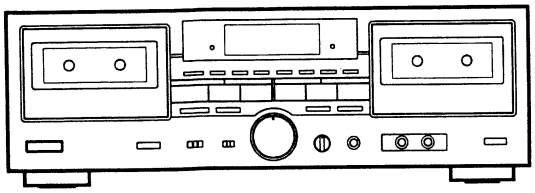
TEAC®



# SERVICE MANUAL

# W-800R/W-700R

## Double Auto Reverse 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。交換する時は必ずテ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

Effective : September, 1993

5704066500

# 1 SPECIFICATIONS
## 仕　様

**Track System** : 4-Track, 2-Channel Stereo
**Heads** : **[W-800R]**
4 ; Deck Ⅰ ; 1 Erase and 1 Record/Playback (Rotating)
Deck Ⅱ ; 1 Erase and 1 Record/Playback (Rotating)
**[W-700R]**
3 ; Deck Ⅰ ; 1 Playback (Rotating)
Deck Ⅱ ; 1 Erase and 1 Record/Playback (Rotating)
**Type of Tape** : Cassette tape C-60 and C-90 (Philips type)
**Tape Speeds** :
4.76 cm/sec (1-7/8 ips)
9.5 cm/sec (3-3/4 ips) (High speed dubbing)
**Motors** : 2 DC servo motors (1 ea. deck)
**Wow and Flutter** : 0.06 % (WRMS)
**Frequency response (Overall, - 20 dB)** :
25-19,000 Hz, Metal tape
25-18,000 Hz, $CrO_2$ tape
25-17,000 Hz, Normal tape
**Signal - to - Noise Ratio (Overall)** :
59 dB (NR off, 3 % THD Level, Weighted)
69 dB (Dolby B NR on, over 5 kHz)
79 dB (Dolby C NR on, over 1 kHz)
**Fast Winding Time** :
Approximately 110 seconds for C-60
**Inputs** : Line : 97 mV, 50 k ohms
Mic : 0.38 mV, 200 ohms **[W-800R]**
**Outputs** : Line : 0.52 V for load impedance of 50 k ohms or more
Headphones : 8 ohms
**Power Requirements** :
120/230 V AC, 50-60 Hz
(General Export model)
120 V AC, 60 Hz (U.S.A./Canada model)
230 V AC, 50 Hz (Europe model)
240 V AC, 50 Hz (U.K./Australia model)
**Power Consumption** : 15 W **[W-800R]**/14 W **[W-700R]**
**Dimensions (W × H × D)** :
435 × 144 × 284 mm
(17-1/8" × 5-11/16" × 11-3/16")
**Weight (net)** : 4.8 kg (10-9/16 lbs.) **[W-800R]**
4.6 kg (10-1/8 lbs.) **[W-700R]**
**Standard Accessories** : Input-output connection cords

- Specifications were determined using metal tape except as noted.
- Improvements may result in specification or feature changing without notice.



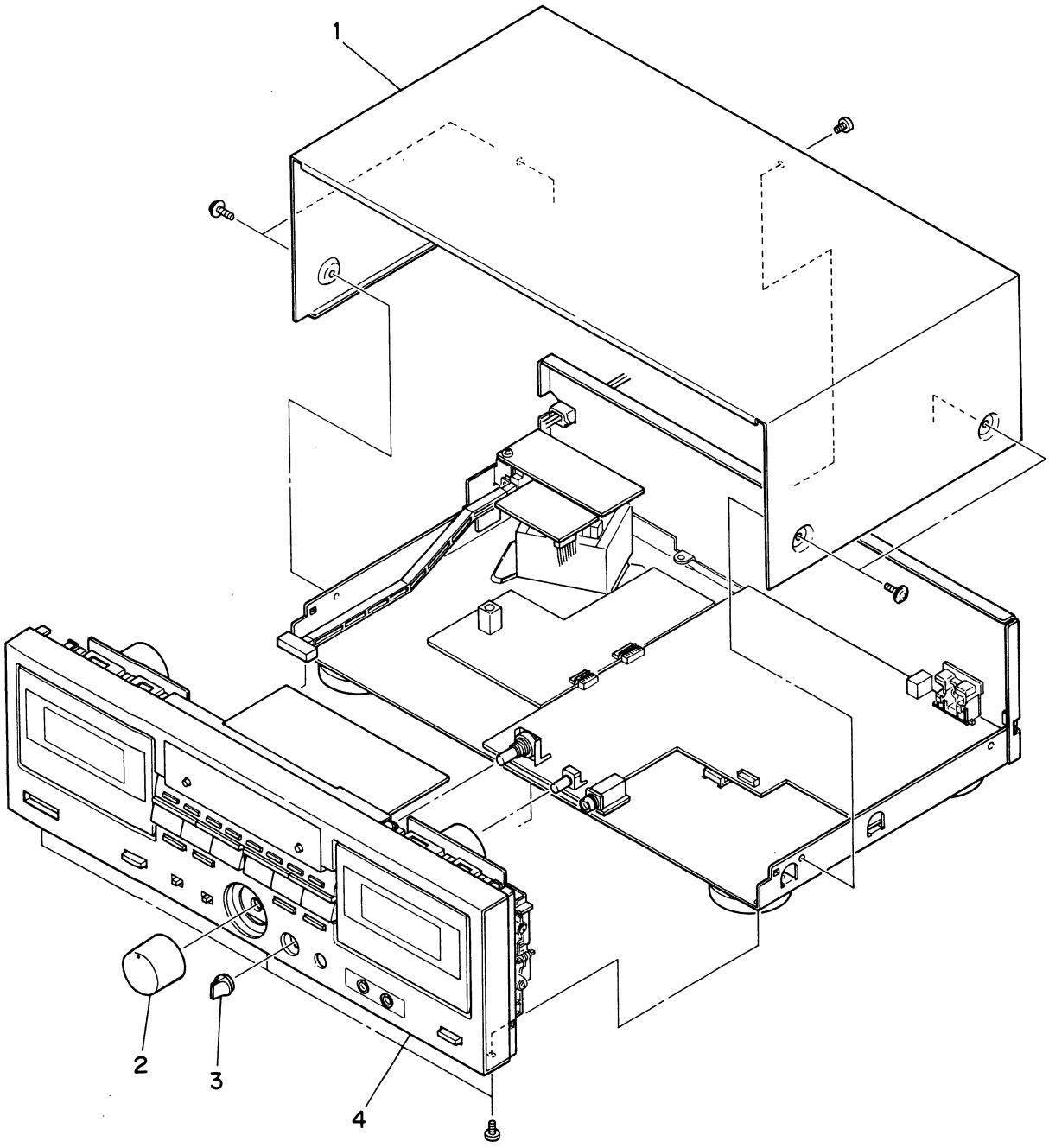
**[W-800R]**

| | |
|---|---|
| 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／再生ヘッド×1, 消去ヘッド×1 (ロータリー式, TAPE Ⅰ／TAPE Ⅱ) |
| 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, 9.5cm/sec (倍速ダビング時) |
| モーター | DCサーボモーター×1 (TAPE Ⅰ／TAPE Ⅱ) |
| ワウ・フラッター | 0.06％(W. RMS) ±0.1％(W. Peak)* |
| 周波数特性(総合) | メタル : 25～20,000Hz (30～19,000Hz ±3dB*) クローム : 25～19,000Hz (30～18,000Hz ±3dB*) ノーマル : 25～18,000Hz (30～17,000Hz ±3dB*) |
| SN比(総合) | 58dB(NR OFF, 規定録音レベル)* 69dB(ドルビーB NR ON, CCIR-ARM) 79dB(ドルビーC NR ON, CCIR-ARM) |
| 早巻時間 | 約110秒(C-60テープ) |
| 入力 | ライン : 97mV (入力インピーダンス50kΩ) マイク : 0.38mV (入力インピーダンス200Ω) |
| 出力 | ライン : 0.52V (負荷インピーダンス50kΩ以上) ヘッドホン : 8Ω |
| 電源 | 100V AC, 50-60Hz |
| 消費電力 | 15W |
| 外形寸法 | 435 × 144 × 284mm (W × H × D) |
| 重量 | 4.8kg |
| 付属品 | リモコンユニット RC-506×1 入出力コード×2, 乾電池(単4)×2 取扱説明書, 保証書 |

●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。

# 2 CASE AND FRONT PANEL REMOVAL
## 外装部品の外し方

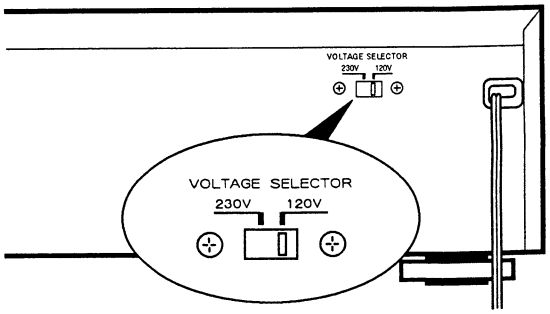
Disassemble in number-order
番号順に外してください




## 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 ADJUSTMENT AND CHECKS
## 調整と確認

## 3-1 MECHANICAL ADJUSTMENT

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

**Note** : In both FWD and REV play modes, these measurements should be made at the beginning, middle, and the end of the tape.

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 is within 0.15 % (WRMS).

## 3-1 機構部の調整

### 3-1-1 ワウ・フラッタ (再生法)

注:FWD, REV両方向でテープの巻始め、中間、巻終りを測定する。

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0.15 % (WRMS) 以下であることを確認する。

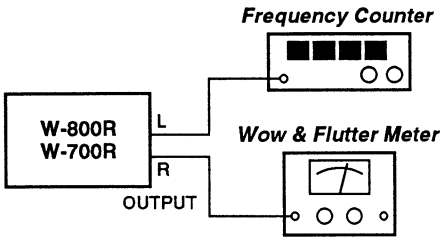



Fig. 3-1

### 3-1-2 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 in FWD direction the beginning of the test tape.
3. Adjust each variable resistor (Fig. 3-2) to get the following figures.

| | Adjustment point | | Adjustment value (Hz) |
|---|---|---|---|
| DECK I | HIGH speed | VR1 | 5,990~6,010 |
| | LOW speed | VR2 | 2,995~3,005 |
| DECK II | HIGH speed | VR3 | 5,990~6,010 |
| | LOW speed | VR4 | 2,995~3,005 |

＊At first, adjust HIGH tape speed.
＊Short TP1 to get the HIGH tape speed.

4. In play mode, check that the following figures are obtained at the beginning and at the end of the tape.

| | Speed drifting |
|---|---|
| HIGH speed | Within 90Hz |
| LOW speed | Within 45Hz |

### 3-1-2 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の巻始め部をFWD方向で再生する。
3. 周波数値が下表の範囲内になるよう、各調整VR(Fig. 3-2)を調整する。

| | 調整個所 | | 調整値 (Hz) |
|---|---|---|---|
| DECK I | HIGH speed | VR1 | 5,990~6,010 |
| | LOW speed | VR2 | 2,995~3,005 |
| DECK II | HIGH speed | VR3 | 5,990~6,010 |
| | LOW speed | VR4 | 2,995~3,005 |

＊HIGH Speedを先に調整すること。
＊TP1をショートすると、HIGH Speedになる。

4. 巻始めから巻終りまで再生し、変動幅を確認する。

| | 変動幅 |
|---|---|
| HIGH speed | 90Hz以内 |
| LOW speed | 45Hz以内 |

### 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 70g・cm
   Supply : 2.5 to 6g・cm
   FF/REW : 80 to 170g・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 : 35~70g・cm
   バックテンショントルク : 2.5~6g・cm
   早送り／巻戻しトルク : 80~170g・cm

## 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 1MΩ or more.
- Input terminals and measuring points at each step are the same as previous step, otherwise specified.
- Unless specified otherwise, adjustments and checks are made in FWD direction.

## 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なってください。
- 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1MΩ以上のものを使用してください。
- 入力端子及び測定個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。
- 特に指定のない場合、調整および確認はFWD方向で行なってください。

### 3-2-2 Adjustment locations 調整個所

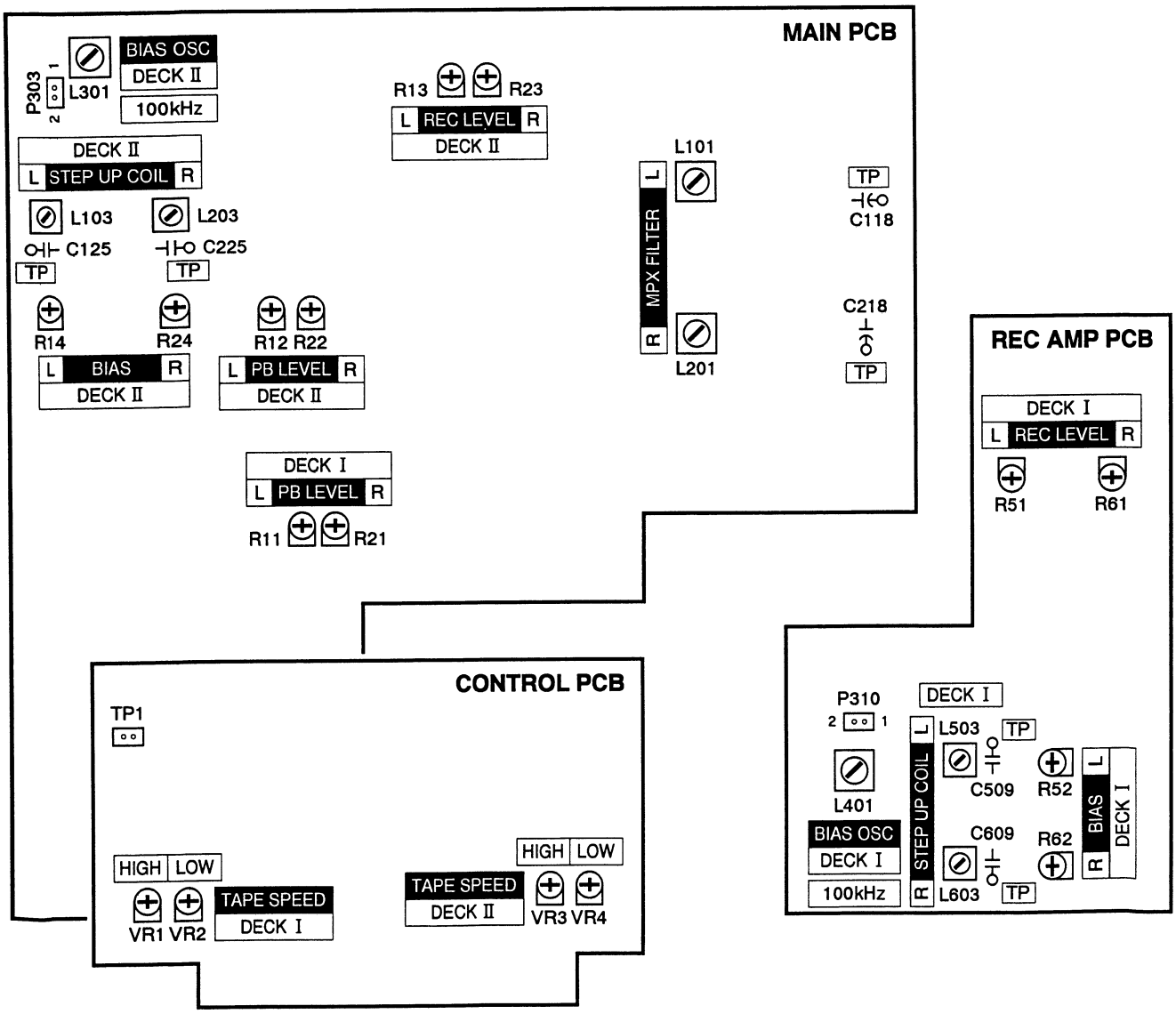
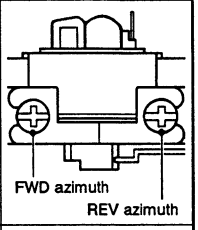
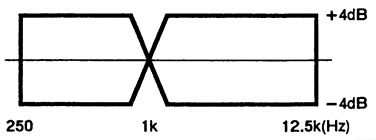



Fig. 3-2

### 3-2-3 Playback performance 再生系

Deck settings :
Mode : PLAY
DOLBY NR Switch : OFF

TEAC test tapes :
MTT-150C : For Dolby level calibration
MTT-25702 : For playback frequency response check NORMAL tape
MTT-5512 : For S/N check NORMAL tape

| ITEM 項目 | SETTING 設定 | INPUT SIGNAL 入力信号 | ADJUSTMENTS 調整個所 | MEASURING POINTS, RESULT 測定個所・調整値 | REMARKS 備考 |
|---|---|---|---|---|---|
| **1. Head azimuth adjustment** アジマス調整 | Connection : Fig. 3-4 Check/adjust in FWD, REV respectively FWD、REVそれぞれ調整・確認 | MTT-150C | Check | OUTPUT : Phase : within 45° 位相 : 45° 以内 (Fig. 3-5) |   |
| | | MTT-25702 (12.5kHz) | Azimuth screws アジマス調整ねじ | OUTPUT : Maximum output level at L & R-ch Lch、Rchとも出力最大 | |
| **2. DOLBY level** ドルビーレベル | Connection : Fig. 3-6 FWD PLAY | MTT-150C | R11/R21 | TP ; C118⊖/C218⊖ : −6dB (388mV) | PLAY I REC/PLAY I W-700R W-800R |
| | | | R12/R22 | | REC/PLAY II |
| **3. Playback output level** 再生出力レベル | Connection : Fig. 3-3 FWD/REV PLAY | MTT-150C | Check | OUTPUT : −4.5 ± 1dB (411mV~518mV) | Ref. output level 基準出力レベル |
| **4. Meter level** メーターレベル | | MTT-150C | Check | PEAK LEVEL METER: ◻ mark ± 1dot | |
| **5. PHONES output level** PHONES 出力レベル | Connection : Fig. 3-7 | MTT-150C | Check | PHONES : −19 ± 3dB (61.6mV~123mV) | 8Ω load 8Ω負荷 |
| **6. Playback frequency response** 再生周波数特性 | Connection : Fig. 3-3 | MTT-25702 | Check |   | |
| **7. Playback S/N ratio** 再生S/N比 | Connection : Fig. 3-3 | MTT-5512 Playback the leader tape portion リーダーテープ部を再生 | Check | 46dB min. | Ratio of ref. level to noise 基準出力レベルとノイズの比 |

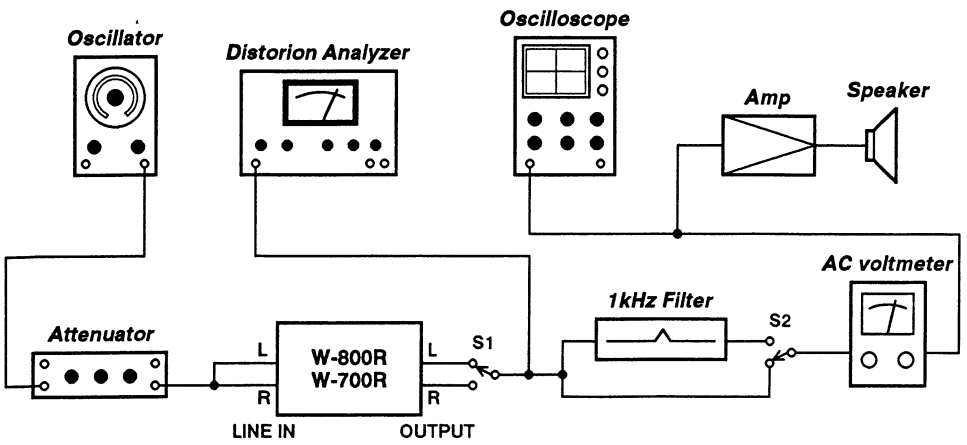



Fig. 3-3 Basic test setup

### 3-2-4 Monitor performance モニター系

Deck settings :
Mode : REC-PAUSE
DOLBY NR Switch : OFF

| ITEM 項目 | SETTING 設定 | INPUT SIGNAL 入力信号 | ADJUSTMENTS 調整個所 | MEASURING POINTS, RESULT 測定個所・調整値 | REMARKS 備考 |
|---|---|---|---|---|---|
| **8. Min. LINE input level** ライン最小入力レベル | Connection : Fig. 3-3<br>REC LEVEL Control:MAX<br>BALANCE Control:Center | LINE IN :<br>400Hz/− 19dB<br>(87mV) | Check | OUTPUT :<br>− 4.5 ± 3dB<br>(327mV~652mV) | |
| **9. Min. MIC input level** マイク最小入力レベル **[W-800R]** | Connection : Fig. 3-3<br>REC LEVEL Control:MAX<br>BALANCE Control:Center | MIC :<br>400Hz/− 67dB<br>(0.346mV) | Check | OUTPUT :<br>− 4.5 ± 3dB<br>(327mV~652mV) | |
| **10. Specified LINE input level** ライン規定入力レベル | Connection : Fig. 3-3 | LINE IN :<br>400Hz/− 9dB<br>(275mV) | REC LEVEL Control<br>BALANCE Control | OUTPUT :<br>− 4.5dB<br>(462mV) | After adjusting, do not move (Specific position)<br>調整後は動かさないこと(規定位置) |
| **11. Monitor S/N ratio** モニター S/N比 | Connection : Fig. 3-3 | LINE IN :<br>No signal<br>無信号 | Check | 60dB min. | Ratio of ref. level to noise<br>基準出力レベルとノイズの比 |

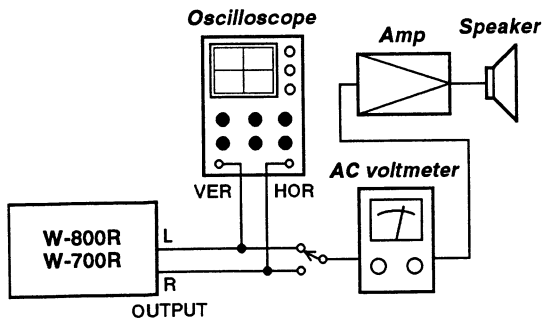



Fig. 3-4 Test setup for azimuth check

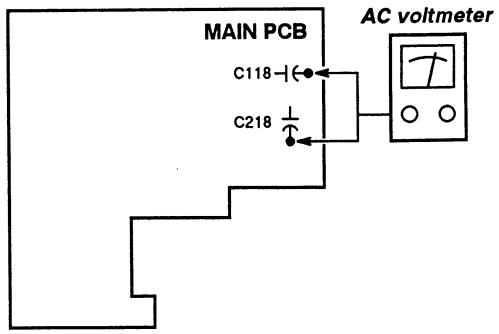



Fig. 3-6 Test setup for DOLBY level adjustment

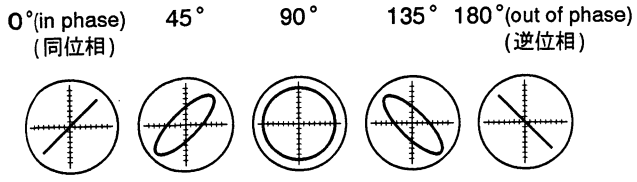



Fig. 3-5 Confirming phase relationship

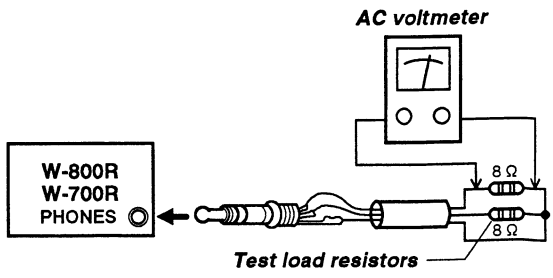
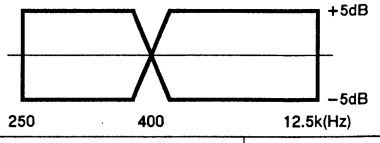



Fig. 3-7 Test setup for PHONES check

### 3-2-5 Recording performance 録音系

Deck settings :
- Mode : REC/PLAY
- DOLBY NR Switch : OFF
- REC LEVEL Control : Specified position 規定位置 (Item 10)
- BALANCE Control : Specified position 規定位置 (Item 10)

TEAC recording test tapes :
- MTT-5512 : For NORMAL
- MTT-5562 : For $CrO_2$
- MTT-5571 : For METAL

| ITEM 項目 | SETTING 設定 | INPUT SIGNAL 入力信号 | ADJUSTMENTS 調整個所 | MEASURING POINTS, RESULT 測定個所・調整値 | REMARKS 備考 |
|---|---|---|---|---|---|
| **12. Bias osc frequency** バイアス 発振周波数 | Connection : Fig. 3-8<br>TAPE : MTT-5512<br>Mode : REC | LINE IN :<br>No signal<br>無信号 | L301 | P303-1 :<br>100kHz | REC/PLAY II |
| | | | L401 | P310-2 :<br>100kHz | REC/PLAY I W-800R |
| **13. Step up coil** ステップアップ コイル | Connection : Fig. 3-9<br>TAPE : MTT-5571<br>Mode : REC | LINE IN :<br>No signal<br>無信号 | L103/L203 | TP ; C125/C225 :<br>Min. DC voltage<br>DC電圧最小 | REC/PLAY II |
| | | | L503/L603 | TP ; C509/C609 :<br>Min. DC voltage<br>DC電圧最小 | REC/PLAY I W-800R |
| **14. Record bias** 録音バイアス | Connection : Fig. 3-3<br>TAPE : MTT-5512 | LINE IN :<br>250Hz/10kHz<br>−42dB<br>(6.16mV) | R14/R24 | OUTPUT :<br>Nearly equal level at both frequencies<br>両周波数の録再出力が同レベル | REC/PLAY II |
| | | | R52/R62 | | REC/PLAY I W-800R |
| **15. MPX filter** MPXフィルター | Connection : Fig. 3-3<br>Mode : REC | LINE IN :<br>19kHz/−12dB<br>(195mV) | L101/L201 | 30dB min. | Ratio of ref. level to signal<br>基準出力レベルに対する比 |
| **16. Record level adjustment** 録音レベル調整 | Connection : Fig. 3-3<br>TAPE : MTT-5512 | LINE IN :<br>400Hz/−12dB<br>(195mV) | R13/R23 | OUTPUT :<br>−7.5dB<br>(327mV) | REC/PLAY II |
| | | | R51/R61 | | REC/PLAY I W-800R |
| **17. Record level check** 録音レベル確認 | Connection : Fig. 3-3<br>TAPE : MTT-5562<br>MTT-5571 | LINE IN :<br>400Hz/−12dB<br>(195mV) | Check | OUTPUT :<br>−7.5 ± 1dB<br>(291mV〜367mV) | |
| **18. Total harmonic distortion** 総合歪率 | Connection : Fig. 3-3<br>TAPE : MTT-5512<br>MTT-5562<br>MTT-5571 | LINE IN :<br>400Hz/−12dB<br>(195mV) | Check | NORMAL : 2.0% or less<br>$CrO_2$ : 2.5% or less<br>METAL : 2.5% or less | |
| **19. Overall frequency response** 録再周波数特性 | Connection : Fig. 3-3<br>TAPE : MTT-5512<br>MTT-5562<br>MTT-5571 | LINE IN :<br>250Hz〜12.5kHz<br>−42dB<br>(6.16mV) | Check |  | |
| **20. Overall S/N ratio** 総合S/N比 | Connection : Fig. 3-3<br>TAPE : MTT-5512<br>MTT-5562<br>MTT-5571 | LINE IN :<br>No signal<br>無信号 | Check | NORMAL : 45dB min.<br>$CrO_2$ : 46dB min.<br>METAL : 46dB min. | Ratio of ref. level to noise<br>基準出力レベルとノイズの比 |

| ITEM<br>項 目 | SETTING<br>設 定 | INPUT SIGNAL<br>入力信号 | ADJUSTMENTS<br>調整個所 | MEASURING RESULT<br>調整値 | REMARKS<br>備 考 |
|---|---|---|---|---|---|
| **21. Erase efficiency**<br>消去率 | Connection : Fig. 3-3<br>TAPE : MTT-5571<br>1kHz B.P.F in | LINE IN :<br>1kHz/+1dB<br>(870mV) | Check | 65dB min. | Ratio of the 1kHz recorded portion to the erased portion.<br>未消去部分と消去部分の比 |
| **22. REC MUTE function**<br>REC MUTE<br>効果 | Connection : Fig. 3-3<br>TAPE : MTT-5571<br>1kHz B.P.F in | LINE IN :<br>1kHz/+1dB<br>(870mV) | Check | 55dB min. | Ratio of the 1kHz recorded portion to the "REC MUTE"portion.<br>録音部分と"REC MUTE"部分の比 |
| **23. Channel seperation**<br>チャンネル<br>セパレーション | Connection : Fig. 3-3<br>TAPE : MTT-5562<br>1kHz B.P.F in | LINE IN :<br>Lch 1kHz/−9dB<br>(275mV)<br>Rch No signal<br>無信号 | Check | 35dB min. | Ratio of the 1kHz recorded portion (Lch) to the no signal portion (Rch).<br>録音部分 (Lch) と無信号部分 (Rch) の比 |
| **24. Adjacent track crosstalk**<br>トラック間<br>クロストーク | Connection : Fig. 3-3<br>TAPE : MTT-5571 | LINE IN :<br>Lch No signal<br>無信号<br>Rch 125Hz/-9dB<br>(275mV) | Check | 40dB min. | Invert tape and play Rch track. Check leckage level against the output reference of previously recorded portion.<br>テープを反転して再生した時のRch出力レベルの比 |

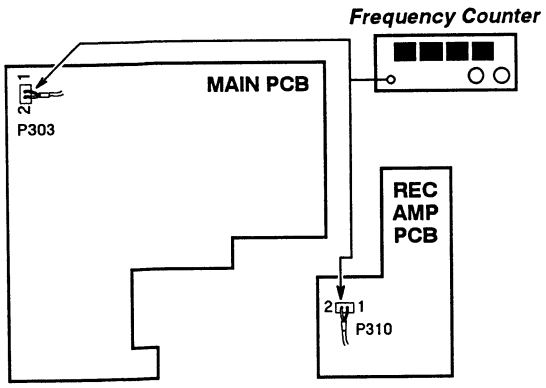



Fig. 3-8 Test setup for bias OSC adjustment

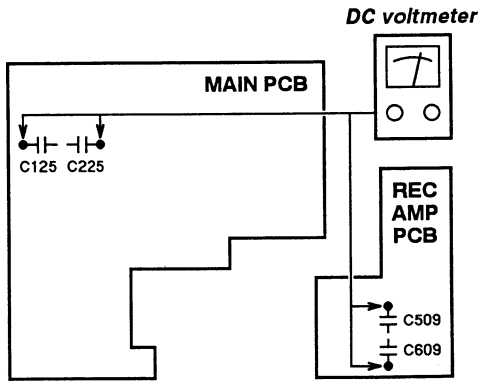
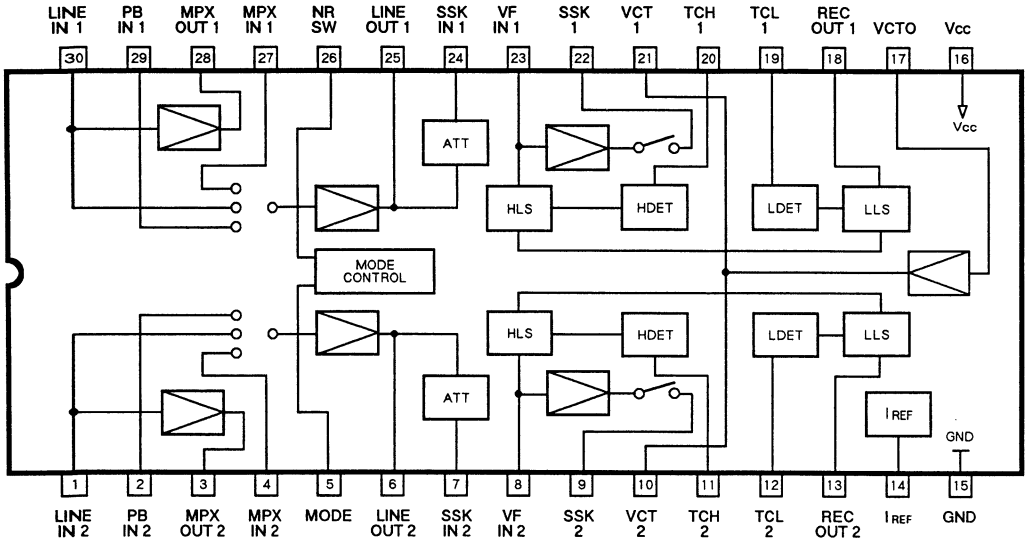



Fig. 3-9 Test setup for step up coil adjustment

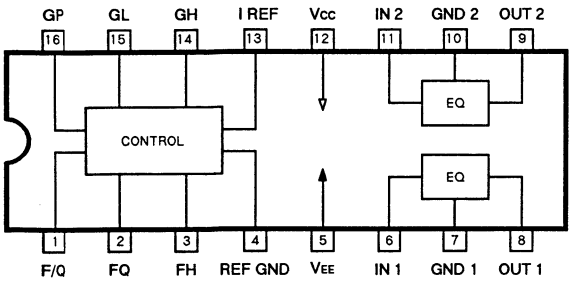
# 4 IC BLOCK DIAGRAMS

IC ブロックダイアグラム

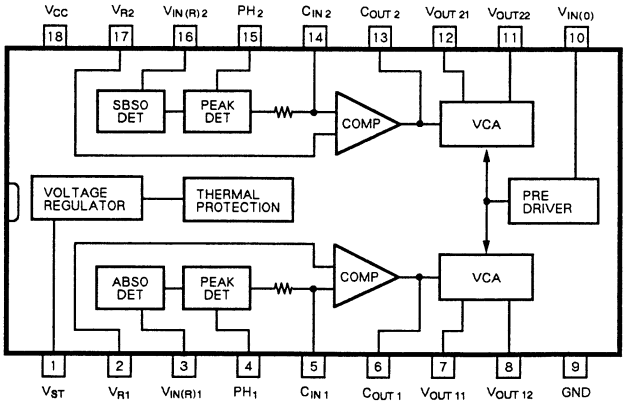
## U305 CXA1331S



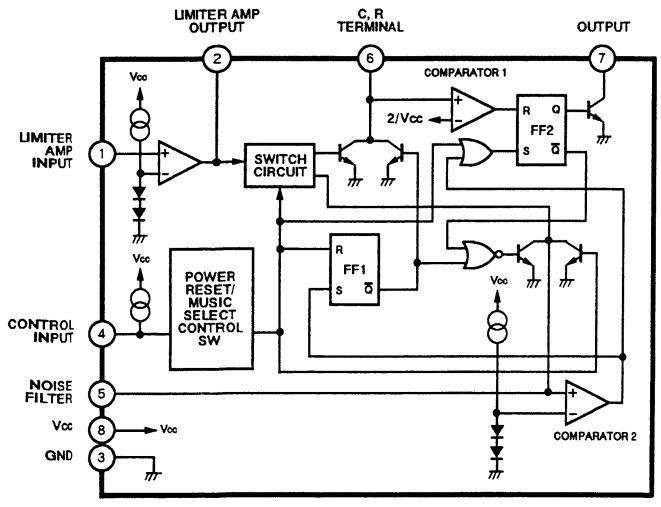

## U308 CXA1198AP



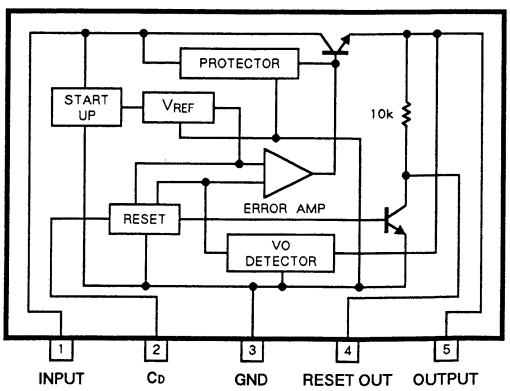

## U310, U403 uPC1297CA



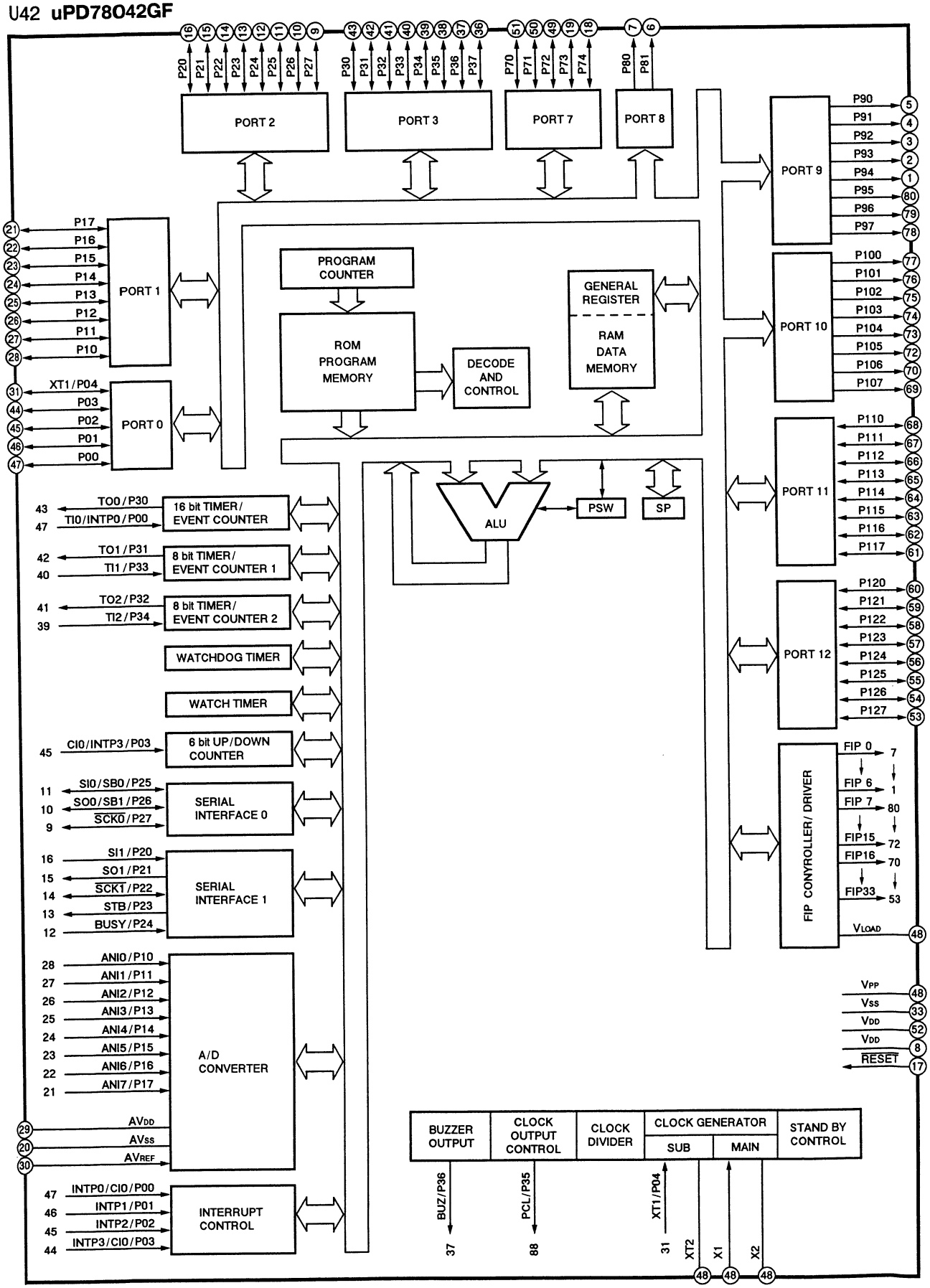

## U311 M51143AL




## U41 L78LR05D



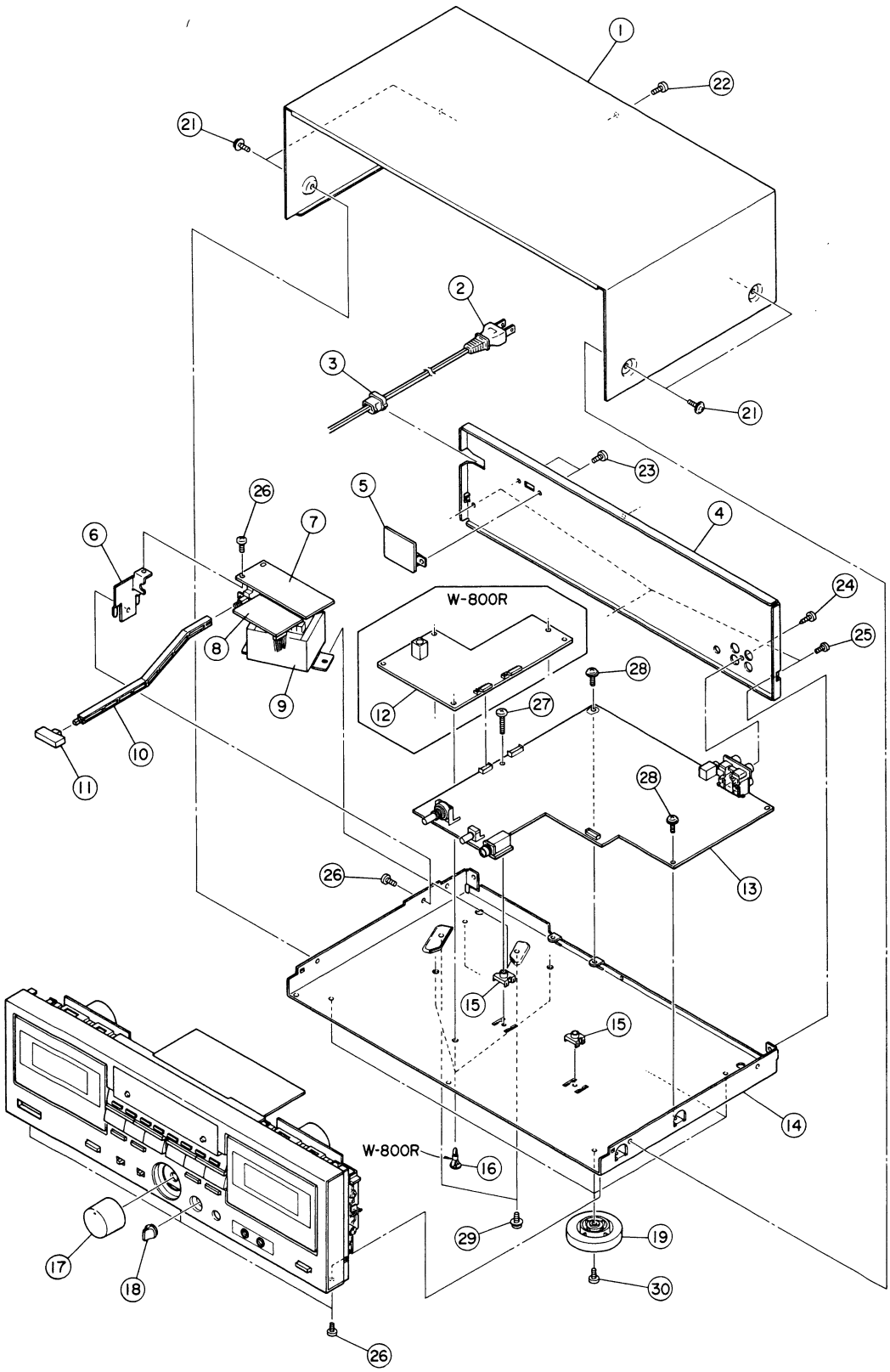
U42 **uPD78042GF**



# 5 EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1



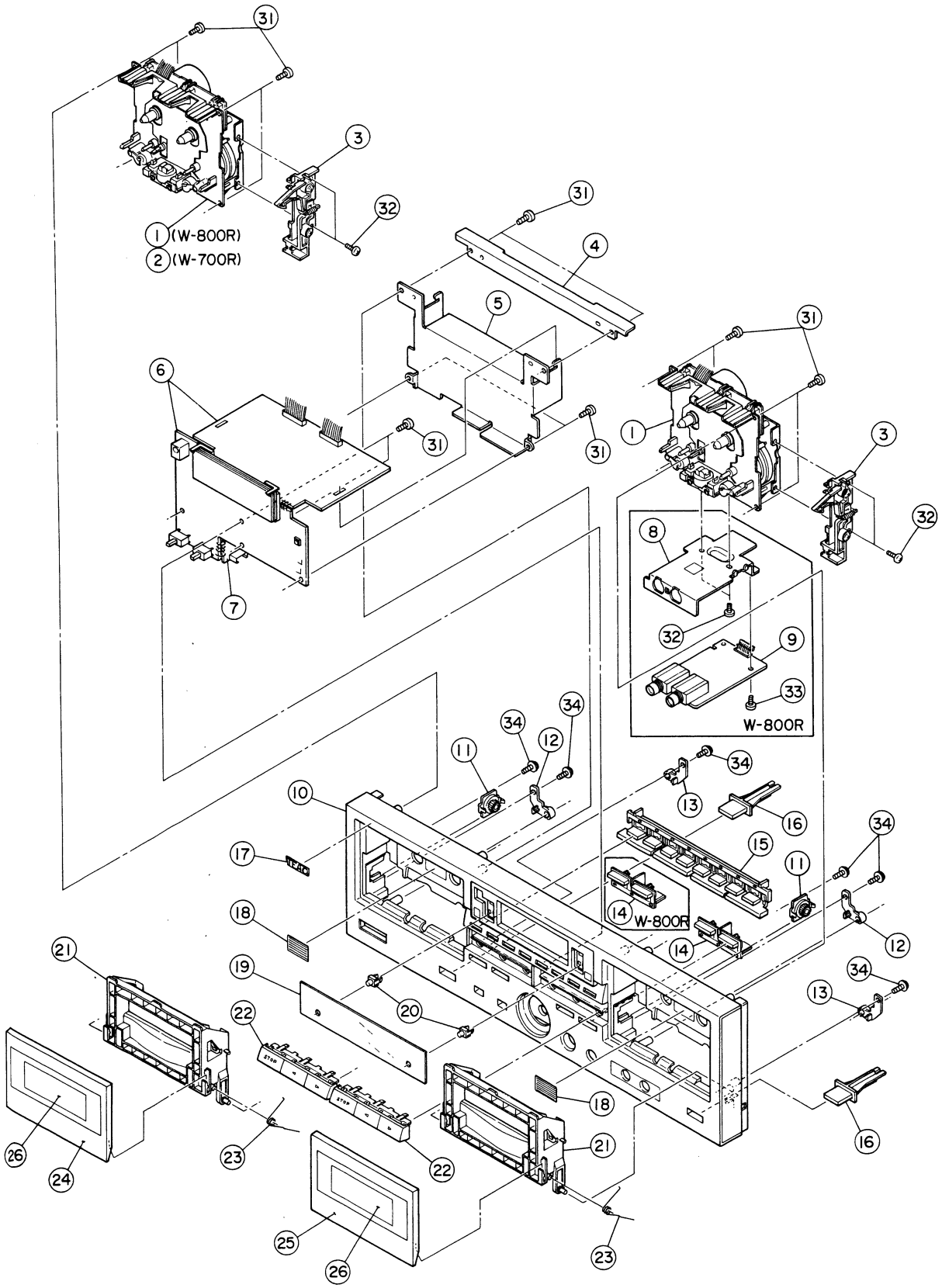
## EXPLODED VIEW-1

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 1- 1 | *9260155903 | BONNET | |
| 1- 2 | ⚠ 9109025710 | AC CORD, CEE [E] | |
| | ⚠ 9109025810 | AC CORD, UL [GE] | |
| | ⚠ 9109025910 | AC CORD, BS [UK] | |
| | ⚠ 9109026010 | AC CORD [A] | |
| | ⚠ 9109026110 | AC CORD [J] | |
| | ⚠ 9109026210 | AC CORD, UL [US,C] | |
| 1- 3 | ⚠ 9121000102 | BUSHING, #2271 | |
| 1- 4 | *9260181501 | REAR PANEL [US,C] | |
| | *9260183101 | REAR PANEL [GE] | |
| | *9260185901 | REAR PANEL [J,E,UK,A] | |
| 1- 5 | *9145123500 | SELECTOR SW PCB ASSY [GE] | |
| 1- 6 | *9260175500 | LINKAGE BRACKET | |
| 1- 7 | *9145123400 | TRANS PCB A ASSY [US,C] | |
| | *9145123410 | TRANS PCB A ASSY [E,UK,A] | |
| | *9145123420 | TRANS PCB A ASSY [GE] | |
| | *9145123430 | TRANS PCB A ASSY [J] | |
| 1- 8 | *9145123600 | TRANS PCB B ASSY | |
| 1- 9 | ⚠ 9125101000 | POWER TRANSFORMER [US,C] | |
| | ⚠ 9125101200 | POWER TRANSFORMER [J,GE,E,UK,A] | |
| 1-10 | *9260182600 | POWER LINKAGE | |
| 1-11 | 9260132900 | POWER BUTTON | |
| 1-12 | *9145123800 | REC AMP PCB ASSY | W-800R |
| 1-13 | *9145123102 | MAIN PCB ASSY | W-800R |
| | *9145123113 | MAIN PCB ASSY | W-700R |
| 1-14 | ---------- | MAIN CHASSIS | |
| 1-15 | *9260151300 | PCB SUPPORT | |
| 1-16 | *9260184800 | PCB SUPPORT, H=8 | W-800R |
| 1-17 | 9260156500 | VR KNOB | |
| 1-18 | 9260151001 | PAN CAP KNOB | |
| 1-19 | *9260113901 | FOOT ASSY | |
| 1-21 | *9783053006 | SCREW, CAP-S M3X6 (BLK) | |
| 1-22 | *9783593008 | SCREW, C-TITE M3X8 (NI-BLK) | |
| 1-23 | *9783233008 | SCREW, BTT-S M3X8 (BLK) [GE] | |
| 1-24 | *9783613008 | SCREW, BTT-P M3X8 (BLK) | |
| 1-25 | *9783233006 | SCREW, BTT-S M3X6 (BLK) | |
| 1-26 | *9783203006 | SCREW, BTT-S M3X6 | |
| 1-27 | *9783203014 | SCREW, BTT-S M3X14 | |
| 1-28 | *9783103006 | SCREW, CAP-S M3X6 | |
| 1-29 | *9783294008 | SCREW, BTB-S M4X8 | |
| 1-30 | *9783203008 | SCREW, BTT-S M3X8 | |

## INCLUDED ACCESSORIES

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| | *9101395900 | OWNER'S MANUAL, ENGLISH [EXCEPT J] | W-800R |
| | *9101395600 | OWNER'S MANUAL, ENGLISH | W-700R |
| | *9101396001 | OWNER'S MANUAL, JAPANESE [J] | W-800R |
| | *9101395700 | OWNER'S MANUAL, 5-LANGUAGE [C,E] | |
| | *9109027100 | IN-OUTPUT CORD | |
| | *9151001500 | REMOTE CONTROL UNIT, RC-506 [J] | W-800R |
| | *5347016500 | BATTERY, UM-4 [J] | W-800R |

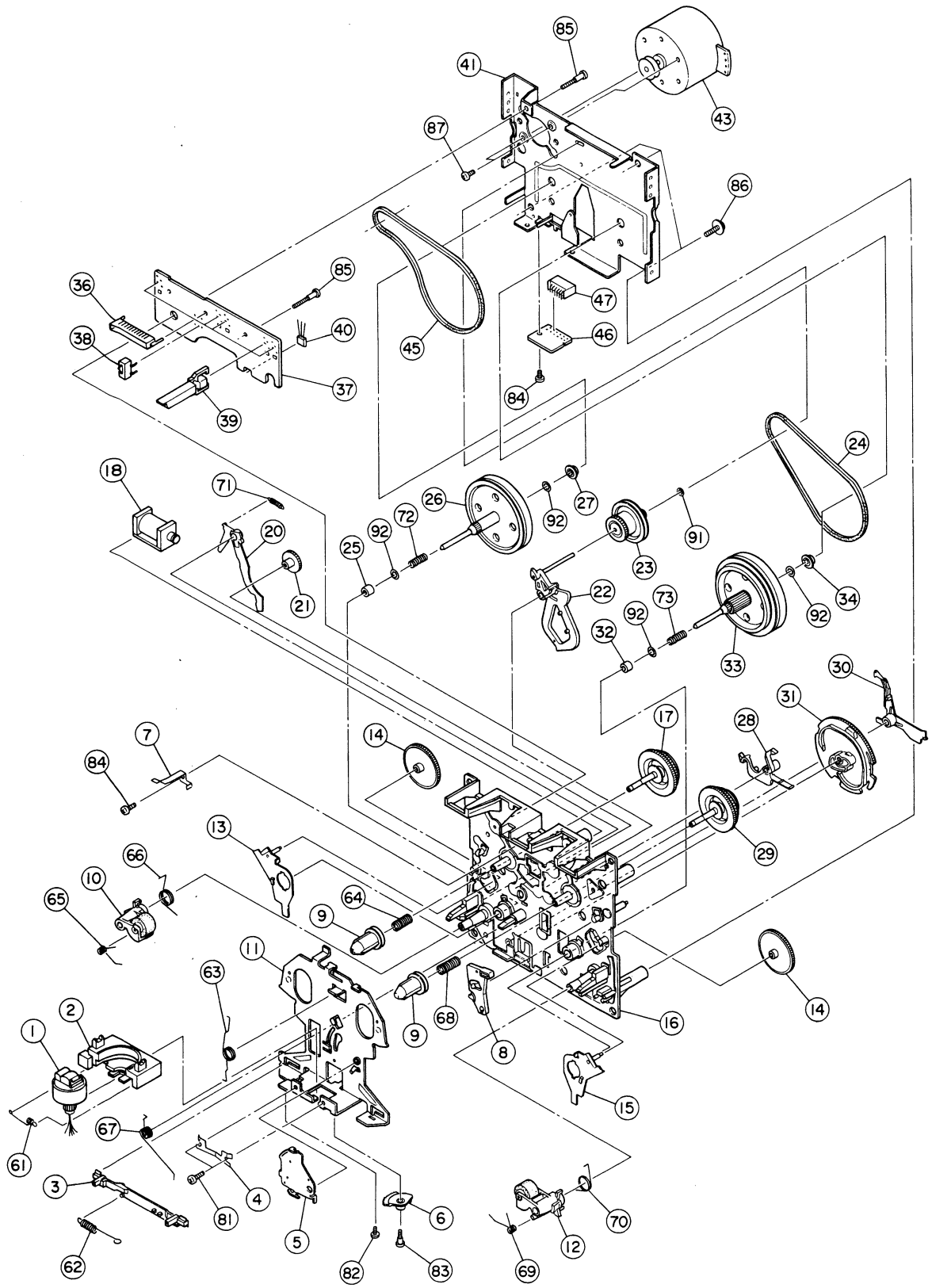
EXPLODED VIEW-2



## EXPLODED VIEW-2

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 2- 1 | *9278033500 | MECH ASSY, R/P CRP-482 | W-700R DECK 2, W-800R |
| 2- 2 | *9278033600 | MECH ASSY, PLAY CRP-483 | W-700R DECK 1 |
| 2- 3 | 9260185401 | EJECT ASSY | |
| 2- 4 | *9260181602 | TOP BRACKET | |
| 2- 5 | *9260185302 | SHIELD PLATE | |
| 2- 6 | *9145123201 | CONTROL PCB ASSY | W-800R |
| | *9145123211 | CONTROL PCB ASSY | W-700R |
| 2- 7 | *9145123300 | CONNECTOR PCB ASSY | |
| 2- 8 | *9260181700 | JACK BRACKET | W-800R |
| 2- 9 | *9145124300 | MIC JACK PCB ASSY | W-800R |
| 2-10 | *9260188200 | FRONT PANEL ASSY | W-800R |
| | *9260188100 | FRONT PANEL ASSY | W-700R |
| 2-11 | 9260077301 | DAMPER | |
| 2-12 | 9260185001 | STOPPER CASE, L | |
| 2-13 | *9260185101 | STOPPER CASE, R | |
| 2-14 | *9260182001 | REC BUTTON | |
| 2-15 | 9260182301 | FF/REW BUTTON | W-800R |
| | 9260182201 | FF/REW BUTTON | W-700R |
| 2-16 | 9260182501 | EJECT BUTTON | |
| 2-17 | *9260188300 | TEAC EMBLEM | |
| 2-18 | *5800822400 | REFLECT TAPE | |
| 2-19 | *9260183302 | METER COVER [US,C,GE,A] | |
| | *9260186102 | METER COVER [J,E,UK] | |
| 2-20 | *9260182400 | CLEAR BUTTON | |
| 2-21 | *9260181901 | READ CASE | |
| 2-22 | *9260182101 | PLAY BUTTON | |
| 2-23 | *9260183201 | CASE SPRING | |
| 2-24 | *9260185701 | READ DOOR C | W-800R |
| | *9260181801 | READ DOOR A | W-700R |
| 2-25 | *9260185601 | READ DOOR B | |
| 2-26 | *9260183400 | L/D COVER | |
| 2-31 | *9783603008 | SCREW, BTT-P M3X8 | |
| 2-32 | *9783202006 | SCREW, BTT-S M2X6 | |
| 2-33 | *9783202606 | SCREW, BTT-S M2.6X6 | W-800R |
| 2-34 | *9783413008 | SCREW, CAP-P M3X8 (BLK) | |

EXPLODED VIEW-3



## EXPLODED VIEW-3

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---|---|---|---|
| 3- 1 | 9278336800 | ASSY HOLDER HEAD | W-700R DECK 2, W-800R |
| | 9278330000 | ASSY HOLDER HEAD | W-700R DECK 1 |
| 3- 2 | *9278330100 | FLAME HEAD | |
| 3- 3 | *9278330200 | LEVER HEAD | |
| 3- 4 | *9278330300 | SPRING AZIMUTH | |
| 3- 5 | *9278330400 | ASSY ARM ASSIST | |
| 3- 6 | *9278330500 | GEAR ARM HEAD | |
| 3- 7 | *9278330600 | SPRING CASSETTE | |
| 3- 8 | *9278330700 | EJECT LOCK | |
| 3- 9 | *9278330800 | CAP REEL | |
| 3-10 | 9278330900 | ASSY PINCH ARM L | |
| 3-11 | *9278331000 | CHASSIS HEAD | |
| 3-12 | 9278331100 | ASSY PINCH ARM R | |
| 3-13 | *9278331200 | ARM PLAY L | |
| 3-14 | 9278331300 | GEAR PLAY | |
| 3-15 | *9278331400 | ARM PLAY R | |
| 3-16 | *9278331500 | CHASSIS OS. | |
| 3-17 | 9278331600 | ASSY SUB REEL L | |
| 3-18 | 9278331700 | SOLENOID | |
| 3-20 | *9278331900 | ARM RVS | |
| 3-21 | 9278332000 | GEAR FF | |
| 3-22 | *9278332100 | ASSY ARM FR | |
| 3-23 | 9278332200 | ASSY PULLEY FR | |
| 3-24 | 9278332300 | BELT FR | |
| 3-25 | 9278332400 | METAL | |
| 3-26 | *9278332500 | ASSY FLYWHEEL L | |
| 3-27 | *9278332600 | METAL | |
| 3-28 | 9278332700 | ARM BRAKE | |
| 3-29 | 9278332800 | ASSY SUB REEL R | |
| 3-30 | 9278332900 | ARM TRIGER | |
| 3-31 | 9278333000 | GEAR CAM | |
| 3-32 | *9278333100 | METAL | |
| 3-33 | 9278333200 | ASSY FLYWHEEL R | |
| 3-34 | *9278333300 | METAL | |
| 3-36 | *9278333500 | HOLER WIRE | |
| 3-37 | *9278333600 | P.C.BOARD | |
| 3-38 | *9278333700 | SWITCH MODE | |
| 3-39 | *9278333800 | SWITCH LEAF | |
| 3-40 | *9278333900 | HALL IC. | |
| 3-41 | *9278334000 | BRACKET FW | |
| 3-43 | 9278334100 | ASSY MOTOR | |
| 3-45 | 9278334300 | BELT MAIN | |
| 3-46 | *9278334400 | P.C.BOARD | |
| 3-47 | *9278334500 | HOUSING | |
| 3-61 | *9278334600 | SPRING | |
| 3-62 | *9278334700 | SPRING | |
| 3-63 | *9278334800 | SPRING | |
| 3-64 | 9278334900 | SPRING | |
| 3-65 | *9278335000 | SPRING | |
| 3-66 | *9278335100 | SPRING | |
| 3-67 | *9278335200 | SPRING | |
| 3-68 | 9278335300 | SPRING | |
| 3-69 | *9278335400 | SPRING | |
| 3-70 | *9278335500 | SPRING | |
| 3-71 | *9278335600 | SPRING | |
| 3-72 | 9278335700 | SPRING | |
| 3-73 | *9278335800 | SPRING | |
| 3-81 | *9278335900 | SCREW | |
| 3-82 | *9278336000 | SCREW | |
| 3-83 | *9278336100 | SCREW | |
| 3-84 | *9278336200 | SCREW | |
| 3-85 | *9278336300 | SCREW | |
| 3-86 | *9278336400 | SCREW | |
| 3-87 | *9278154700 | SCREW | |
| 3-91 | *9278336600 | WASHER | |
| 3-92 | 9278336700 | WASHER | |

# 6 PC BOARDS AND PARTS LIST

基板図とパーツリスト

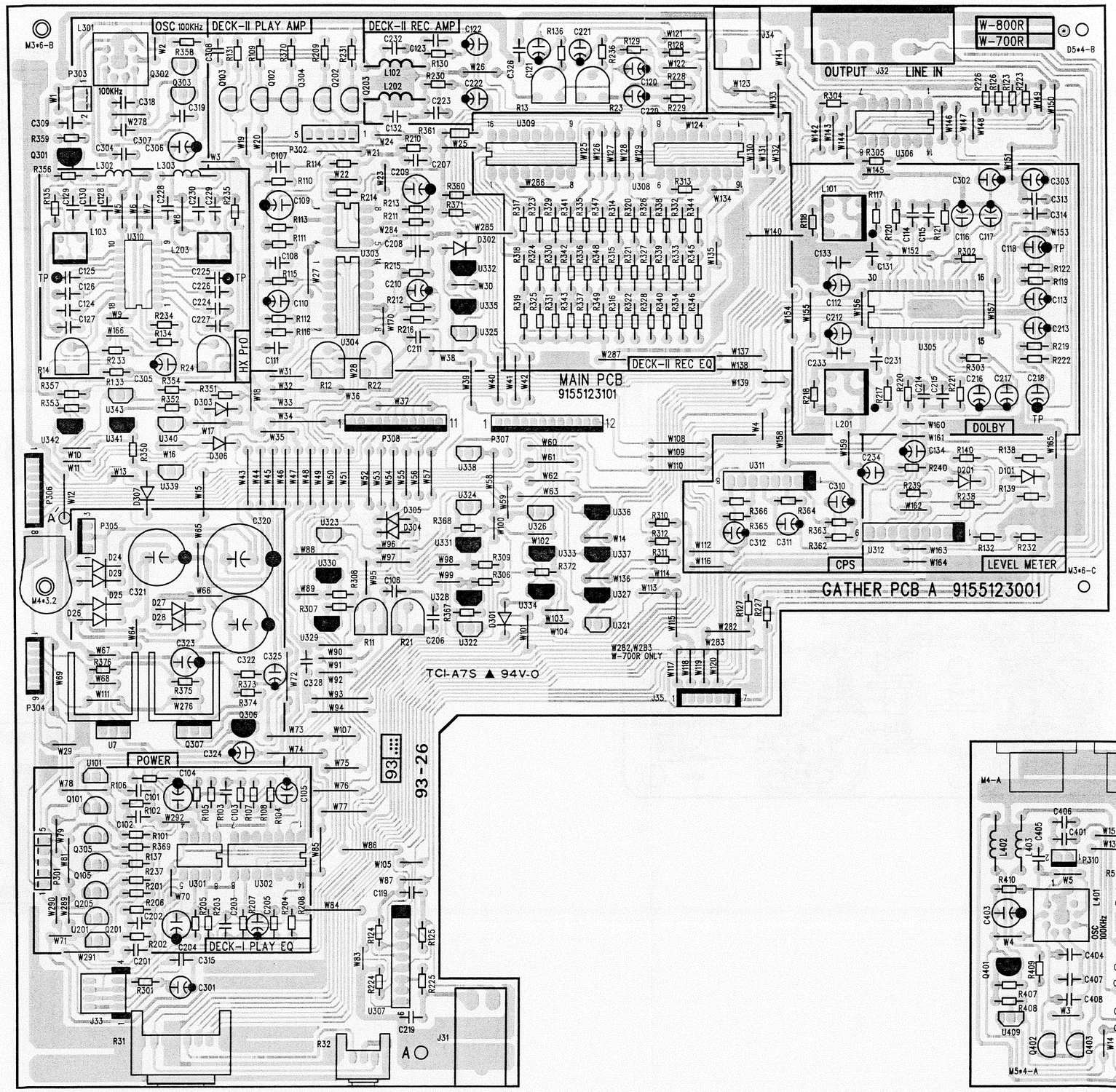
## MAIN PCB ASSY [W-800R]

| REF.NO. | | PARTS NO. | DESCRIPTION |
|---|---|---|---|
| | | *9145123102 | MAIN PCB ASSY (W-800R) |
| | | *9155123101 | MAIN PCB |
| | | 9781801000 | NUT, M9 |
| | | 9294005900 | WASHER, 9.1 |
| | | *9260069800 | HEAT SINK |
| | | 9783213008 | SCREW, BTT-B M3X8 |
| | | 9229021000 | EARTH PLATE (A) |
| C320 | ⚠ | 9117302000 | C, ELEC 3300UF/16V |
| C321 | ⚠ | 9117258000 | C, ELEC 1000UF/16V |
| C322 | ⚠ | 9117273510 | C, ELEC 2200UF/16V |
| D 24- 29 | ⚠ | 9165020550 | DIODE, 1N4003 |
| D101,201 | | 9165022150 | DIODE, 1SS133T |
| D301-307 | | 9165022150 | DIODE, 1SS133T |
| J 31 | | 9143327000 | PHONE JACK |
| J 32 | | 9143188000 | PIN JACK, 4P |
| J 33 | | 5336347400 | CONNECTOR SOCKET |
| J 34 | | 9143312000 | MINIATURE JACK |
| J 35 | | 9143337000 | CONNECTOR PLUG, 7P |
| L101,201 | | 9122019400 | LOW-PASS FILTER, MPX |
| L102,202 | | 9122019300 | COIL, 22MH |
| L103,203 | | 9173007700 | COIL, STEP UP |
| L301 | | 9173008200 | COIL, OSC 100KHZ |
| L302,303 | | 9173006350 | COIL, 220UH |
| P304 | | 9143329000 | CONNECTOR PLUG, 6P |
| P305 | | 9143171000 | CONNECTOR PLUG, 3P |
| P306 | | 9143325000 | CONNECTOR PLUG, 8P |
| P307 | | 9143240000 | CONNECTOR PLUG, 12P |
| P308 | | 9143239000 | CONNECTOR PLUG, 11P |
| Q101,201 | | 9163309420 | TR, 2SC1815GR |
| Q102,202 | | 9163309420 | TR, 2SC1815GR |
| Q103,203 | | 9163311520 | TR, 2SC2240GR |
| Q105,205 | | 9163311520 | TR, 2SC2240GR |
| Q301 | | 9163009920 | TR, 2SA1015GR |
| Q302,303 | | 9163309420 | TR, 2SC1815GR |
| Q304,305 | | 9163311520 | TR, 2SC2240GR |
| Q307 | ⚠ | 5220432900 | IC, M5F79M07L |
| R 11, 21 | | 9112059810 | VR, SEMI-FIXED 10K(B) |
| R 12, 22 | | 9112059810 | VR, SEMI-FIXED 10K(B) |
| R 13, 23 | | 9112057010 | VR, SEMI-FIXED 22K(B) |
| R 14, 24 | | 9112059810 | VR, SEMI-FIXED 10K(B) |
| R 31 | | 9172021700 | VR, 50KAX2 |
| R 32 | | 9172021300 | VR, 100KWX1 |
| U 7 | ⚠ | 5220432200 | IC, M5F78M07L |
| U101,201 | | 9163310420 | TR, DTC124ES |
| U301,303 | | 9167014000 | IC, UPC4570C |
| U302,304 | | 9167009800 | IC, TC4066BP |
| U305 | | 9167019200 | IC, CXA1331S |
| U306 | | 9167009800 | IC, TC4066BP |
| U307 | | 9167012100 | IC, NJM4558S |
| U308 | | 9167019600 | IC, CXA1198AP |
| U309 | | 9167018900 | IC, BU4051B |
| U310 | | 9167012800 | IC, UPC1297CA |
| U311 | | 5220426200 | IC, M51143AL |
| U312 | | 9167012100 | IC, NJM4558S |
| U321-326 | | 9163310420 | TR, DTC124ES |
| U327-337 | | 9163011220 | TR, DTA124ES |
| U338-340 | | 9163310420 | TR, DTC124ES |
| U341,342 | | 9163011220 | TR, DTA124ES |
| U343 | | 9163310420 | TR, DTC124ES |

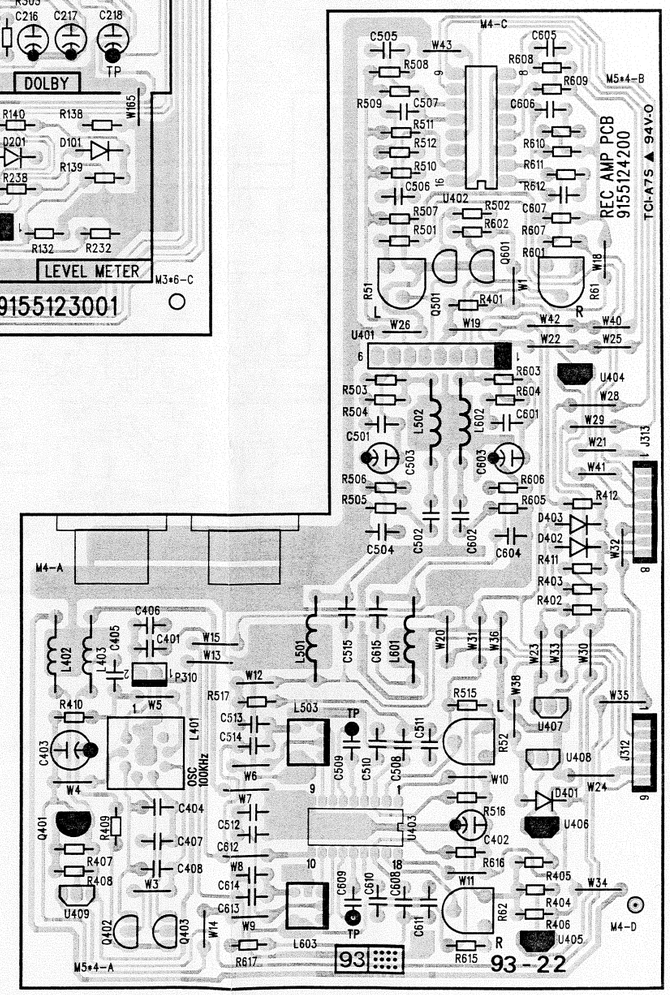
## MAIN PCB ASSY [W-700R]

| REF.NO. | | PARTS NO. | DESCRIPTION |
|---|---|---|---|
| | | *9145123113 | MAIN PCB ASSY (W-700R) |
| | | *9155123101 | MAIN PCB |
| | | 9781801000 | NUT, M9 |
| | | 9294005900 | WASHER, 9.1 |
| | | *9260069800 | HEAT SINK |
| | | 9783213008 | SCREW, BTT-B M3X8 |
| | | 9229021000 | EARTH PLATE (A) |
| C320 | ⚠ | 9117302000 | C, ELEC 3300UF/16V |
| C321 | ⚠ | 9117258000 | C, ELEC 1000UF/16V |
| C322 | ⚠ | 9117273510 | C, ELEC 2200UF/16V |
| D 24- 29 | ⚠ | 9165020550 | DIODE, 1N4003 |
| D101,201 | | 9165022150 | DIODE, 1SS133T |
| D302-307 | | 9165022150 | DIODE, 1SS133T |
| J 31 | | 9143327000 | PHONE JACK |
| J 32 | | 9143188000 | PIN JACK, 4P |
| J 33 | | 5336347400 | CONNECTOR SOCKET |
| J 34 | | 9143312000 | MINIATURE JACK |
| L101,201 | | 9122019400 | LOW-PASS FILTER, MPX |
| L102,202 | | 9122019300 | COIL, 22MH |
| L103,203 | | 9173007700 | COIL, STEP UP |
| L301 | | 9173008200 | COIL, OSC 100KHZ |
| L302,303 | | 9173006350 | COIL, 220UH |
| P305 | | 9143171000 | CONNECTOR PLUG, 3P |
| P307 | | 9143240000 | CONNECTOR PLUG, 12P |
| P308 | | 9143239000 | CONNECTOR PLUG, 11P |
| Q102,202 | | 9163309420 | TR, 2SC1815GR |
| Q103,203 | | 9163311520 | TR, 2SC2240GR |
| Q301 | | 9163009920 | TR, 2SA1015GR |
| Q302,303 | | 9163309420 | TR, 2SC1815GR |
| Q304 | | 9163311520 | TR, 2SC2240GR |
| Q307 | ⚠ | 5220432900 | IC, M5F79M07L |
| R 11, 21 | | 9112059810 | VR, SEMI-FIXED 10K(B) |
| R 12, 22 | | 9112059810 | VR, SEMI-FIXED 10K(B) |
| R 13, 23 | | 9112057010 | VR, SEMI-FIXED 22K(B) |
| R 14, 24 | | 9112059810 | VR, SEMI-FIXED 10K(B) |
| R 31 | | 9172021700 | VR, 50KAX2 |
| R 32 | | 9172021300 | VR, 100KWX1 |
| U 7 | ⚠ | 5220432200 | IC, M5F78M07L |
| U101,201 | | 9163310420 | TR, DTC124ES |
| U301,303 | | 9167014000 | IC, UPC4570C |
| U302,304 | | 9167009800 | IC, TC4066BP |
| U305 | | 9167019200 | IC, CXA1331S |
| U306 | | 9167009800 | IC, TC4066BP |
| U307 | | 9167012100 | IC, NJM4558S |
| U308 | | 9167019600 | IC, CXA1198AP |
| U309 | | 9167018900 | IC, BU4051B |
| U310 | | 9167012800 | IC, UPC1297CA |
| U312 | | 9167012100 | IC, NJM4558S |
| U321-325 | | 9163310420 | TR, DTC124ES |
| U327-332 | | 9163011220 | TR, DTA124ES |
| U335-337 | | 9163011220 | TR, DTA124ES |
| U338-340 | | 9163310420 | TR, DTC124ES |
| U341,342 | | 9163011220 | TR, DTA124ES |
| U343 | | 9163310420 | TR, DTC124ES |

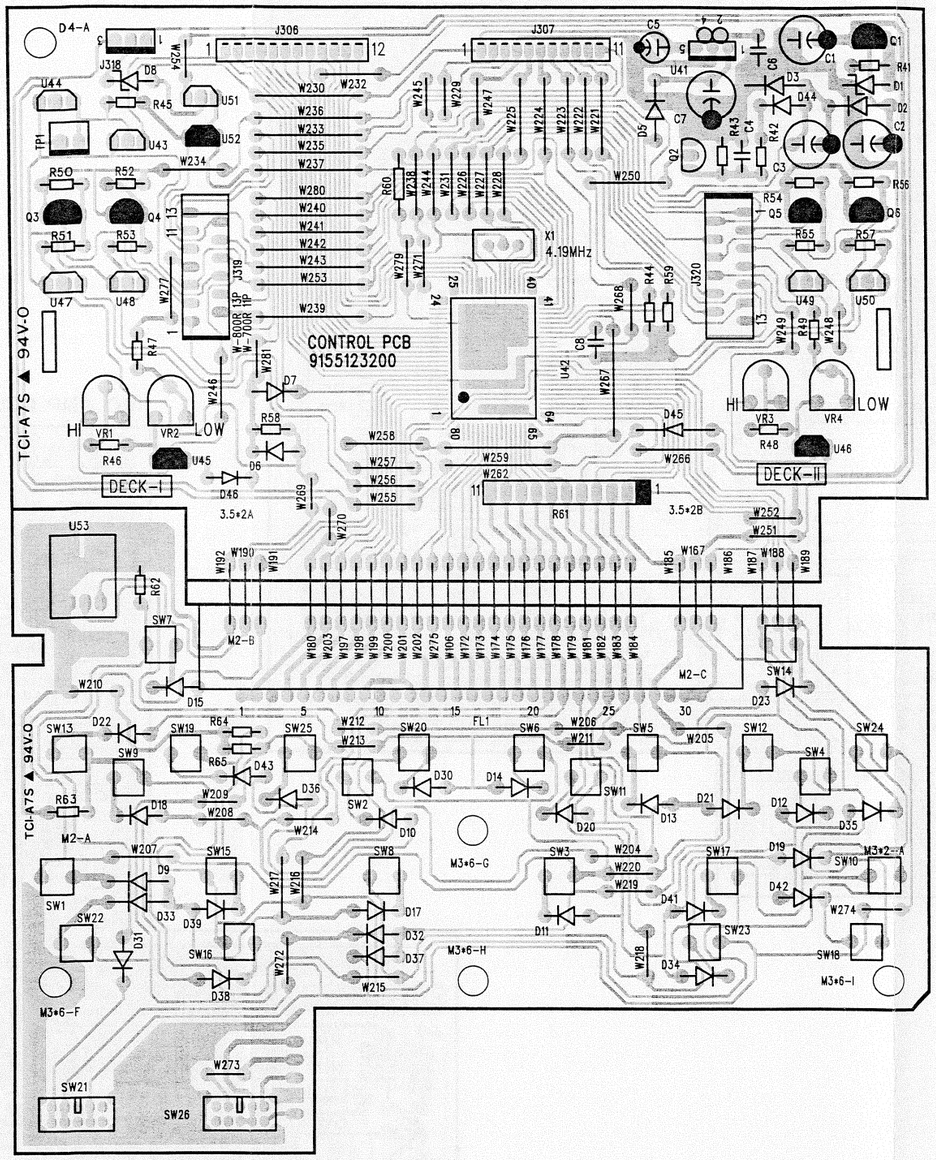
## MAIN PCB



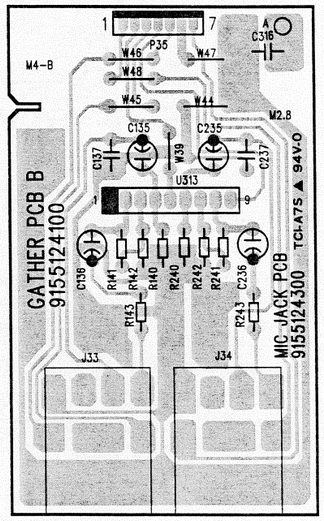

## REC AMP PCB



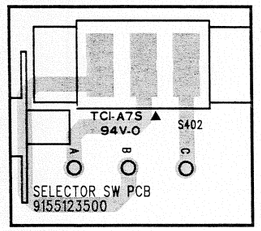
## CONTROL PCB



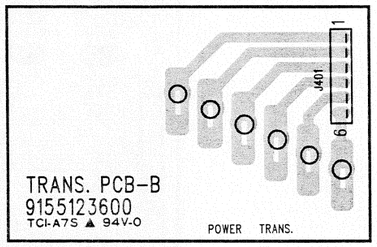

## MIC JACK PCB



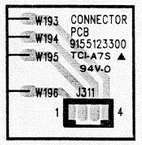

## SELECTOR SW PCB



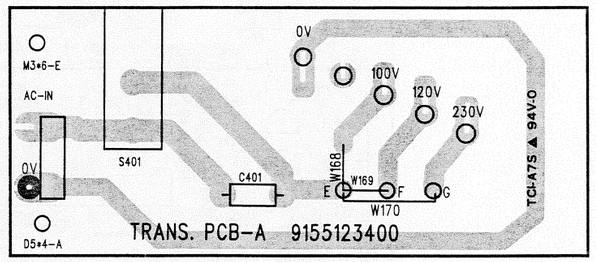

## TRANS. PCB B




## CONNECTOR PCB




## TRANS. PCB A



## REC AMP PCB ASSY [W-800R]

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145123800 | REC AMP PCB ASSY |
| | *9155123800 | REC AMP PCB |
| D401-403 | 9165022150 | DIODE, ISS133T |
| J312 | 9143334000 | CONNECTOR SOCKET, 6P |
| J313 | 9143324000 | CONNECTOR PLUG, 8P |
| L401 | 9173008200 | COIL, OSC 100KHZ |
| L402,403 | 9173006350 | COIL, 220UH |
| L501,601 | 9122019300 | COIL, 22MH |
| L502,602 | 9122018910 | COIL, 8.2MH |
| L503,603 | 9173007700 | COIL, STEP UP |
| P310 | 9143170000 | CONNECTOR PLUG, 2P |
| Q401 | 9163009920 | TR, 2SA1015GR |
| Q402,403 | 9163309420 | TR, 2SC1815GR |
| Q501,601 | 9163310620 | TR, 2SC2878A |
| R 51, 61 | 9112057010 | VR, SEMI-FIXED 22K(B) |
| R 52, 62 | 9112059810 | VR, SEMI-FIXED 10K(B) |
| U401 | 9167012100 | IC, NJM4558S |
| U402 | 9167019800 | IC, BU4052B |
| U403 | 9167012800 | IC, UPC1297CA |
| U404-406 | 9163011220 | TR, DTA124ES |
| U407-409 | 9163310420 | TR, DTC124ES |

## CONTROL PCB ASSY [W-800R]

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145123201 | CONTROL PCB ASSY (W-800R) |
| | *9155123200 | CONTROL PCB |
| | *9260184201 | FL SPACER, L |
| | *9260185201 | FL SPACER, R |
| D 1 | 9166051550 | DIODE, ZENER MTZJ27B |
| D 2, 3 | ⚠ 9165020550 | DIODE, 1N4003 |
| D 5 | 9165020550 | DIODE, 1N4003 |
| D 6, 7 | 9165022150 | DIODE, ISS133T |
| D 8 | 9166051650 | DIODE, ZENER MTZJ3.9B |
| D 9- 15 | 9165022150 | DIODE, ISS133T |
| D 17- 23 | 9165022150 | DIODE, ISS133T |
| D 30- 39 | 9165022150 | DIODE, ISS133T |
| D 41- 46 | 9165022150 | DIODE, ISS133T |
| FL 1 | 9174015700 | FL DISPLAY, BJ-185GKB |
| J318 | 9143171000 | CONNECTOR PLUG, 3P |
| J319,320 | 9143333000 | WIRE CONNECTOR, 13P |
| Q 1 | ⚠ 9163009920 | TR, 2SA1015GR |
| Q 2 | 9163309420 | TR, 2SC1815GR |
| Q 3- 6 | 9163011620 | TR, 2SA1020Y |
| R 61 | 9111252000 | RESISTOR ARRAY, 100KX10 |
| SW 1- 20 | 9136001820 | SW, TACT |
| SW21, 26 | 9135033200 | SW, SLIDE |
| SW22- 25 | 9136001820 | SW, TACT |
| TP 1 | 9160013000 | TP PIN, 2P |
| U 41 | 9167018500 | IC, L78LR05D-MA |
| U 42 | 9167023600 | IC, UPD78042GF-046 |
| U 43, 44 | 9163310420 | TR, DTC124ES |
| U 45, 46 | 9163011220 | TR, DTA124ES |
| U 47- 51 | 9163310420 | TR, DTC124ES |
| U 52 | 9163011220 | TR, DTA124ES |
| U 53 | 5292211000 | REMOTE CONT. MODULE |
| VR 1- 4 | 9112059910 | VR, SEMI-FIXED 2.2K(B) |
| X 1 | 5347017700 | OSC, CERAMIC |

## CONTROL PCB ASSY [W-700R]

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145123211 | CONTROL PCB ASSY (W-700R) |
| | *9155123200 | CONTROL PCB |
| | *9260184201 | FL SPACER, L |
| | *9260185201 | FL SPACER, R |
| D 1 | 9166051550 | DIODE, ZENER MTZJ27B |
| D 2, 3 | ⚠ 9165020550 | DIODE, 1N4003 |
| D 5 | 9165020550 | DIODE, 1N4003 |
| D 6, 7 | 9165022150 | DIODE, ISS133T |
| D 8 | 9166051650 | DIODE, ZENER MTZJ3.9B |
| D 9- 13 | 9165022150 | DIODE, ISS133T |
| D 15 | 9165022150 | DIODE, ISS133T |
| D 17- 21 | 9165022150 | DIODE, ISS133T |
| D 23 | 9165022150 | DIODE, ISS133T |
| D 34- 36 | 9165022150 | DIODE, ISS133T |
| D 39 | 9165022150 | DIODE, ISS133T |
| D 41- 46 | 9165022150 | DIODE, ISS133T |
| FL 1 | 9174015700 | FL DISPLAY, BJ-185GKB |
| J318 | 9143171000 | CONNECTOR PLUG, 3P |
| J319 | 9143332000 | WIRE CONNECTOR, 11P |
| J320 | 9143333000 | WIRE CONNECTOR, 13P |
| Q 1 | ⚠ 9163009920 | TR, 2SA1015GR |
| Q 2 | 9163309420 | TR, 2SC1815GR |
| Q 3- 6 | 9163011620 | TR, 2SA1020Y |
| R 61 | 9111252000 | RESISTOR ARRAY, 100KX10 |
| SW 1- 5 | 9136001820 | SW, TACT |
| SW 7- 12 | 9136001820 | SW, TACT |
| SW14, 15 | 9136001820 | SW, TACT |
| SW17- 19 | 9136001820 | SW, TACT |
| SW21, 26 | 9135033200 | SW, SLIDE |
| SW23- 25 | 9136001820 | SW, TACT |
| TP 1 | 9160013000 | TP PIN, 2P |
| U 41 | 9167018500 | IC, L78LR05D-MA |
| U 42 | 9167023600 | IC, UPD78042GF-046 |
| U 43, 44 | 9163310420 | TR, DTC124ES |
| U 45, 46 | 9163011220 | TR, DTA124ES |
| U 47- 51 | 9163310420 | TR, DTC124ES |
| U 52 | 9163011220 | TR, DTA124ES |
| U 53 | 5292211000 | REMOTE CONT. MODULE |
| VR 1- 4 | 9112059910 | VR, SEMI-FIXED 2.2K(B) |
| X 1 | 5347017700 | OSC, CERAMIC |

## MIC JACK PCB ASSY [W-800R]

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145124300 | MIC JACK PCB ASSY |
| | *9155124300 | MIC JACK PCB |
| J 33, 34 | 9143281010 | MIC JACK |
| P 35 | 9143335000 | CONNECTOR SOCKET, 7P |
| U313 | 9167012100 | IC, NJM4558S |

## CONNECTOR PCB ASSY

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145123300 | CONNECTOR PCB ASSY |
| | *9155123300 | CONNECTOR PCB |
| J311 | 5336349400 | CONNECTOR PLUG, 4P |

## SELECTOR SW PCB ASSY

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145123500 | SELECTOR SW PCB ASSY [GE] |
| | *9155123500 | SELECTOR SW PCB |
| | ⚠ 9134010700 | SW, AC SELECTOR |

## TRANS. PCB B ASSY

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145123600 | TRANS PCB B ASSY |
| | *9155123600 | TRANS PCB B |

## TRANS. PCB A ASSY

| REF.NO. | PARTS NO. | DESCRIPTION |
|---|---|---|
| | *9145123400 | TRANS PCB A ASSY [US,C] |
| | *9145123410 | TRANS PCB A ASSY [E,UK,A] |
| | *9145123420 | TRANS PCB A ASSY [GE] |
| | *9145123430 | TRANS PCB A ASSY [J] |
| | *9155123400 | TRANS PCB A |
| | 5327009600 | TERMINAL LAPPING,2P[E,UK,A] |
| C401 | ⚠ 9120000100 | SPARK KILLER 0.0047UF/250V |
| S401 | ⚠ 9135028900 | SW, POWER |

***MEMO***

# W-800R/W-700R

TEAC®


## ティアック株式会社

| | | | | |
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| | | |
|---|---|---|
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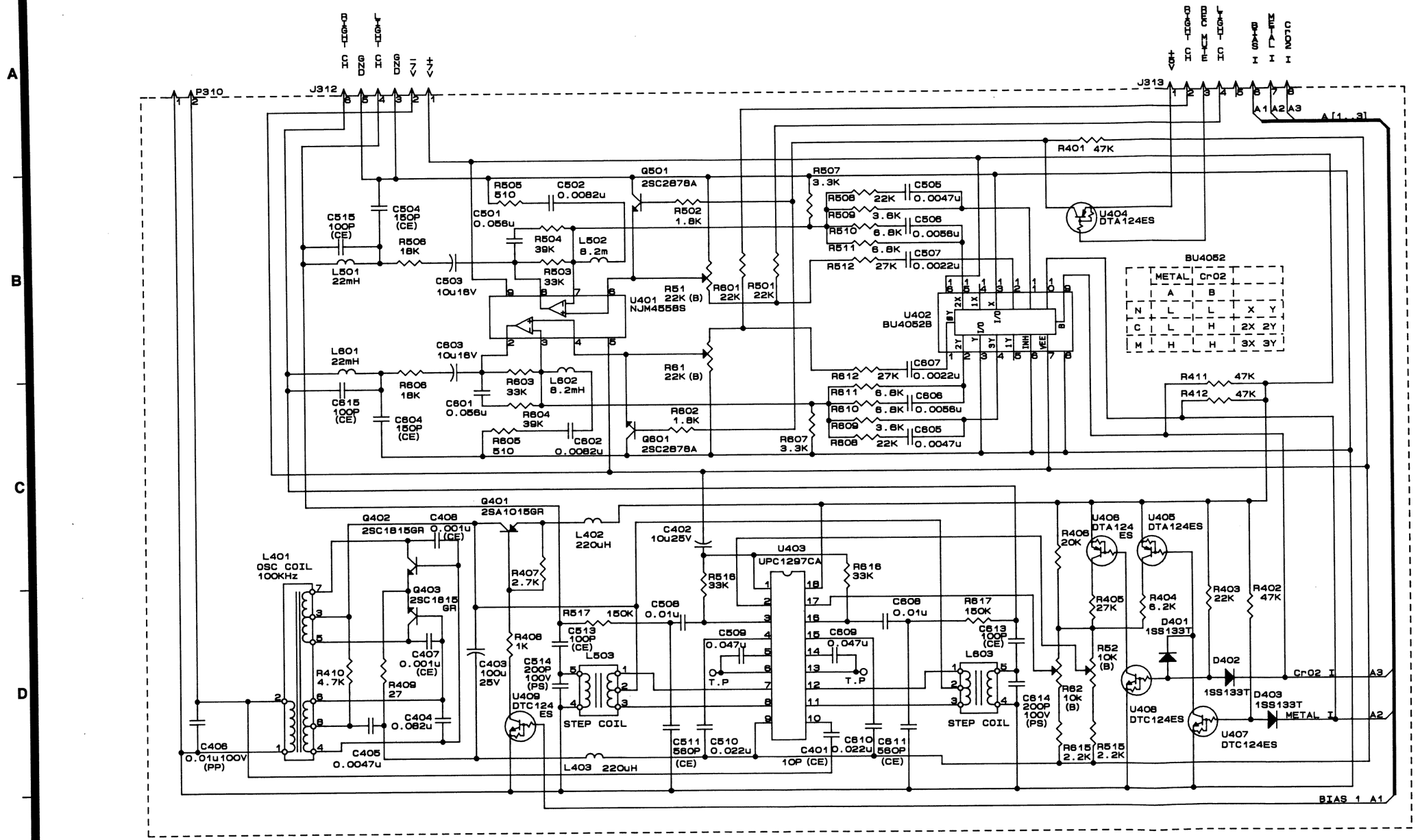
DC020 PRINTED IN JAPAN 0993SK 0.7 M-0868A




**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:**

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.

**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ィアック指定の部品を使用してください。

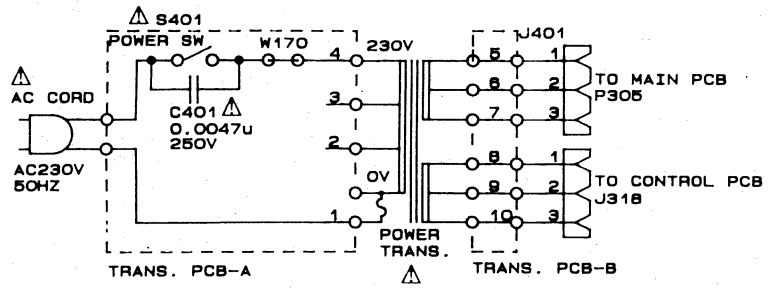
# W-800R

## Double Auto Reverse Cassette Deck

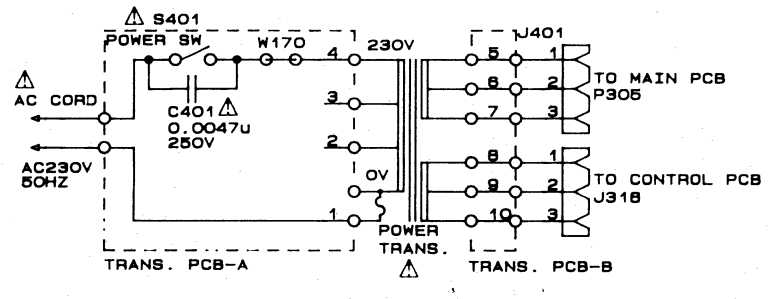
1 st Issue; September 1993

# TEAC SCHEMATIC DIAGRAM W-700R CONTROL SECTION

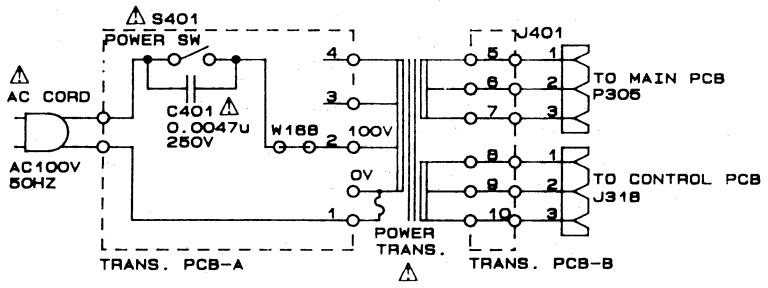
## EUR, AUS



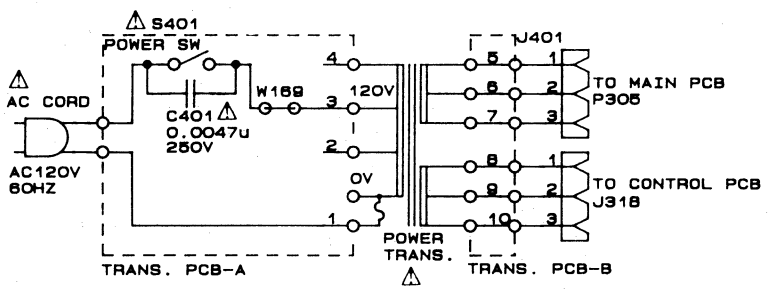

## UK



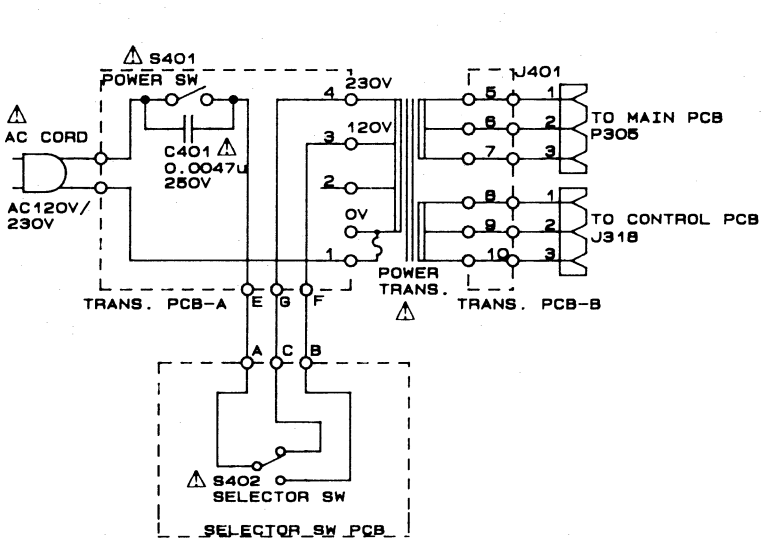

## JPN



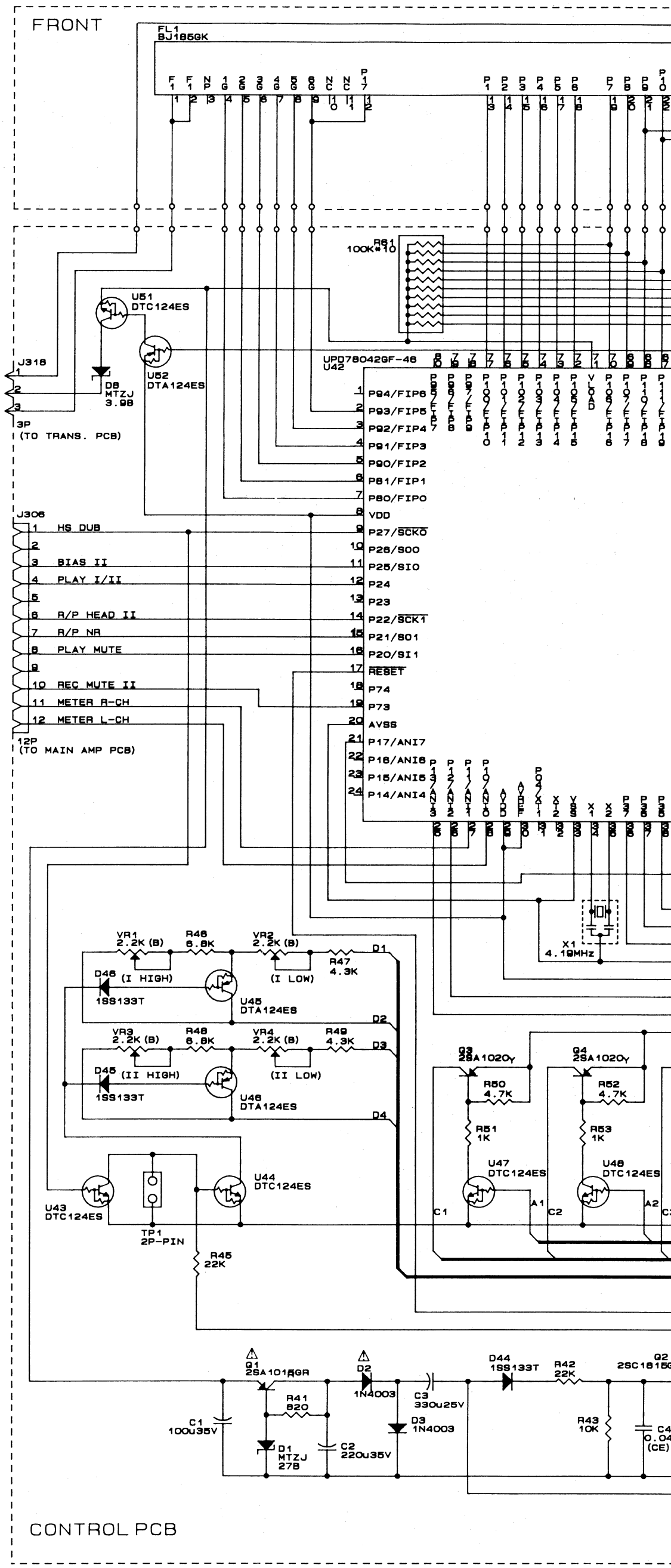

## USA, CND




## EX




## FRONT




CONTROL PCB

**INSTRUCTIONS FOR SERVICE PERSONNEL**

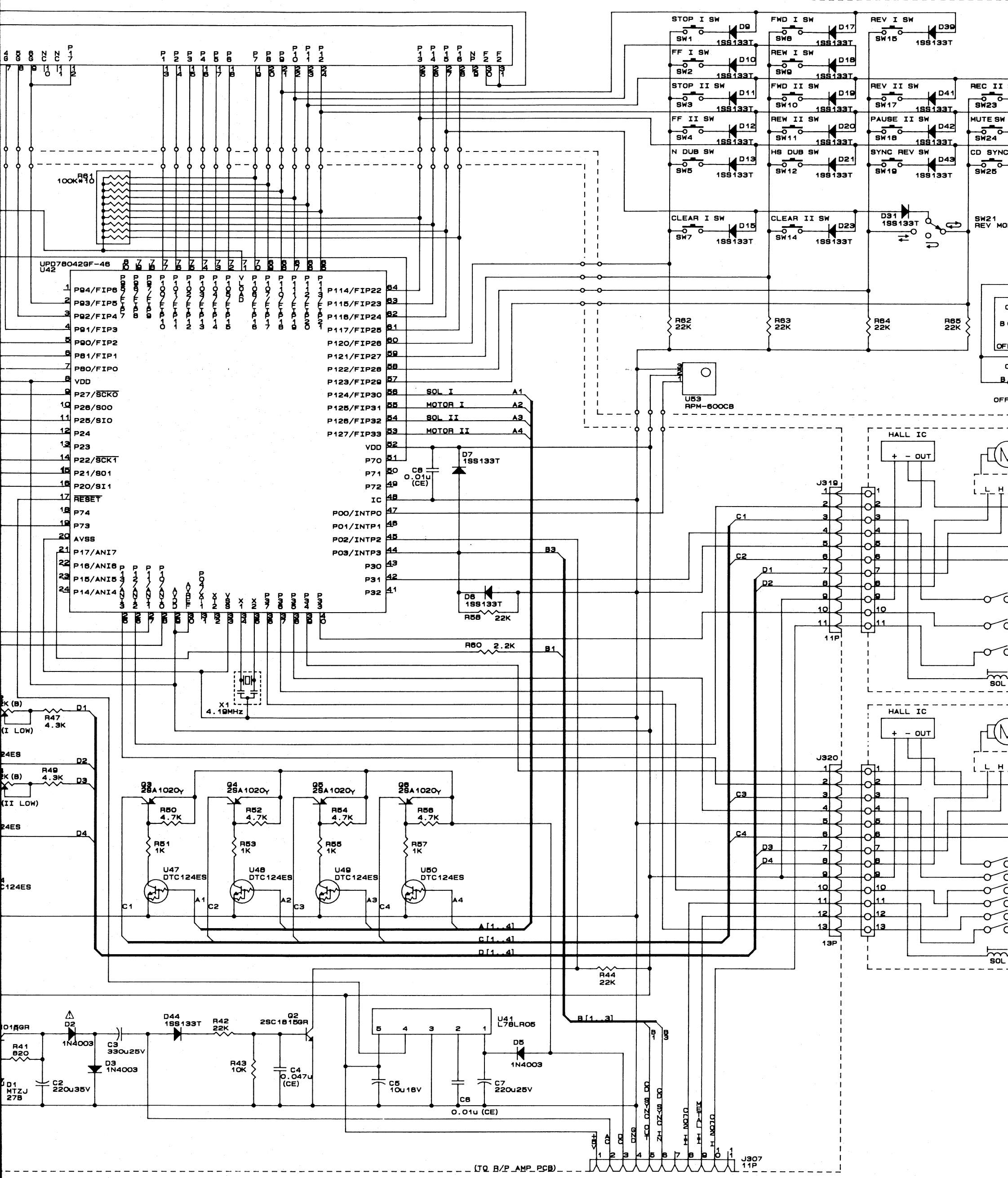
**BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.**

**NOTES:**

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.

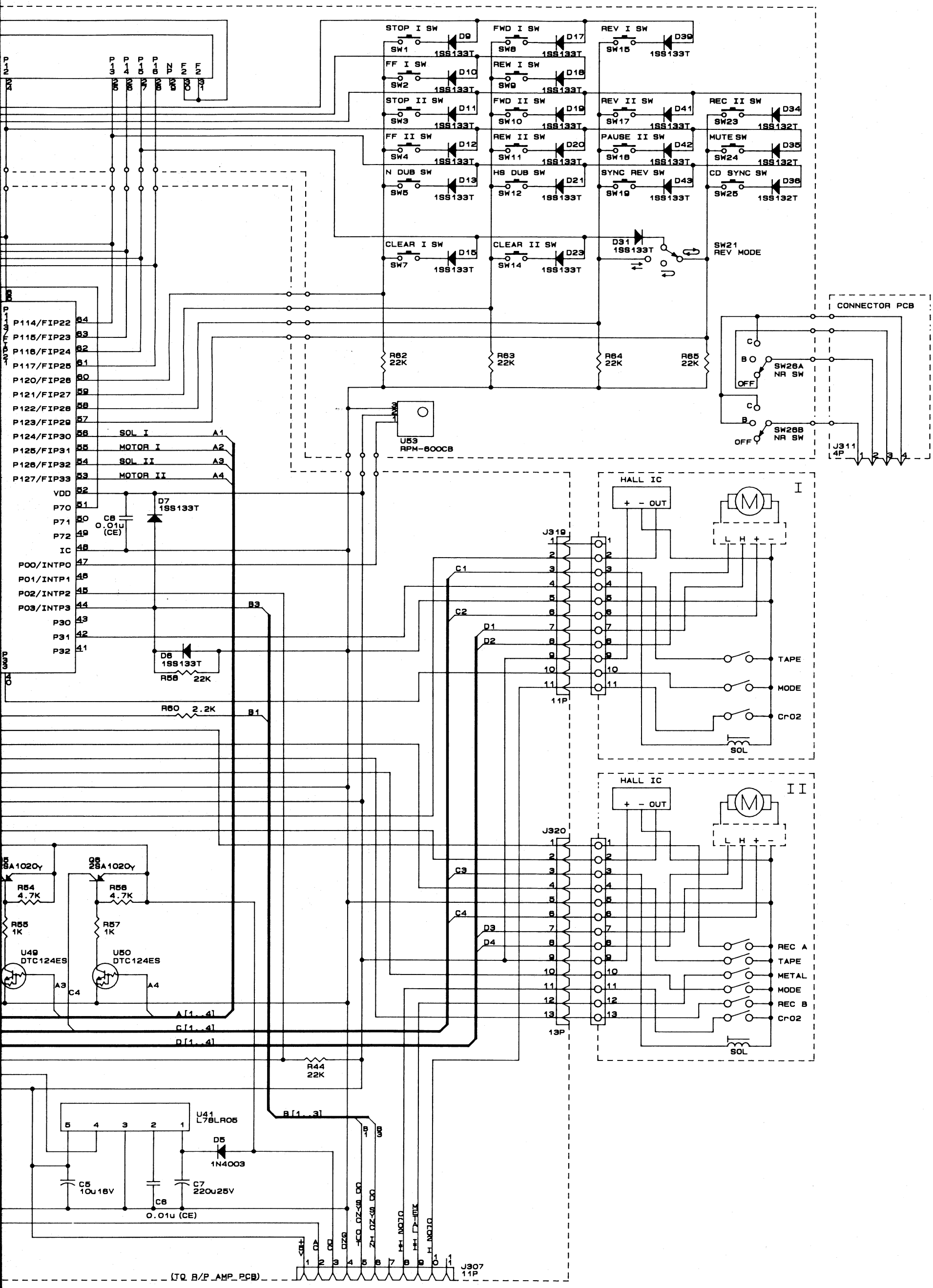
注意

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ィアック指定の部品を使用してください。




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ィアック指定の部品を使用してください。

**Double Auto**




# W-700R

## Double Auto Reverse Cassette Deck

1 st Issue; September 1993

# TEAC SCHEMATIC DIAGRAM W-700R R/P AMP SECTION

DECK I

PLAY HEAD L

PLAY HEAD R

P301 3P

U101 DTC124ES

U201 DTC124ES

U301 UPC4570C

U302 TC4066BP

U305 CXA1331S

DECK II

R/P HEAD L

R/P HEAD R

E HEAD

P302 5P

U303 UPC4570C

U304 TC4066BP

U306 CXA1198AP

U310 UPC1297CA

U321 DTC124ES

U322 DTC124ES

U323 DTC124ES

U324 DTC124ES

U325 DTC124ES

U326 DTA124ES

U327 DTA124ES

U328 DTA124ES

U329 DTA124ES

U330 DTA124ES

U331 DTA124ES

U332 DTA124ES

U335 DTA124ES

U343 DTC124 ES

L101 MPX

L201 MPX

L301 OSC 100KHz

L102 22mH

L202 22mH

L103 STEP UP COIL

L203 STEP UP COIL

L302 220uH

L303 220uH

D302 1SS133T

Q102 2SC1815 GR

Q202 2SC1815 GR

Q302 2SC1815 GR

Q103 2SC2240GR

Q203 2SC2240GR

Q304 2SC2240GR

Q303 2SC1815GR

Q301 2SA1015GR

P303 2P

R/P NR G4

R/P H.II G3

G1 I/II

Cr02 II

PLAY

INSTRUCTIONS FOR SERVICE PERSONNEL

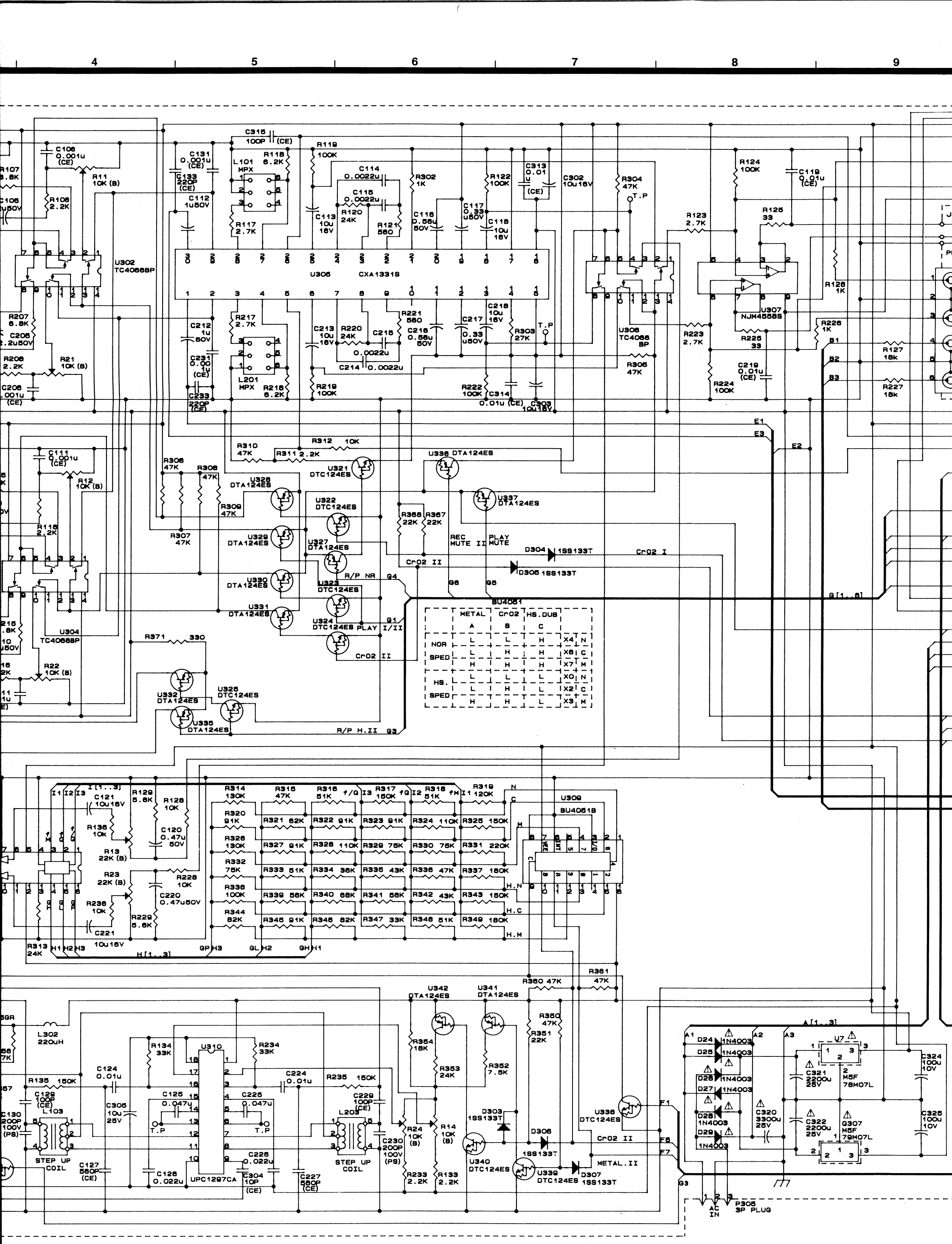
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

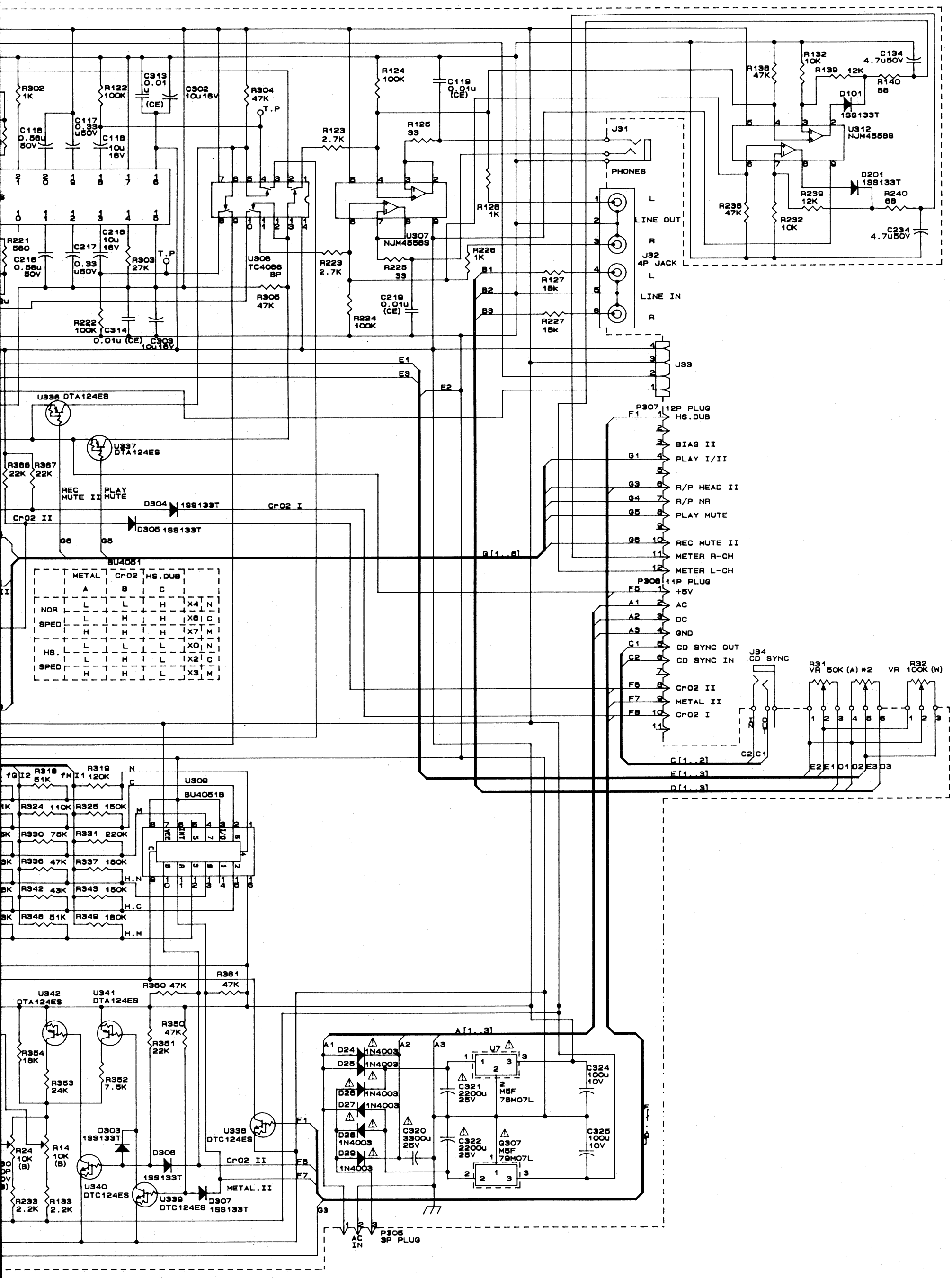
注意

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ィア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.


4
5
6
7
8
9
U302 TC4066BP
U304 TC4066BP
U305 CXA1331S
U306 TC4066 BP
U307 NJM4558S
U308 BU4051B
U309 BU4051B
L101 MPX
L201 MPX
L103
L203
L302 220uH
U310 UPC1297CA
STEP UP COIL
STEP UP COIL
U321 DTC124ES
U322 DTC124ES
U323 DTC124ES
U324 DTC124ES
U325 DTC124ES
U326 DTA124ES
U327 DTA124ES
U328 DTA124ES
U329 DTA124ES
U330 DTA124ES
U331 DTA124ES
U332 DTA124ES
U335 DTA124ES
U336 DTA124ES
U337 DTA124ES
U338 DTC124ES
U339 DTC124ES
U340 DTC124ES
U341 DTA124ES
U342 DTA124ES
D303 1SS133T
D304 1SS133T
D305 1SS133T
D306 1SS133T
D307 1SS133T
D24 1N4003
D25 1N4003
D26 1N4003
D27 1N4003
D28 1N4003
D29 1N4003
U7 M5F 78M07L
Q307 M5F 79M07L
C106 0.001u (CE)
C131 0.001u (CE)
C133 220P (CE)
C112 1u50V
C315 100P (CE)
R119 100K
R118 6.2K
R117 2.7K
C114 0.0022u
C115 0.0022u
R120 24K
R121 560
C113 10u 16V
C116 0.56u 50V
C117 0.33 u50V
C118 10u 16V
C313 0.01 u (CE)
C302 10u16V
R302 1K
R304 47K
T.P
R122 100K
R123 2.7K
R124 100K
C119 0.01u (CE)
R125 33
R126 1K
R223 2.7K
R225 33
R224 100K
C219 0.01u (CE)
R226 1K
R127 18k
R227 18k
B1
B2
B3
E1
E3
E2
C111 0.001u (CE)
R12 10K (B)
R108 2.2K
R107 3.8K
C105 u50V
R207 6.8K
C205 2.2u50V
R208 2.2K
R21 10K (B)
C206 .001u (CE)
R116 2.2K
R22 10K (B)
C212 1u 50V
C231 0.001u (CE)
C233 220P (CE)
R217 2.7K
R218 6.2K
C213 10u 16V
R220 24K
C215 0.0022u
C214 0.0022u
R221 560
C216 0.56u 50V
C218 10u 16V
C217 0.33 u50V
R303 27K
R219 100K
R222 100K
C314 0.01u (CE)
C303 10u16V
R305 47K
R310 47K
R311 2.2K
R312 10K
R308 47K
R309 47K
R307 47K
R368 22K
R367 22K
REC MUTE II
PLAY MUTE
Cr02 II
Cr02 I
R/P NR
R/P H.II
PLAY
R971 330
G1 I/II
G3
G4
G5
G6
G[1..8]
BU4051
METAL A
Cr02 B
HS.DUB C
NOR SPED
HS. SPED
X4 X6 X7 X0 X2 X3
N C M N C M
R361 47K
R360 47K
R350 47K
R351 22K
R354 18K
R353 24K
R352 7.5K
R24 10K (B)
R14 10K (B)
R233 2.2K
R133 2.2K
C124 0.01u
C305 10u 25V
C125 0.047u
C225 0.047u
C126 0.022u
C304 10P (CE)
C226 0.022u
C224 0.01u
C227 560P (CE)
C127 560P (CE)
C128 0.022u
C129 100P (CE)
C130 200P 100V (PS)
C230 200P 100V (PS)
C229 100P (CE)
R135 150K
R234 33K
R134 33K
T.P
T.P
F1
F6
F7
F8
METAL.II
A[1..3]
A1
A2
A3
C321 2200u 25V
C322 2200u 25V
C320 3300u 25V
C324 100u 10V
C325 100u 10V
AC IN
P305 3P PLUG
I[1..3]
I1 I2 I3
C121 10u16V
R129 5.6K
R128 10K
R136 10K
C120 0.47u 50V
R13 22K (B)
R23 22K (B)
R228 10K
R236 10K
C220 0.47u50V
R229 5.6K
C221 10u16V
R313 24K
H[1..3]
H1 H2 H3
GP H3
GL H2
GH H1
R314 130K
R315 47K
R316 51K f/Q
R317 150K fQ
R318 51K fM
R319 120K
I3 I2 I1
R320 91K
R321 62K
R322 91K
R323 91K
R324 110K
R325 150K
R326 130K
R327 91K
R328 110K
R329 75K
R330 75K
R331 220K
R332 75K
R333 51K
R334 36K
R335 43K
R336 47K
R337 180K
R338 100K
R339 56K
R340 68K
R341 56K
R342 43K
R343 150K
R344 82K
R345 91K
R346 82K
R347 33K
R348 51K
R349 180K
H.N
H.C
H.M
N
C
M
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.
M = MΩ）です。
= pF）です。
格重要部品です。
ク指定の部品を



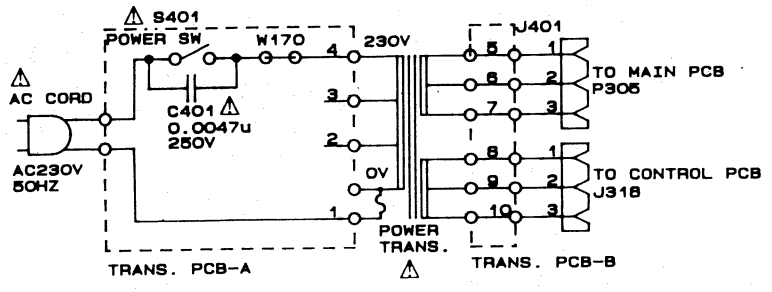

# W-700R

## Double Auto Reverse Cassette Deck

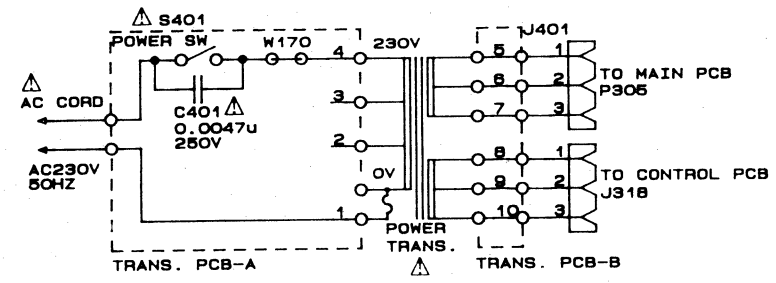
1 st Issue; September 1993

# TEAC SCHEMATIC DIAGRAM W-800R CONTROL SECTION

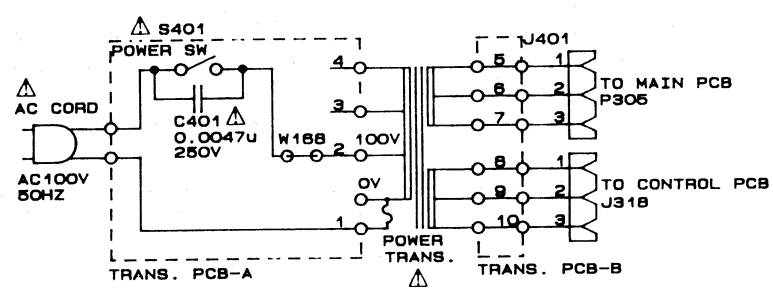
## EUR, AUS



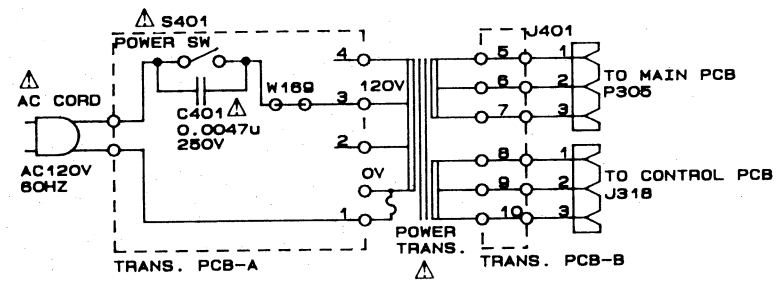

## UK



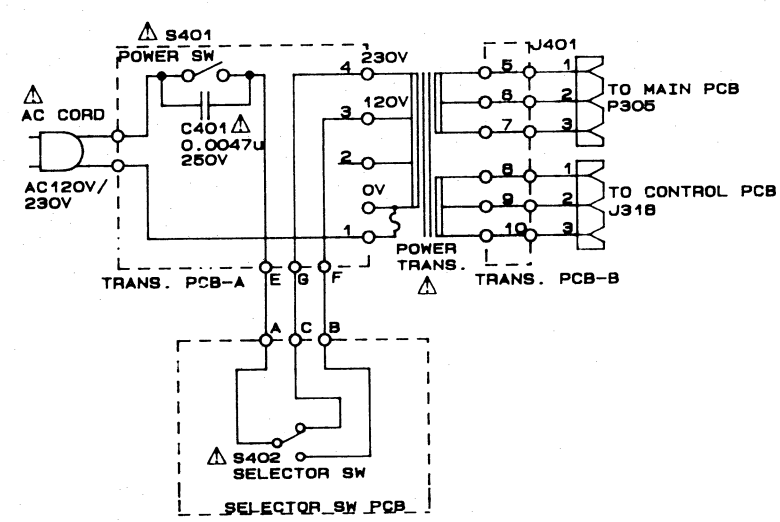

## JPN



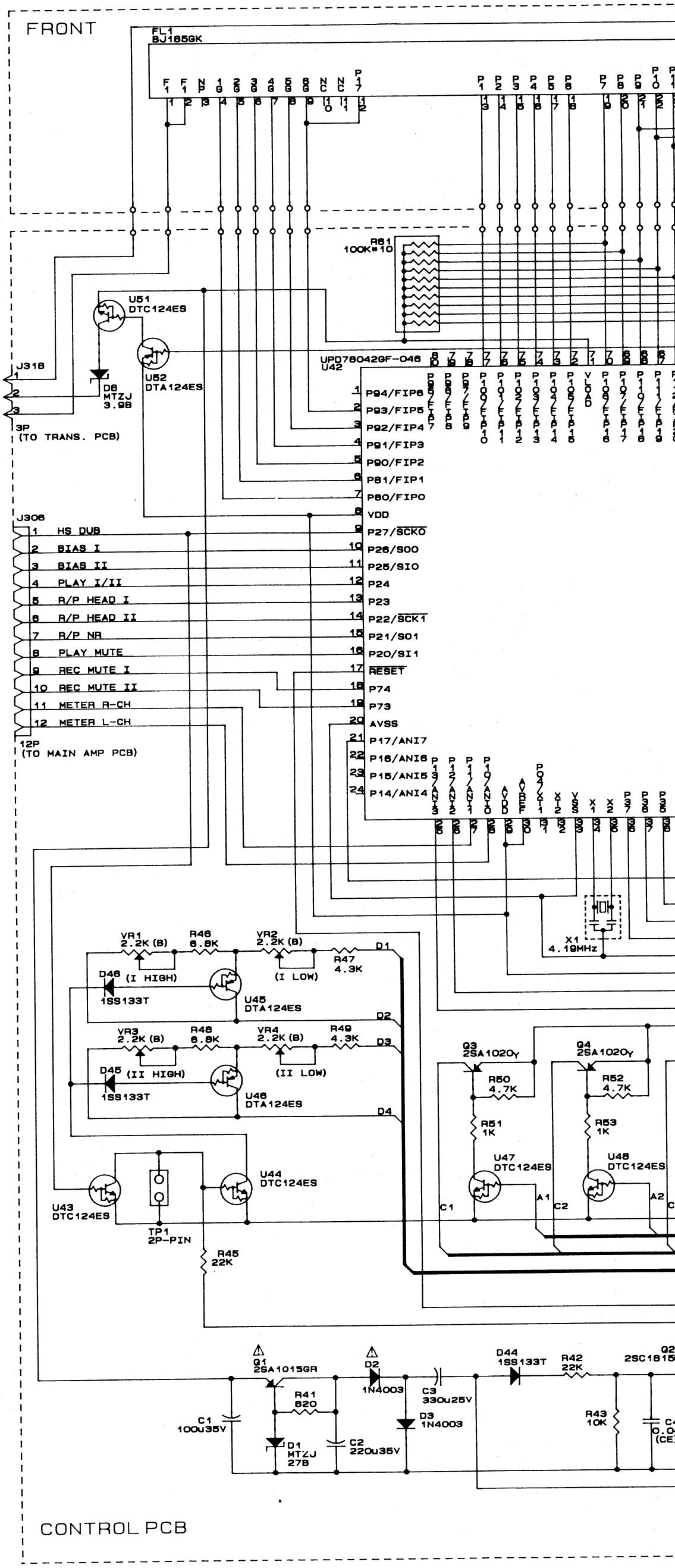

## USA, CND




## EX




## FRONT




CONTROL PCB

**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:**

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.

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ィアック指定の部品を使用してください。

FL1
BJ185GK

U42
UPD78042GF-046

U51
DTC124ES

U52
DTA124ES

R61
100K*10

STOP I SW SW1 D9 1SS133T
FWD I SW SW8 D17 1SS133T
REV SW1
FF I SW SW2 D10 1SS133T
REW I SW SW9 D18 1SS133T
PAUS SW1
STOP II SW SW3 D11 1SS133T
FWD II SW SW10 D19 1SS133T
REV
FF II SW SW4 D12 1SS133T
REW II SW SW11 D20 1SS133T
PAUS
N DUB SW SW5 D13 1SS133T
HS DUB SW SW12 D21 1SS133T
SYNC
PARA REC SW SW6 D14 1SS133T
INTRO CHECK SW SW13 D22 1SS133T
BLA
CLEAR I SW SW7 D15 1SS133T
CLEAR II SW SW14 D23 1SS133T

R62 22K
R63 22K

U53
RPM-600CB

P94/FIP6
P93/FIP5
P92/FIP4
P91/FIP3
P90/FIP2
P81/FIP1
P80/FIPO
VDD
P27/SCKO
P26/SOO
P25/SIO
P24
P23
P22/SCK1
P21/SO1
P20/SI1
RESET
P74
P73
AVSS
P17/ANI7
P16/ANI6
P15/ANI5
P14/ANI4

P114/FIP22
P115/FIP23
P116/FIP24
P117/FIP25
P120/FIP26
P121/FIP27
P122/FIP28
P123/FIP29
P124/FIP30
P125/FIP31
P126/FIP32
P127/FIP33
VDD
P70
P71
P72
IC
P00/INTPO
P01/INTP1
P02/INTP2
P03/INTP3
P30
P31
P32

SOL I A1
MOTOR I A2
SOL II A3
MOTOR II A4

R59 22K
D7 1SS133T
C8 0.01u (CE)
D6 1SS133T
R58 22K
R60 2.2K

B2
B3
B1

J319
C1
C2
D1
D2
13P

X1
4.19MHz

VR1 2.2K (B)
R46 6.8K
VR2 2.2K (B)
R47 4.3K
D1
(I HIGH)
(I LOW)
U45 DTA124ES
D2
VR3 2.2K (B)
R48 6.8K
VR4 2.2K (B)
R49 4.3K
D3
(II HIGH)
(II LOW)
U46 DTA124ES
D4

Q3 2SA1020Y
Q4 2SA1020Y
Q5 2SA1020Y
Q6 2SA1020Y
R50 4.7K
R52 4.7K
R54 4.7K
R56 4.7K
R51 1K
R53 1K
R55 1K
R57 1K
U47 DTC124ES
U48 DTC124ES
U49 DTC124ES
U50 DTC124ES
C1
A1
C2
A2
C3
A3
C4
A4

A[1..4]
C[1..4]
D[1..4]

J320
C3
C4
D3
D4
13P

U44 DTC124ES
TP1 2P-PIN
R45 22K
R44 22K

B[1..3]

Q1 2SA1015GR
D2 1N4003
C3 330u25V
D44 1SS133T
R42 22K
Q2 2SC1815GR
U41 L78LR05
D5 1N4003
R41 820
D3 1N4003
R43 10K
C4 0.047u (CE)
C1 100u35V
D1 MTZJ 27B
C2 220u35V
C5 10u16V
C6 0.01u (CE)
C7 220u25V

J307
11P
(TO R/P_AMP_PCB)

ROL PCB

n ohms (k=kilo-ohms, M=megohms).
in microfarads (p=picofarads).
this sign are safety critical components.
e replaced with identical components-refer
arts list and ensure exact replacement.

注意
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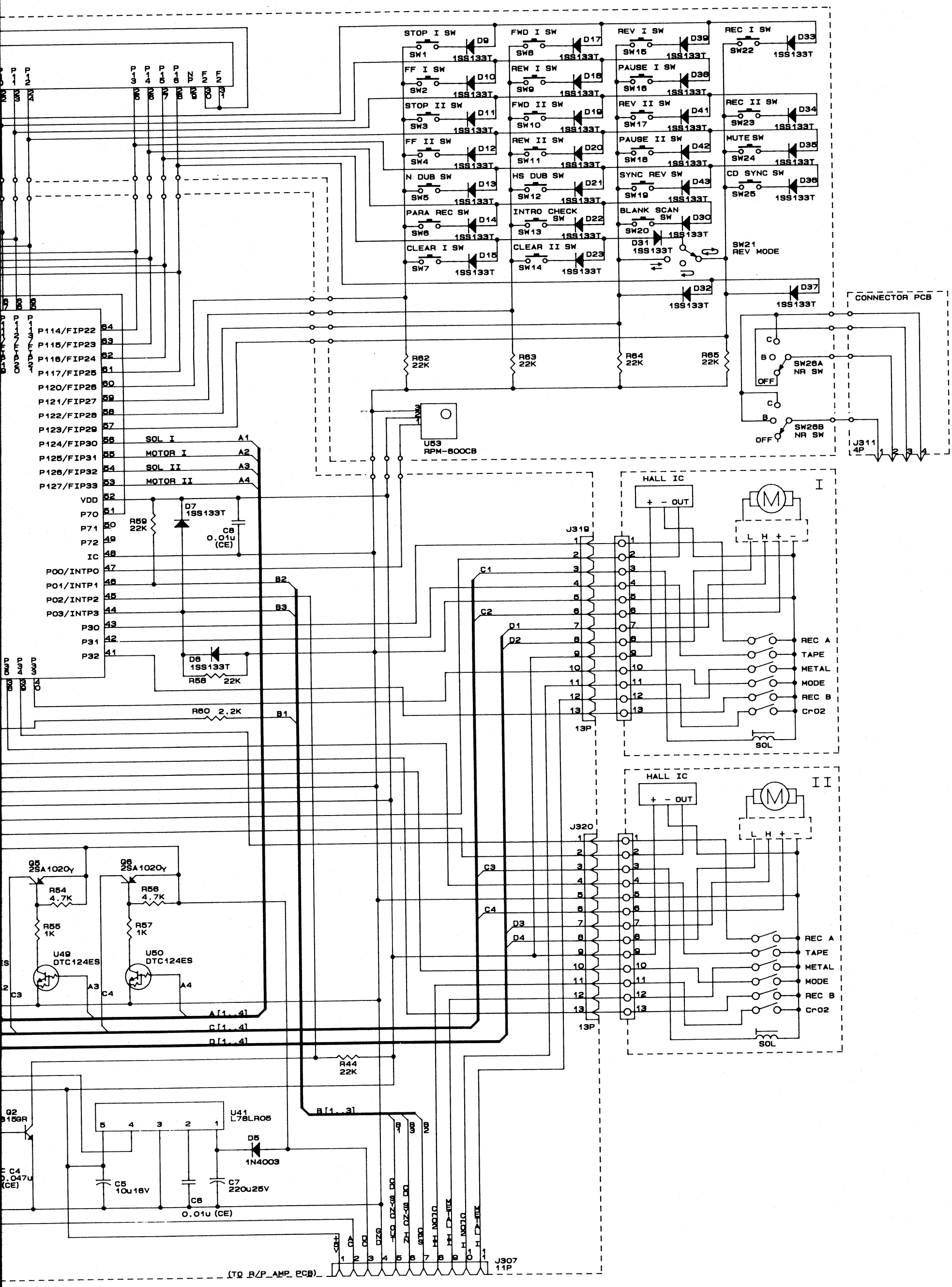


# W-800R

## Double Auto Reverse Cassette Deck

1 st Issue; September 1993

# TEAC SCHEMATIC DIAGRAM W-800R R/P AMP SECTION

DECK I

R/P HEAD L

R/P HEAD R

E HEAD

P310

P301 5P

DECK II

P302 5P

P303 2P

P304

Q101 2SC1815GR

U101 DTC124ES

Q102 2SC1815 GR

U201 DTC124ES

Q201 2SC1815 GR

Q202 2SC1815 GR

U303 UPC4570C

U301 UPC4570C

U304 TC4066BP

U302 TC4066BP

U305 CXA1331S

D301 1SS133T

D302 1SS133T

Q304 2SC2240GR

Q103 2SC2240GR

Q203 2SC2240GR

Q305 2SC2240GR

Q105 2SC2240GR

Q205 2SC2240GR

U308 CXA1198AP

Q301 2SA1015GR

Q302 2SC1815 GR

Q303 2SC1815GR

L301 OSC 100KHz

U343 DTC124 ES

L303 220uH

L302 220uH

U310 UPC1297CA

L101 MPX

L201 MPX

L102 22mH

L202 22mH

L103 STEP UP COIL

L203 STEP UP COIL

U321 DTC124ES

U328 DTA124ES

U322 DTC124ES

U329 DTA124ES

U327 DTA124ES

U330 DTA124ES

U323 DTC124ES

U331 DTA124ES

U324 DTC124ES

U333 DTA124ES

U326 DTC124ES

U332 DTA124ES

U325 DTC124ES

U334 DTA124ES

U335 DTA124ES

R/P NR G4

PLAY I/II

Cr02 II

R/P H.I G2

R/P H.II G3

**INSTRUCTIONS FOR SERVICE PERSONNEL**

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注意

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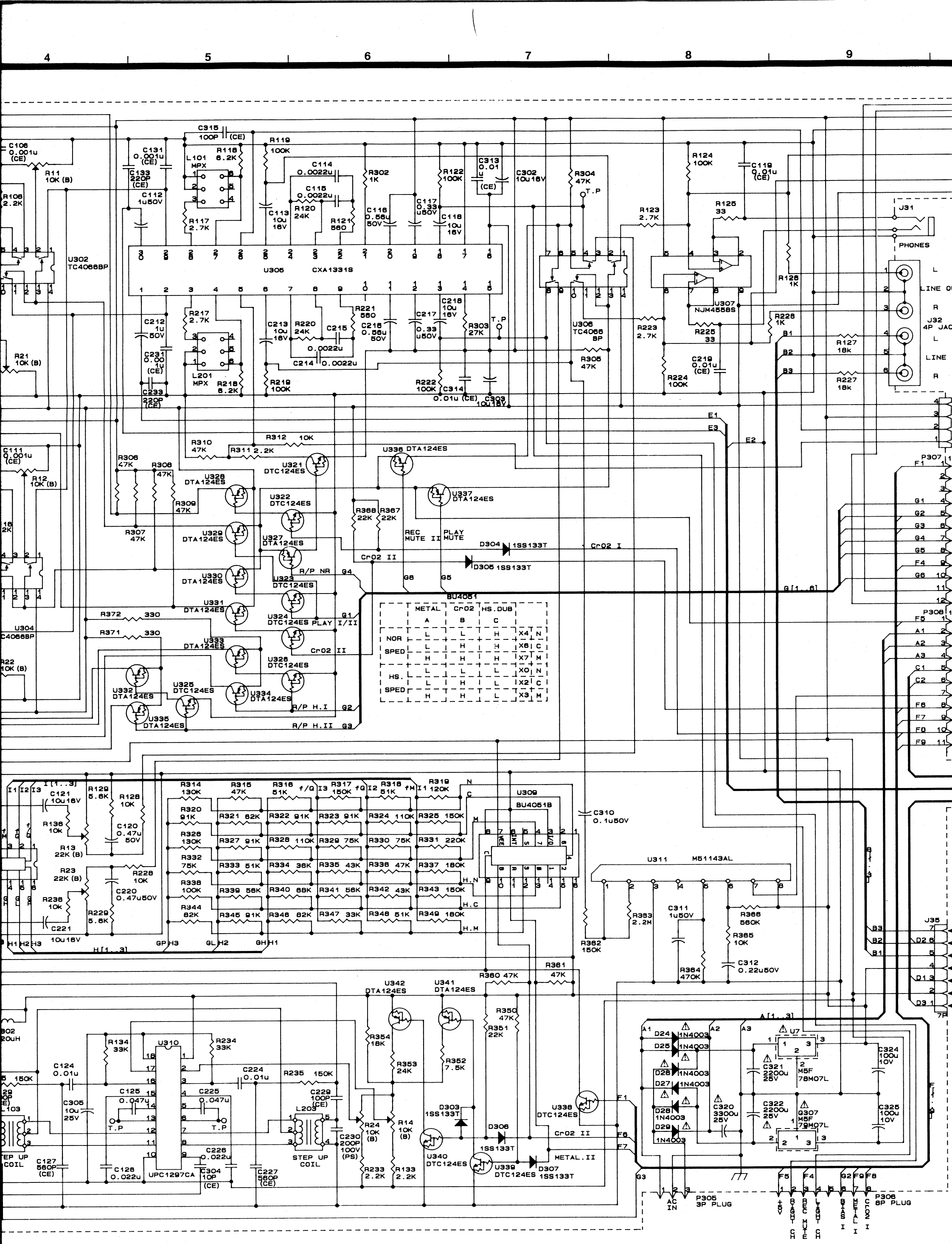


**NOTES:**

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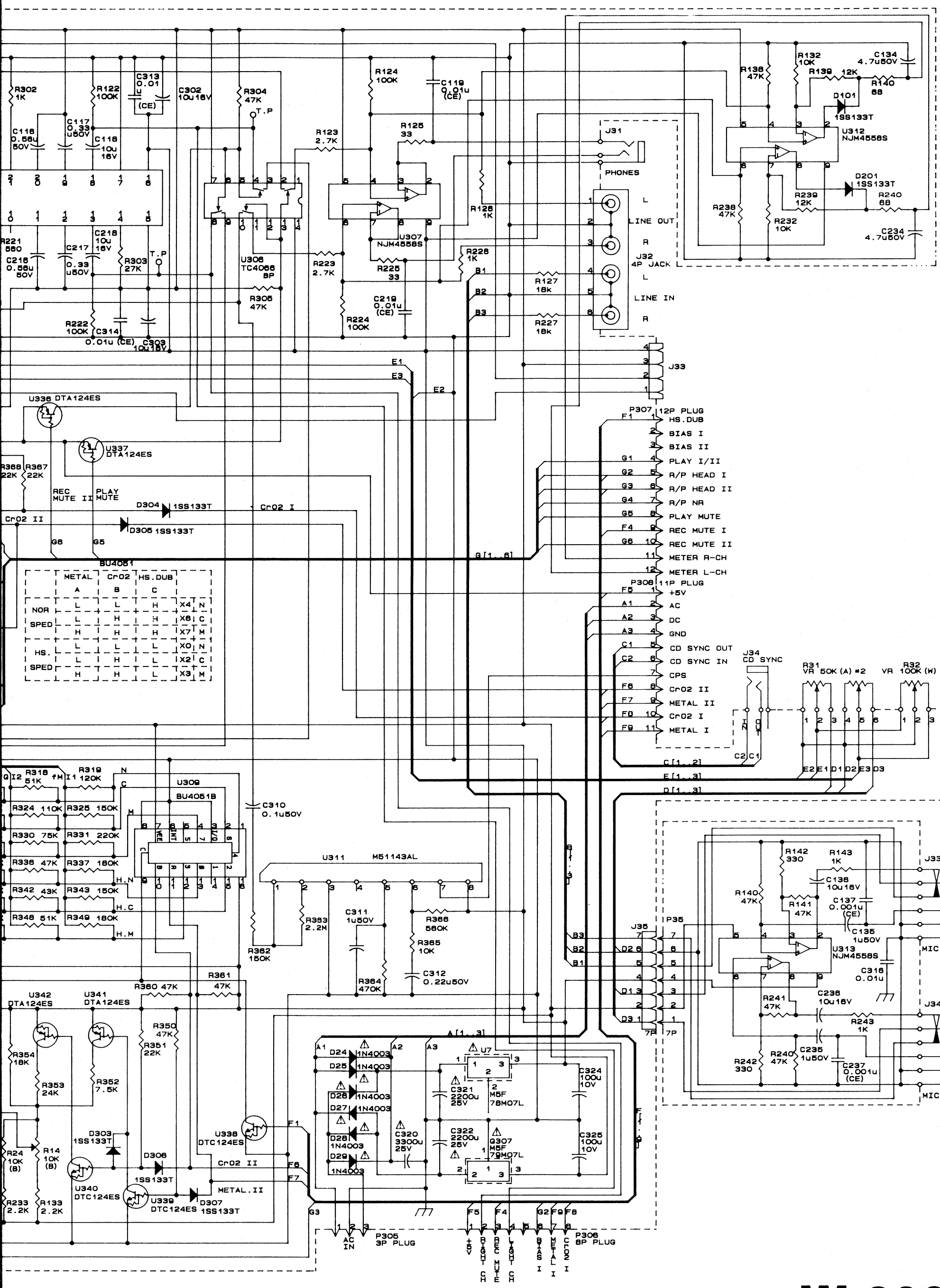
Dou




# W-800R

## Double Auto Reverse Cassette Deck

1 st Issue; September 1993