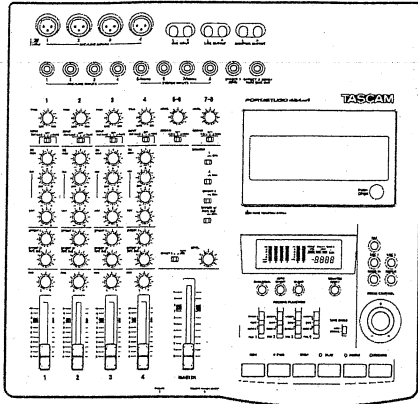


TASCAM

TEAC Professional Division



SERVICE MANUAL

424 MK II

PORTASTUDIO

NOTES

As regards the resistors and capacitors, refer to the circuit diagrams and the PCB ass'y drawings contained in this manual.

- * PC boards shown viewed from parts side.
- * Parts marked with * require longer deliver time.
- * Δ Parts marked with this sign are safety critical components. They must always be replaced with identical components — refer to the TEAC Parts List and ensure exact replacement.
- * Parts not shown in the parts lists, or parts, though listed, having no parts numbers, are not general "ready-to-supply" parts.
- * Parts of [] mark can be used only with the version designated.
[US/C]: U. S. A. /CANADA [E]: EUROPE [UK]: U. K. [A]: AUSTRALIA
[J]: JAPAN

注意

標準抵抗、コンデンサーは省略してあります。回路図および基板図を参照してください。

- 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。
- Δ 印は安全規格重要部品です。交換するときは必ずティアック指定の部品を使用してください。
- リストされていない部品は原則としてサービス供給部品として取扱っていません。
- 仕向先
[US/C]: U. S. A. /CANADA [E]: EUROPE [UK]: U. K. [A]: AUSTRALIA
[J]: JAPAN

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.

1. SPECIFICATIONS

仕様

MECHANICAL

Type : Compact cassette (C-30 to C-90), High-Bias (CrO₂)**Track Format** : 4-track/4-channel**Head Configuration** :

4-channel record/play head (permalloy) × 1

4-channel erase head (ferrite) × 1

Motor : DC servo motor × 1**Tape Speed** :

Switchable two speeds : 9.5 cm/sec. (3-3/4 ips)

4.8 cm/sec. (1-7/8 ips)

Speed Accuracy : +/- 1.0 %**Pitch Control** : +/- 12 % (approx.)**Wow and Flutter** : 0.06 % WRMS at 4.8 cm/sec.

0.05 % WRMS at 9.5 cm/sec.

Fast Winding Time : 120 sec. (approx.) with C-60

ELECTRONICS

Mixer Section**MIC/LINE INPUT, Ch.1-4 (XLR type connector x 4)****Input Impedance** : 3.6 kohms**Nominal Input Level** : -60 dBV (1 mV) (MIC position)

-20 dBV (0.1 V) (LINE position)

Maximum Input Level : +3 dBV (1.4 V) at Trim Min.**MIC/LINE INPUT, Ch.1-4 (1/4" phone jack x 4)****Input Impedance** : 5.6 kohms**Nominal Input Level** : -50 dBV (3 mV) (MIC position)

-10 dBV (0.3 V) (LINE position)

Maximum Input Level : +10 dBV (3 V) at Trim Min.**STEREO INPUT, Ch.5-8 (1/4" phone jack x 4)****Input Impedance** : 10 kohms**Nominal Input Level** : -10 dBV (0.3 V)**Maximum Input Level** : +10 dBV (3 V)**SUB INPUT (RCA jack x 2)****Input Impedance** : 10 kohms**Nominal Input Level** : -10 dBV (0.3 V)**Maximum Input Level** : +10 dBV (3 V)**LINE OUTPUT (RCA jack x 2)****Output Impedance** : 100 ohms**Nominal Output Level** : -10 dBV (0.3 V)**Minimum Load Impedance** : 2 kohms**EFFECT 1 SEND (1/4" phone jack)****Output Impedance** : 100 ohms**Nominal Output Level** : -10 dBV (0.3 V)**Minimum Load Impedance** : 2 kohms**EFFECT 2 SEND/TAPE CUE OUT (1/4" phone jack)****Output Impedance** : 100 ohms**Nominal Output Level** : -10 dBV (0.3 V)**Minimum Load Impedance** : 2 kohms**TAPE OUTPUT (RCA Jack x 4)****Output Impedance** : 100 ohms**Nominal Output Level** : -10 dBV (0.3 V)**Minimum Load Impedance** : 2 kohms**MONITOR OUTPUT (RCA jack x 2)****Output Impedance** : 690 ohms**Nominal Output Level** : -10 dBV (0.3 V)**PHONES (1/4" stereo phone jack x 1)****Nominal Load Impedance** : 30 ohms**Maximum Output Level** : 100 mW (approx.)**Equalizer****HIGH (Shelving)** : 10 kHz, ± 10 dB**MID (Parametric)** : 250 Hz to 5 kHz, ± 14 dB**LOW (Shelving)** : 100 Hz, ± 10 dB**Frequency Response****MIC IN to LINE OUT** : 20 Hz to 20 kHz, ± 3 dB**LINE IN to LINE OUT** : 20 Hz to 20 kHz, ± 2 dB**LINE IN to EFFECT SEND** : 20 Hz to 20 kHz, ± 2 dB**LINE IN to PHONES** : 40 Hz to 20 kHz, ± 3 dB**Signal-to-Noise Ratio (20 Hz to 20 kHz, B.P.F. inserted)****1 MIC IN to LINE OUT** :

65 dB (at a nominal input level of -60dBV)

4 MIC INs to LINE OUT :

60 dB (at a nominal input level of -60dBV)

1 LINE IN to LINE OUT :

76 dB (at a nominal input level of -10dBV)

4 LINE INs to LINE OUT :

70 dB (at a nominal input level of -10dBV)

Distortion**1 MIC IN to LINE OUT** : 0.05 % (at 1 kHz, 15 dB above nominal input level with 30 kHz-L.P.F. inserted)**1 LINE IN to LINE OUT** : 0.04 % (at 1 kHz, nominal input level with 30 kHz-L.P.F. inserted)**Crosstalk** : 55 dB (at 1 kHz, nominal input level with 30 kHz-L.P.F. inserted)

Recorder Section**Record/Play channels** : 4/4**Noise Reduction** : dbx Type II**Overall Frequency Response** :40 Hz to 16 kHz, ± 3 dB at 9.5 cm/sec.40 Hz to 10 kHz, ± 3 dB at 4.8 cm/sec.**Overall Signal-to-Noise Ratio** :

UNWTD (20 Hz to 20 kHz) / IHF A WTD

HIGH : 55 dB/58 dB (without dbx) ;

90 dB/95 dB (with dbx)

HNORMAL : 54 dB/56 dB (without dbx) ;

88 dB/93 dB (with dbx)

Total Harmonic Distortion : 1.0% (1 kHz)**Crosstalk** : 55 dB or better**Erasure** : 65 dB or better (at 1 kHz, B.P.F. inserted)**OTHERS****Power Requirements** :**USA/CANADA** : 120 V AC, 60 Hz**U.K./EUROPE** : 230 V AC, 50 Hz**AUSTRALIA** : 240 V AC, 50 Hz**JAPAN** : 100 V AC, 50-60 Hz**Power Consumption** : 21W**Dimensions (W x H x D)** :

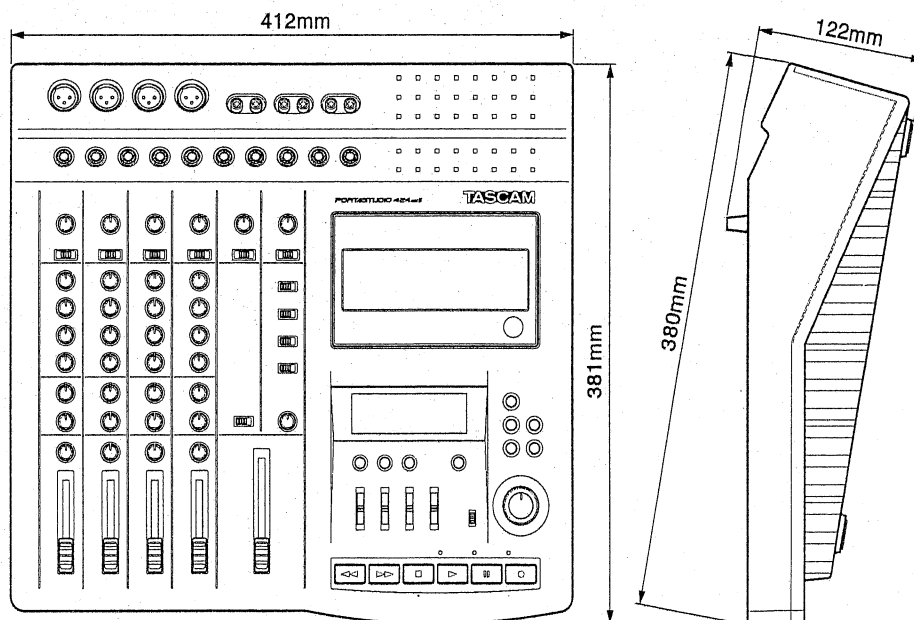
412 x 122 x 381 mm (16-1/4" x 4-13/16" x 14-15/16")

Weight (Net) : 4.9 kg (10-13/16 lbs.)

In these specifications, 0 dBV is referenced to 1 Volt.
Actual voltage levels are also given in parenthesis
(0.316 V for -10 dBV rounded off to 0.3 V).

* dbx is a registered trademark of dbx Incorporated.
* Changes in specifications and features may be made
without notice or obligation.

* dbxおよびdbxマークはdbxインコーポレーテッドの登録商標
です。
* dbxシステムはdbxインコーポレーテッドの実地権に基づいて
製造されています。
*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。



2. MECHANICAL CHECKS AND ADJUSTMENTS

機構部の確認と調整

2-1. Wow and flutter

1. Connect the wow and flutter meter to TAPE OUT.
2. The wow and flutter value when the test tape MXT-111 (High Speed)/MTT-111N (Normal Speed) is played back should be within the standard given below:
High Speed : 0.08 % or less (JIS WRMS)
Normal Speed : 0.10 % or less (JIS WRMS)

2-1. ワウ・フラッタ

1. TAPE OUTにワウ・フラッタ・メータを接続する。
2. テスト・テープ MXT-111 (High Speed)、MTT-111N (Normal Speed) を再生したときのワウ・フラッタ値は下記規格内であること。
High Speed : 0.08 %以下 (JIS WRMS)
Normal Speed : 0.10 %以下 (JIS WRMS)

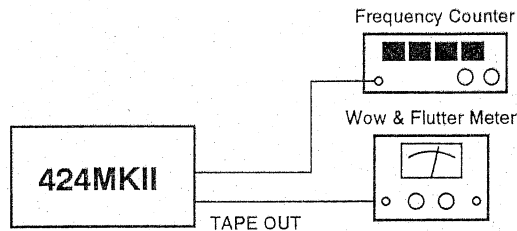


Fig. 2-1

2-2. Tape speed

1. Connect the frequency counter to TAPE OUT.
2. Set the PITCH CONTROL knob to the center position.
3. Turn the POWER switch ON, then play back the test tape. Leave the tape in this state for at least one minute, in order to let the capstan motor rotate and warm up.
4. Play back the middle portion of the test tape MXT-111 (High Speed)/MTT-111N (Normal Speed), then adjust trimmer resistor R2 (High Speed)/R3 (Normal Speed) (Fig. 2-2) on the PITCH CONTROL PCB till a frequency counter reading of 3000 Hz \pm 5 Hz is reached.
5. After adjustment, check the following at both the beginning and the end of tape.
Frequency reading : 3000 Hz \pm 60 Hz
Fluctuation : less than 75 Hz

2-2. テープ・スピード

1. TAPE OUTに周波数カウンタを接続する。
2. PITCH CONTROLノブをセンターにセットする。
3. キャプスタン・モータを回転させウォーミング・アップさせるために、テスト・テープを装着し再生状態にして少なくとも1分間そのままにしておく。
4. テスト・テープ MXT-111 (High Speed)、MTT-111N (Normal Speed) の中間部を再生したとき、周波数カウンタの値が3000Hz \pm 5Hzになるように PITCH CONTROL PCBの半固定抵抗 R2 (High Speed)、R3 (Normal Speed) (図2-2) を調整する。
5. 調整後、テープの巻始めと巻終わり、次の値が得られるかを確認する。
速度偏差 : 3000Hz \pm 60Hz
変動幅 : 75Hz以内

2-3. Pitch control

After the tape speed has been adjusted, play back the test tape MXT-111 (High Speed)/MTT-111N (Normal Speed), turn the PITCH CONTROL knob to the maximum and minimum positions so that the tape speed variations are as follows :

Specifications : \pm 10 % or more
(2700 Hz or less, 3300 Hz or more)

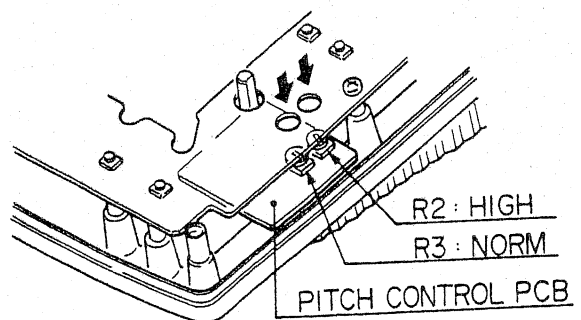


Fig. 2-2

2-3. ピッチ・コントロール

テープ・スピード調整後、テスト・テープ MXT-111 (High Speed)、MTT-111N (Normal Speed) を再生し、PITCH CONTROLノブを最大、最小に回したときのテープ・スピード可変幅は次の通りであること。

規格 : \pm 10 %以上 (2700Hz以下、3300Hz以上)

2-4. Reel torque

1. Take-up torque/back tension torque

The torque values when the test tape MTT-8111 for measuring torques is played back should be as follows:

Take-up torque (right reel) : 30 to 60 g·cm

Back tension torque (left reel) : 2 to 5 g·cm

2. FF/REW torque

Load the test tape MTT-8242 for measuring torques, then measure the starting torque when the unit is in FF and REW operation. The standard values are as follows:

Torque in FF mode (right reel) : 70 to 140 g·cm

Torque in REW mode (left reel) : 70 to 140 g·cm

2-5. R/P head azimuth

1. Refer to Figure 2-3 and connect the channel 1 TAPE OUT to the vertical input of an oscilloscope, and connect the channel 4 TAPE OUT to the horizontal input of the scope.
2. Set tape speed to HIGH, play the 315 Hz and 6.3 kHz signals on test tape MXT-1161 and adjust azimuth adjustment screw for 0 degree phase shift between channels 1 and 4. (Refer to Figure 2-4)
3. Play the test tape MXT-112 and check for 45 degrees or less of phase shift between channel 1 and 2, channel 2 and 3, and channel 2 and 4.

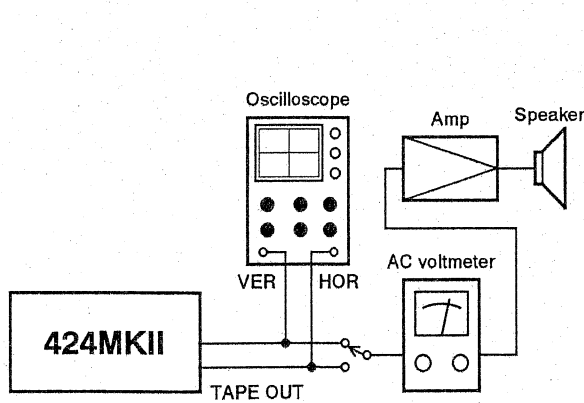


Fig. 2-3

2-4. リール・トルク

1. テイクアップ・トルク/バックテンション・トルク

トルク測定用テスト・テープ MTT-8111を再生したときのトルク値は下記の通りであること。

テイクアップ・トルク (右リール台) : 30~60g・cm

バックテンション・トルク (左リール台) : 2~5g・cm

2. FF/REWトルク

トルク測定用テスト・テープ MTT-8242を装着し、FF動作およびREW動作の起動トルクをそれぞれ測定する。規格値は次の通り。

FFトルク (右リール台) : 70~140g・cm

REWトルク (左リール台) : 70~140g・cm

2-5. 録再ヘッド・アジマス

1. 図2-3のようにCH1のTAPE OUTをオシロスコープのVER側に、CH4のTAPE OUTをHOR側に接続する。
2. テープ・スピードをHIGHにし、テスト・テープ MXT-1161の315Hzおよび6.3kHzを再生して、CH1とCH4の位相が0°になるようにアジマス調整ネジを調整する。(図2-4)
3. テスト・テープ MXT-112を再生して、CH1-CH2、CH2-CH3、CH2-CH4の位相が45°以内であることを確認する。

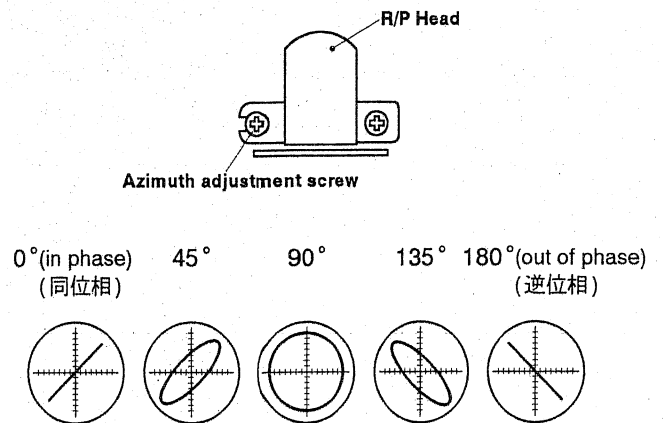
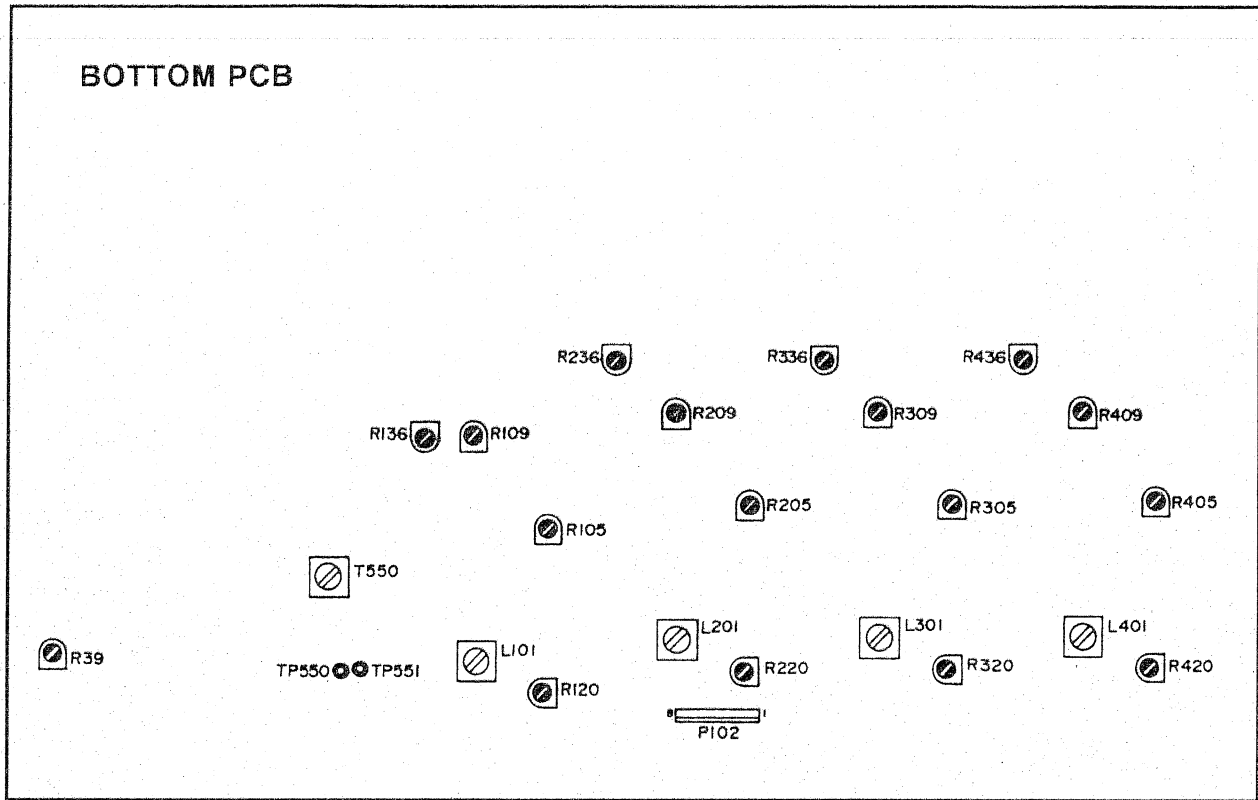


Fig. 2-4

3. AMPLIFIER CHECKS AND ADJUSTMENTS

録音・再生アンプの確認と調整



R109 (R209~R409)	Reproduce Reference Level	再生基準レベル
R39	Meter Calibration	メーター・レベル
R105 (R205~R405)	Reproduce Frequency Response	再生周波数特性
T550	Bias Oscillator Frequency	バイアス発振周波数
L101 (L201~L401)	Bias Amp (Erase)	バイアス・アンプ (消去)
R120 (R220~R420)	Bias Set	バイアス・セット
R136 (R236~R436)	Record Reference Level	録音基準レベル

Fig. 3-1 Adjustment and check points

調整箇所および測定箇所

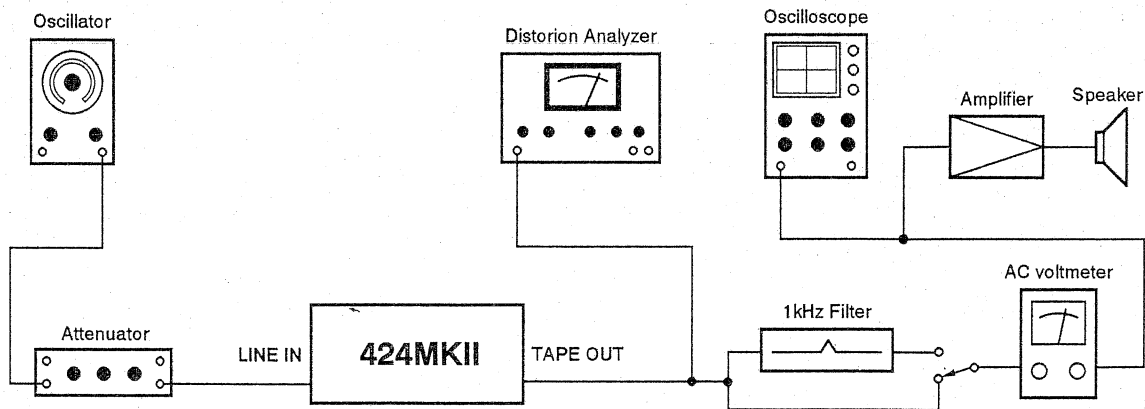


Fig. 3-2 Basic test setup

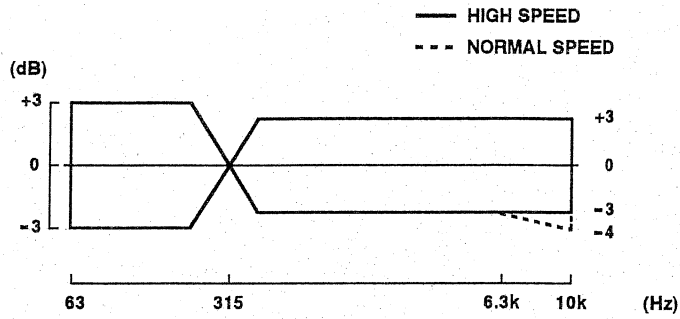


Fig. 3-3 Playback frequency
再生周波数特性

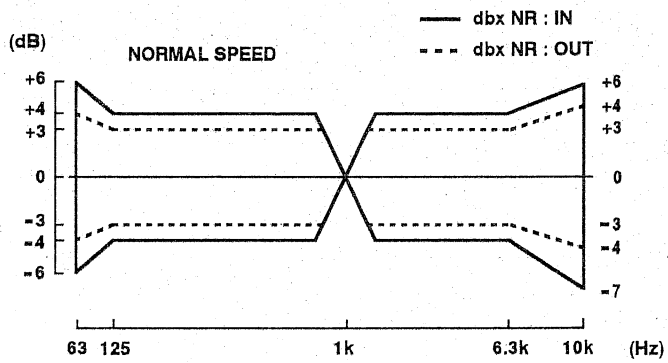
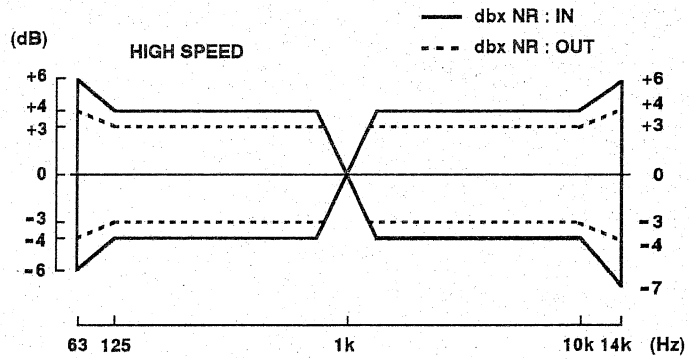


Fig. 3-4 Overall frequency response
録再周波数特性

3-1. Precautions

1. Before performing adjustments or checks, clean and demagnetize the entire tape path.
2. The AC voltmeter used in the procedures must have an input impedance of 1 MΩ or more.
3. 0 dBV corresponds 1.0 V.
4. For blank tape, use TEAC MTT-5562 or equivalent tapes.
5. Indication, for example, "R109 (R209 to R409)" means that R109 is for channel 1, R209 for channel 2, R309 for channel 3 and so on.
6. Refer to Figure 3-1 for location of adjustment points.

3-2. Playback System

Test Mode : PLAY

Measurement Point : TAPE OUT terminals (unless otherwise specified)

Adjustment Item	Preliminary	Input Signal	Adjustment Point	Measurement Method / Value Adjusted For
1. Reproduce Reference Level	Connection : Fig. 3-2 ; Tape Speed : HIGH	MXT - 112	R109 (R209 to R409)	- 10 dBV at output Specs : - 10 dBV ± 1.5 dB
2. Meter Calibration	Tape Speed : HIGH	Same as above	R39	0 dB on the meter
3. Reproduce Frequency Response	Connection : Fig. 3-2 ; Tape Speed : HIGH	MXT - 1161	R105 (R205 to R405)	0 dB at 10 kHz (same level as at 315 Hz) Specs : Fig. 3-3
	Tape Speed : NORMAL	MTT - 356	Check only	Specs : Fig. 3-3
4. Level Difference between Channels	Connection : Fig. 3-2 ; Tape Speed : HIGH	MXT - 1161	Check only	63 Hz to 10 kHz : within 3 dB
5. Level Fluctuation	Same as above	Same as above	Check only	63 Hz to 6.3 kHz : within 2 dB 6.3 kHz to 10 kHz : within 3 dB
6. Reproduce S/N Ratio	Connection : Fig. 3-2 ; dBx NR : OFF ; DIN AUDIO	—	Check only	Measure output when leader tape is played back with the unit set for nominal output level , and compare this reading with nominal output level. High Speed : 48 dB or more Normal Speed : 46 dB or more Defference between channels : within 4 dB

3-3. Recording System

Test Mode : REC/PLAY (unless otherwise specified)

Measurement Point : TAPE OUT terminals (unless otherwise specified)

Adjustment Item	Preliminary	Input Signal	Adjustment Point	Measurement Method / Value Adjusted For
1. Bias Oscillator Frequency	Frequency counter connected between TP550 and TP551 (GND) ; REC FUNCTION sw. : ON for all channels ; Transport : REC/PAUSE	—	T550	85 kHz ± 2 kHz as read on frequency counter
2. Bias Amp (Erase)	Oscilloscope connected between terminals # 1 (3, 5,7) and GND of P102 (with the scope's probe set to × 10) ; REC FUNCTION sw. : ON for all channels ; Transport : REC/PAUSE	—	L101 (L201 to L401)	Maximum output as read on the scope connected between the specified terminals of P102 : Trminals # 1 and GND - for Ch.1 Trminals # 3 and GND - for Ch.2 Trminals # 5 and GND - for Ch.3 Trminals # 7 and GND - for Ch.4

Adjustment Item	Preliminary	Input Signal	Adjustment point	Measurement Method / Value Adjusted For
3. Bias Set	Connection : Fig. 3-2 ; Tape Speed : HIGH ; dBx NR : ON	1 kHz/10 kHz, - 30 dBV	R120 (R220 to R420)	Same output level at 1 kHz and 10 kHz signals as read off tape during recording them one after another
4. Record Reference Level	Connection : Fig. 3-2 ; Tape Speed : HIGH ; dBx NR : ON	1 kHz, - 10 dBV	R136 (R236 to R436)	- 10 dBV output as read off tape during recording ; Tolerance : - 10 dBV \pm 3 dB (whether dBx NR is ON or OFF)
5. Record Distortion	Connection : Fig. 3-2 ; dBx NR : OFF	Same as above	Check only	Specs : 2.0 % or less
6. Rec/Repro Frequency Response	Connection : Fig. 3-2 ; dBx NR : ON/OFF	63 Hz to 14 kHz, - 30 dBV	Check only	Specs : Fig. 3-4
7. Level Difference between Channels	Connection : Fig. 3-2 ; dBx NR : OFF	63 Hz to 10 kHz, - 30 dBV	Check only	3 dB or less over 63 Hz to 6.3 kHz 4 dB or less over 6.3 kHz to 10 kHz
8. Level Fluctuation	Same as above	63 Hz to 14 kHz, - 30 dBV	Check only	1 dB or less at 1 kHz 2 dB or less over 63 Hz to 6.3 kHz 3 dB or less over 6.3 kHz to 14 kHz
9. Crosstalk between Tracks	Connection : Fig. 3-2 ; dBx NR : OFF ; REC FUNCTION sw. : ON for Ch.1 and 3	125 Hz, - 10 dBV into Ch.1 and 3 ; No signal into Ch.2 and 4	Check only	Record the input signal, then rewind the tape and play the recording. Compare the output from Ch.1 and Ch.3 with that from Ch.2 and 4. Level difference : 35 dB or greater In a similar way, check also the reverse : leakage from Ch.2 and 4 into Ch.1 and 3.
10. Channel Separation	Connection : Fig. 3-2 (1 kHz B.P.F. inserted) ; REC FUNCTION sw. : ON for all channels ; dBx NR : OFF	1 kHz, - 10 dBV into Ch.1 and 3 ; No signal into Ch.2 and 4	Check only	Compare the output level from Ch.1 and 3 with that from Ch.2 and 4 as read off tape during recording. Level difference : 45 dB or greater In a similar way, check also the reverse : leakage from Ch.2 and 4 into Ch.1 and 3.
11. Cross - erase	Connection : Fig. 3-2 ; dBx NR : OFF	10 kHz, - 10 dBV into Ch.1 and 3	Check only	Record tracks 1 and 3 and play the recording to measure their playback level, then erase tracks 2 and 4 to check for level drop of 1.5 dB or less in output from tracks 1 and 3. In a similar way, check also the reverse : recording tracks 2 and 4, erasing tracks 1 and 3, and checking level drop in output from tracks 2 and 4.
12. Erase Efficiency	Connection : Fig. 3-2 (1 kHz B.P.F. inserted) ; dBx NR : OFF	1 kHz, 0 dBV	Check only	Erase a part of a recorded section and play the tape to compare the level from the remaining recorded section with that from erased section. Level difference : 65 dB or greater
13. Rec/Repro S/N Ratio	Connection : Fig. 3-2 ; dBx NR : OFF ; DIN AUDIO	No input	Check only	Compare the output from the "no-signal" recording with nominal output level. Level difference : 45 dB or greater at High Speed ; 43 dB or greater at Normal Speed. Difference between channels : 4 dB or less

3-1. 注意

1. アンプ部の調整の前に、消去ヘッド、録/再ヘッド、テープ走行部分をそれぞれ充分消磁し、クリーナ液で清掃して下さい。
2. レベル計は、入力インピーダンス1MΩ以上のものを使用して下さい。
3. 0dBV = 1.0Vで表示しています。
4. ブランク・テープは、TEAC MTT-5562または相当品を使用して下さい。
5. R109 (R209~R409) と記されているボリュームの部番は、CH1 (CH2~CH4) を示します。
6. 調整箇所は、図3-1を参照して下さい。

3-2. 再生系

モード：PLAY

測定箇所：TAPE OUT 端子

調整項目	準備・設定	入力信号	調整箇所	測定方法・調整値
1. 再生基準レベル	接続：図3-2 Tape Speed：HIGH	MXT-112	R109 (R209~R409)	出力が-10dBVになるように調整 規格：-10dBV ± 1.5dB
2. メーター・レベル	Tape Speed：HIGH	同上	R39	メーター指示：0dB
3. 再生周波数特性	接続：図3-2 Tape Speed：HIGH	MXT-1161	R105 (R205~R405)	10kHzのレベルが0dB (315Hzと同レベル) になるように調整 規格：図3-3
	接続：図3-2 Tape Speed：NORMAL	MTT-356	チェック	規格：図3-3
4. チャンネル間レベル差	接続：図3-2 Tape Speed：HIGH	MXT-1161	チェック	63Hz~10kHz：3dB以内
5. レベル変動	同上	同上	チェック	63Hz~6.3kHz：2dB以内 6.3kHz~10kHz：3dB以内
6. 再生S/N	接続：図3-2 dBx NR：OFF DIN AUDIO	—	チェック	基準出力状態で、リーダー・テープ部を再生した時のノイズ・レベルと基準出力との比 High Speed：48dB以上 Normal Speed：46dB以上 チャンネル差4dB以内

3-3. 録音系

モード：REC/PLAY (特に指示のある場合を除く)

測定箇所：TAPE OUT 端子 (特に指示のある場合を除く)

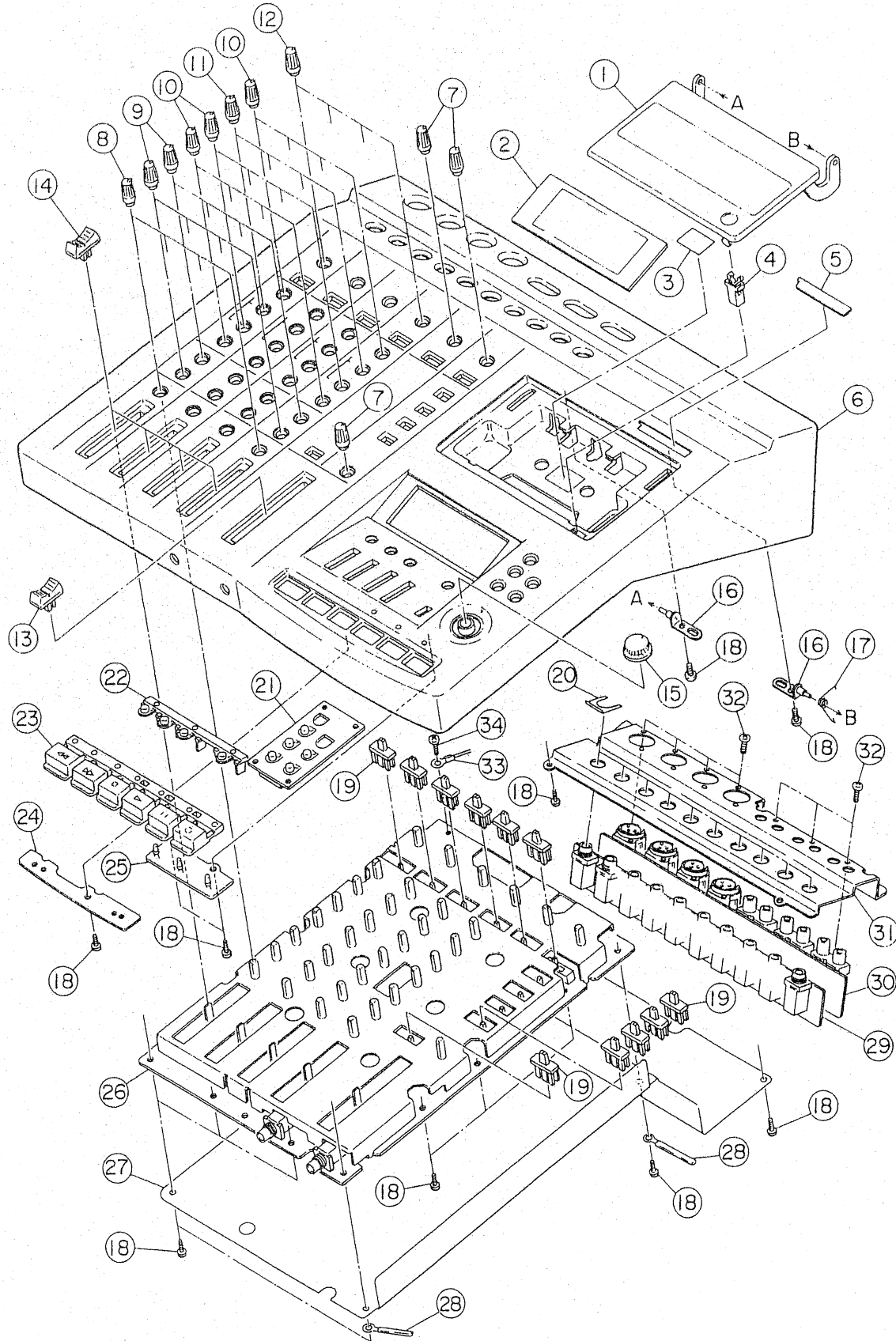
調整項目	準備・設定	入力信号	調整箇所	測定方法・調整値
1. バイアス発振周波数	TP550とTP551 (GND) 間に周波数カウンタを接続 REC FUNC. SW：全ch ON REC/PAUSE状態	—	T550	周波数が85kHz ± 2kHzになるように調整
2. バイアス・アンプ (消去)	P102-1 (3, 5, 7) とGND間にオシロスコープを接続 (プローブは×10にて使用) REC FUNC. SW：全ch ON REC/PAUSE状態	—	L101 (L201~L401)	下記の端子間の出力が最大になるように調整 CH1：P102の1番端子-GND間 CH2：P102の3番端子-GND間 CH3：P102の5番端子-GND間 CH4：P102の7番端子-GND間
3. バイアス・セット	接続：図3-2 Tape Speed：HIGH dBx NR：ON	1kHz, 10kHz/ -30dBV	R120 (R220~R420)	録音・再生したとき、1kHzと10kHzが同レベルになるように調整

調整項目	準備・設定	入力信号	調整箇所	測定方法・調整値
4. 録音基準レベル	接続：図3-2 Tape Speed : HIGH dBx NR : ON	1kHz / -10dBV	R136 (R236~R436)	録音・再生したとき、出力が-10dBVになるように調整 規格：-10dBV ± 3dB (dBx NR : ON, OFF 共)
5. 録音歪率	接続：図3-2 dBx NR : OFF	同上	チェック	規格：2.0%以下
6. 録再周波数特性	接続：図3-2 dBx NR : ON, OFF	63Hz~14kHz / -30dBV	チェック	規格：図3-4
7. チャンネル間 レベル差	接続：図3-2 dBx NR : OFF	63Hz~10kHz / -30dBV	チェック	録再周波数特性規格内におけるch間のレベル差 63Hz~6.3kHz : 3dB以内 6.3kHz~10kHz : 4dB以内
8. レベル変動	同上	63Hz~14kHz / -30dBV	チェック	録再周波数特性規格内におけるレベル変動 1kHz : 1dB以内 63Hz~6.3kHz : 2dB以内 6.3kHz~14kHz : 3dB以内
9. トラック間 クロストーク	接続：図3-2 dBx NR : OFF REC FUNC. SW : 1,3ch ON	1,3ch : 125Hz / -10dBV 2,4ch : 無信号	チェック	録音・再生したときの1,3chの再生出力と2,4chの再生出力の比 35dB以上 2,4ch → 1,3chの場合も同様
10. チャンネル・ セパレーション	接続：図3-2 (1kHz B.P.F.使用) REC FUNC. SW : 全ch ON dBx NR : OFF	1,3ch : 1kHz / -10dBV 2,4ch : 無信号	チェック	録音・再生したときの1,3chの再生出力と2,4chの再生出力の比 45dB以上 2,4ch → 1,3chの場合も同様
11. クロス消去	接続：図3-2 dBx NR : OFF	1,3ch : 10kHz / -10dBV	チェック	1,3chを録音・再生してレベルを確認後、2,4chを消去したとき、1,3chのレベルの低下 1.5dB以内 2,4ch → 1,3chの場合も同様
12. 消去率	接続：図3-2 (1kHz B.P.F.使用) dBx NR : OFF	1kHz / 0dBV	チェック	録音部分の一部を残して消去した後、再生したときの未消去部分との比 65dB以上
13. 録再S/N	接続：図3-2 dBx NR : OFF DIN AUDIO	無信号	チェック	基準出力と無信号録再出力レベルとの比 High Speed : 45dB以上 Normal Speed : 43dB以上 チャンネル差 : 4dB以内

4. 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
1- 1	*5801393600	COVER, CASSETTE	
1- 2	*9260262000	WINDOW	
1- 3	*9260205700	PLATE, REFLECT	
1- 4	*9260246700	LATCH, A466	
1- 5	*9260268801	TASCAM BADGE	
1- 6	*9260260701	CABINET, TOP	
1- 7	9260269600	KNOB, ROTARY	
1- 8	9260262900	KNOB, ROTARY N63/WHITE	
1- 9	9260262800	KNOB, ROTARY N63/G04	
1-10	9260262700	KNOB, ROTARY N63/B09	
1-11	9260263100	KNOB, ROTARY N63/B14	
1-12	9260263000	KNOB, ROTARY N63/R16	
1-13	M00004001A	KNOB, FADER RD	
1-14	M00004000A	KNOB, FADER OG	
1-15	M00004200A	KNOB, PITCH GY	
1-16	*5801400200	BRACKET ASSY, CASSETTE COVER	
1-17	*9260266300	SPRING, UP	
1-18	*9783603008	SCREW, BTT-P M3X8	
1-19	M00006100A	KNOB, SLIDE GY	
1-20	*9260205900	MNT PLATE	
1-21	M00003501A	BUTTON, DSP	
1-22	M00003300A	BUTTON, RST GY	
1-23	M00003200A	BUTTON, OPE GY	
1-24	*9155165000	HOLDER PCB	
1-25	*9145159701	LED PCB ASSY	Refer to pages 22 & 27
1-26	*9145162002	MIXER PCB ASSY	Refer to pages 19 & 26
1-27	*9260261601	SHIELD SHEET, MIXER B	
1-28	*9788823059	WIRE CLAMPER	
1-29	*9145159200	JACK B PCB ASSY	Refer to pages 21 & 27
1-30	*9145159101	JACK A PCB ASSY	Refer to pages 21 & 27
1-31	*9260260601	BRACKET, JACK	
1-32	*9783613008	SCREW, BTT-P M3X8 (BLK)	
1-33	*9107091000	GND WIRE D (B)	
1-34	*9783203006	SCREW, BTT-S M3X6	

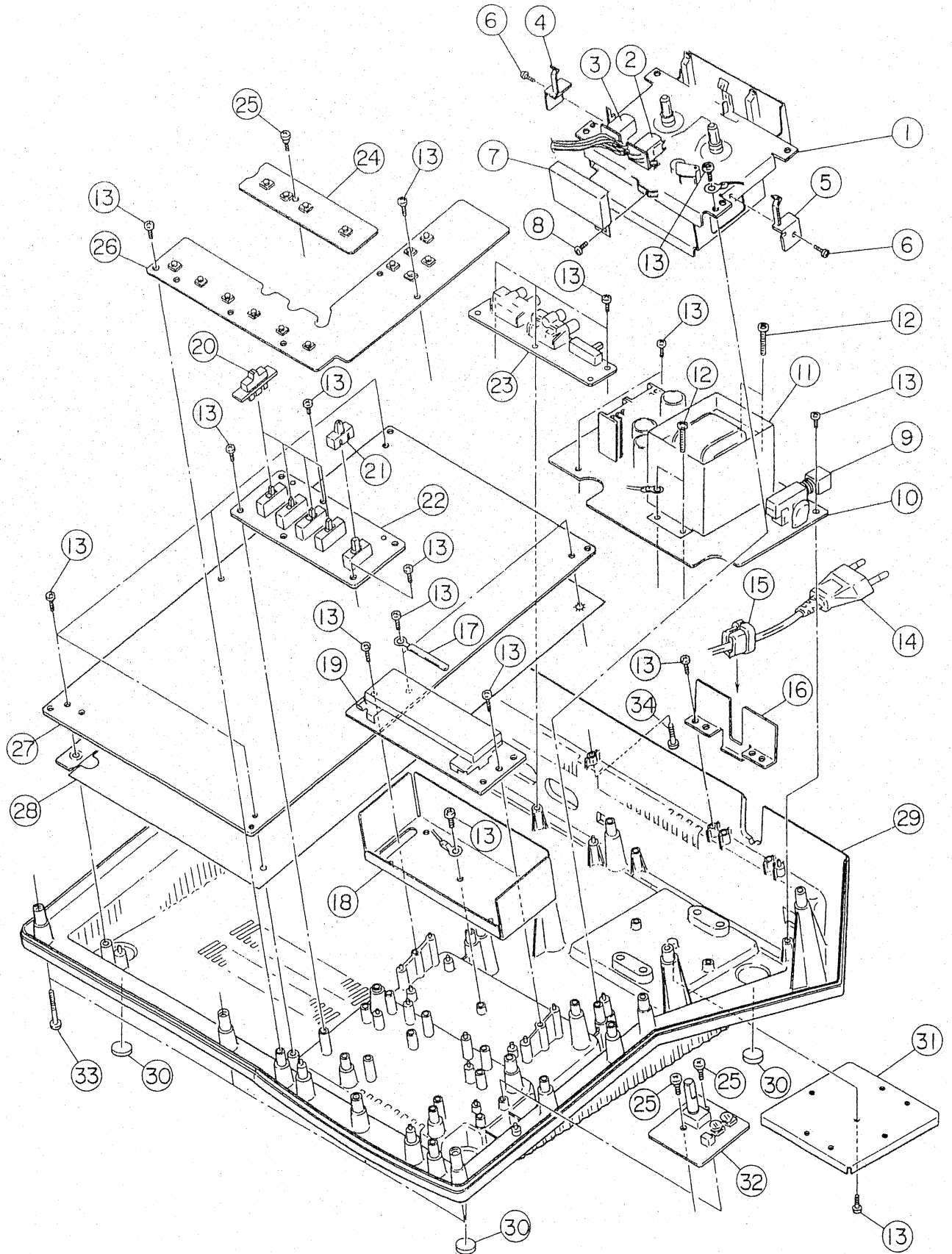
INCLUDED ACCESSORIES

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	*9101406200	OWNER'S MANUAL, ENGLISH [EXCEPT J]	
	*9101406300	OWNER'S MANUAL, FRENCH/GERMAN [E]	
	*9101406400	OWNER'S MANUAL, JAPANESE [J]	

[US/C] : U.S.A./CANADA [E] : EUROPE [UK] : U.K. [A] : AUSTRALIA [J] : JAPAN

Parts marked with * require longer delivery time.

EXPLODED VIEW-2



EXPLODED VIEW-2

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	*9278364900	CASSETTE MECH, TN-1800SD	
2- 2	5378602010	R/P HEAD	
2- 3	5378602100	ERASE HEAD 4-4	
2- 4	*9260262101	HOLDER CASSETTE (L)	
2- 5	*9260263201	HOLDRR CASSETTE (R)	
2- 6	*9783202006	SCREW, BTT-S M2X6	
2- 7	*9260265400	SHIELD COVER, HEAD	
2- 8	*9780202006	SCREW, M2X6	
2- 9	5801503800	BUTTON, EJECT	
2-10	*9145160002	TRANS PCB ASSY [US/C]	Refer to pages 24 & 27
	*9145160012	TRANS PCB ASSY [E]	Refer to pages 24 & 27
	*9145160022	TRANS PCB ASSY [A]	Refer to pages 24 & 27
	*9145160032	TRANS PCB ASSY [UK]	Refer to pages 24 & 27
	*9145160042	TRANS PCB ASSY [J]	Refer to pages 24 & 27
2-11	△ 9125113001	TRANS, PZ-J1528	
2-12	*9783004018	SCREW, PTT-S M4X18	
2-13	*9783603008	SCREW, BTT-P M3X8	
2-14	△*9109025711	AC CORD [E]	
	△*9109026010	AC CORD [A]	
	△*9109026112	AC CORD [J]	
	△*9109026910	AC CORD, SPT-2 [US/C]	
	△*9109027700	AC CORD, W/FUSE MS323NGWL [UK]	
2-15	△*9121000102	BUSHING, #2271	
2-16	*9260262200	BRACKET, BUSHING	
2-17	*9788823059	WIRE CLAMPER	
2-18	*9260260500	BRACKET, FL	
2-19	*9145159802	FL PCB ASSY	Refer to pages 16 & 25
2-20	9260261001	KNOB, SLIDE	
2-21	9260262600	KNOB, SLIDE (P-03)	
2-22	*9145159301	REC FUNCTION PCB ASSY	Refer to pages 16 & 26
2-23	*9145159900	TAPE OUT PCB ASSY	Refer to pages 16 & 26
2-24	*9145159601	SW(B) PCB ASSY	Refer to pages 21 & 26
2-25	*9783382610	SCREW, BTT-SSC M2. 6X3X7	
2-26	*9145159501	SW(A) PCB ASSY	Refer to pages 23 & 26
2-27	*9145161003	BOTTOM PCB ASSY	Refer to pages 17 & 25
2-28	*9260261902	SHIELD SHEET, R/P	
2-29	*9260260802	CABINET, BOTTOM	
2-30	*9260262300	FOOT	
2-31	*9260260400	BRACKET, TRANS	
2-32	*9145159401	PITCH CONTROL PCB ASSY	Refer to pages 23 & 26
2-33	*9783613020	SCREW, BTT-P M3X20	
2-34	*9783233015	SCREW, BTT-S M3X15	

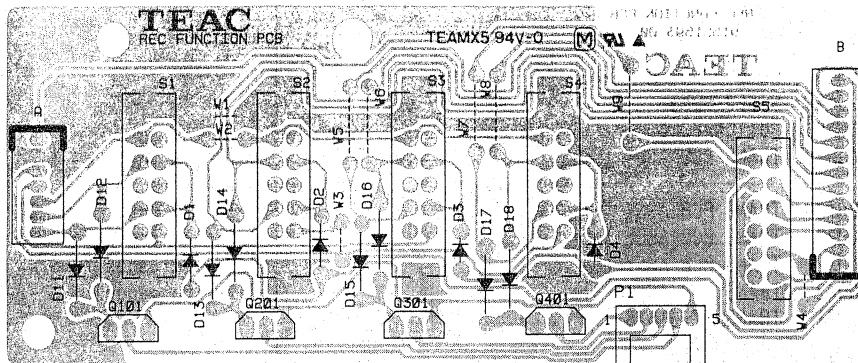
[US/C] : U.S.A./CANADA [E] : EUROPE [UK] : U.K. [A] : AUSTRALIA [J] : JAPAN

Parts marked with * require longer delivery time.

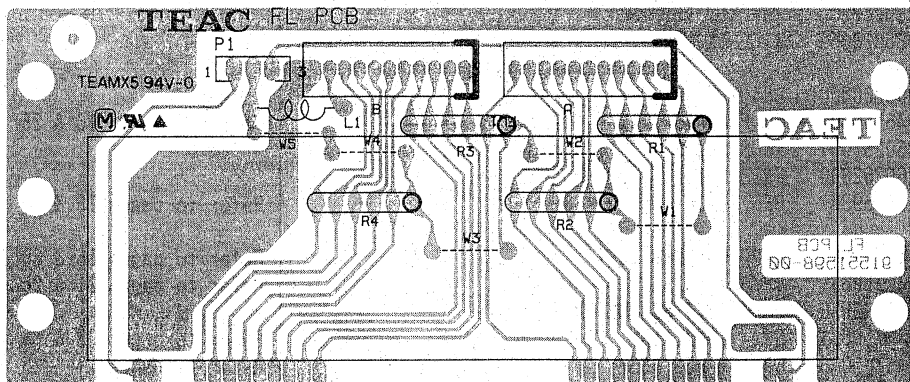
5. PC BOARDS AND PARTS LIST

基板図とパーツ・リスト

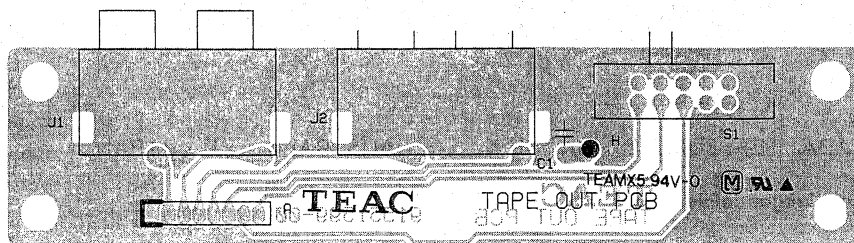
REC FUNCTION PCB



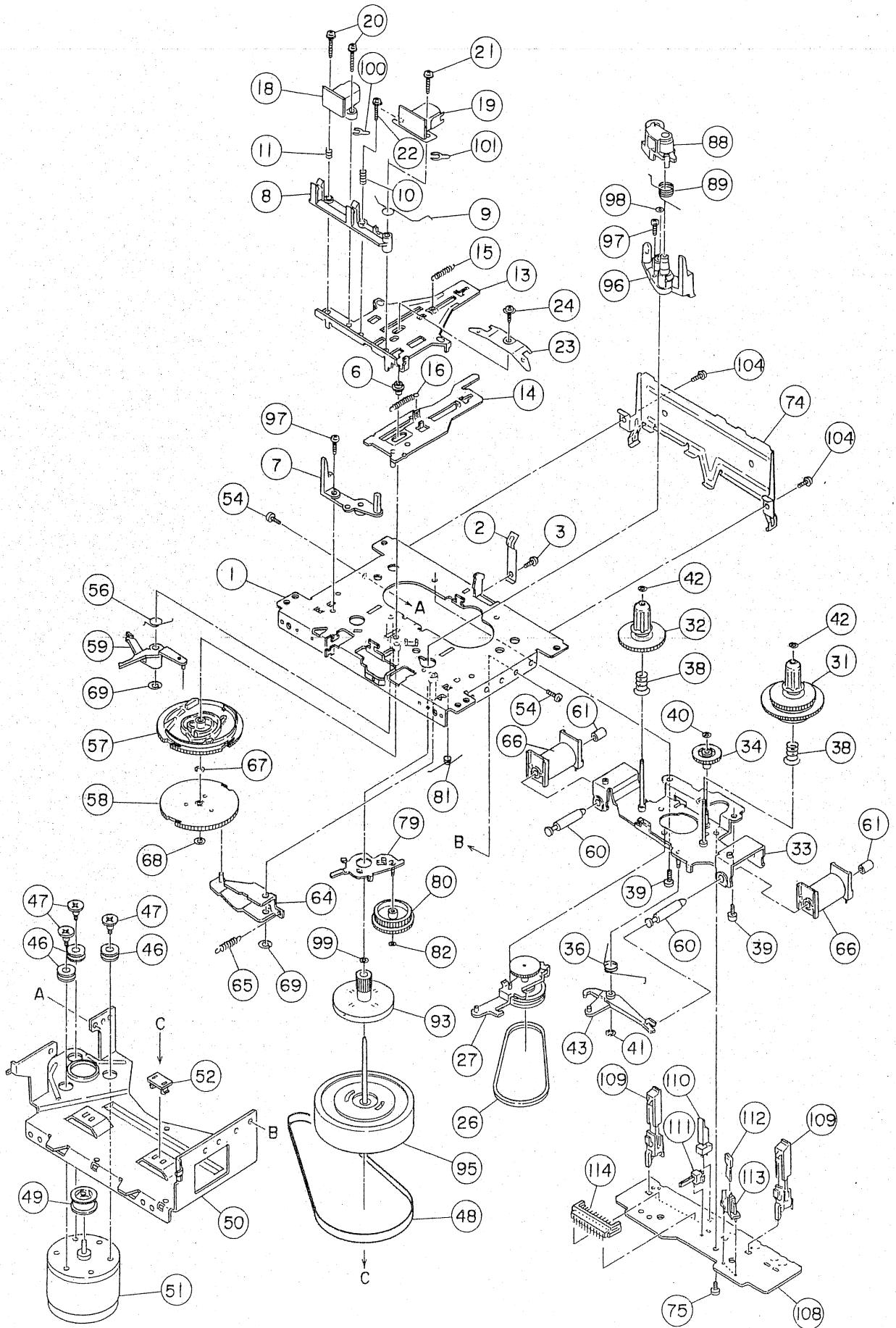
FL PCB



TAPE OUT PCB



EXPLODED VIEW - 3

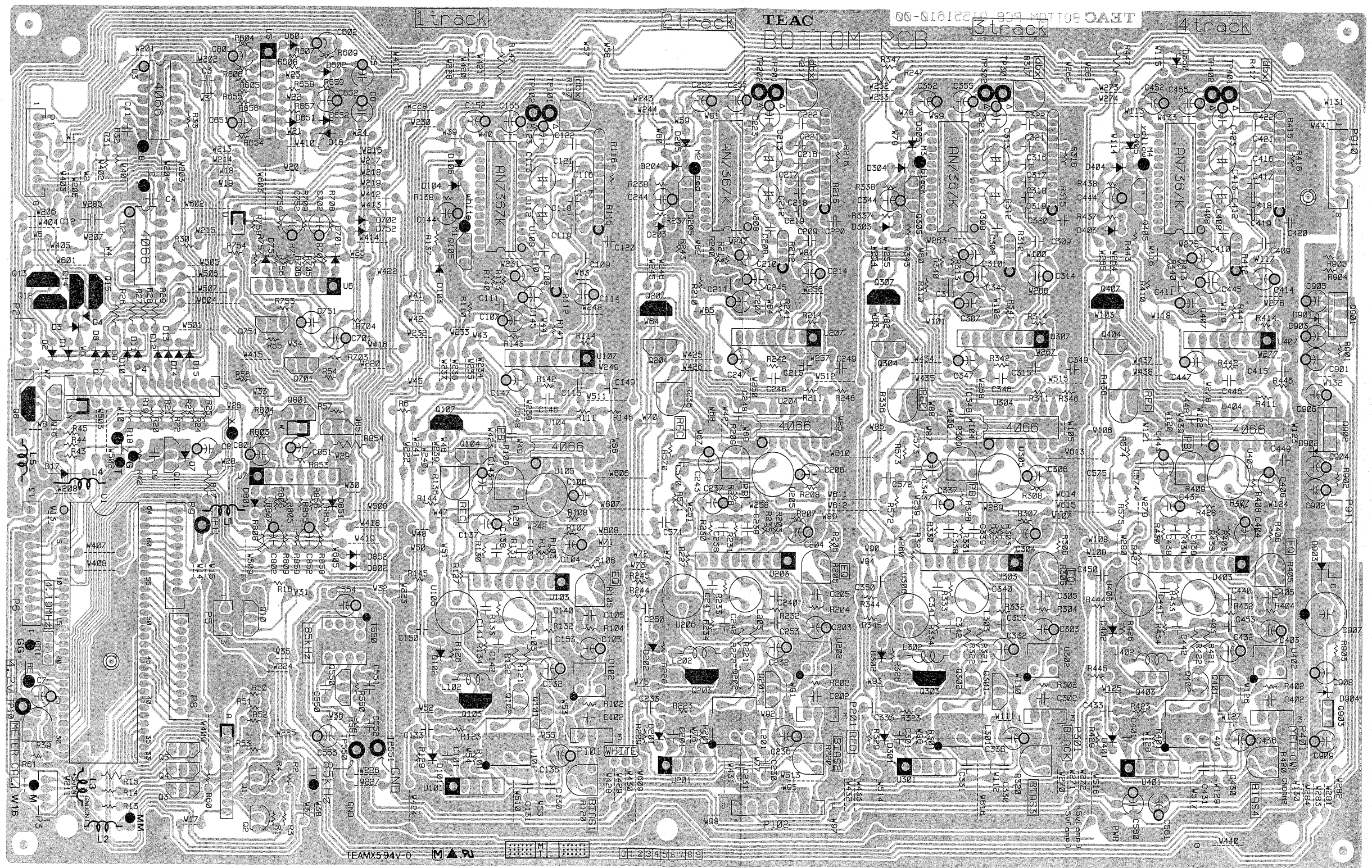


EXPLODED VIEW - 3

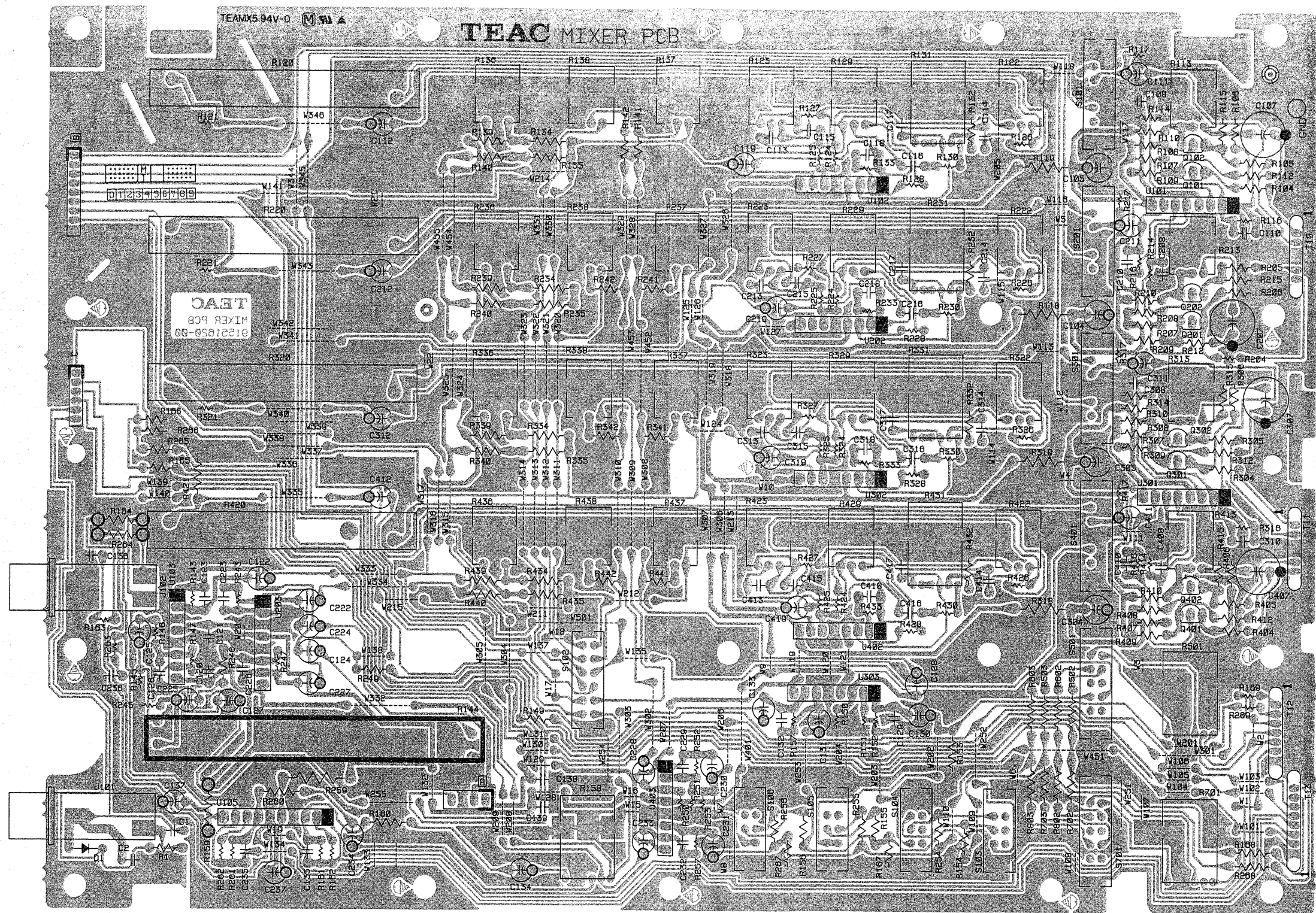
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
3 - 1	* 9278329000	CHASSIS ASSY,	3 - 61	* 9278312100	PLUNGER HOLDER
3 - 2	9278308900	PACK SPRING	3 - 62		
3 - 3	* 9278309200	SCREW,C-TAP.M2X3(SPECIAL)	3 - 63		
3 - 4			3 - 64	9278326100	P KICK LEVER ASSY,
3 - 5			3 - 65	9278312200	PK LEVER SPRING
3 - 6	* 9278322900	PANEL COLLAR (A)	3 - 66	9278326200	SOLENOID,
3 - 7	9278323000	TAPE GUIDE,	3 - 67	* 9278252600	E-RING, E-2
3 - 8	* 9278323100	HEAD BASE,	3 - 68	* 9278326400	WASHER,HL CUT1.55*3.5*0.5
3 - 9	9278309600	PINCH ROLLER SPRING	3 - 69	* 9278326500	WASHER,HL CUT 2.1*5*0.4
3 - 10	9278198400	AZIMUTH SPRING	3 - 70		
3 - 11	9278197900	E. H. SPRING	3 - 71		
3 - 12			3 - 72		
3 - 13	* 9278323200	HEAD PANEL (A)	3 - 73		
3 - 14	* 9278329100	HEAD PANEL (B) ASSY,	3 - 74	* 9278326800	SW PROTECTOR,
3 - 15	9278323300	RC SPRING,	3 - 75	* 9278202100	C TAPPING SCREW M2X4
3 - 16	9278323400	PANEL SPRING,	3 - 76		
3 - 17			3 - 77		
3 - 18	5378602100	ERASE HEAD 4-4	3 - 78		
3 - 19	5378602010	R/P HEAD	3 - 79	9278327100	T GEAR ARM (F) ASSY,
3 - 20	* 9278310400	SCREW, M2X11	3 - 80	9278327200	T GEAR,(A)
3 - 21	* 9278310500	SCREW, M2X9.5	3 - 81	9278327300	TG ARM (F) SPRING,
3 - 22	* 9278310300	SCREW, AZIMUTH M2X9.5	3 - 82	* 9278253100	WASHER,POLY.CUT1.2*3*0.25
3 - 23	9278323500	PANEL SPRING PLATE,	3 - 83		
3 - 24	* 9278323600	SCREW,CUP S-TAP M2*5	3 - 84		
3 - 25			3 - 85		
3 - 26	9278323700	RF BELT,	3 - 86		
3 - 27	9278323800	RF CLUCH ASSY,	3 - 87		
3 - 28			3 - 88	9278327500	PINCH ROLLER ARM (F) ASSY
3 - 29			3 - 89	9278329200	P ARM (F) SPRING,
3 - 30			3 - 90		
3 - 31	9278323900	T REEL ASSY,(F)	3 - 91		
3 - 32	9278324000	S REEL ASSY,	3 - 92		
3 - 33	9278324100	REEL BASE ASSY,	3 - 93	9278368500	FL GEAR (F)
3 - 34	9278324200	FF GEAR,	3 - 94		
3 - 35			3 - 95	9278368600	FLYWHEEL (F) ASSY
3 - 36	9278324300	FR TRIGGER ARM SPRING,	3 - 96	9278327700	FL METAL ASSY,(F)
3 - 37			3 - 97	* 9278202300	C TAPPING SCREW M2X6
3 - 38	9278324400	B.T SPRING,(R)	3 - 98	* 9278368700	NYLON WASHER 2.1X3.5X0.5
3 - 39	* 9278202100	C TAPPING SCREW M2X4	3 - 99	* 9278328000	HL WASHER,2.3*3.8*0.3
3 - 40	* 9278253100	WASHER,POLY.CUT1.2*3*0.25	3 - 100	* 9278367100	Y WASHER PB 0.1T
3 - 41	* 9278324700	WASHER,P CUT 2.1*5*0.5	3 - 101	* 9278367200	Y WASHER PB 0.2T
3 - 42	* 9278324800	WASHER,HL CUT 1.4*3.2*0.4	3 - 102		
3 - 43	9278324900	RF TRIGGER ARM,	3 - 103		
3 - 44			3 - 104	* 9278202100	C TAPPING SCREW M2X4
3 - 45			3 - 105		
3 - 46	9278325100	MOTOR RUBBER,	3 - 106		
3 - 47	* 9278294600	SCREW, MOTOR COLLAR	3 - 107		
3 - 48	9278367800	MAIN BELT	3 - 108	* 9278368800	PC BOARD
3 - 49	9278367900	MOTOR PULLEY (D)	3 - 109	9278328300	SW,LEAF MTS-10250MVJO
3 - 50	* 9278368000	FM BRACKET	3 - 110	9278328400	SW,LEAF MSW-1699CF
3 - 51	9278368100	MOTOR EG-530 KD-2B	3 - 111	9278328500	SW,LEAF MSW-17944MVDO
3 - 52	9278368200	FL PATCH PLATE	3 - 112	9278328600	HALL IC,LB9051A
3 - 53	9278368300	DAMPER SPRING	3 - 113	9278328700	IC PROTECTOR
3 - 54	* 9278201900	TAMS SCREW M2X4	3 - 114	9278368900	CONNECTOR S10B-PH-K-S
3 - 55					
3 - 56	9278325700	M TRIGGER ARM SPRING,			
3 - 57	9278325800	M GEAR,			
3 - 58	9278325900	RF CAM GEAR,			
3 - 59	9278326000	M TRIGGER ARM,			
3 - 60	9278312000	PLUNGER			

Parts marked with * require longer delivery time.

BOTTOM PCB



MIXER PCB



BOTTOM PCB ASSY

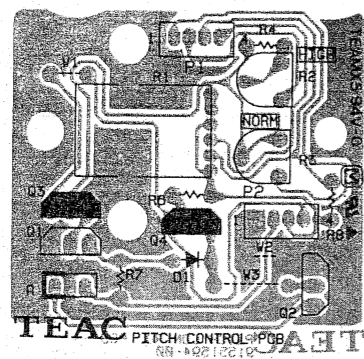
REF. NO.	PARTS NO.	DESCRIPTION
	*9145161003	BOTTOM PCB ASSY
	*9155161000	BOTTOM PCB
	*9144282000	SOCKET, IC CLC3064-0101
CR1	9173008400	OSC, CERAMIC FCR4. 19MC5
D1-4	9165022150	DIODE, ISS133T
D7-15	9165022150	DIODE, ISS133T
D16	9166045551	ZENER DIODE, RD3. 3ESAB2
D17	9165022150	DIODE, ISS133T
D101-401	9165022150	DIODE, ISS133T
D102-402	9165022150	DIODE, ISS133T
D103, 403	9165022150	DIODE, ISS133T
D104-404	9165022150	DIODE, ISS133T
D105-405	9165022150	DIODE, ISS133T
D560	9165022150	DIODE, ISS133T
D601-801	9165022150	DIODE, ISS133T
D602-802	9165022150	DIODE, ISS133T
D651-851	9165022150	DIODE, ISS133T
D652-852	9165022150	DIODE, ISS133T
D901	9166046151	Z, DIODE RD5. 6ES-TP B2 T2
D902	9166046151	Z, DIODE RD5. 6ES-TP B2 T2
D903	9165020550	DIODE, 1N4003
D904	9166046151	Z, DIODE RD5. 6ES-TP B2 T2
L101-401	9173010800	SLAVE COIL
L102-402	9173010600	COIL, 10UHJ
L103-403	9173008700	COIL, 36MH
L2, 4	9173006350	COIL, 220UH
L5	9173006450	COIL, 1MH
P1	9143237000	CONNECTOR PLUG, 9P
P2	9143234000	CONNECTOR PLUG, 6P (WHT)
P3	9143232000	CONNECTOR, B4B-PH-K-S
P4	9143237020	PLUG, 9P (B9B-PH-K) RED
P5	9143231000	CONNECTOR PLUG, 3P (WHT)
P6	9143241000	PLUG, 13P (B13B-PH-H)
P7	9143235000	CONNECTOR PLUG, 7P (B7B-PH)
P8	9143239000	CONNECTOR PLUG, 11P
P9	9143239020	PLUG, B-11B-PH (RED)
P101	9143171000	CONNECTOR PLUG, B3B-EH-A
P102	9143176000	CONNECTOR PLUG, 8P
P201	9143171020	CONNECTOR PLUG, B3B-EH-A B
P301	9143171010	CONNECTOR PLUG, B3B-EH-A R
P401	9143171040	CONNECTOR PLUG, 3P
P910	9143236000	CONNECTOR PLUG, 8P (WHT)
P911	9143174000	CONNECTOR PLUG, 6P
Q1, 2	9163312700	TR, 2SC2060Q
Q3-5	9163310420	TR, DTC124ES
Q8	9163011220	TR, DTA124ES (TP)
Q10, 11	9163310420	TR, DTC124ES
Q12-15	9163202620	TR, DTB143ES TP
Q16	9163310420	TR, DTC124ES
Q101-401	9163014220	TR, DTC363ES TP

BOTTOM PCB ASSY

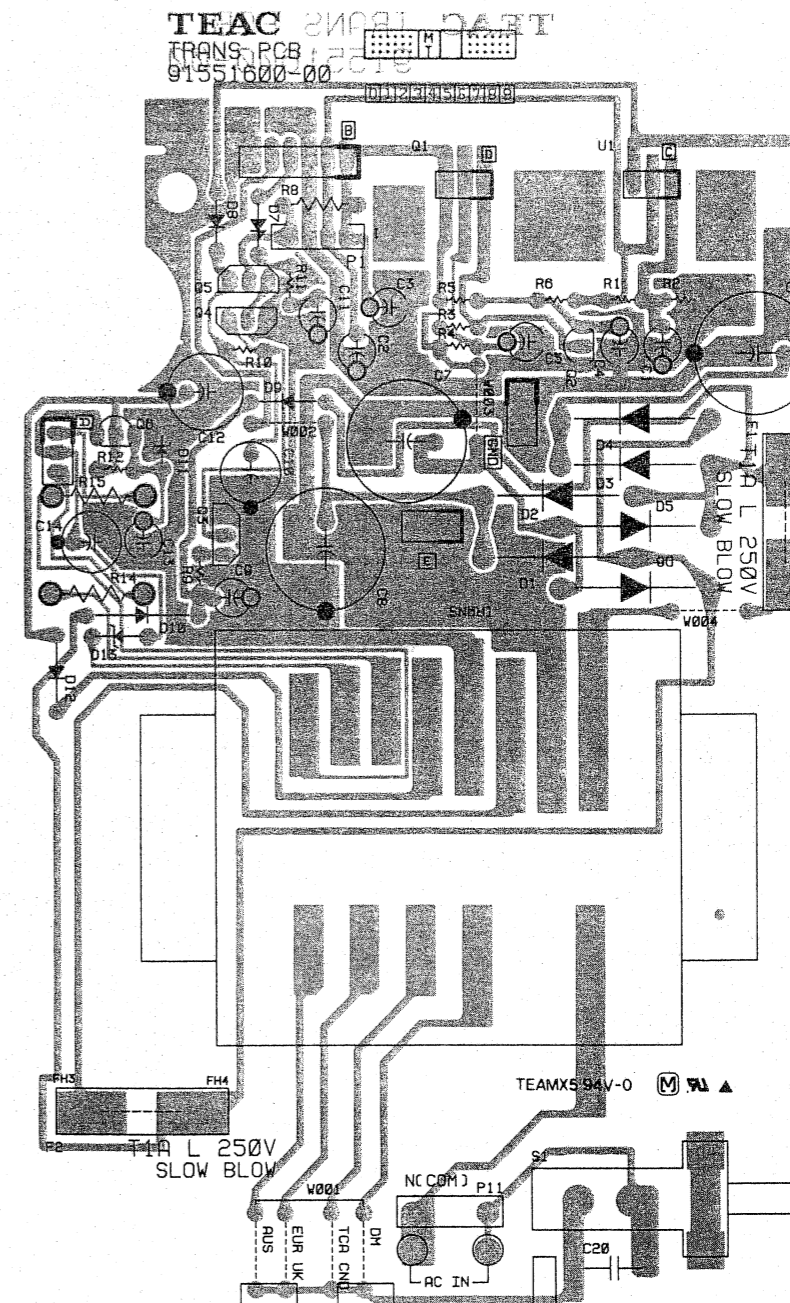
REF. NO.	PARTS NO.	DESCRIPTION
Q102-402	9163450300	TR, 2SC2002L
Q103-403	9163011420	TR, DTA114ES TP
Q104-404	9163450020	TR, DTC314TS
Q105-405	9163450020	TR, DTC314TS
Q107-407	9163011220	TR, DTA124ES (TP)
Q550	9163450520	TR, 2SC2603F
Q701, 801	9163450020	TR, DTC314TS
Q751, 8511	9163450020	TR, DTC314TS
Q901	9163610320	TR, 2SD1913R TP
Q902	9163202900	TR, 2SB1274R
Q903	9163610600	TR, 2SD1406Y
R39	9112059810	VR, SEMI-FIXED 10K (B)
R105-405	9112061610	SEMI-FIXED VR, 6. 8RTB067A
R109-409	9112059810	VR, SEMI-FIXED 10K (B)
R112-412	9111255000	R, ARRAY EXBZ5L045G DBX
R115-415	9111256000	R, ARRAY EXBZ13L046G DBX
R117-417	9112056010	VR, SEMI-FIXED 4. 7K (B)
R120-420	9112059410	VR, SEMI-FIXED 100K (B)
R136-436	9112059810	VR, SEMI-FIXED 10K (B)
T550	9173010700	MASTER OSC COIL
U1	9167033501	UCOM, 78023 CW-016
U2, 3	9167009800	IC, TC4066BP
U5-7	9167017300	IC, NJM4565LD
U101-401	9167017200	IC, BA7755
U102-402	9173009300	TRAP COIL, 85KHZ
U103-403	9167015910	IC, NJM2068SD
U104-404	9167009800	IC, TC4066BP
U105-405	9173009400	L. P. F COIL, 85KHZ
U106-406	9173009400	L. P. F COIL, 85KHZ
U107-407	9167017300	IC, NJM4565LD
U108-408	9167026100	IC, AN7367K
FL PCB ASSY		
REF. NO.	PARTS NO.	DESCRIPTION
	*9145159802	FL PCB ASSY
	*9155159800	FL PCB
	*9174020500	FL DISPLAY (BJ417GK)
	*9260164600	FL HOLDER
	*9143171000	CONNECTOR PLUG, B3B-EH-A
L1	9173006450	COIL, 1MH
R1	9111242000	RESISTOR ARRAY, 22KX5
R2	9111242000	RESISTOR ARRAY, 22KX5
R3	9111242000	RESISTOR ARRAY, 22KX5
R4	9111242000	RESISTOR ARRAY, 22KX5

Parts marked with * require longer delivery time.

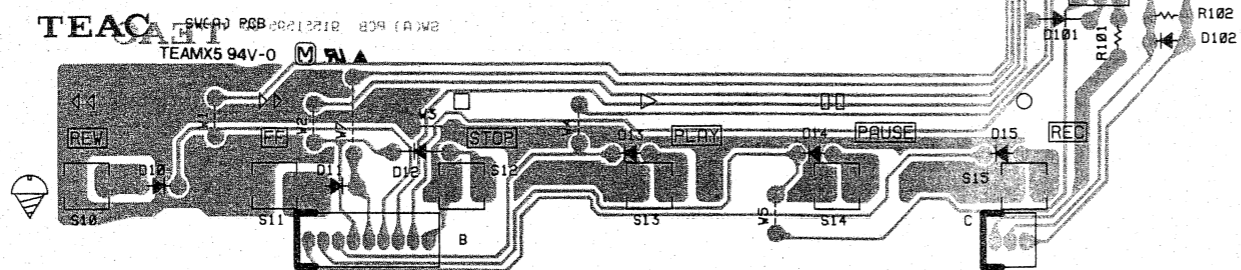
PITCH CONTROL PCB



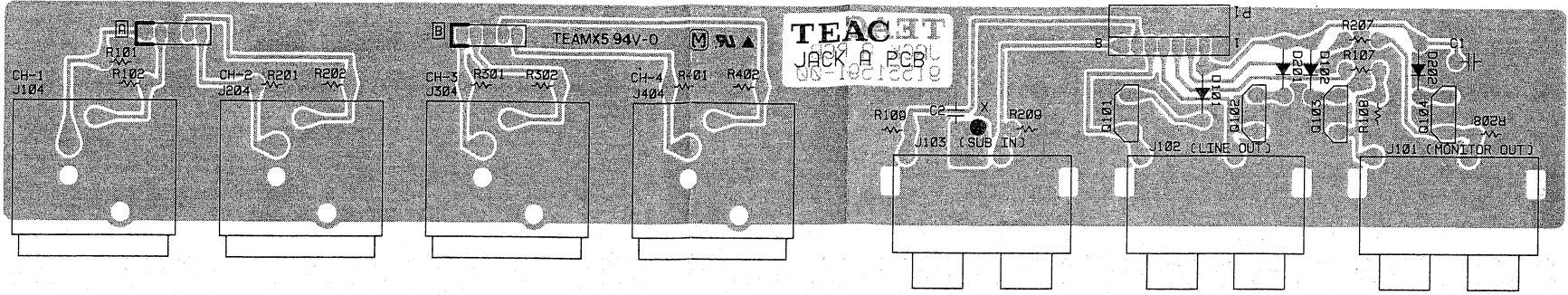
TRANS PCB



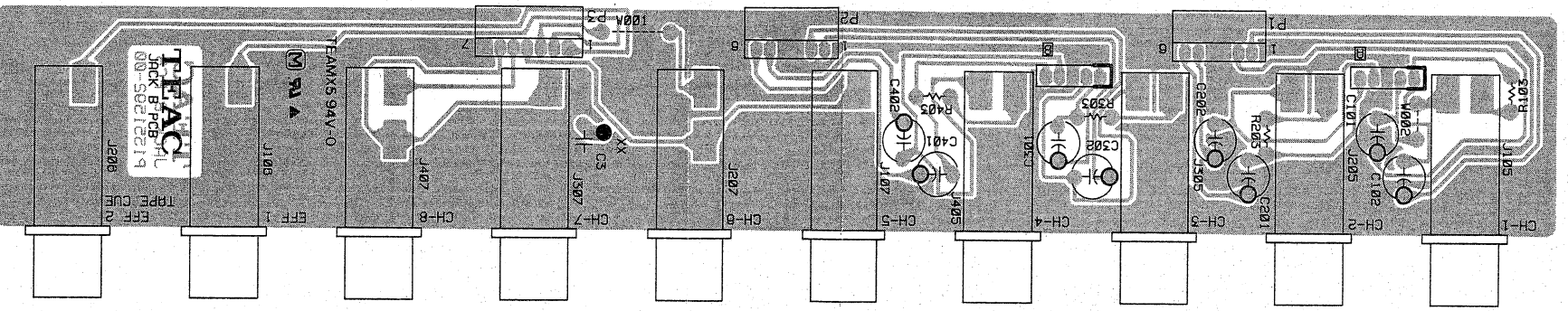
SW (A) PCB



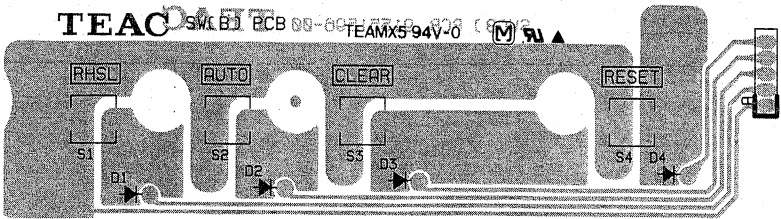
JACK A PCB



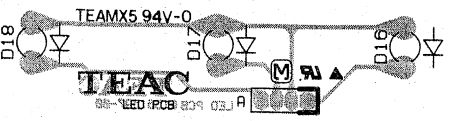
JACK B PCB



SW (B) PCB



LED PCB



MIXER PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145162002	MIXER PCB ASSY
	*9155162000	MIXER PCB
	*9260261501	SHIELD COVER, MIXER
D1	9165022150	DIODE, ISS133T
J101	9143916000	JACK, 064-2 BLK
J102	9143919000	JACK, 0642RD RED
Q101-401	9163450220	TR, 2SC1844F
Q102-402	9163450220	TR, 2SC1844F
R113-413	9172030200	VR, EVUFOAF3014D 10KED
R120-420	9172023801	VR, RS45111P6019-10KA TK
R122-422	9172030500	VR, EVUF3AF30B15100KB (CC)
R123-423	9172030500	VR, EVUF3AF30B15100KB (CC)
R129-429	9172030400	VR, EVUF1AF30B14 10KB (CC)
R131-431	9172030100	VR, EVJY80F30C25 200KCX2
R136-436	9172030400	VR, EVUF1AF30B14 10KB (CC)
R137-437	9172030300	VR, EVU F0A F30 A14 10KA
R138-438	9172030300	VR, EVU F0A F30 A14 10KA
R144	9172023701	VR, RS60112P6016-10KAX2
R158	9172030700	VR, EVJY00F30A14 10KAX2
R501, 701	9172030700	VR, EVJY00F30A14 10KAX2
S101-401	9135037000	SLIDE SW, SSSH013NB2
S102	9135037100	SLIDE SW, SSS042NB2
S103-106	9135037400	SLIDE SW, SSSU022NB3
S501, 701	9135035200	SLIDE SW, SSSU023NB2-TK
U101, 301	9167017300	IC, NJM4565LD
U102-402	9167017300	IC, NJM4565LD
U103, 203	9167017300	IC, NJM4565LD
U105	9167022300	IC, LA6515
U303, 403	9167017300	IC, NJM4565LD

PITCH CONTROL PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159401	PITCH CONTROL PCB ASSY
	*9155159400	PITCH CONTROL PCB
D1	9165022150	DIODE, ISS133T
P1	9143232000	CONNECTOR, B4B-PH-K-S
P2	9143232020	CONNECTOR PLUG, 4P (RED)
Q1, 2	9163310420	TR, DTC124ES
Q3, 4	9163011220	TR, DTA124ES (TP)
R1	9172030800	VR, EVJYABF30BC3 1.5K(B)X2
R2	9112059900	SEMI-FIDED VR, 2.2K(B)
R3	9112062000	SEMI-FIDED VR, 470 (B)

TAPE OUT PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159900	TAPE OUT PCB ASSY
	*9155159900	TAPE OUT PCB
J1	9143387000	JACK, 2P YKC21-3063 BLK
J2	9143387000	JACK, 2P YKC21-3063 BLK
S1	9135036900	SLIDE SW, SSSU123NB

REC FUNCTION PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159301	REC FUNCTION PCB ASSY
	*9155159300	REC FUNCTION PCB
D1-4	9165022150	DIODE, ISS133T
D11-18	9165022150	DIODE, ISS133T
PL	9143273000	CONNECTOR, 5P (S05B-PK-K)
Q101-104	9163011220	TR, DTA124ES (TP)
S1-4	9135036200	SLIDE SW, SSSU023NA2 TK
S5	9135036300	SLIDE SW, SSSU042NA2-TK

SW (A) PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159501	SW (A) PCB ASSY
	*9155159500	SW (A) PCB
D5-15	9165022150	DIODE, ISS133T
D101, 102	9165022150	DIODE, ISS133T
Q101	9163310420	TR, DTC124ES
Q102	9163011220	TR, DTA124ES (TP)
S5-15	9136001820	TACT SW, SKHVBE3520-TK

SW (B) PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159601	SW (B) PCB ASSY
	*9155159600	SW (B) PCB
D1-4	9165022150	DIODE, ISS133T
S1-4	9136001820	TACT SW, SKHVBE3520-TK

Parts marked with * require longer delivery time.

JACK A PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159101	JACK A PCB ASSY
	*9155159100	JACK A PCB
D101, 201	9165022150	DIODE, ISS133T
D102, 202	9165022150	DIODE, ISS133T
J101, 102	9143387000	JACK, 2P YKC21-3063 BLK
J103	9144292000	2P PIN JACK YKC-21-3079
J104-404	9143981000	JACK, NC3FPR-0 (XLR TYPE)
P1	9144299000	SOCKET 52008-0810
J101-4	9163450020	D. TR, DTC314TS

JACK B PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159200	JACK B PCB ASSY
	*9155159200	JACK B PCB
J105-405	9143491000	JACK, CPJ-064 6. 3
J106, 206	9143916000	JACK, 064-2 BLK
J107-407	9143917000	JACK, CPJ-064-3
P1	9144297000	SOCKET 52008-0610
P2	9144297000	SOCKET 52008-0610
P3	9144298000	SOCKET 52008-0710

LED PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145159701	LED PCB ASSY
	*9155159700	LED PCB
D16	9174020821	L-34GDSL-TNB5/6
D17	9174020721	L-34YDSL-TNB5/6
D18	9174020621	L-34HDSL-TNB5/6

TRANS PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*9145160002	TRANS PCB ASSY [US/C]
	*9145160012	TRANS PCB ASSY [E]
	*9145160022	TRANS PCB ASSY [A]
	*9145160032	TRANS PCB ASSY [UK]
	*9145160042	TRANS PCB ASSY [J]
	*9155160000	TRANS PCB
	*9150018000	FUSE HOLDER, 2-N1152
C1	△ 9117138021	C, ELEC 10UF/16V
C20	△ 9120000500	SPARK KILLER, 0. 0047U/250V
D1	9165024250	DIODE, FR154 (1. 5A/400V)
D2	9165024250	DIODE, FR154 (1. 5A/400V)
D3	9165024250	DIODE, FR154 (1. 5A/400V)
D4	9165024250	DIODE, FR154 (1. 5A/400V)
D5	9165024250	DIODE, FR154 (1. 5A/400V)
D6	9165024250	DIODE, FR154 (1. 5A/400V)
D7	9165022150	DIODE, ISS133T
D8	9165020550	DIODE, 1N4003
D9, 10	9165022150	DIODE, ISS133T
D11	9166052350	MTZJ27C
D12	9165020550	DIODE, 1N4003
D13	9166046051	ZENER DIODE, RD5. 1ESAB2
F1, 2	△ 9150046000	T-LAG FUSE, 1A 250V
P1	9143172000	CONNECTOR PLUG, B4B-EH-A
Q2	9163009920	TR, 2SA1015GR
Q3	9163310420	TR, DTC124ES
Q4	9163310420	TR, DTC124ES
Q5	9163011220	TR, DTA124ES(TP)
Q6	9163009920	TR, 2SA1015GR
R14	△ 9114217005	R, NONFLAMMABLE R-50 4. 7
R15	△ 9114217005	R, NONFLAMMABLE R-50 4. 7
S1	△ 9135035400	SW, POWER PS-2BP1-T3

[US/C] : U.S.A./CANADA [E] : EUROPE [UK] : U.K.
[A] : AUSTRALIA [J] : JAPAN

Parts marked with * require longer delivery time.

424 MK II

TASCAM TEAC Professional Division

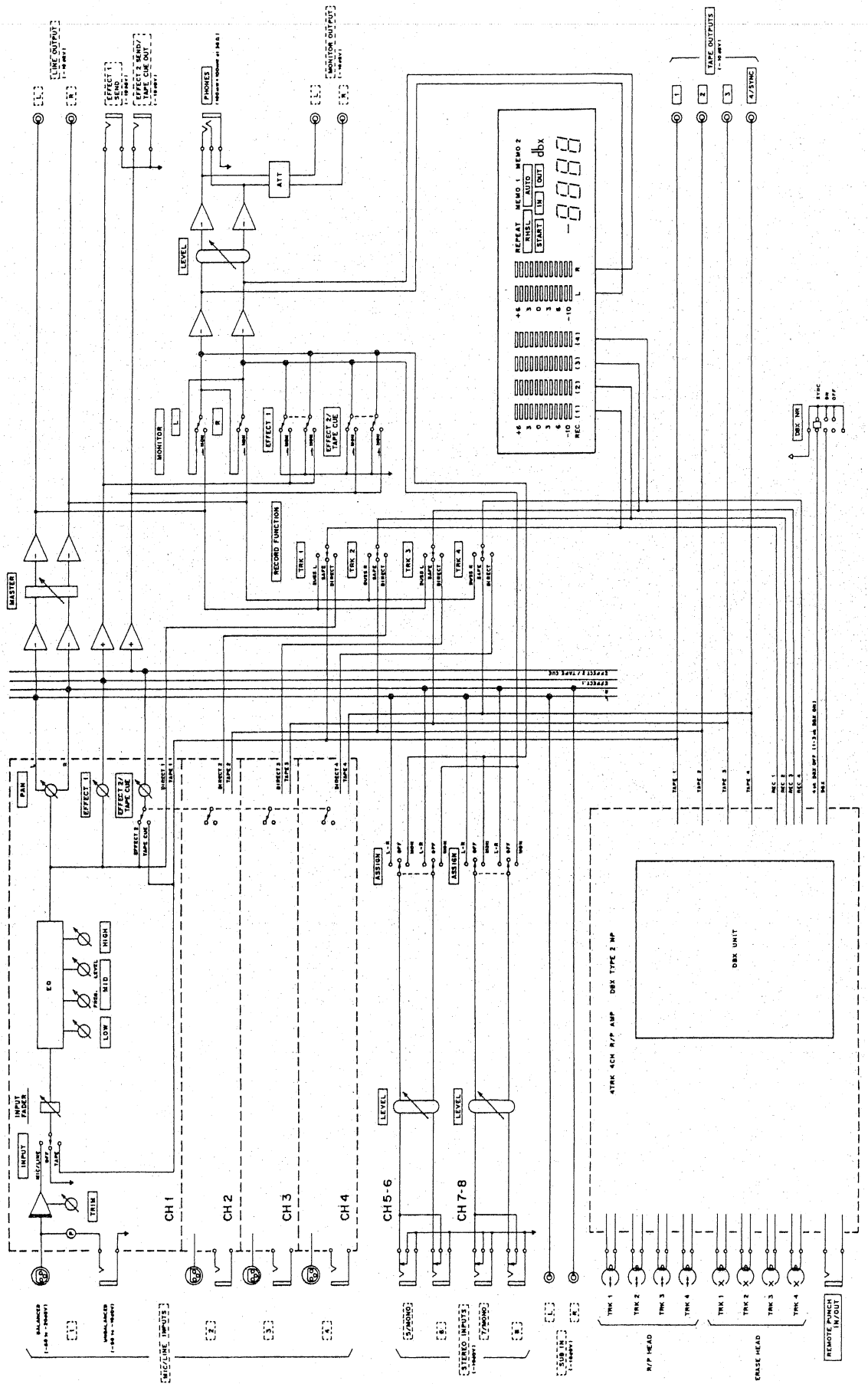
ティアック株式会社

	7カ所	☎ (0422) 52-5072	〒180 東京都武蔵野市中町 3-7-3	
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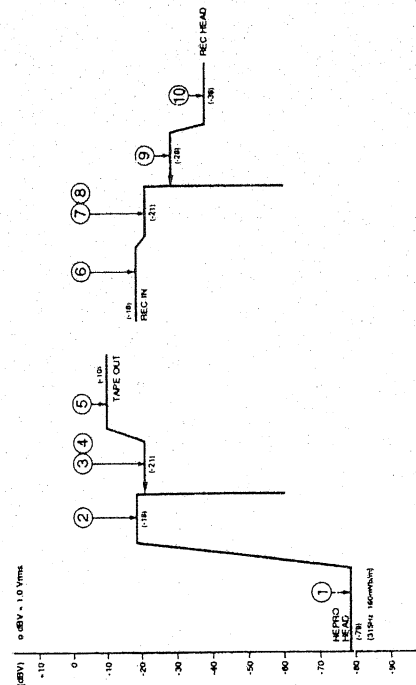
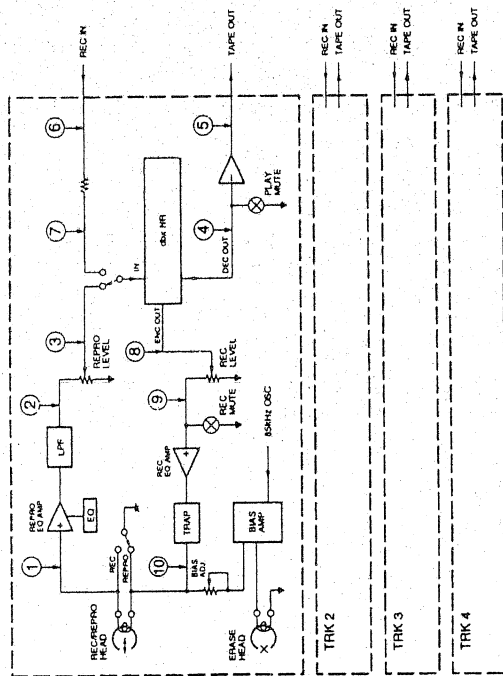
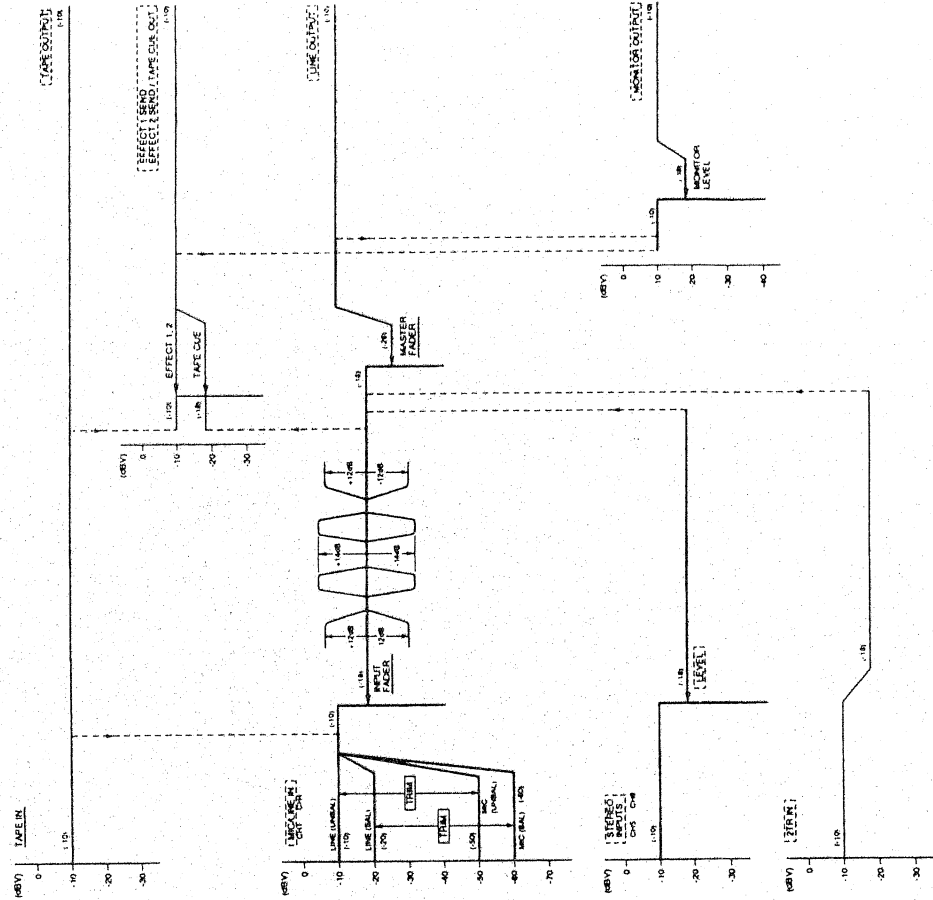
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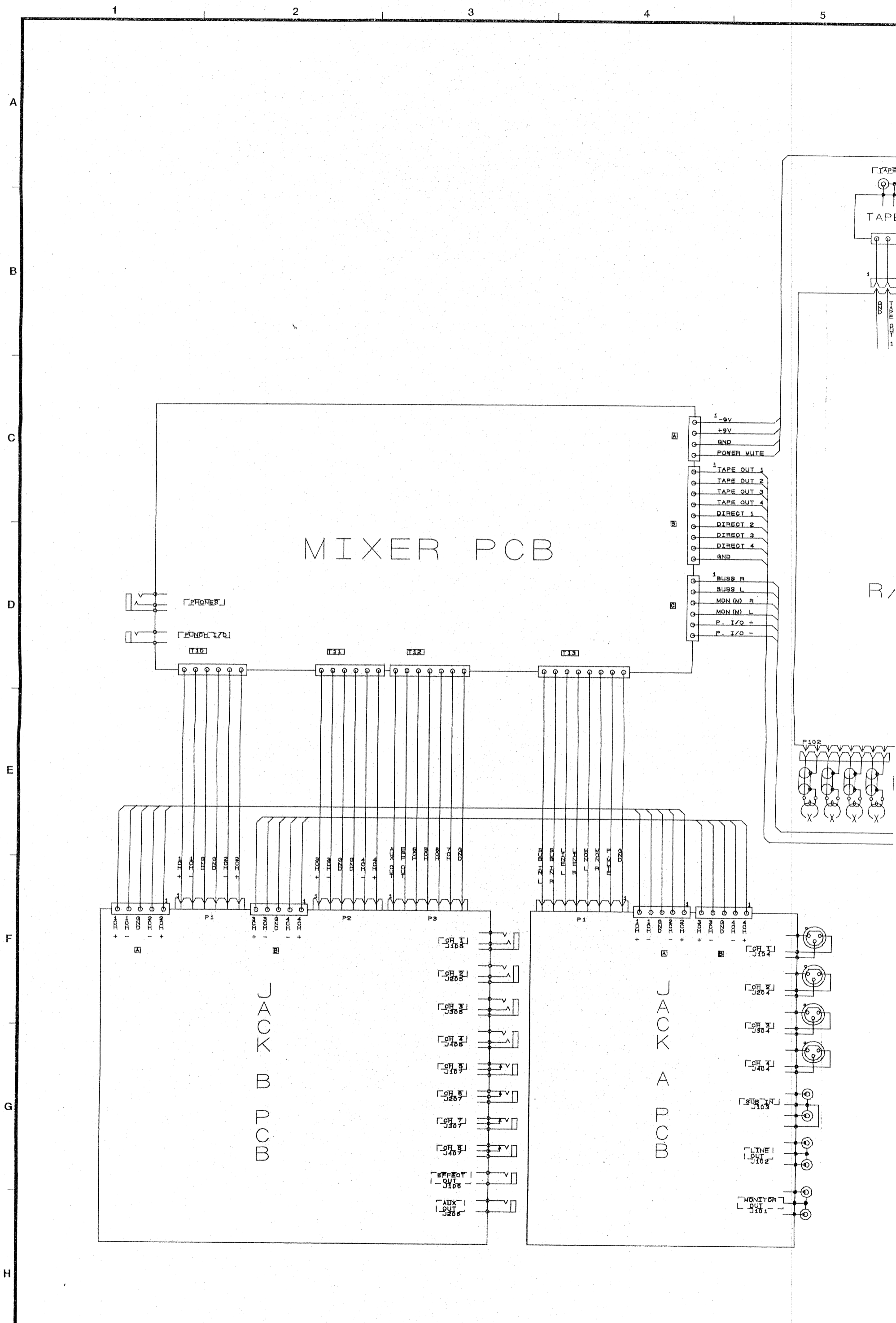
ブロック・ダイアグラム



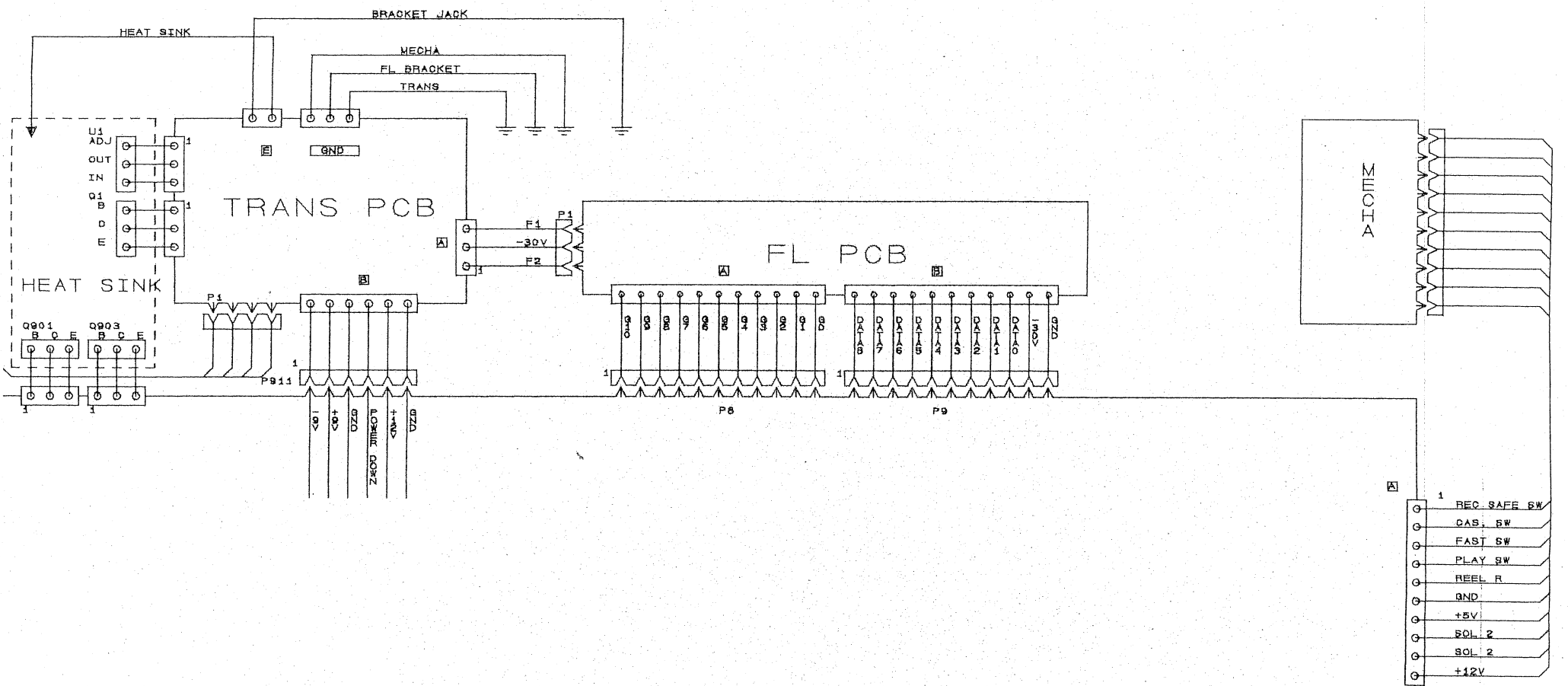
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レベル・ダイアグラム



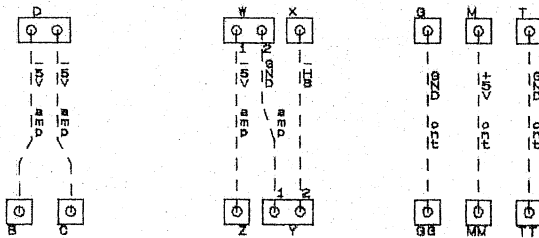


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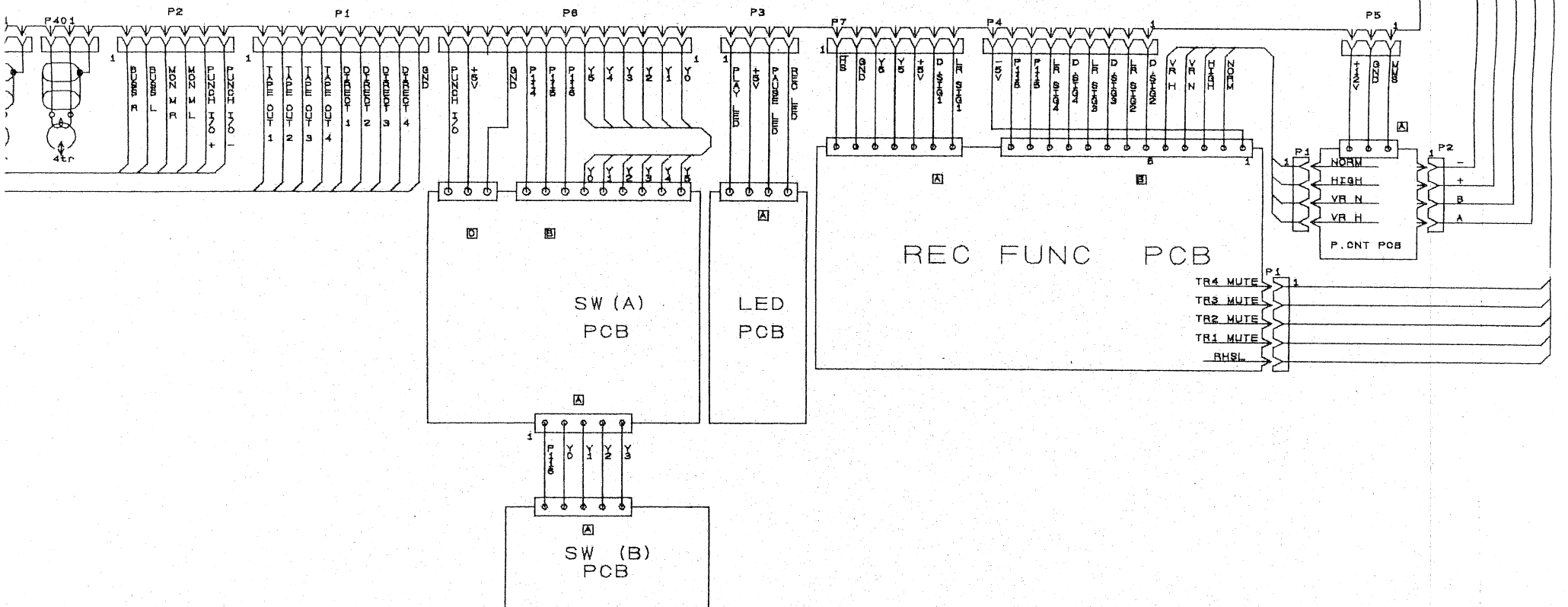


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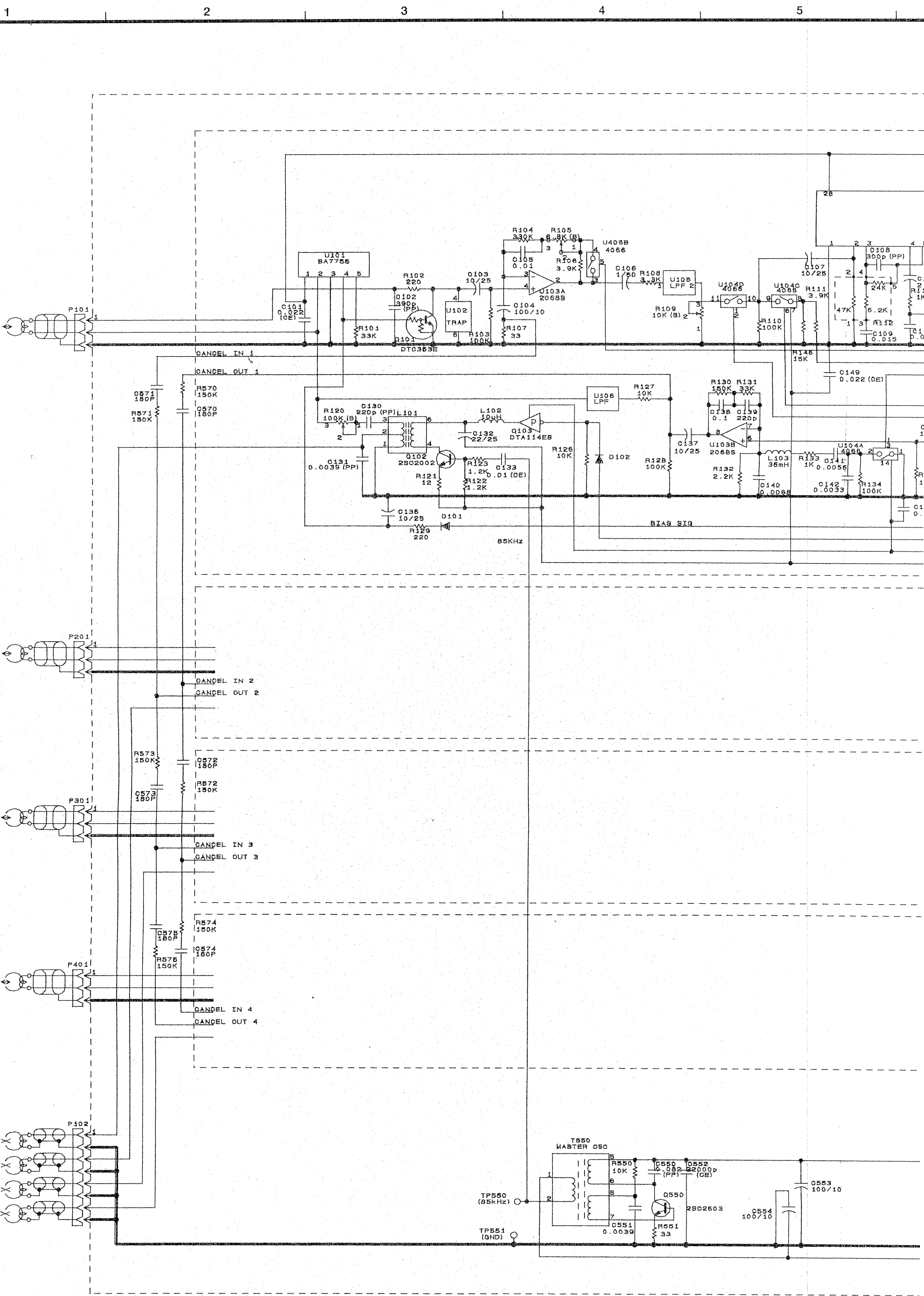
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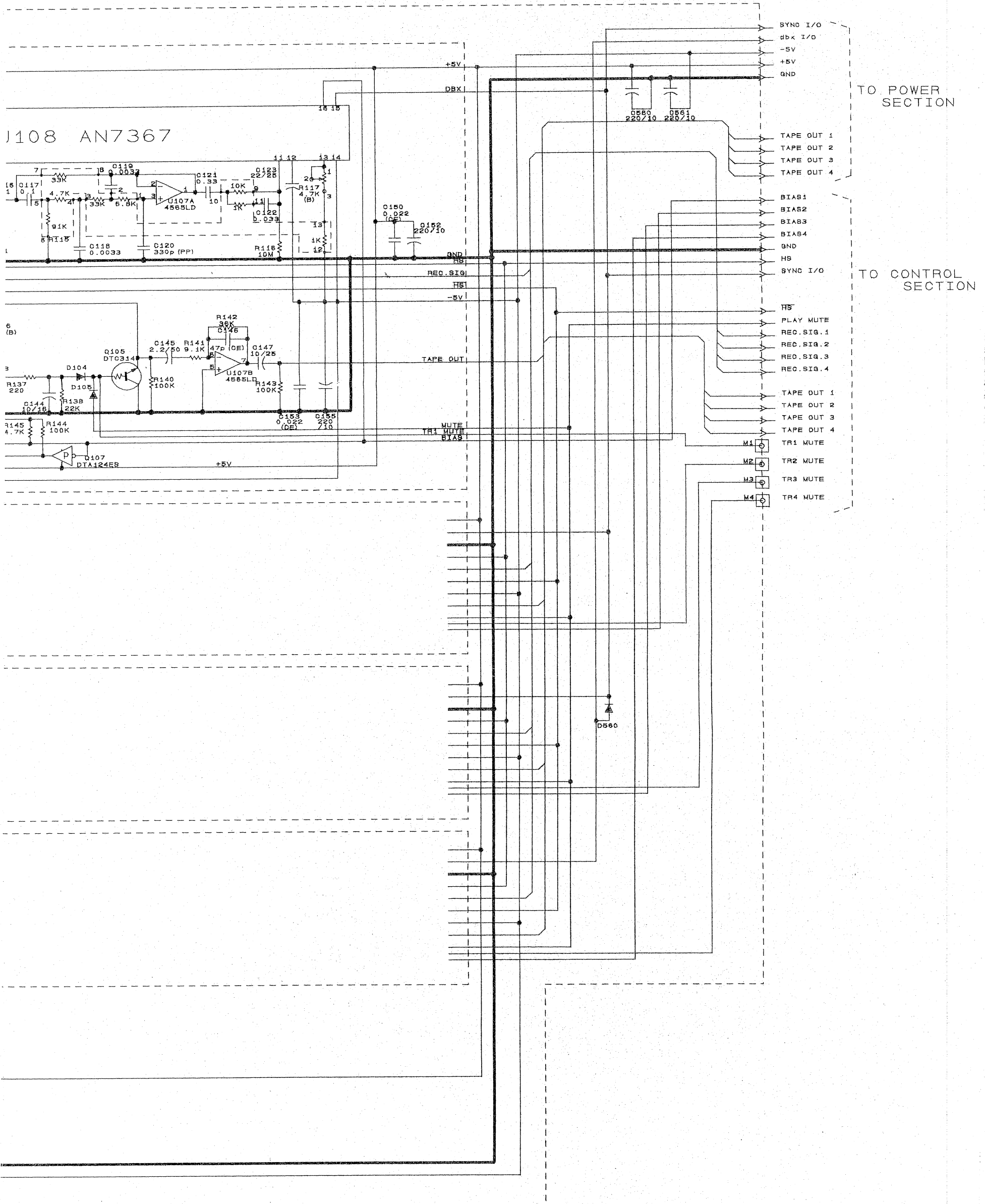
CONTROL SECTION



A

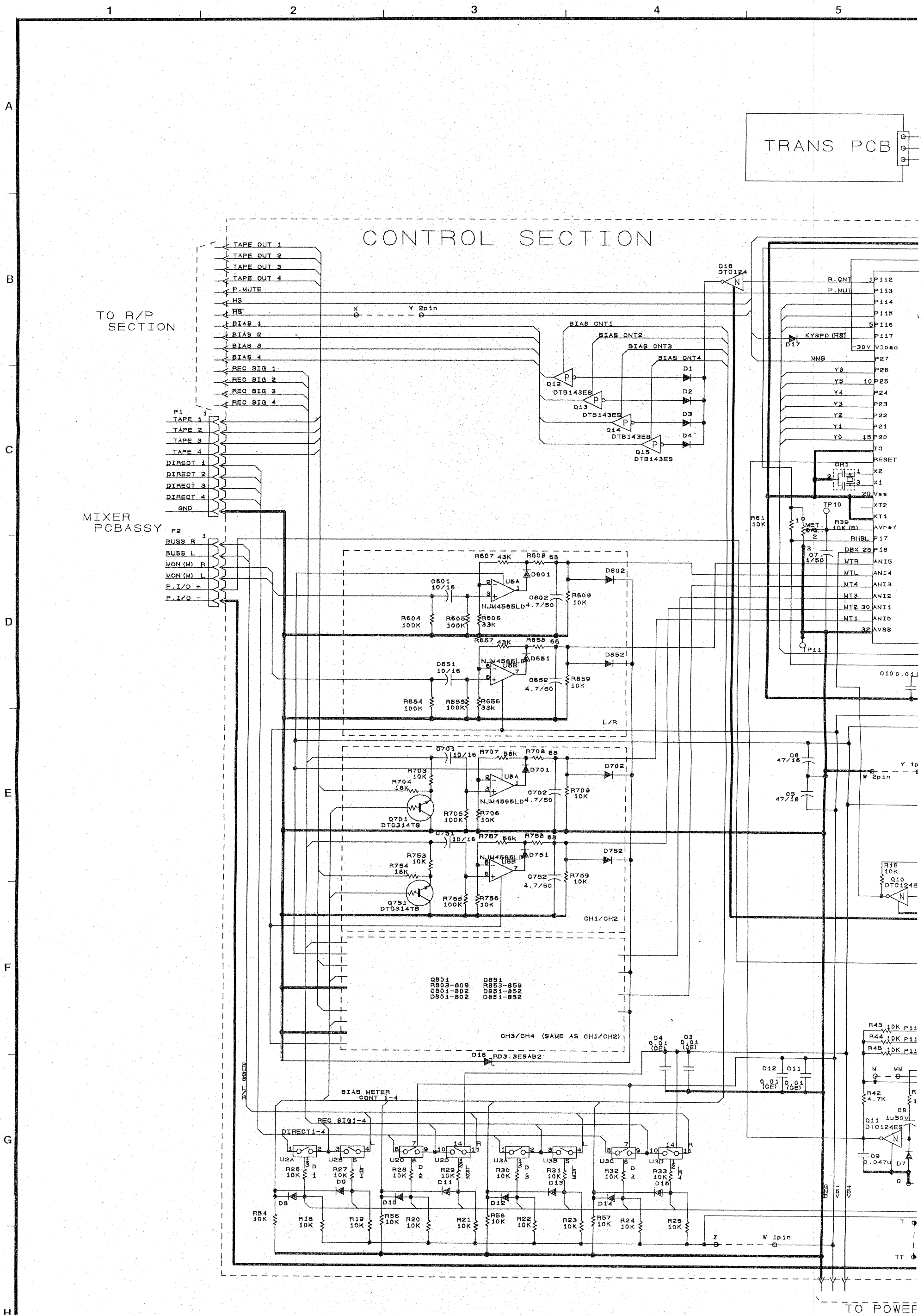


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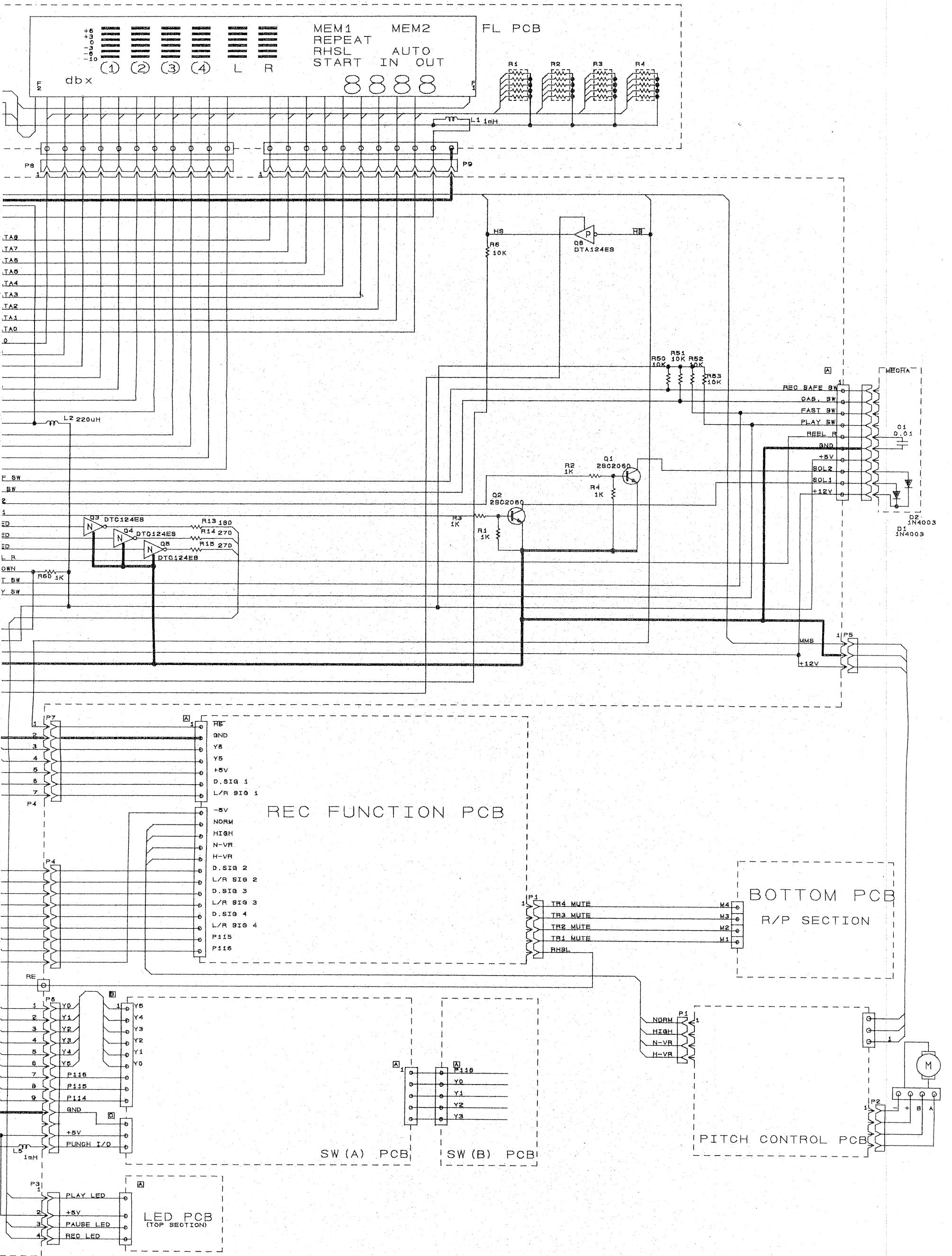


R/P SECTION SCHEMATIC DIAGRAM

B

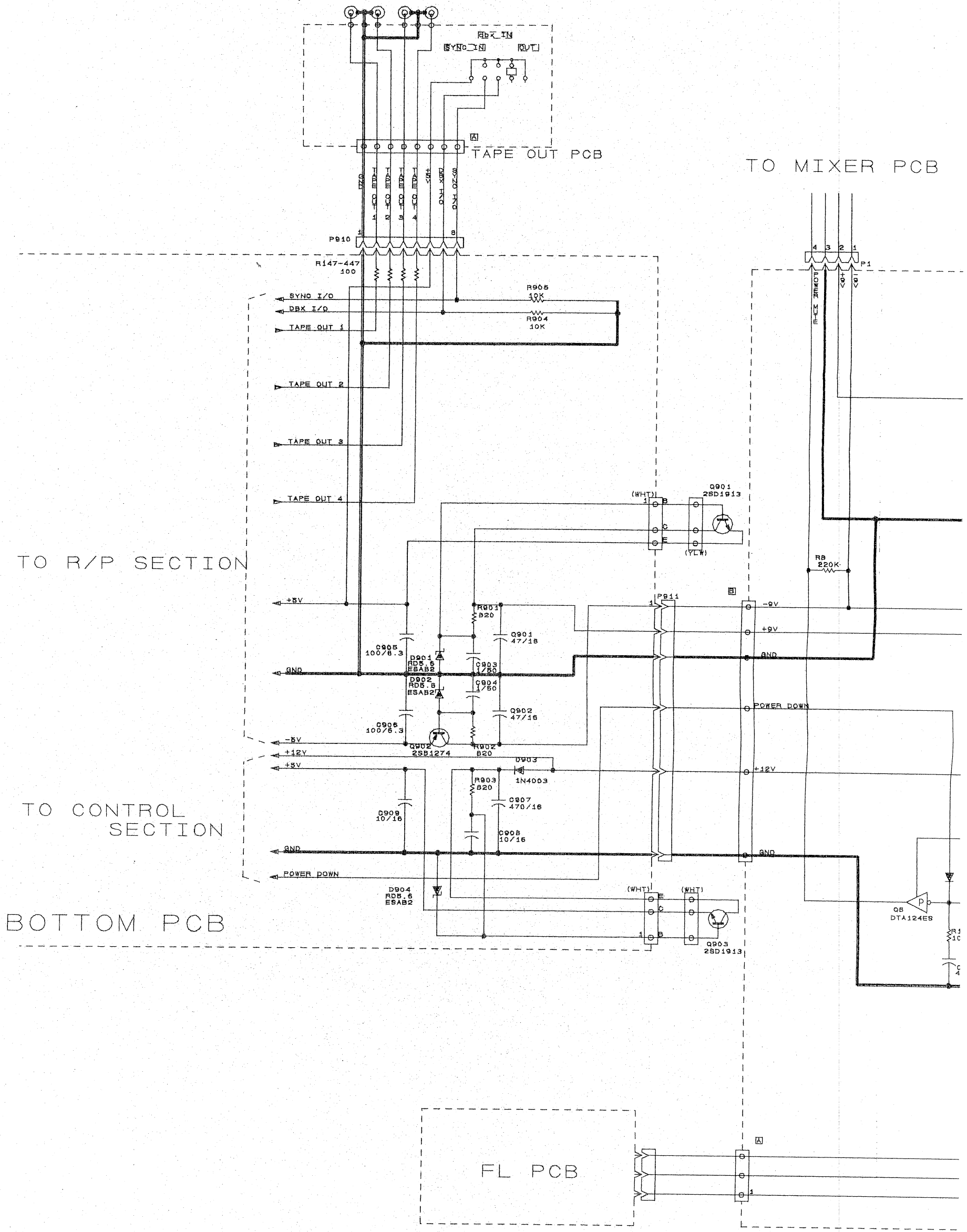


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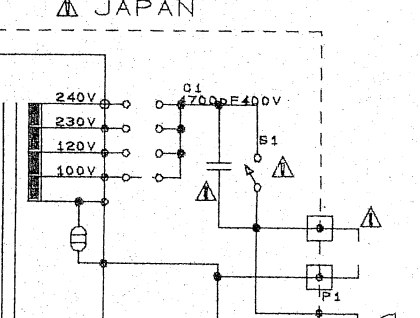
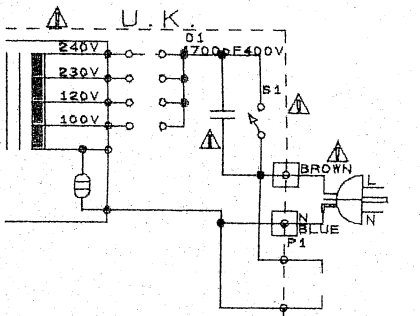
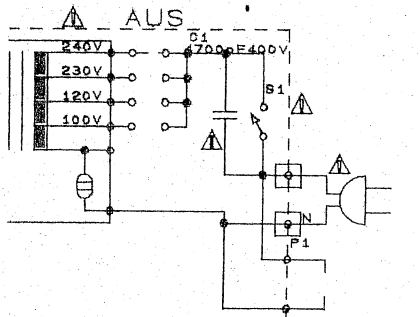
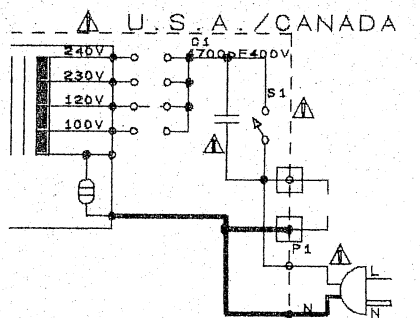
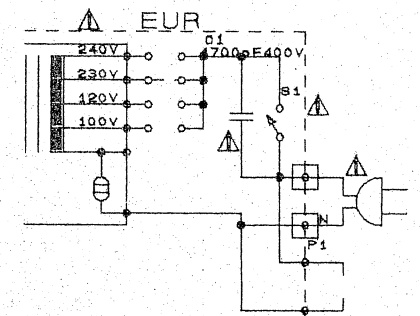
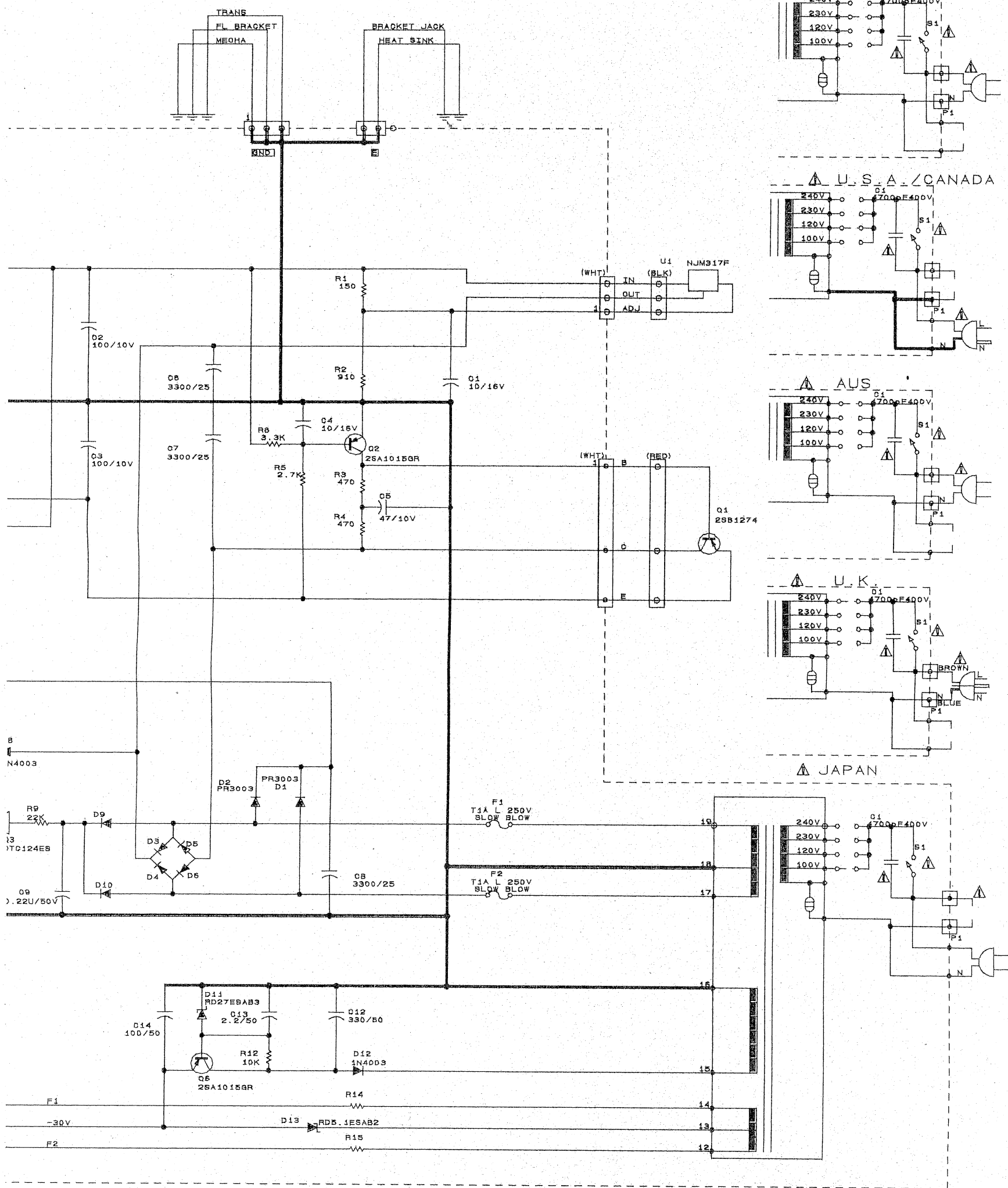


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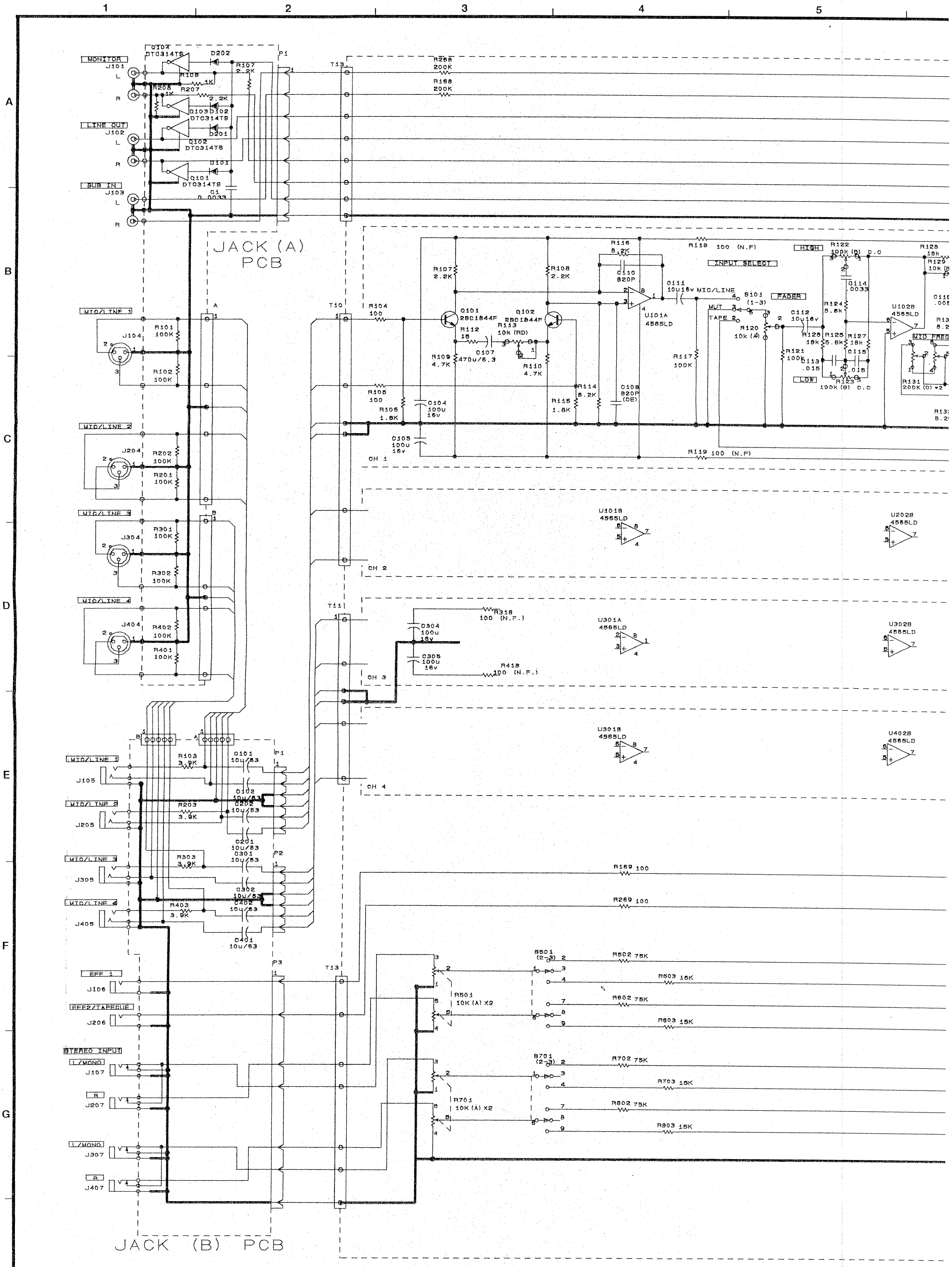
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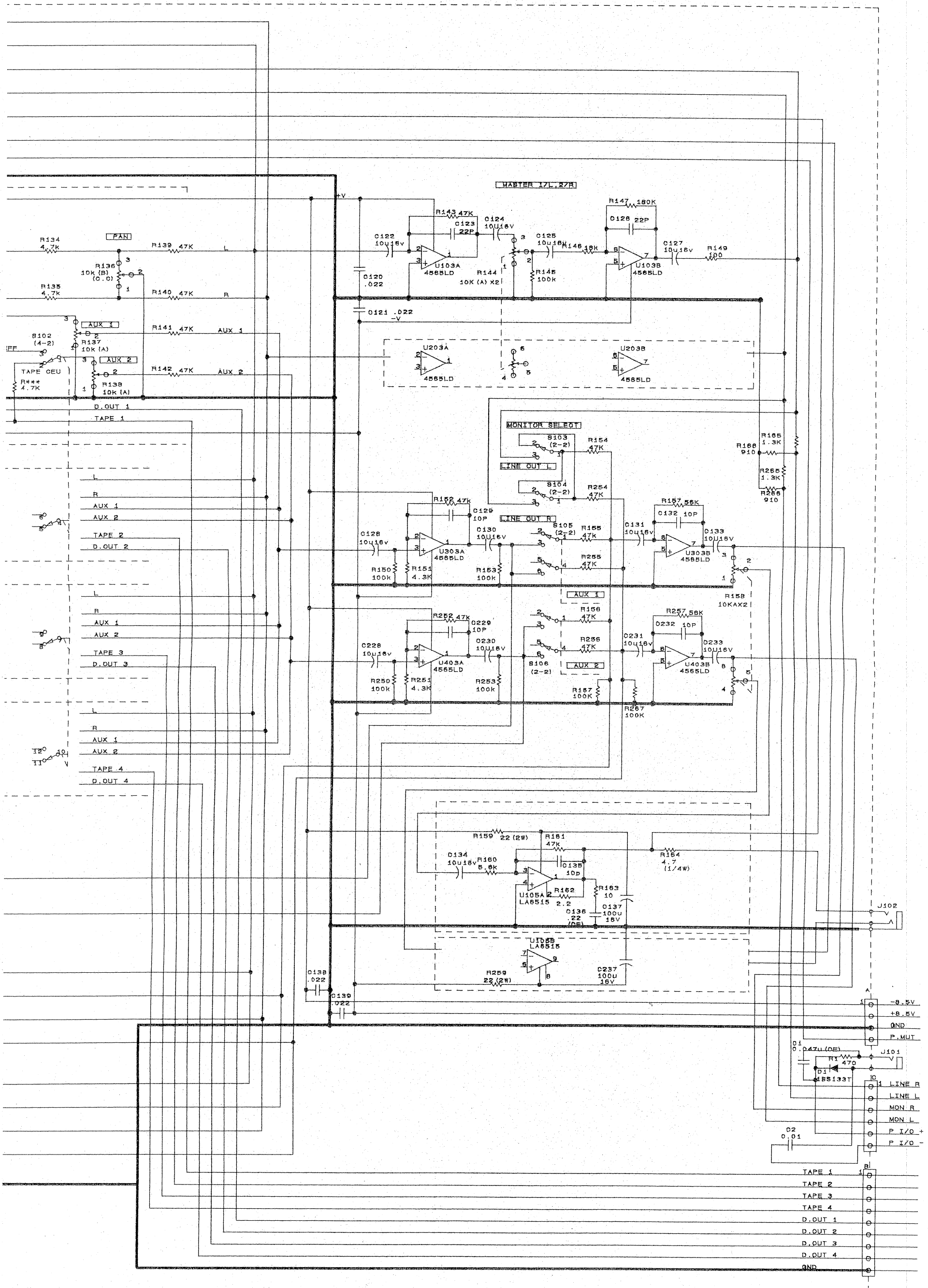


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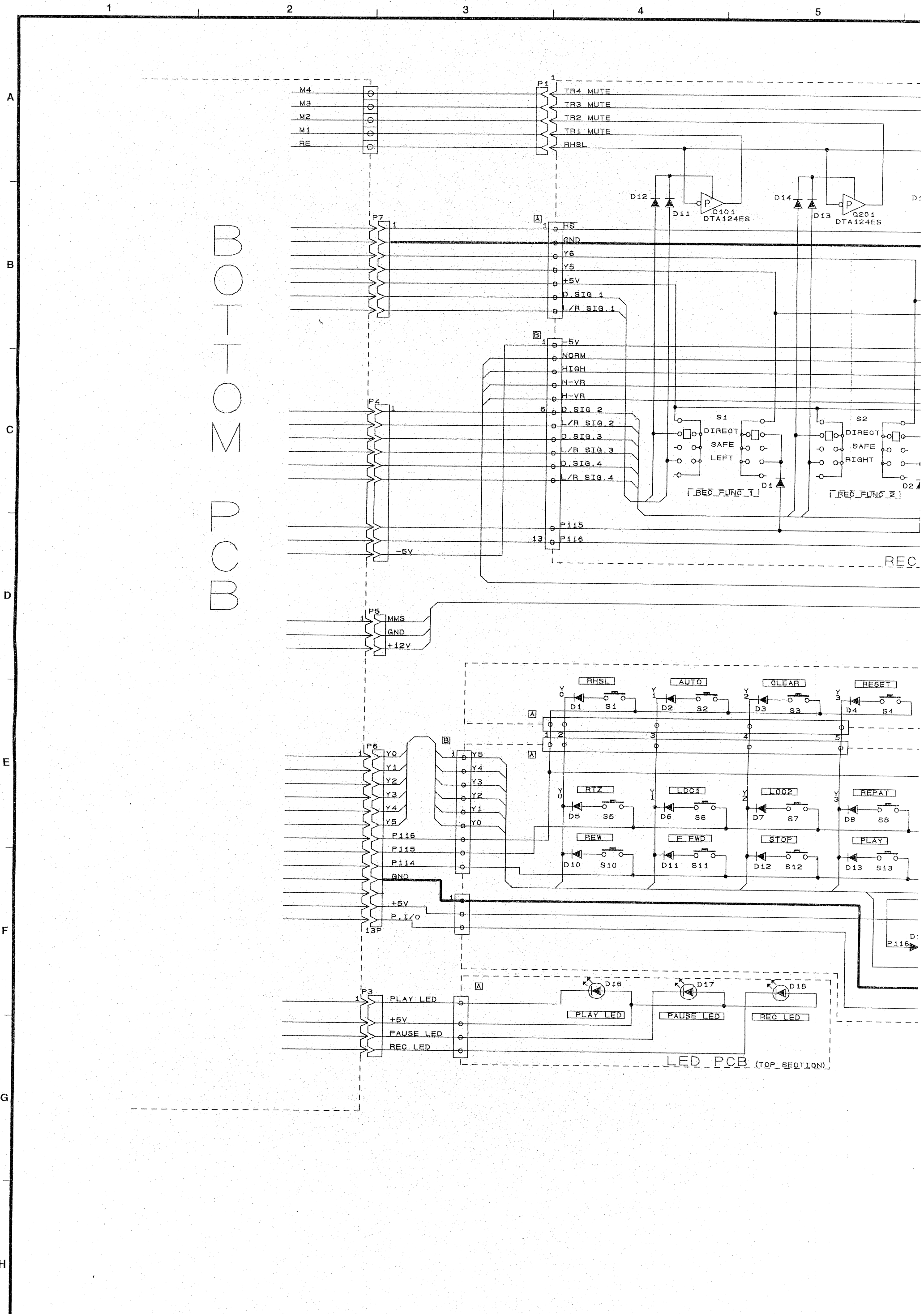


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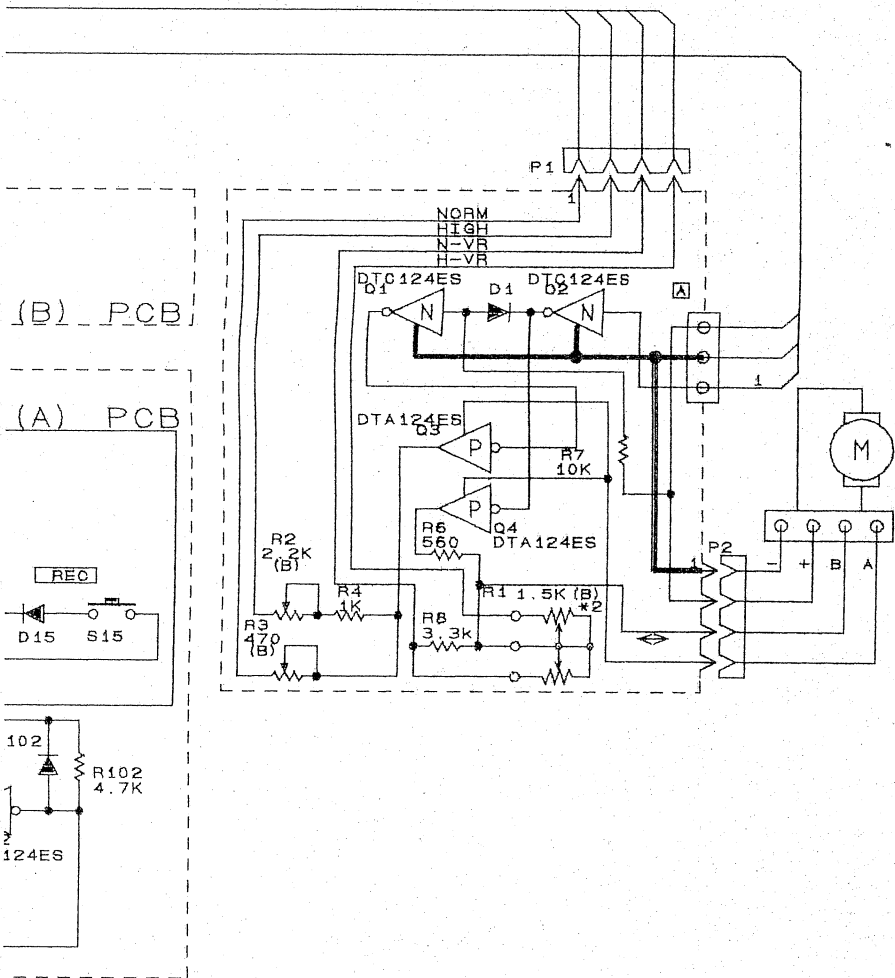
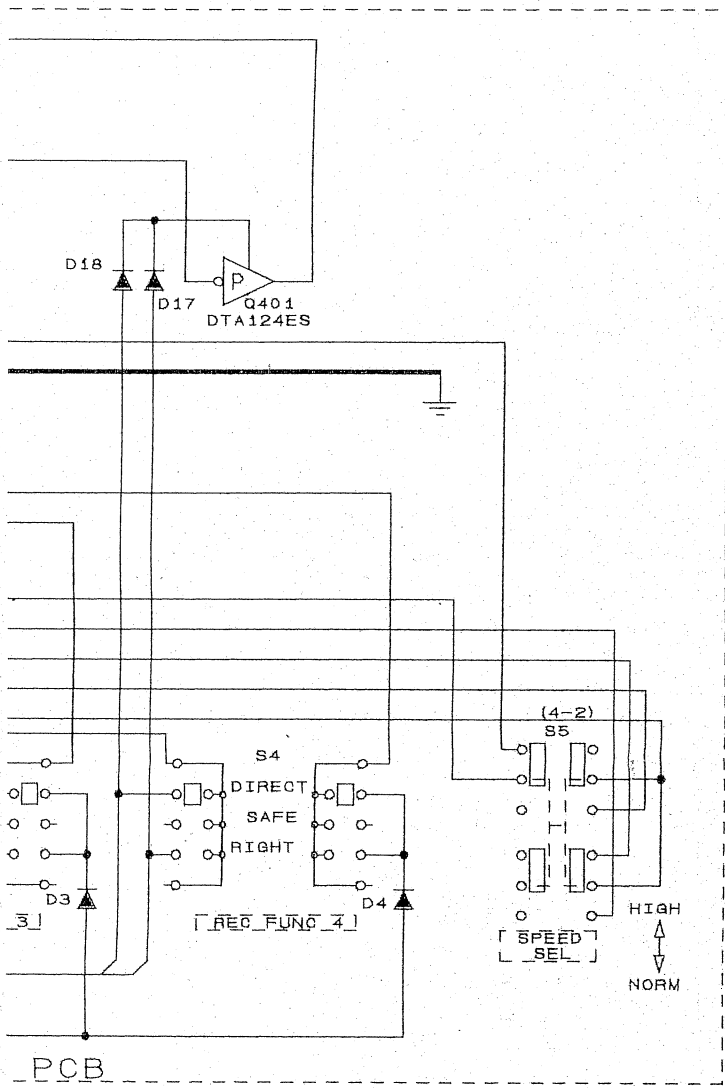




E



f



f