJUSTMENT AND CHECKS

調整と確認

3-1 MECHANICAL ADJUSTMENT

3-1-1 Tape speed

1. Connect a frequency counter to the deck as shown in Fig. 3-1.
2. Load a TEAC MTT-111N test tape and play the beginning of the test tape.
3. Adjust the variable resistor to get the adjustment value of 3,000Hz to 3,010Hz.
4. In play mode, check that the following figures are obtained at the beginning and at the end of the tape.
Speed deviation : 3,000Hz $\pm$ 60Hz
Speed drifting : within 35Hz

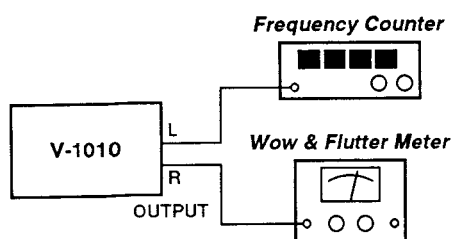


Fig. 3-1

3-1 機構部の調整

3-1-1 テープスピード

1. Fig. 3-1 のように周波数カウンターを接続する。
2. テストテープ MTT-111N (3kHz) の巻始めを再生する。
3. 周波数値が 3,000 ~ 3,010Hz となるように Fig. 3-2 に示す VR を調整する。
4. 巻始めから巻終わりまで再生し、速度偏差および変動幅を確認する。
速度偏差 : 3,000Hz $\pm$ 60Hz
変動幅 : 35Hz 以内

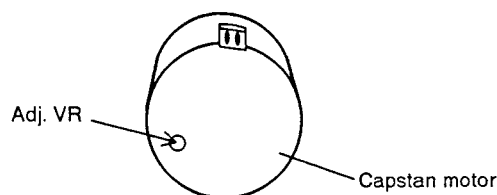


Fig. 3-2

3-1-2 Wow and flutter (playback method)

1. Connect a wow-and-flutter meter to the deck as shown in Fig. 3-1.
2. Load and play a TEAC MTT-111N test tape.
3. Check that the readings on the wow-and-flutter meter are as follows.
(Except the beginning and the end of the tape)
Specification : 0.12 % WRMS

3-1-2 ワウ・フラッタ (再生法)

1. Fig. 3-1 のようにワウ・フラッタメーターを接続する。
2. テストテープ MTT-111N を再生する。
3. ワウ・フラッタ値が下の規格内に入ることを確認する。
(テープの巻始め、巻終りを除く)
規格 : 0.12 % WRMS

3-1-3 Reel torque

1. Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the following specified values.
Take-up : 35 to 75g $\cdot$ cm
Supply : 2 to 6g $\cdot$ cm
F.F./REW : 70 to 160g $\cdot$ cm

3-1-3 リールトルク

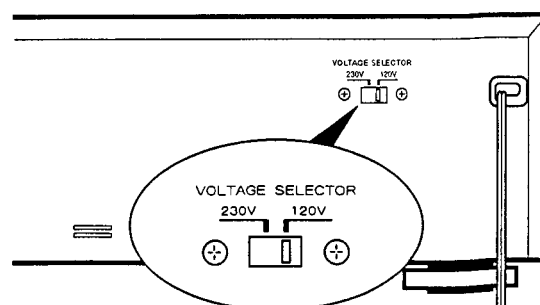
1. カセット型トルクメーターによる測定値が下記の範囲内であることを確認する。
テイクアップトルク : 35 ~ 75g $\cdot$ cm
バックテンショントルク : 2 ~ 6g $\cdot$ cm
早送り/巻戻しトルク : 70 ~ 160g $\cdot$ cm

Voltage Conversion

(General export models only)

Be sure to remove the power cord from the AC outlet before repositioning the voltage converter switch.

1. Locate the voltage selector on the rear panel.
2. Using a flat-bladed screwdriver, set to the appropriate 230 V or 120 V position according to your area.



3-2 ELECTRICAL ADJUSTMENT

3-2-1 Precautions

- Before performing adjustments and checks clean and demagnetize the entire tape path.
- In general, adjustments and checks are made in the order of Lch then Rch. Double REF. Nos. indicate Lch/Rch. (Example ; R11/R21)
- 0dB is referenced to 0.775V.
- The AC voltmeter used in the procedures must have an input impedance of $1M\Omega$ or more.
- Input terminals and measuring points at each step are the same as previous step, otherwise specified.

3-2 アンプ部の調整

3-2-1 注意

- アンプ部の調整・確認の前に、テープ走行系の消磁と清掃を行ってください。
- 特に指定のない限り、調整はLch, Rchの順序で行なってください。尚、R11/R21のように記されている回路番号はLch/Rchを示します。
- 0dB=0.775V
- 測定に使用するレベル計の入力インピーダンスは $1M\Omega$ 以上のものを使用してください。
- 入力端子及び測定箇所は各ステップに於て特に明記されている場合を除き、直前のステップと同じです。

3-2-2 Adjustment locations 調整箇所

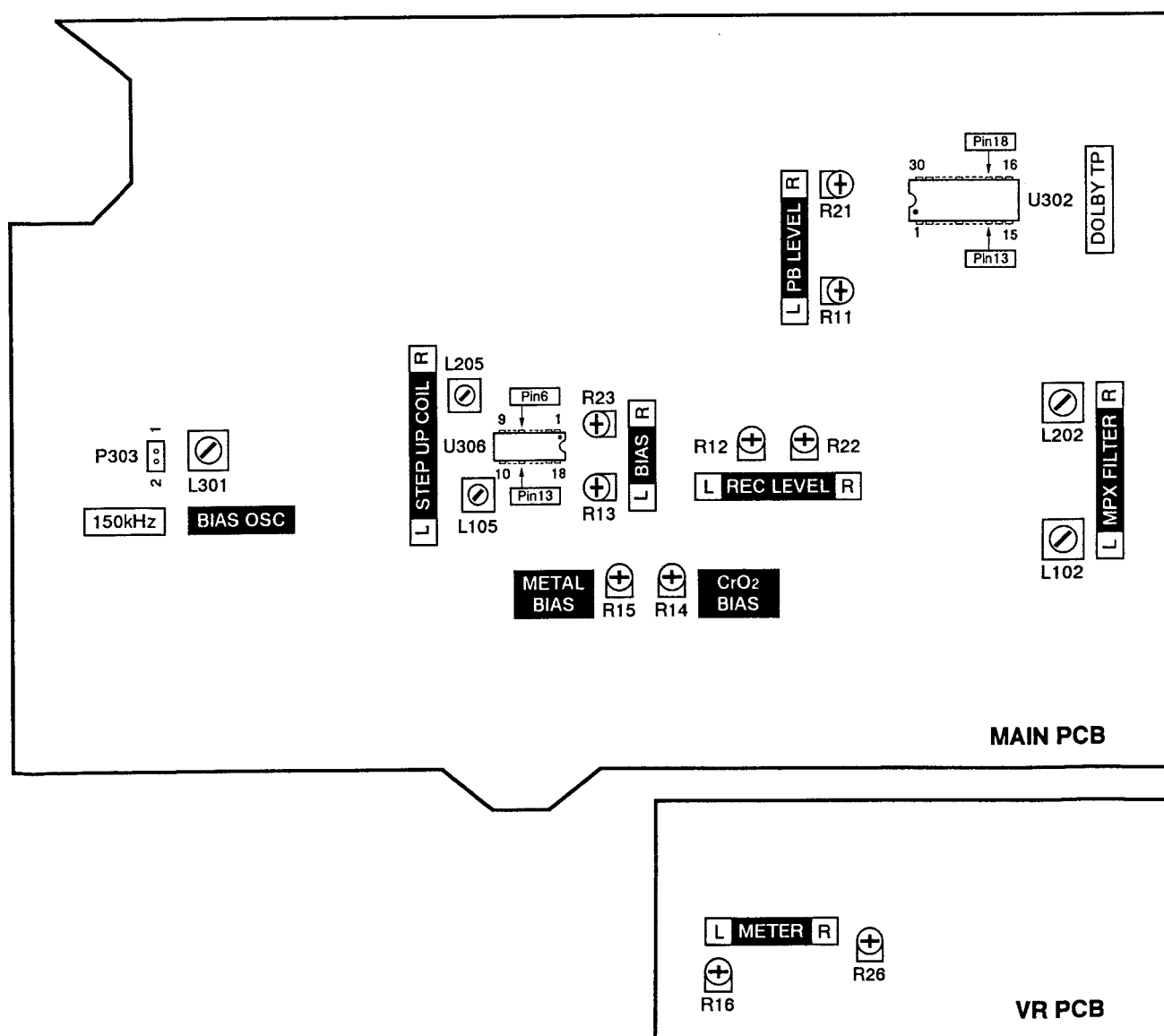


Fig. 3-3

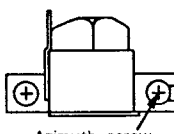
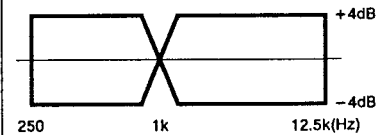
3-2-3 Playback performance 再生系

Deck settings :

Mode : PLAY
 AUTO MONITOR Switch : TAPE
 DOLBY NR Switch : OFF
 MPX FILTER Switch : OFF

TEAC test tapes :

MTT-150C : For Dolby level calibration
 MTT-25702 : For playback frequency response check NORMAL tape
 MTT-5511 : For S/N check NORMAL tape
 MTT-5571 : For S/N check METAL tape

ITEM 項 目	SETTING 設 定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整箇所	MEASURING POINTS, RESULT 測定箇所・調整値	REMARKS 備 考
1. Head azimuth adjustment アジマス調整	Connection : Fig. 3-5	MTT-25702 (12.5kHz)	Azimuth screw アジマス調整ねじ	OUTPUT : Maximum output level at L & R-ch Phase : within 45° Lch, Rchとも出力最大 位相 : 45° 以内 (Fig. 3-6)	 Azimuth screw
2. DOLBY level ドルビーレベル	Connection : Fig. 3-7	MTT-150C	R11/R21	DOLBY TP U302 Pin13/Pin18 : - 6dB (388mV)	
3. Playback output level 再生出力レベル	Connection : Fig. 3-4	MTT-150C	Check	OUTPUT : - 3.5 ± 1dB (462mV~581mV)	Ref. output level 基準出力レベル
4. Meter level メーターレベル		MTT-150C	R16/R26	PEAK LEVEL METER:  mark	
5. PHONES output level PHONES 出力レベル	Connection : Fig. 3-8 PHONES LEVEL:MAX	MTT-150C	Check	OUTPUT : - 19 ± 3dB (61.6mV~123mV)	8 Ω load 8 Ω 負荷
6. Playback frequency response 再生周波数特性	Connection : Fig. 3-4	MTT-25702	Check	 250 1k 12.5k(Hz)	
7. Playback S/N ratio 再生S/N比	Connection : Fig. 3-4	MTT-5511 MTT-5571 Playback the leader tape portion リーダーテープ部を 再生	Check	NORMAL : 45dB min. METAL : 46dB min.	Ratio of ref. level to noise 基準出力レベルと ノイズの比

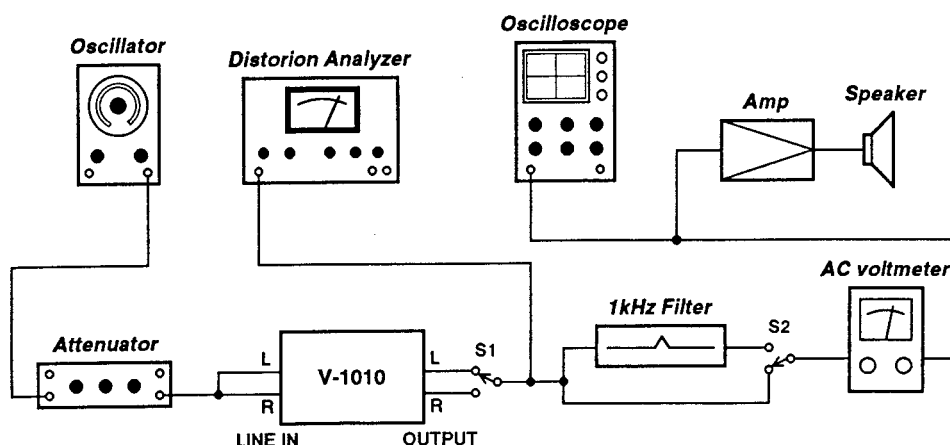


Fig. 3-4 Basic test setup

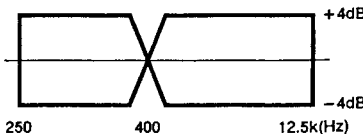
3-2-5 Recording performance 録音系

Deck settings :

Mode : RECORD
 AUTO MONITOR Switch : TAPE
 DOLBY NR Switch : OFF
 MPX FILTER Switch : OFF
 REC LEVEL Control : Specified position 規定位置 (Item9)
 BALANCE Control : Specified position 規定位置 (Item9)
 BIAS FINE Control : Center position

TEAC recording test tapes :

MTT-5511 : For NORMAL
 MTT-5561 : For CrO₂
 MTT-5571 : For METAL

ITEM 項 目	SETTING 設 定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整箇所	MEASURING POINTS, RESULT 測定箇所・調整値	REMARKS 備 考
12. Bias osc frequency バイアス 発振周波数	Connection : Fig. 3-9 TAPE : MTT-5511	LINE IN : No signal 無信号	L301	P303-2 : 150 ± 3kHz	
13. Step up coil ステップアップ コイル	Connection : Fig. 3-10 TAPE : MTT-5571	LINE IN : No signal 無信号	L105/L205	U306 PIN6/PIN13 : Min. DC voltage DC 電圧最小	
14. Record bias 録音バイアス	Connection : Fig. 3-4 TAPE : MTT-5511 MTT-5561 MTT-5571	LINE IN : 250Hz/10kHz - 34dB (15.5mV)	NORMAL: R13/R23 CrO ₂ : R14 METAL : R15	OUTPUT : Nearly equal level at both frequencies 両周波数の録再出力が 同レベル	
15. MPX filter MPX フィルター	Connection : Fig. 3-4 MPX FILTER Switch:ON	LINE IN : 19kHz/- 12dB (195mV)	L102/L202	30dB min.	
16. Record level adjustment 録音レベル調整	Connection : Fig. 3-4 TAPE : MTT-5511	LINE IN : 400Hz/- 12dB (195mV)	R12/R22	OUTPUT : - 6.5 ± 1dB (327mV~411mV)	
17. Record level check 録音レベル確認	Connection : Fig. 3-4 TAPE : MTT-5561 MTT-5571	LINE IN : 400Hz/- 12dB (195mV)	Check	OUTPUT : - 6.5 ± 1.5dB (309mV~436mV)	
18. Total harmonic distortion 総合歪率	Connection : Fig. 3-4 TAPE : MTT-5511 MTT-5561 MTT-5571	LINE IN : 400Hz/- 12dB (195mV)	Check	NORMAL : 2.0 % or less CrO ₂ : 2.5 % or less METAL : 2.5 % or less	
19. Overall frequency response 録再周波数特性	Connection : Fig. 3-4 TAPE : MTT-5511 MTT-5561 MTT-5571	LINE IN : 250Hz~12.5kHz - 34dB (15.5mV)	Check	 250 400 12.5k(Hz)	
20. BIAS FINE range BIAS FINE 可変幅	Connection : Fig. 3-4 TAPE : MTT-5511	LINE IN : 10kHz/- 34dB (15.5mV)	BIAS FINE VR	4dB min.	
21. Overall S/N ratio 総合S/N比	Connection : Fig. 3-4 TAPE : MTT-5511 MTT-5561 MTT-5571	LINE IN : No signal 無信号	Check	NORMAL : 45dB min. CrO ₂ : 46dB min. METAL : 46dB min.	Ratio of ref. level to noise 基準出力レベルと ノイズの比

ITEM 項 目	SETTING 設 定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整箇所	MEASURING RESULT 調整値	REMARKS 備 考
22. Erase efficiency 消去率	Connection : Fig. 3-4 TAPE : MTT-5571 1kHz B.P.F in	LINE IN : 1kHz/+ 1dB (870mV)	Check	65dB min.	Ratio of the 1kHz recorded portion to the erased portion. 未消去部分と消去部分の比
23. REC MUTE function REC MUTE 効果	Connection : Fig. 3-4 TAPE : MTT-5571 1kHz B.P.F in	LINE IN : 1kHz/+ 1dB (870mV)	Check	65dB min.	Ratio of the 1kHz recorded portion to the "REC MUTE" portion. 録音部分と"REC MUTE" 部分の比
24. Channel seperation チャンネル セパレーション	Connection : Fig. 3-4 TAPE : MTT-5561 1kHz B.P.F in	LINE IN : Lch 1kHz/- 9dB (275mV) Rch No signal 無信号	Check	30dB min.	Ratio of the 1kHz recorded portion (Lch) to the no signal portion (Rch). 録音部分 (Lch) と無信号部 分 (Rch) の比
25. Adjacent track crosstalk トラック間 クロストーク	Connection : Fig. 3-4 TAPE : MTT-5571	LINE IN : Lch No signal 無信号 Rch 125Hz/-9dB (275mV)	Check	40dB min.	Invert tape and play Rch track. Check leakage level against the output reference of previously recorded portion. テープを反転して再生した 時の Rch 出力レベルの比

Frequency Counter

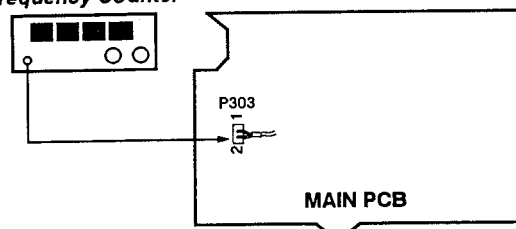


Fig. 3-9 Test setup for bias OSC adjustment

DC voltmeter

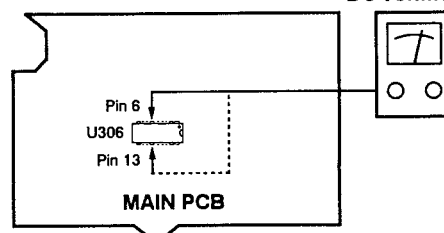
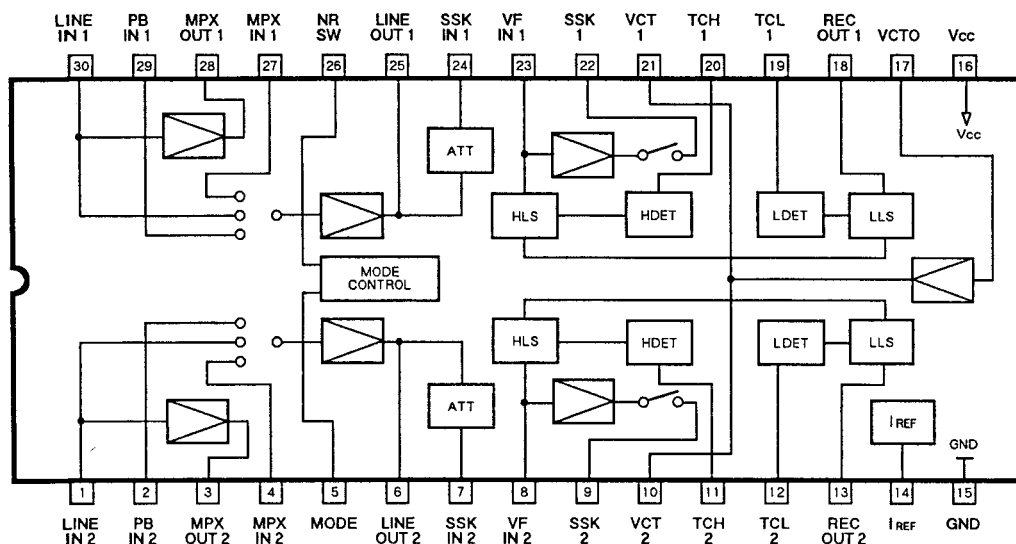


Fig. 3-10 Test setup for step up coil adjustment

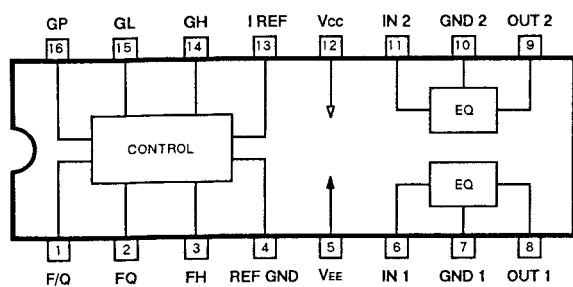
4 IC BLOCK DIAGRAMS

ICブロックダイアグラム

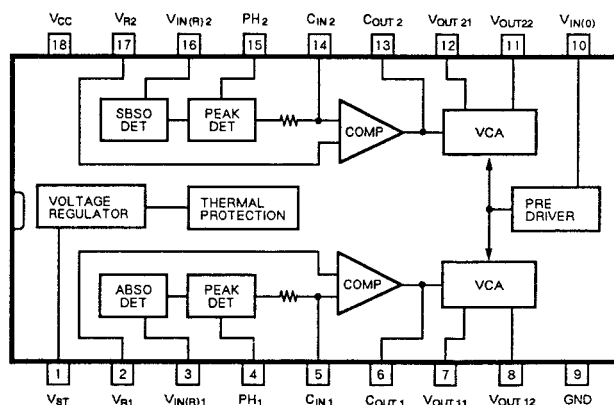
U302, U304 CXA1331S



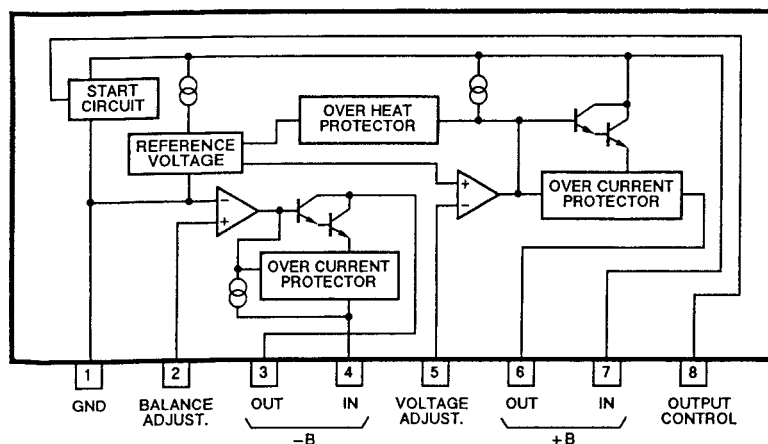
U305 CXA1198AP



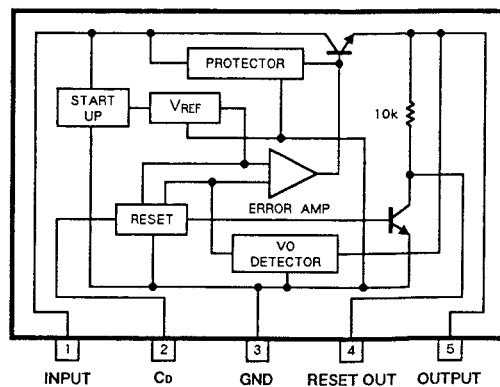
U306 uPC1297CA



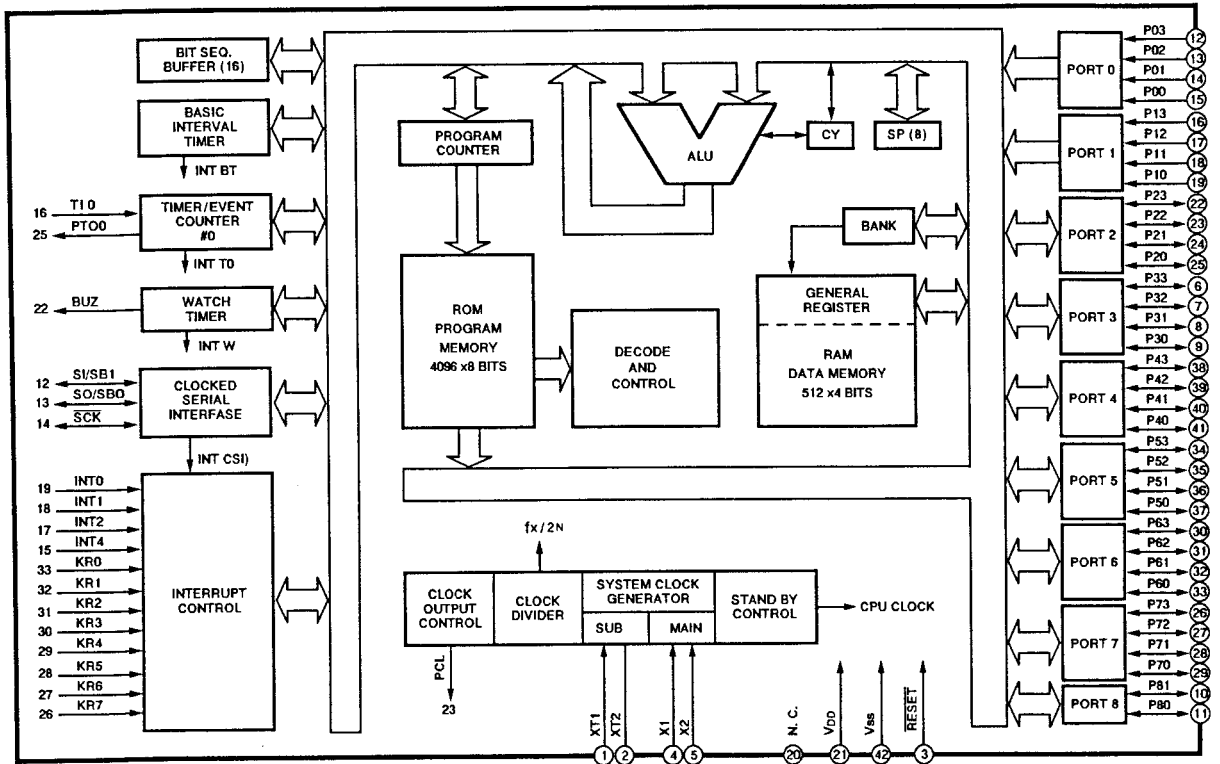
U401 M5230LA



U402 L78LR05D-MA



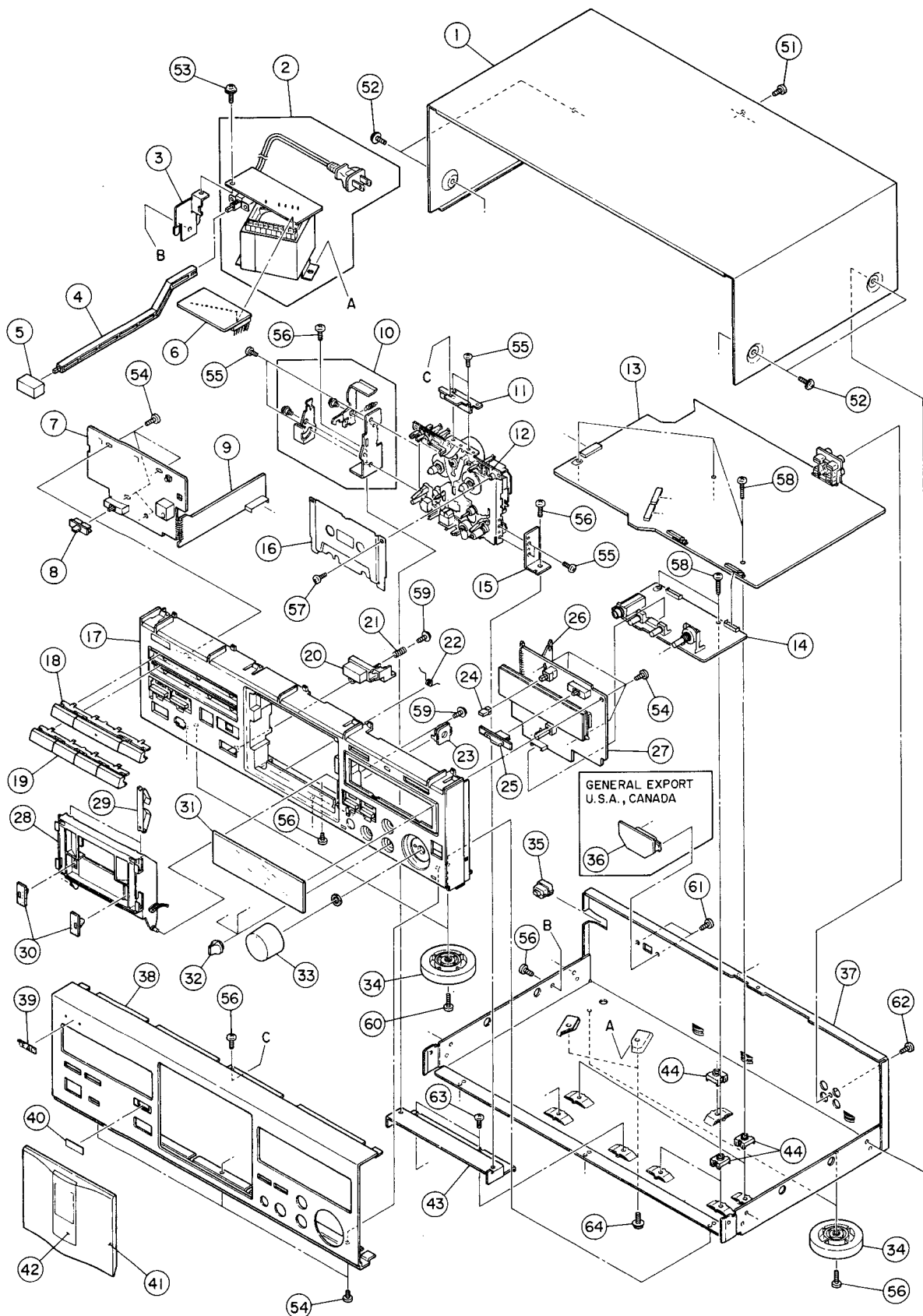
U404 μ PD75004CU



5 EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1

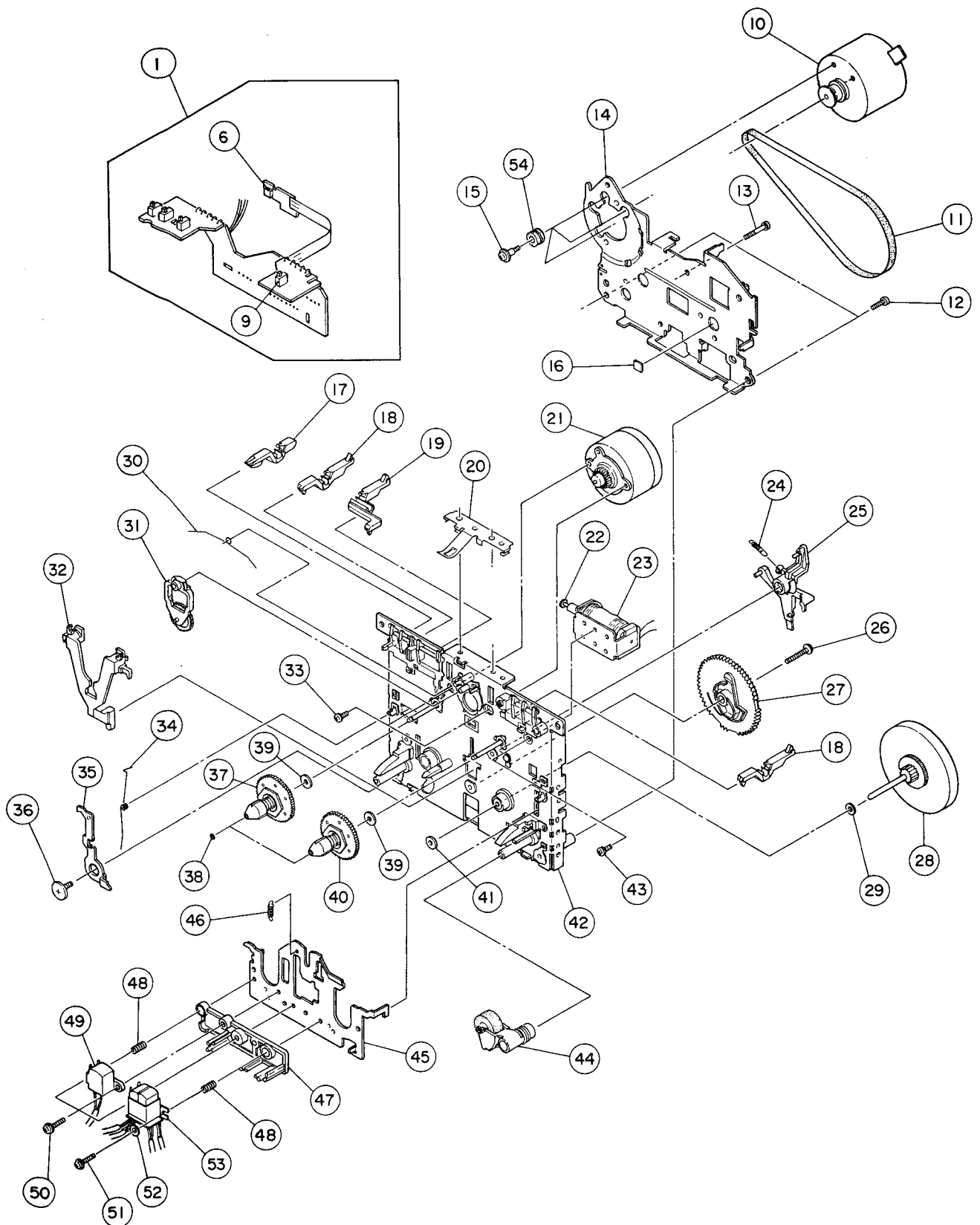


EXPLODED VIEW-1

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
I- 1	*9260155901	BONNET	Refer to pages 18 and 19
I- 2	*9145115200	TRANS. PCB (A) ASSY [US,C,GE]	
	*9145115210	TRANS. PCB (A) ASSY [E]	
	*9145115220	TRANS. PCB (A) ASSY [J]	
	*9145115230	TRANS. PCB (A) ASSY [A]	
	*9145115240	TRANS. PCB (A) ASSY [UK]	Refer to pages 18 and 19
I- 3	*9260175500	LINKAGE BRACKET	Refer to pages 18 and 19
I- 4	*9260175400	POWER LINKAGE	
I- 5	*9260175300	POWER BUTTON	
I- 6	*9145115300	TRANS. PCB (B) ASSY	
I- 7	*9145116200	KEY PCB ASSY	Refer to pages 18 and 19
I- 8	*9260141300	SLIDE KNOB	Refer to pages 18 and 19
I- 9	*9145116400	CONNECTOR PCB (A) ASSY	
I-10	*9260178301	MECH BRACKET (L) ASSY	
I-11	*9260177400	MECH HOLDER	
I-12	-----	CASSETTE MECHA. ASSY	Refer to pages 14 and 15
I-13	*9145115102	MAIN PCB ASSY	Refer to pages 16 and 17
I-14	*9145116300	VR PCB ASSY	Refer to pages 18 and 19
I-15	*9260176501	MECH BRACKET (R)	
I-16	*9260176900	DUST COVER	
I-17	*9260175002	ESCUTCHEON PANEL	
I-18	*9260175100	PLAY/STOP BUTTON	
I-19	*9260175200	FF/REW BUTTON	
I-20	*9260175700	EJECT BUTTON	
I-21	*9260155000	EJECT SPRING	
I-22	*9260176700	CASE SPRING	
I-23	*9260077301	DAMPER	Refer to pages 18 and 19
I-24	*9260177100	MPX KNOB	
I-25	*9260156400	DOLBY KNOB	
I-26	*9145116500	CONNECTOR PCB (B) ASSY	
I-27	*9145116100	FRONT PCB ASSY	Refer to pages 18 and 19
I-28	*9260175901	CASSETTE LEAD	
I-29	*5800603801	CASSETTE PRESS SPRING	
I-30	*9260176800	STABILIZER	
I-31	*9260177000	METTER COVER	
I-32	*9260151001	PAN CAP KNOB	
I-33	*9260156500	VR KNOB	
I-34	9260113901	FOOT ASSY	
I-35	△ 9121000100	BUSHING, #2271 [EXCEPT C]	
	△ 9121000101	BUSHING, #2271 [C]	
I-36	*9145115400	SELECTOR SW PCB ASSY [US,C,GE]	Refer to pages 18 and 19
I-37	-----	MAIN CHASSIS	
I-38	*9260174901	FRONT PANEL	
I-39	*5801413200	NAME PLATE, TEAC	
I-40	*9260175600	FILTER	
I-41	*9260176101	LEAD DOOR	
I-42	*9260176000	WINDOW	
I-43	*9260177300	MECH BASE	
I-44	9260151300	PCB SUPPORT	
I-51	*9783593008	SCREW, C-TITE M3X8 (NI BLK)	
I-52	*9783053006	SCREW, CAP-S M3X6 (BLK)	
I-53	*9783103006	SCREW, CAP-S M3X6	
I-54	*9783603008	SCREW, BTT-P M3X8	
I-55	*9783203004	SCREW, BTT-S M3X4	
I-56	*9783203008	SCREW, BTT-S M3X8	
I-57	*5783542612	SCREW, BIND P-TITE M2.6X12 (NI BLK)	
I-58	*9783203014	SCREW, BTT-S M3X14	

(Continued on page 16)

EXPLODED VIEW-2



EXPLODED VIEW-2

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	*5761837700	PCB BASE BLK	F567-110
2- 2		Not used	
2- 3		Not used	
2- 4		Not used	
2- 5		Not used	
2- 6	*5761843000	GP2S04B	AZ13A-00
2- 7		Not used	
2- 8		Not used	
2- 9	5761748700	SW, PUSH	UE16E-11
2-10	5761837600	MTR MAIN BLK	F525-S279
2-11	5761769200	MAIN BELT	FF15R-11
2-12	*5761690900	SCREW, WAVE M2.6X8	UG12H-14
2-13	*5761769300	SCREW, S-TITE M2.6X23.5	UG17H-11
2-14	*5761768900	F/W BKT	FC47D-13
2-15	*5761838200	SCREW, MOTOR	UG12W-12
2-16	*5761747700	SPACER	UJ13L-11
2-17	5761749500	PACK DETECT LEVER	FD38T-12
2-18	5761837300	REC DETECT LEVER	FD38S-21
2-19	5761842800	METAL DETECT LEVER	FD38U-12
2-20	*5761750200	CASSETTE PRESS SPRING	FC40N-32
2-21	5761859300	MTR REEL BLK	F564-291
2-22	5761746300	SOLENOID PIN	PL366-11
2-23	5761836800	SOLENOID BLK	F765-251
2-24	*5761768800	PLAY ARM SP	FK22G-14
2-25	*5761769000	PLAY ARM (F)	FD38M-22
2-26	*5761836300	SCREW, WAVE M2X15	UG17L-11
2-27	5761837200	CAM GEAR (F)	FD38P-18
2-28	5761837400	F/W ASSY	FR18M-41B
2-29	*5761689200	POLYSLIDER	FJ111-30
2-30	*5761745400	HOLD SP	FK22E-11
2-31	5761837100	IDLER ASSY	F517-047
2-32	*5761836600	HOLD LEVER (C)	FD35T-12
2-33	*5761745900	SCREW, PAN SW M2.6X6 ZN	FG114-20
2-34	*5761768600	EJECT PREVENT SP (L)	FK22P-16
2-35	*5761768500	EJECT PREVENT ARM (L)	FC39S-33
2-36	*5761837000	SCREW, STEP	UG15S-11A
2-37	5761836700	REEL BASE BLK	F623-129
2-38	*5761745600	POLYSLIDER	FJ111-17
2-39	*5761745500	POLYSLIDER	UJ12V-11
2-40	5761792500	REEL BASE BLK	F623-037
2-41	*5761836500	WASHER, OIL SEAL	FJ141-11A
2-42	*5761836900	CHASSIS BASE BLK	F612-110
2-43	*5761769800	SCREW, PAN SW M2.6X4 ZN	FG114-15
2-44	5761836400	PINCH ROLLER ASSY	FR20L-21A
2-45	*5761836100	HEAD BASE	FC38N-D4
2-46	*5761836200	HEAD BASE SP	FK22L-11A
2-47	*5761836000	3-HEAD SPACER	FD44N-12
2-48	*5761767500	AZIMUTH SP	FK21U-11
2-49	5761767900	HEAD, ERASE	FU192-11
2-50	*5761767400	SCREW, F LOCK	FG137-18
2-51	*5761841300	SCREW, PAN M2X9	UG21D-11
2-52	*5761841400	WASHER, FLAT 2.0	MJ112-21
2-53	5761770200	HEAD, R/P H-2371	FU19C-11
2-54	*5761838000	MOTOR CUSHION	FJ115-12

6 PC BOARDS AND PARTS LIST

基板図とパーツリスト

MAIN PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145115102	MAIN PCB ASSY
	*9155115100	MAIN PCB
	*9260069801	HEAT SINK
	*9783213008	SCREW, BTT-B M3X8
	9229021000	EARTH PLATE (A)
C401,402	△ 9117273500	C, ELECT 2200UF/16V
C410	△ 9117302000	C, ELECT 3300UF/16V
C411	△ 9117273500	C, ELECT 2200UF/16V
D301-306	9165022150	DIODE, 1SS133T
D401-410	△ 9165020550	DIODE, 1N4003
D411	9165022150	DIODE, 1SS133T
D412	9166042751	ZENER DIODE, RD27EL2
D413	9166040651	ZENER DIODE, RD3.6EL2
D414	9166041351	ZENER DIODE, RD6.8EL2
D415	△ 9165020550	DIODE, 1N4003
D416	9166041251	ZENER DIODE, RD6.2EL2
J301	9143188000	PIN JACK, 4P
J402,403	5336348100	CONNECTOR SOCKET, 11P
J404	5336348200	CONNECTOR SOCKET, 12P
L101,201	9122019300	COIL, 22MH
L102,202	9173007000	LOW PASS FILTER
L103,203	9122019300	COIL, 22MH
L104,204	9173006350	COIL, 220UH
L105,205	9173007900	COIL, STEP UP
L301	9173008000	COIL, OSC
P301	9143158000	CONNECTOR PLUG, 4P
P302	9143158010	CONNECTOR PLUG, 4P (BLK)
P303	9143156000	CONNECTOR PLUG, 2P
P406,407	9143324000	CONNECTOR PLUG, 8P
Q102,201	9163309420	TR, 2SC1815GR
Q301	9163009920	TR, 2SA1015GR
Q302,303	9163309420	TR, 2SC1815GR

MAIN PCB ASSY

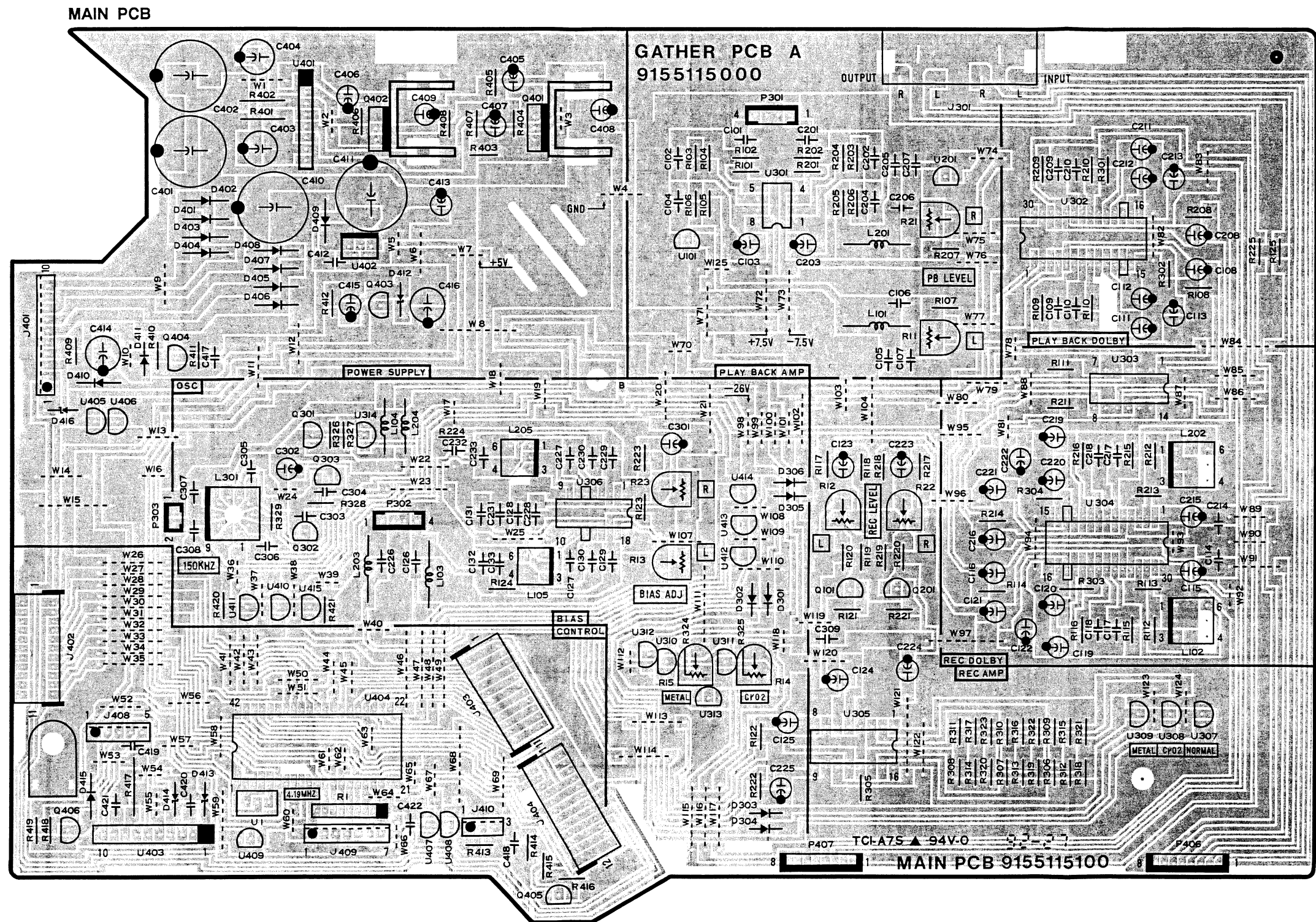
REF.NO.	PARTS NO.	DESCRIPTION
Q401	9163610300	TR, 2SD1913R
Q402	9163202900	TR, 2SB1274R
Q403	9163013120	TR, 2SA934R
Q404,405	9163309420	TR, 2SC1815GR
Q406	9163309820	TR, 2SC2120Y
R 1	5242123300	R, ARRAY RYLS-8J223
R 11, 21	9112056010	VR, SEMI-FIXED 4.7K (B)
R 12, 22	9112057010	VR, SEMI-FIXED 22K (B)
R 13, 23	9112059910	VR, SEMI-FIXED 2.2K (B)
R 14	9112059710	VR, SEMI-FIXED 47K (B)
R 15	9112059810	VR, SEMI-FIXED 10K (B)
R417	△ 9111240060	R, NONFLAMMABLE 1W 47
U 1	5347017700	OSC, CERAMIC EFO-GC4194A4
U101,201	9163310420	TR, DTC124ES
U301	9167014000	IC, UPC4570C
U302	9167019200	IC, CXA1331S
U303	9167009800	IC, TC4066BP
U304	9167019200	IC, CXA1331S
U305	9167019600	IC, CXA1198AP
U306	9167012800	IC, UPC1297CA
U307-309	9163310420	TR, DTC124ES
U310,311	9163011220	TR, DTA124ES
U312-314	9163310420	TR, DTC124ES
U401	9167022400	IC, M5230LA
U402	9167018500	IC, L78LR05D-MA
U403	9167021100	IC, BA6219
U404	5220824200	IC, UPD75004CW-074
U405	9163310420	TR, DTC124ES
U406,407	9163011220	TR, DTA124ES
U408,409	9163310420	TR, DTC124ES
U410-415	9163011220	TR, DTA124ES

EXPLODED VIEW-1 (Continued from page 13)

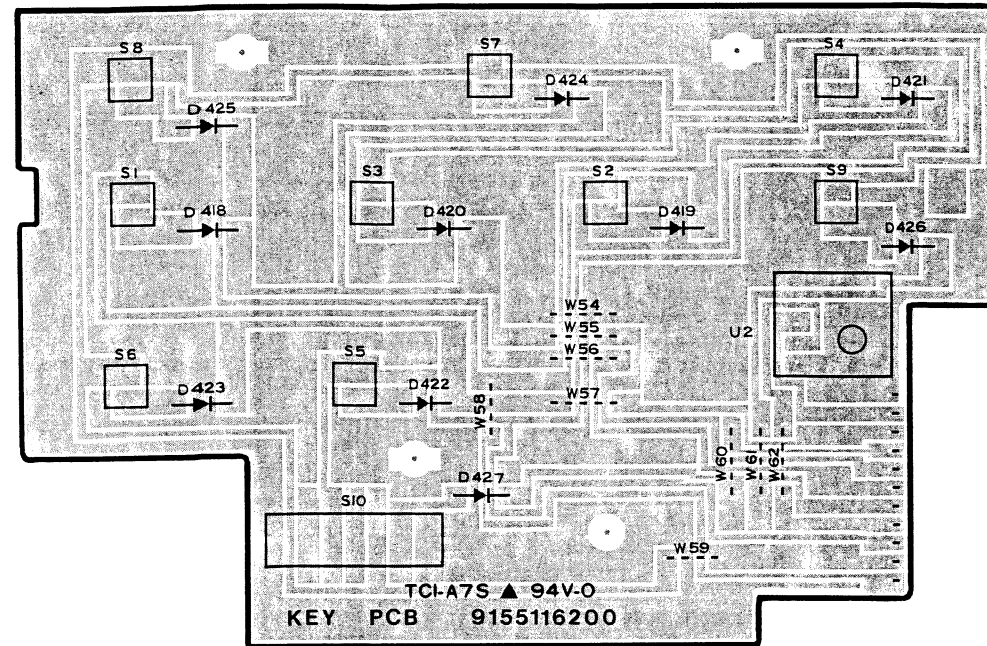
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
I-59	*9783413008	SCREW, CAP-P M3X8 (BLK)	
I-60	*9783203010	SCREW, BTT-S M3X10	
I-61	*9783233008	SCREW, BTT-S M3X8 (BLK)	
I-62	*9783613008	SCREW, BTT-P M3X8 (BLK)	
I-63	*9783203006	SCREW, BTT-S M3X6	
I-64	*9783294008	SCREW, BTB-S M4X8	

INCLUDED ACCESSORIES

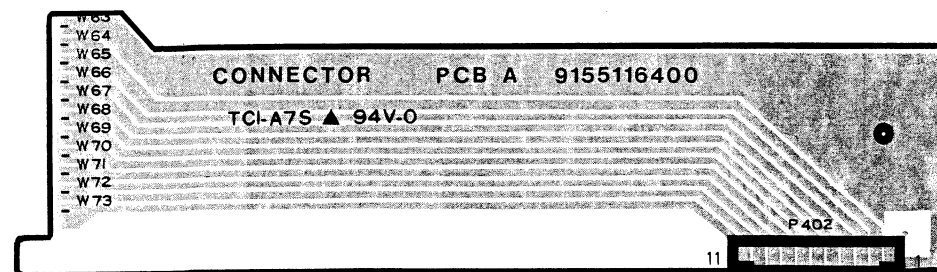
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
	*9101393800	OWNER'S MANUAL (J) [J]	
	*9101393900	OWNER'S MANUAL (M) [C,E]	
	*9101394501	OWNER'S MANUAL (E) [EXCEPT J]	
	*5744080200	REMOTE CONTROL UNIT, RC-393 [J]	
	5347007000	BATTERY [J]	
	9109027110	IN-OUTPUT CORD	



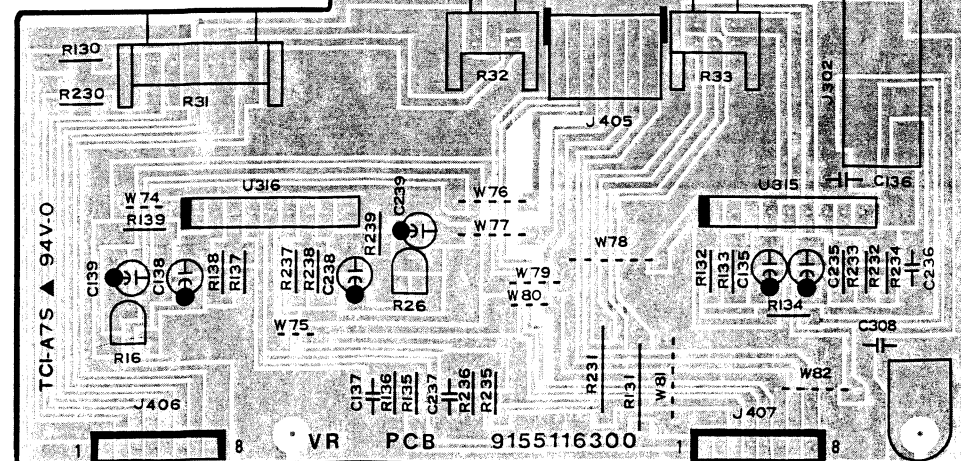
KEY PCB



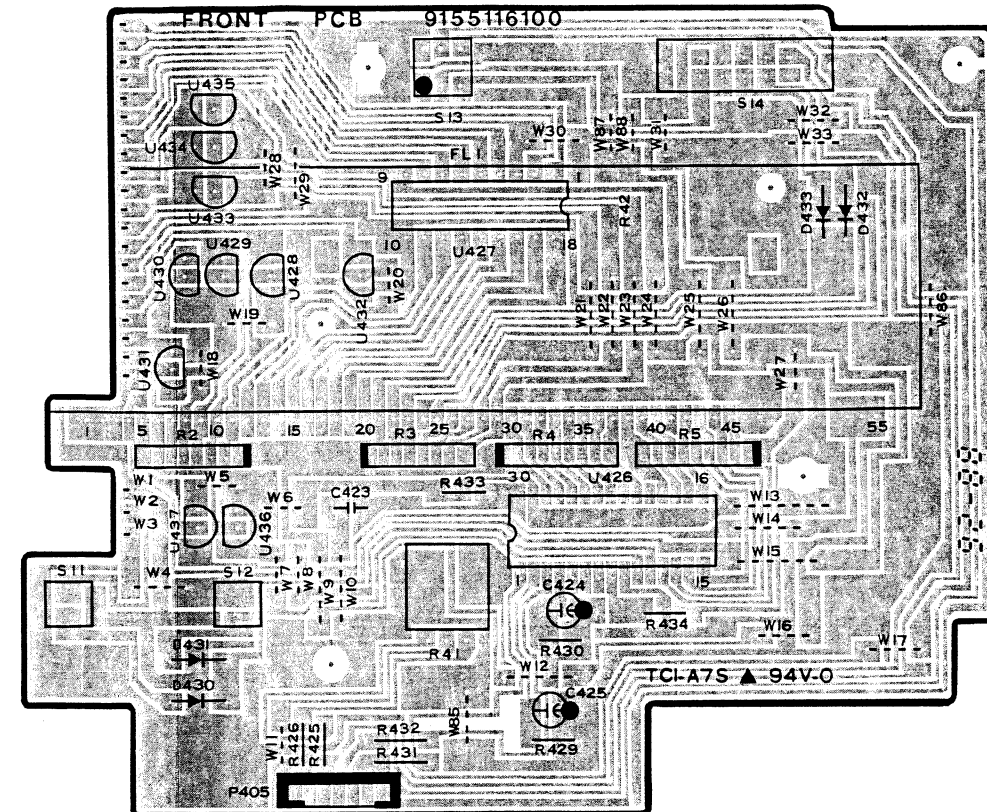
CONNECTOR PCB A



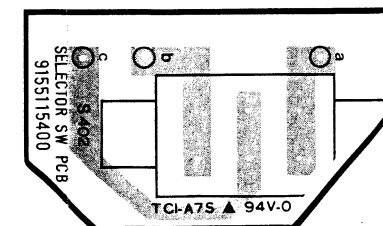
VR PCB



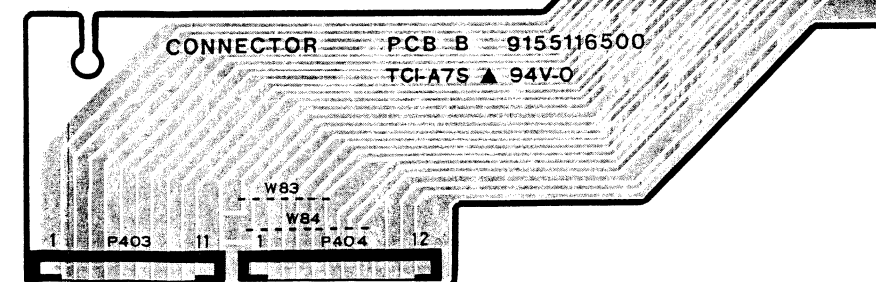
FRONT PCB



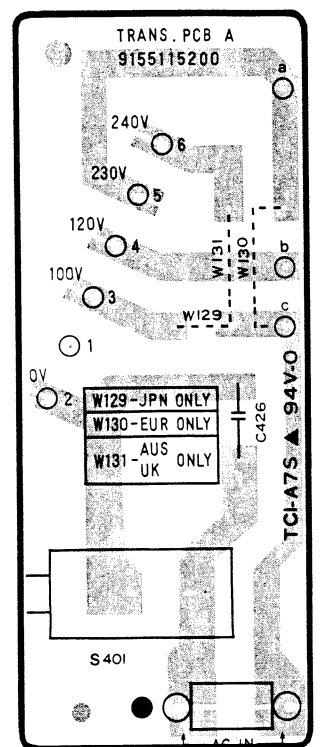
SELECTOR SW PCB



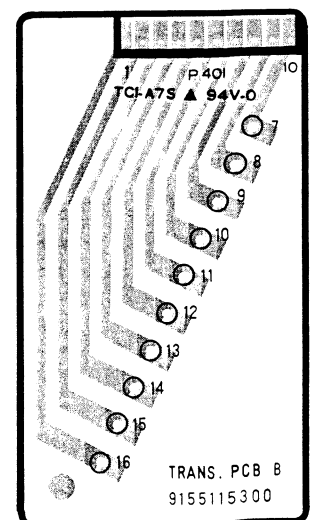
CONNECTOR PCB B



TRANS. PCB A



TRANS. PCB B



KEY PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145116200	KEY PCB ASSY
	*9155116200	KEY PCB
D418-427	9165022150	DIODE, 1SS133T
S 1- 9	9136001820	SW, TACT
S 10	9134010500	SW, SLIDE 2-3
U 2	9151001200	REMOTE CONT. RECEIVER

CONNECTOR PCB (A) ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145116400	CONNECTOR PCB (A) ASSY
	*9155116400	CONNECTOR PCB (A)
P402	5336350100	CONNECTOR PLUG, 11P

VR PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145116300	VR PCB ASSY
	*9155116300	VR PCB
	9229021000	EARTH PLATE (A)
J302	9143248010	PHONE JACK
J405	5336347700	CONNECTOR SOCKET, 7P
J406, 407	9143325000	CONNECTOR SOCKET, 8P
R 16, 26	9112056010	VR, SEMI-FIXED 4.7K (B)
R 31	9172021100	VR, REC 50K(A)X2
R 32	9172021300	VR, BALANCE 100K(W)X1
R 33	9172016100	VR, PHONE 20K(A)X2
U315, 316	9167012100	IC, NJM4558S

FRONT PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145116100	FRONT PCB ASSY
	*9155116100	FRONT PCB
	*9260177200	FL HOLDER
D430-433	9165022150	DIODE, 1SS133T
FL 1	5347023600	FL DISPLAY, FIP85AW21Y
P405	5336349700	CONNECTOR PLUG, 7P
R 2, 3	5242125700	R, ARRAY RYLS-7J104
R 4, 5	5242125800	R, ARRAY RYLS-8J104
R 41	9172021400	VR, BIAS 5K(B)
S 11, 12	9136001820	SW, TACT
S 13	9134010600	SW, MPX
S 14	9134010500	SW, SLIDE 2-3
U426	9167021400	IC, BA6800AS
U427	9167021300	IC, LB1240
U428-437	9163011220	TR, DTA124ES

SELECTOR SW PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145115400	SELECTOR SW PCB ASSY [US,C,GE]
	*9155115400	SELECTOR SW PCB
S402	△ 9134010700	SW, AC SELECTOR

CONNECTOR PCB (B) ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145116500	CONNECTOR PCB (B) ASSY
	*9155116500	CONNECTOR PCB (B)
P403	5336350100	CONNECTOR PLUG, 11P
P404	5336350200	CONNECTOR PLUG, 12P

TRANS. PCB (A) ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145115200	TRANS. PCB(A) ASSY [US,C,GE]
	*9145115210	TRANS. PCB(A) ASSY [E]
	*9145115220	TRANS. PCB(A) ASSY [J]
	*9145115230	TRANS. PCB(A) ASSY [A]
	*9145115240	TRANS. PCB(A) ASSY [UK]
	*9155115200	TRANS. PCB(A)
	△ 9109025701	AC CORD [E]
	△ 9109025800	AC CORD [US,C,GE]
	△ 9109025901	AC CORD [UK]
	△ 9109026000	AC CORD [A]
	△ 9109026100	AC CORD [J]
	5327009600	LAPPING TERMINAL, 2P [E,UK,A]
C426	△ 9120000100	SPARK KILLER, 0.0047UF/250V
S401	△ 9135028900	SW, POWER
T401	△ 9125099001	POWER TRANSFORMER

TRANS. PCB (B) ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145115300	TRANS. PCB (B) ASSY
	*9155115300	TRANS. PCB (B)
P401	9143199000	CONNECTOR PLUG, 10P

V-1010

TEAC®

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〒700 岡山市新保1142-6
〒730 広島市中区西川口町13-19
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〒811-22 福岡県粕屋郡志免町志免1041
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Phone: (03) 646-1733

TEAC ITALIANA S.p.A.

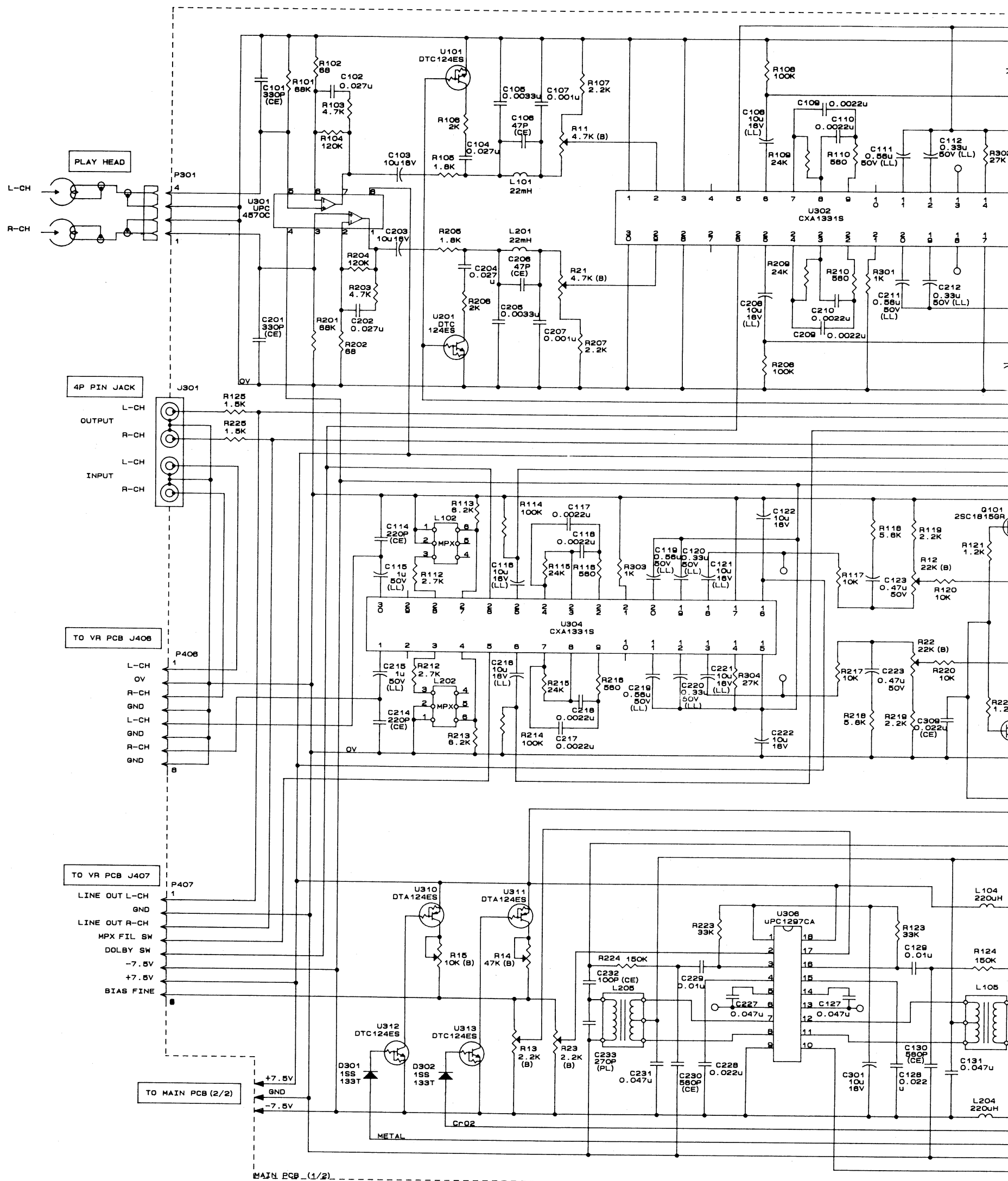
Via C. Cantù 5, Cinisello Balsamo, Milano, Italy

Phone: 02-66010500

TEAC SCHEMATIC DIAGRAM V-1010 R/P AMP SECTION

1 2 3 4 5

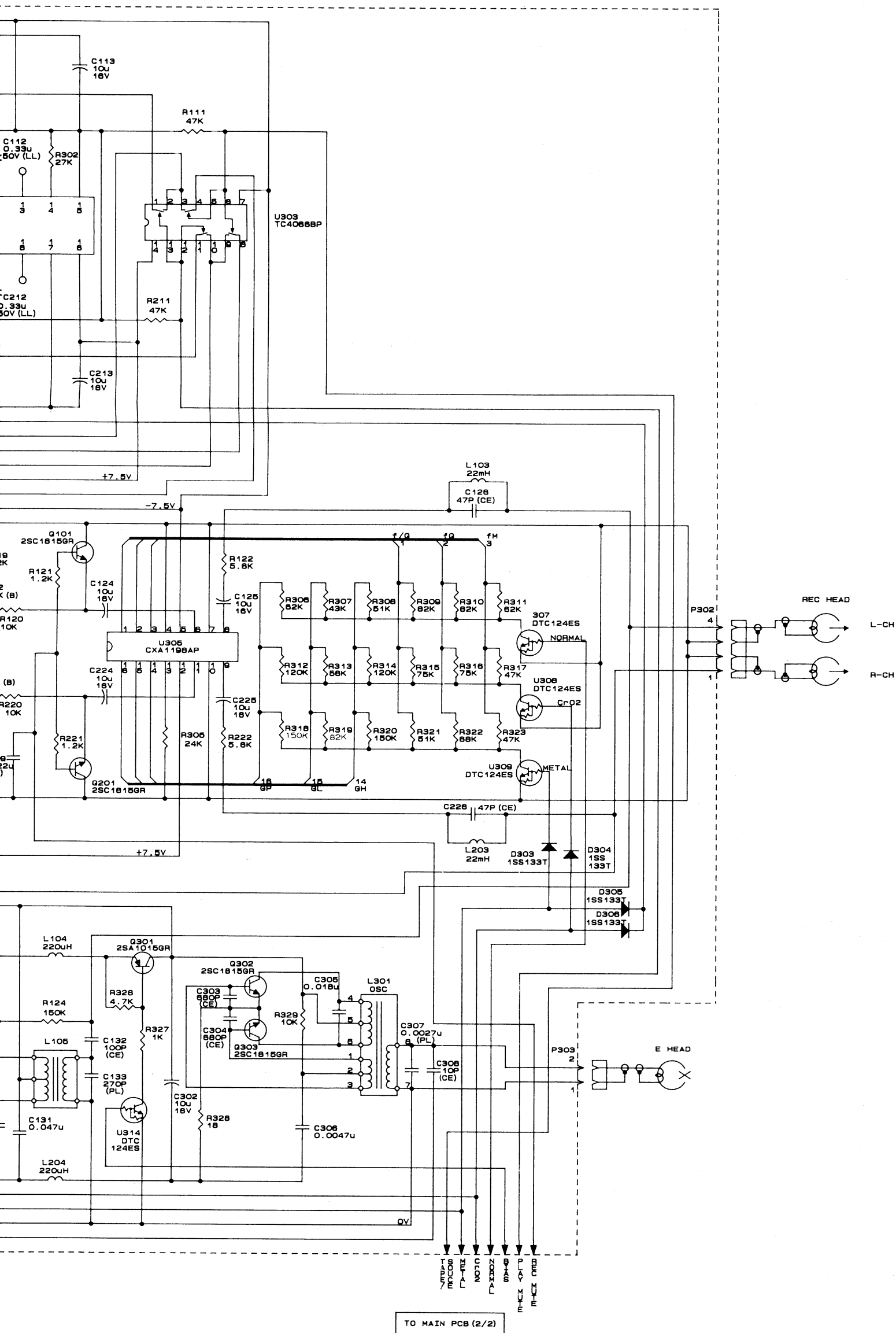
A
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INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

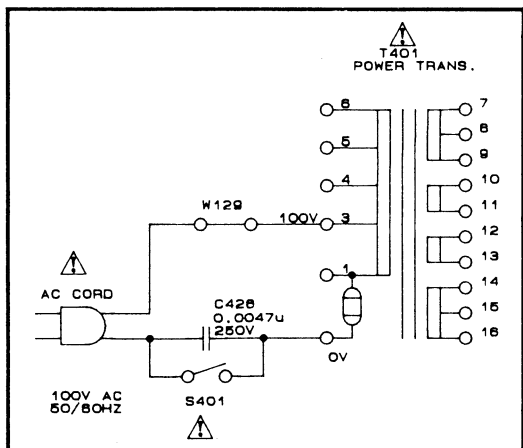
注意
1. 抵抗の単位はΩ (k=kΩ, M=MΩ) です。
2. コンデンサの単位はμF (p=pF) です。
3. △マークのある部品は安全規格重要部品です。交換するときは必ずテック指定の部品を使用してください。

NOTES:
1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. △ Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

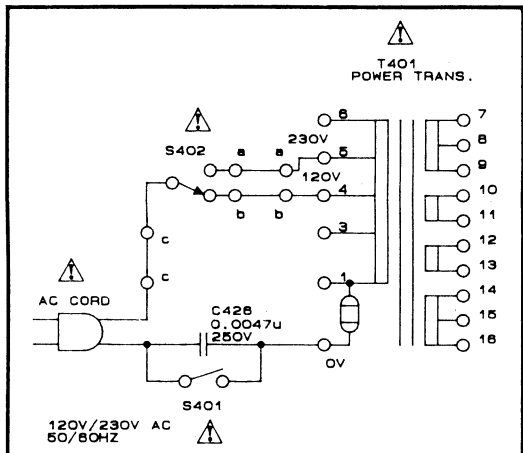


A
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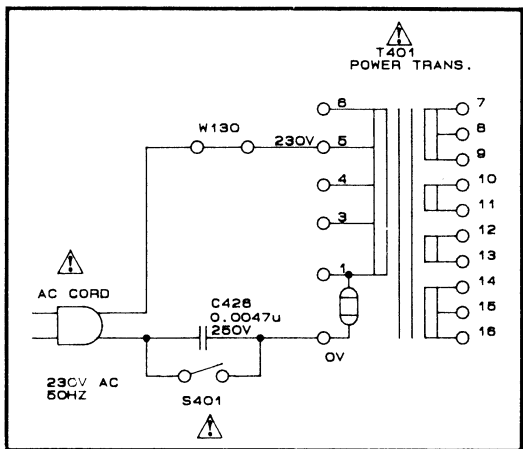
JPN



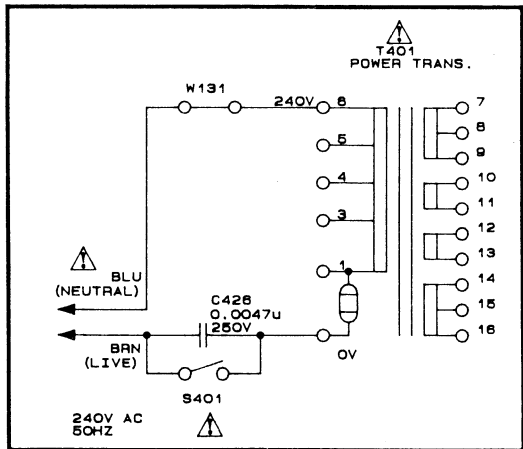
EX, TCA, CND



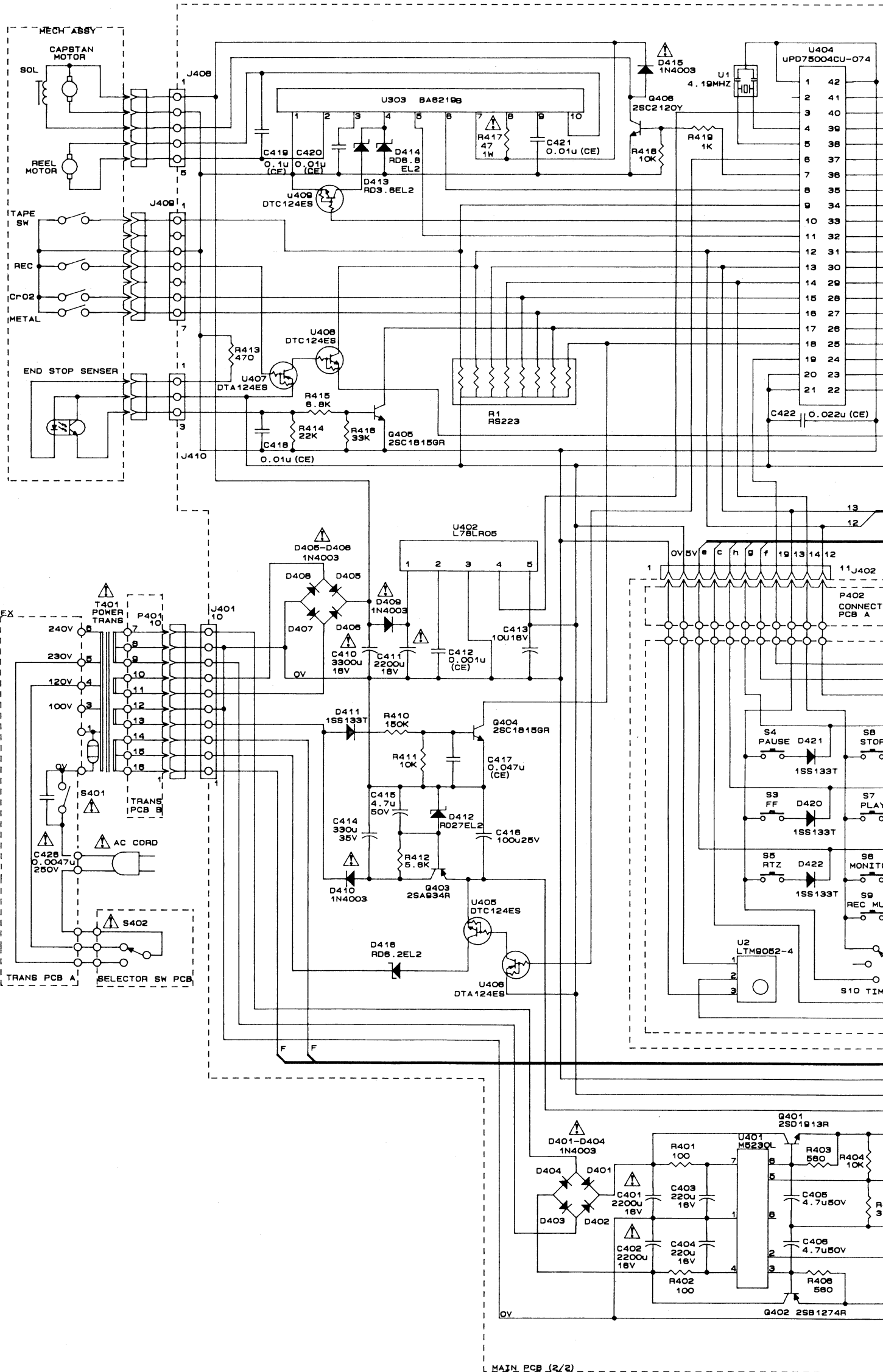
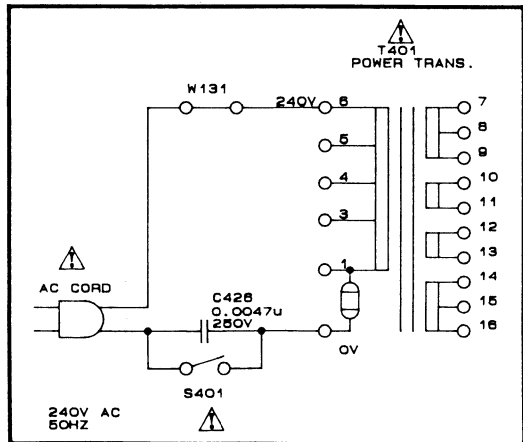
EUR



UK



AUS



INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES:
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注意
1. 抵抗の単位はΩ (k=kΩ, M=MΩ) です。
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