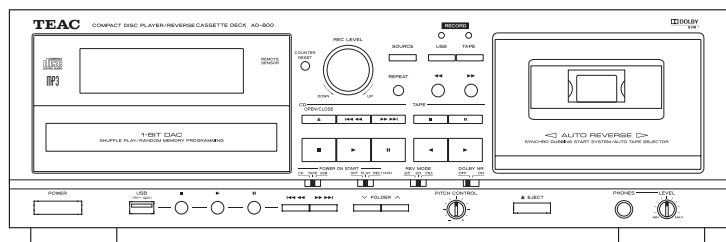


TEAC



SERVICE MANUAL

AD-800/800E

Compact Disc Player/Reverse Cassette Deck

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INSTRUCTIONS FOR SERVICE PERSONNEL

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

1. Safety Information

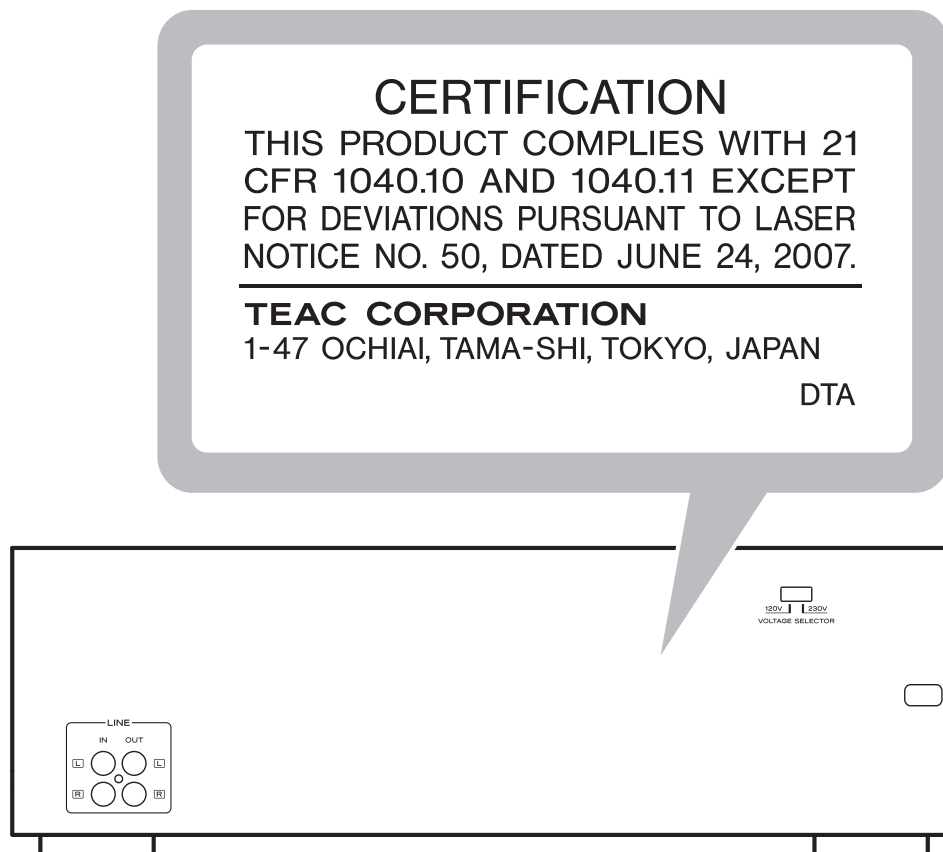
安全規格

● CAUTIONS ABOUT LASER RADIATION

This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as class 1 laser product. There is not hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is as follows:

For U.S.A.



● Cautions

- DO NOT REMOVE THE EXTERNAL CASES OR CABINETS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE WITHIN.
- IF YOU ARE EXPERIENCING PROBLEMS WITH THIS PRODUCT, CONTACT TEAC FOR A SERVICE REFERRAL. DO NOT USE THE PRODUCT UNTIL IT HAS BEEN REPAIRED.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

	Type	: SF-P101VZ
	Manufacturer	: SANYO ELECTRIC CO., LTD.
Optical pickup :	Laser output	: Less than 1 mW on the objective lens
	Wavelength	: 790 ±30 nm

● CAUTION for products that use replaceable lithium batteries:

There is danger of explosion if a battery is replaced with an incorrect type of battery.

Replace only with the same or equivalent type

2. Specifications

仕様

CD Player

Pickup	: 3-beam, semiconductor laser
Digital filter	: 8-times oversampling
Frequency response	: 20 Hz–20 kHz \pm 2 dB
Total harmonic distortion	: Less than 0.02 % (1 kHz)
Signal-to-noise ratio (S/N)	: More than 87 dB (IHF-A)
Analog output	: 2.0 V (RCA)

Cassette tape player

Track system	: 4-track, 2-channel stereo
Heads	: Record/playback x 1 (rotary reverse), erase x 1
Type of tape	: Cassette tape C-60
Tape speed	: 4.76 cm/sec.
Motor	: DC servo motor x 1
Pitch control	: \pm 10% (playback only)
Wow and flutter	: 0.25% (W. RMS)
Frequency response (overall)	: 50–12,000 Hz \pm 3 dB, chrome : 50–12,000 Hz \pm 3 dB, normal
Signal-to-noise ratio (overall)	: 59 dB (Dolby NR off, 3% THD level, weighted), : 69 dB (DOLBY NR on, over 5 kHz)
Rewinding time	: Approx. 120 sec. (with C-60)
Input	: Line: 87 mV (input impedance of 50 k Ω or more)
Output	: Line: 0.46 V (load impedance of 50 k Ω or more)
Headphones	: 10 mW/32 ohms

USB

USB bus-power output	: 5 V, 0.2 A
Playback	
Frequency response	: 20 Hz–20,000 Hz (\pm 2 dB)
Signal-to-noise ratio	: more than 85 dB
Playback bit rate	: 8k–320k bps
Recording	
Frequency response	: 20 Hz–15,000 Hz (\pm 2 dB)
Signal-to-noise ratio	: more than 85 dB
Record bit rate	: 128 kbps

GENERAL

Power requirement	: AC 230 V, 50 Hz (Europe model) : AC 220 V, 60 Hz (Korea model) : AC 120 V, 60 Hz (USA/Canada model) : AC 120 V/230 V, 50-60 Hz (General export model)
Power consumption	: 14 W
Dimensions (W x H x D)	: 435 x 145 x 288 mm (17 1/8" x 5 11/16" x 11 5/16") (including protrusions)
Weight (Net)	: 5.1 kg (11 1/8 lbs)
Operating temperature	: +5° C – +35° C
Operating humidity	: 5% to 85% (no condensation)
Storage temperature	: –20° C – +55° C

CDプレーヤー部

ピックアップ	: 3ビーム、半導体レーザー
デジタルフィルター	: 8倍オーバーサンプリング
周波数特性	: 20Hz ~ 20kHz \pm 2dB
全高調波歪率	: 0.02%以下(1kHz)
S/N比	: 87dB以上(IHF-A)
アナログ出力	: 2.0V(RCA)

カセットテープ部

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 (回転リバース式) 消去ヘッド×1
テープタイプ	: カセットテープC-60
テープ速度	: 4.76cm/秒
モーター	: DCサーボモーター×1
ピッチコントロール	: 約 \pm 10% (再生のみ)
ワウ・フラッター	: 0.25% (W.RMS)
周波数特性 (総合)	: 50 ~ 12,000Hz \pm 3dB:クローム 50 ~ 12,000Hz \pm 3dB:ノーマル
SN比 (総合)	: 59dB (ドルビー NRオフ, 3%THDレベルWTD) 69dB (ドルビー NRオン, 5kHz以上)
早巻時間	: 約120秒 (C-60テープ)
ライン入力(RCA)	: 87mV (入力インピーダンス50k Ω 以上)
ライン出力(RCA)	: 0.46V (負荷インピーダンス50k Ω 以上)
ヘッドホン出力	: 10mW/32 Ω

USB

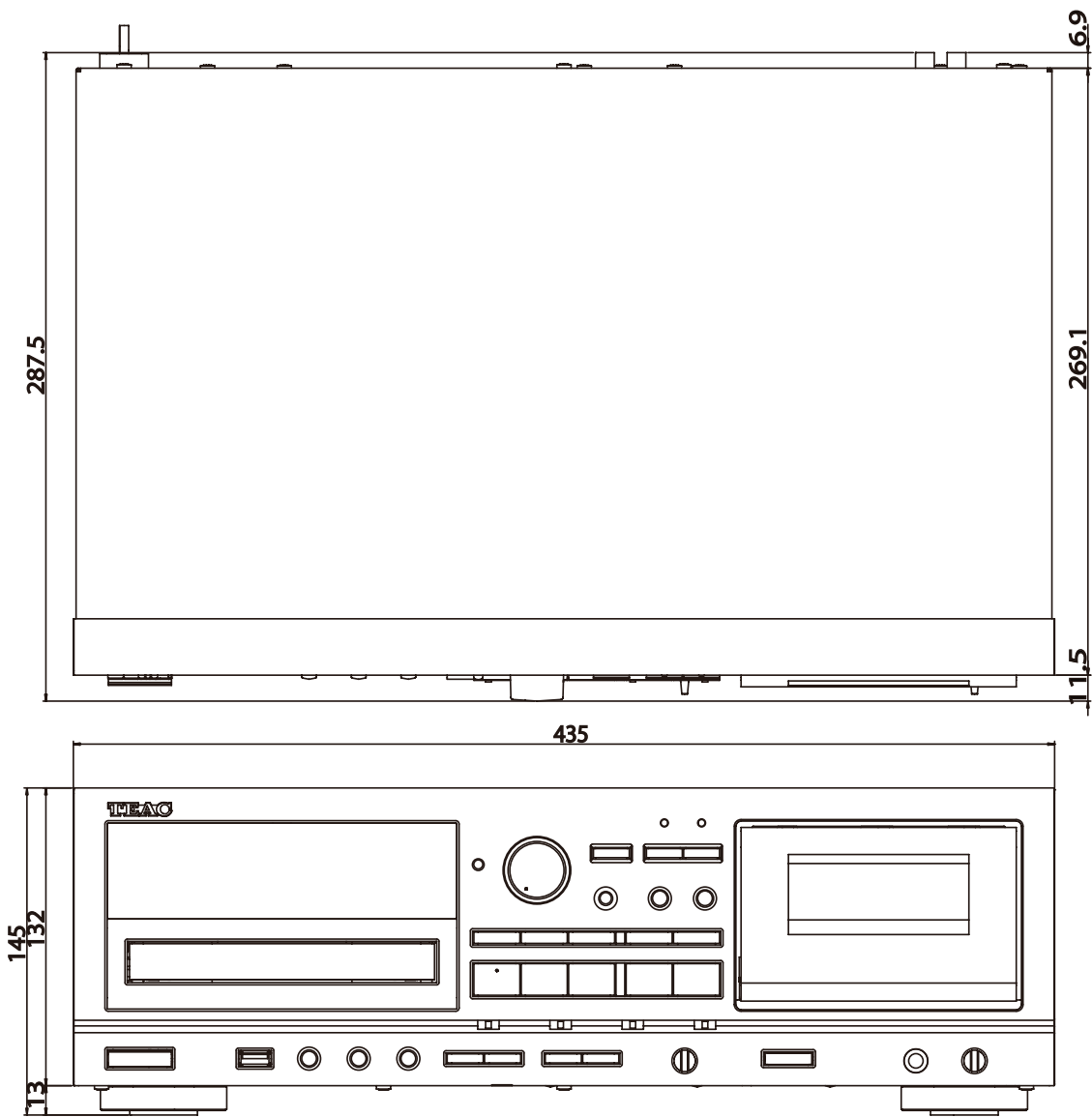
定格出力	: 5V、0.2A
再生	
周波数特性	: 20Hz ~ 20,000Hz(\pm 2dB)
S/N比	: 85dB以上
再生ビットレート	: 8k ~ 320kbps
録音	
周波数特性	: 20Hz ~ 15,000Hz(\pm 2dB)
S/N比	: 85dB以上
録音ビットレート	: 128kbps

一般

電源	: 100V AC、50-60Hz
消費電力	: 14W
外形寸法(幅、高さ、奥行)	: 435 x 145 x 288mm(突起部を含む)
質量	: 5.1kg
許容動作温度	: +5° C ~ +35° C
許容動作湿度	: 5% ~ 85% (結露のないこと)
許容保管温度	: –20° C ~ +55° C

3. Dimensional drawings

寸法図



4. Adjustment and Checks (Cassette Section)

調整と確認 (カセット部)

4-1. MECHANICAL ADJUSTMENT

4-1-1. Tape speed

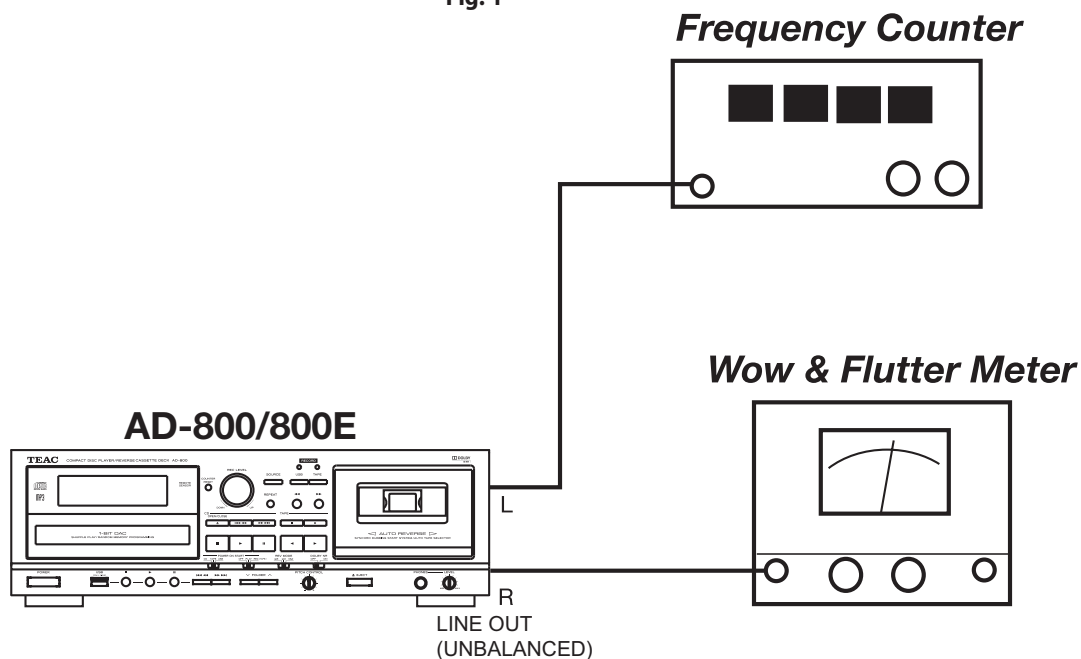
(1) Connect a frequency counter to the deck as shown in Fig.1.

4-1. 機構部の調整

4-1-1. テープ速度

(1) Fig.1の図のように周波数カウンターを接続する。

Fig. 1



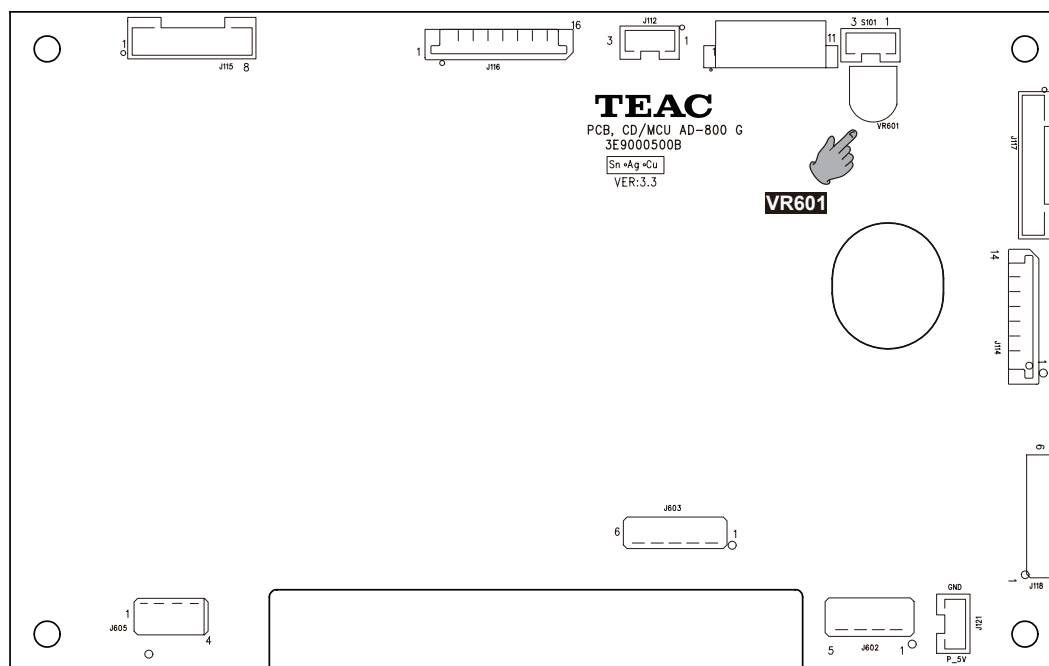
(2) Load a MTT-111N test tape and play in FWD direction the beginning of the test tape.

(3) Adjust the variable resistor VR1 on the CONTROL PCB(Fig. 2).

(2) テストテープMTT-111Nの巻き始め部をFWD 方向で再生する。

(3) 周波数値が3000Hz ± 10HzになるようにCD/MCU PCBのVR601 (Fig. 2) を調整する。

Fig. 2



4-1-2. Wow and flutter

- (1) Connect a wow-and-flutter meter to the deck as shown in Fig. 1.
- (2) Load and play a MTT-111N test tape.
- (3) Check that the readings on the wow-and-flutter meter is within 0.25 % (WRMS).

4-1-3. Pitch control

Play back the test tape MTT-111N, turn the PITCH CONTROL knob to the maximum and minimum positions so that the tape speed variations are as follows: Standard : $\pm 10\%$ or more (2730 Hz or less, 3270 Hz or more)

4-2. ELECTRICAL ADJUSTMENT AND CHECKS

4-2-1. Precautions

- (1) Before performing adjustments and checks clean and demagnetize the entire tape path.
- (2) In general, adjustments and checks are made in the order of Lch then Rch. Double REF. No.'s. indicate Lch /Rch.
(Example ; VR151/VR251)
- (3) 0 dBu is referenced to 0.775 V.
- (4) The AC voltmeter used in the procedures must have an input impedance of 1 M Ω or more.
- (5) Unless specified otherwise, adjustments and checks are made in FWD direction.

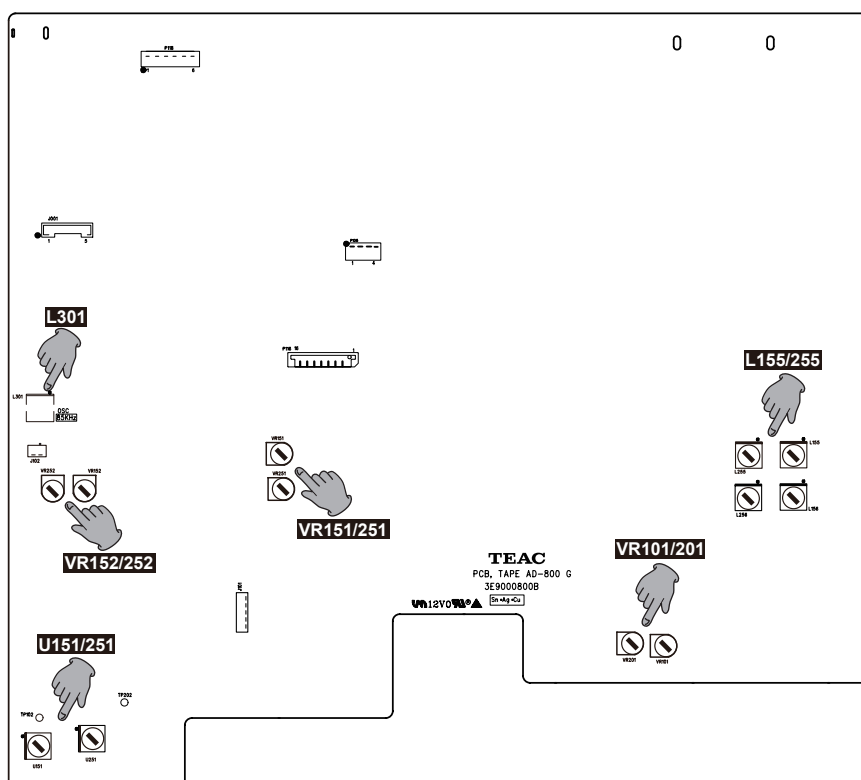
CAUTION

When the "COMMON OUT" setting in the menu is set to "MIX" change the setting to "AUTO" or "TAPE" before proceeding to the AMP adjustment.

To input the signal from the transmitter, connect it to the "UNBALANCED" input and set "TAPE INPUT" in the menu to "UNBAL".

4-2-2. Adjustment and check locations

Fig. 3



4-1-2. ワウフラッタ

- (1) Fig. 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0.25 % (WRMS) 以内であること。

4-1-3. ピッチコントロール確認

テストテープMTT-111Nを再生し、PITCH CONTROLを最大、最小に回したとき、可変幅が $\pm 10\%$ 以上 (MAX:3270Hz 以上、MIN: 2730Hz 以下) あること。

4-2. アンプ部の調整と確認

4-2-1. 注意

- (1) アンプ部の調整・確認の前に、テープ走行系の消磁と清掃を行ってください。
- (2) 特に指定のない限り、調整はLch、Rchの順序で行ってください。尚、VR151/VR251のように記されている回路番号はLch/Rchを示します。
- (3) 0 dBu = 0.775Vで表記しています。
- (4) 測定に使用するレベル計は、入力インピーダンス1M Ω 以上のものとしてください。
- (5) 特に指定のない場合、調整および確認はFWD方向で行ってください。

注意

MENUの"COMMON OUT"設定が"MIX"になっている場合は"AUTO"あるいは"TAPE"に設定を変更してからAMP調整を行います。

発信器から信号を入力する場合は"UNBALANCED"入力に接続し、MENUの"TAPE INPUT"を"UNBAL"に設定してください。

4-2-2. 調整および測定箇所

4-2-3. Playback performance

Mode: PLAY

Measurement point: LINE OUT 2

DOLBY NR switch: OFF

4-2-3. 再生系

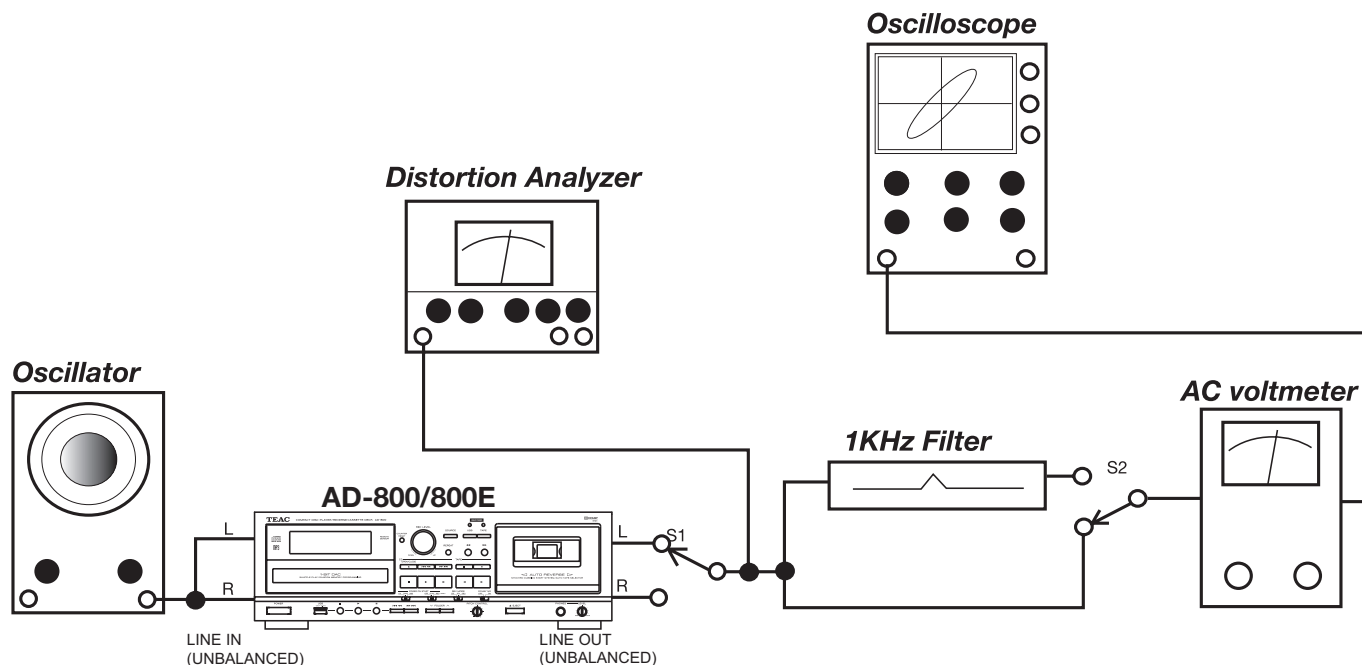
モード: PLAY

測定ポイント: LINE OUT 2

ドルビー NR スイッチ: OFF

No	ITEM 項目	SETTING 設定	TESTTAPE テストテープ	ADJUSTMENT 調整	MEASUREMENT 測定	REMARKS 備考
1	REC/PLAY head azimuth 録/再ヘッドアジマス	Connection : Fig. 5 Check/adjust in FWD, REV respectively FWD, REV それぞれ実施	MTT-25702 (12.5 kHz)	Azimuth screws of R/P head (Fig. 7) 録/再ヘッドのアジ マス調整ネジ	Max. output at L & Rch L & R 最大出力	Phase: with in 45° (Fig. 8)
2	Specified output level 規定出力レベル	Connection : Fig. 4 FWD PLAY	MTT-150C	VR101/VR201	+6 dBu ± 0.1 dB	
		REV PLAY	MTT-150C	Check	+6 dBu ± 2 dB	
3	Playback frequency response 再生周波数特性	Connection : Fig. 4	MTT-25702	Check only	250 Hz-6.3 kHz: ±3 dB 10 kHz: ± 5 dB	
4	Playback SN ratio 再生SN比	Connection : Fig. 4	MTT-5513 Play back the leader tape portion リーダーテープ部を 再生	Check only	46 dB min.	Ratio of ref. level to noise level 規定出力レベルとの比

Fig. 4



4-2-3. Recording performance

Mode: REC/PLAY (*1)

Signal input: TAPE INPUT

Measurement point: TAPE COMMON OUT (*1)

MTT-5514 or MTT-5513 : for NORMAL

DOLBY NR switch: OFF (*1)

MTT-5564 or MTT-5563 : for CrO2

*1 : unless otherwise specified

4-2-3. 録音系

モード: 録音/再生 (*1)

入力信号: TAPE

測定ポイント: LINE OUT端子 (*1)

MTT-5514 or MTT-5513 : for NORMAL

ドルビー NR スイッチ: オフ (*1)

MTT-5564 or MTT-5563 : for CrO2

*1 : 特に指示のある場合を除く

No	ITEM 項目	SETTING 設定	TESTTAPE テストテープ	ADJUSTMENT 調整	MEASUREMENT 測定	REMARKS 備考
1	Reference level set 基準レベルセット	Connection : Fig. 4 Tape : MTT-5514 Mode : REC PAUSE	400 Hz/-9dBu	INPUT control	- 4.5 dBu	After adjusting, do not move (Specific position) 調整後はINPUT controlを動かさないこと(規定位置)
2	MPX filter MPX フィルター	Connection : Fig. 4 Tape : MTT-5514	19 kHz/-9 dBu	L155/L255	30 dB min.	Ratio of ref. level to signal 規定出力レベルとの比
3	Bias OSC バイアス発振器	Connection : Fig.6 Tape : MTT-5514 Mode : REC	No signal 無信号	L301	J102-1 85 KHz ± 3 kHz	
4	Record bias 録音バイアス	Connection : Fig. 4 Tape : MTT-5514 DOLBY NR : ON	250 Hz/-41 dBu, 10 kHz/-41 dBu	VR152/VR252	Nearly equal level at both frequencies 両周波数の出力レベルがほぼ等しくなるように調整	
5	Bias Trap Coil adjustment バイアストラップコイル調整	Connection : Fig. 4 Tape : MTT-5514 Mode : REC PLAY	No signal 無信号	U151/U251	TP102/TP202 minimize the levels	Adjust U150/U152 to minimize the levels at TP102 / TP202. TP102/TP202のレベルが最も小さくなるように調整
6	Record level adjustment 録音レベル調整	Connection : Fig. 4 Tape : MTT-5514	400 Hz/-3 dBu	VR151/VR251	+ 3 dBV ± 1 dB	
7	Record level check 録音レベル確認	Connection : Fig. 4 Tape : MTT-5564	400 Hz/ 0 dBu	Check only	+ 6 dBV ± 2 dB	
8	Total harmonic distortion 総合歪率	Connection : Fig. 4 Tape : MTT-5514 Tape : MTT-5564	400 Hz/-9 dBu	Check only	2.5 % or less	
9	Overall frequency response 総合周波数特性	Connection : Fig. 4 Tape : MTT-5514 Tape : MTT-5564 DOLBY NR : ON	125 Hz ~ 12.5 kHz/ -33 dBu	Check only	250 Hz-6.3 kHz: ± 3 dB 10 kHz: ± 5 dB	
10	Overall SN ratio 総合SN比	Connection : Fig. 4 Tape : MTT-5514 Tape : MTT-5564	No signal 無信号	Check only	NORMAL : 41 dB min. CrO2 : 45 dB min.	Ratio of ref. level to noise level 規定出力レベルとの比
11	Erase efficiency 消去率	Connection : Fig. 4 (1 kHz B.P.F. in) Tape : MTT-5564	1 kHz/+5 dBu	Check only	65 dB min.	
				Find the difference between the 1 kHz recorded portion and the erased portion. 1kHz録音部分とそれを消去した部分との出力レベルの比		
12	REC MUTE function REC MUTE効果	Connection : Fig. 4 (1 kHz B.P.F. in) Tape : MTT-5564	1 kHz/+5 dBu	Check only	55 dB min.	
				Find the difference between the 1 kHz recorded portion and the "REC MUTE" portion. 1kHz録音部分とREC MUTE部分との出力レベルの比		
13	Channel separation チャンネルセパレーション	Connection : Fig. 4 (1 kHz B.P.F. in) Tape : MTT-5564	L ch : 1 kHz/0 dBu R ch : No signal	Check only	30 dB min.	
				Find the difference between the 1 kHz recorded portion (L ch) and the no signal portion (R ch). 1kHz録音部分 (Lch) と無信号録音部分 (Rch) との出力レベルの比		

Fig. 5

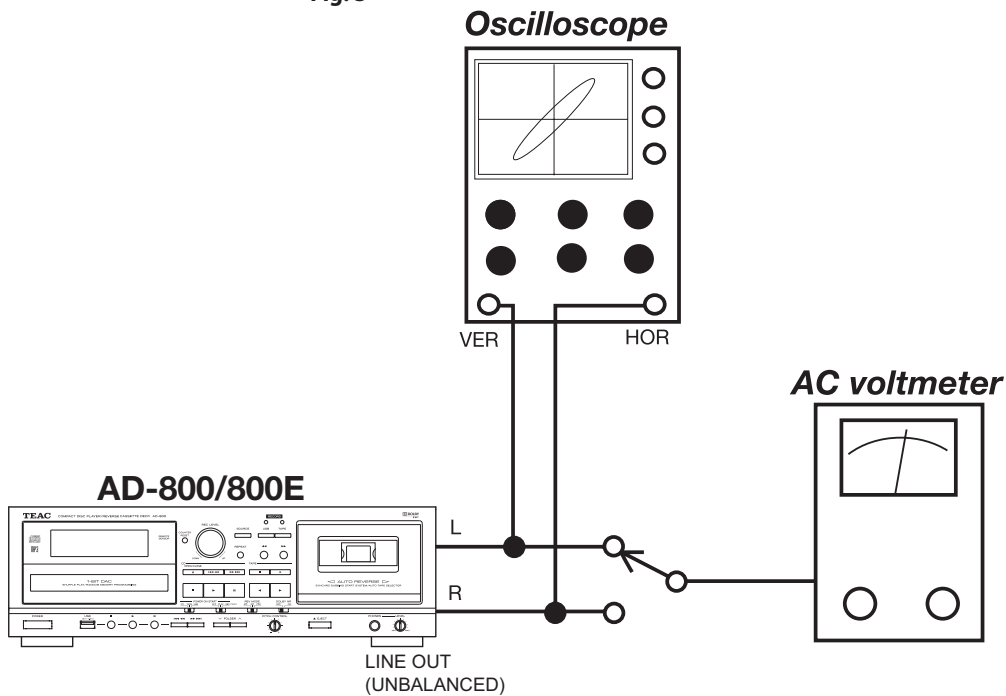


Fig. 6

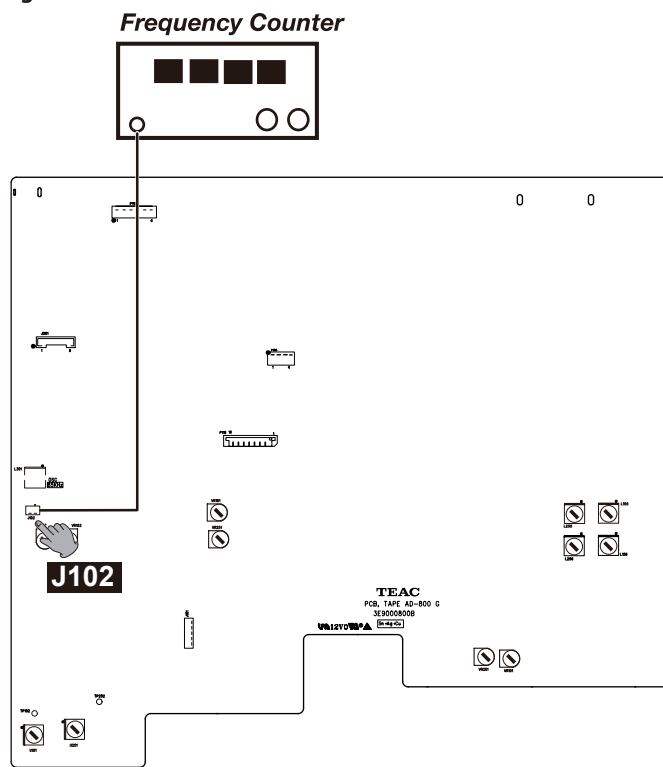


Fig. 7

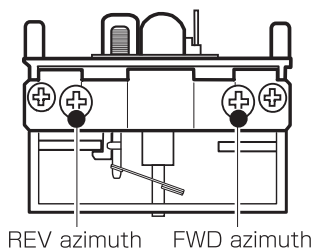
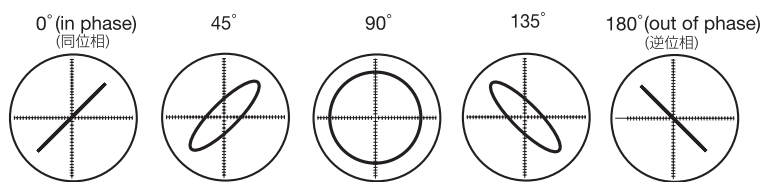


Fig. 8



5. Updating of System firmware

システムファームウェアのアップデート

5-1. How to update of MCU firmware

5-1-1. Checking the firmware version

Before updating your AD-800, check its firmware version.

- 1) Press the unit **[POWER]** button to turn it off.
- 2) While pressing and holding the **[SOURCE]** button, press the **[POWER]** button.

When the power turns on, the CD and MCU versions are shown alternately. (See the drawing below)



- 3) Press the unit POWER button to turn it off.

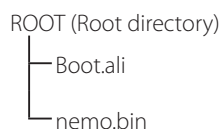
5-1-2. Firmware update procedures

(1). Download the file

Download a compressed file with the latest version of the firmware from the TEAC website and decompress it (<http://audio.teac.com/support/downloads/>).

(2). Copy the updater data

Place the **"Boot.ali"** and **"nemo.bin"** files, which were created automatically during decompression, into the root directory of an empty USB flash drive.



- Do not change the file names.

(3). Update the firmware

- 1) Press the **[SOURCE]** button and select **"USB"**.
- 2) After confirming that **"NO USB"** appears on the display, connect the USB flash drive that contains the copied updater data to the USB port on the front of the unit. **"UPGRADING"** appears on the display and firmware updating starts.

CAUTION

Do not disconnect the power cord or turn the power off while **"UPGRADING"** appears on the display. If the unit should lose power during a firmware update, restarting it might not be possible or it could otherwise malfunction.

- 4) **"UPGRADE OK"** appears on the display after about a minute, confirming that the update has completed.
- 5) Disconnect the USB flash drive and turn the unit off.
- 6) Follow the procedures in "Checking the firmware version" above to confirm that the unit is now using the latest version.

5-1. MCUファームウェアのアップデート

5-1-1. ファームウェアバージョンの確認

ファームウェアアップデート作業前に、お手持ちのAD-800のファームウェアバージョンを確認します。

- 1) 本体の電源ボタン**[POWER]**を押して、電源をオフにする。
- 2) 本体の入力切換ボタン**[SOURCE]**を押した状態で、電源ボタン**[POWER]**を押します。

電源がオンになり、ディスプレイにCDとMCUのバージョンが交互に表示されます。(下図参照)

- 3) 本体の電源ボタン**[POWER]**を押して終了します。

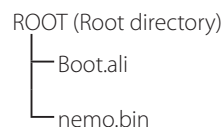
5-1-2. ファームウェアアップデート手順

(1). ファイルのダウンロード

TEACのウェブサイト (<http://teac.jp/support/downloads/>) より最新のファームウェアの圧縮ファイルをダウンロードし、解凍してください。

(2). アップデート用データのコピー

空のUSBメモリーのルートディレクトリ直下に、解凍して自動生成された**"Boot.ali"**と**"nemo.bin"**を置いて下さい。



- ファイル名は変更しないでください。

(3). ファームウェアアップデート

- 1) 入力切換ボタン**[SOURCE]**を押して、**"USB"**を選ぶ。
- 2) ディスプレーに**"NO USB"**が表示されたことを確認し、アップデート用データがコピーされたUSBメモリーを前面のUSB端子に接続する。
ディスプレイに**"UPGRADING"**が表示され、ファームウェアのアップデートが始まります。

注意

"UPDATING"表示中は、電源コードを抜いたり、電源ボタン**[POWER]**をオフにしないでください。ファームウェアアップデート中に電源が切れると再起動できなくなり、本体が故障する可能性があります。

- 3) 約1分後に**"UPGRADE OK"**が表示されるので、アップデートが終了したことを確認します。
- 4) USBメモリーを抜いて、電源ボタン**[POWER]**をオフにします。
- 5) 上記の「5-1-1. ファームウェアバージョンの確認」にある手順に従い、最新のバージョンになっていることを確認します。

5-2. How to update for Deck_MCU (Cassette) of AD-800

5-2-1. To install software included in CD-ROM

Follow the provided "AM On-Board Programmer Quick Start Guide".

Here's some notes for you to install the software successfully.

(1). AMOBP Commander (See Fig.1)

Place the provided CD-ROM in PC and click "**AMOBPC_setup.exe**" to create an icon "**AMOBP Commander**" on PC.

(2). USB Driver (See Fig.1)

Connect USB cable to the ROM-writer "**AM1 Flash On-Board Programmer**" (rectangular box) and to PC. (See Fig.2)

There will be "**Welcome to the Found New Hardware Wizard**" screen popping up automatically. Then follow the Quick Start Guide to search the driver contained in the CD-ROM.

5-2. Deckマイコンファームウェアのアップデート

5-2-1. CD-ROMにあるソフトウェアをインストール

"AM オンボード プログラマー クイックスタートガイド" に従いながらインストールを問題なく終了できるように、下記を参照してください。

(1). AMOBP Commander (Fig.1参照)

PCのCDドライブにCD-ROMをセットし、"**AMOBP Commander**"のアイコンをPC上に作成するためにCD-ROMにある"**AMOBPC_setup.exe**"をクリックしてください。

(2). USBドライバー (Fig.1参照)

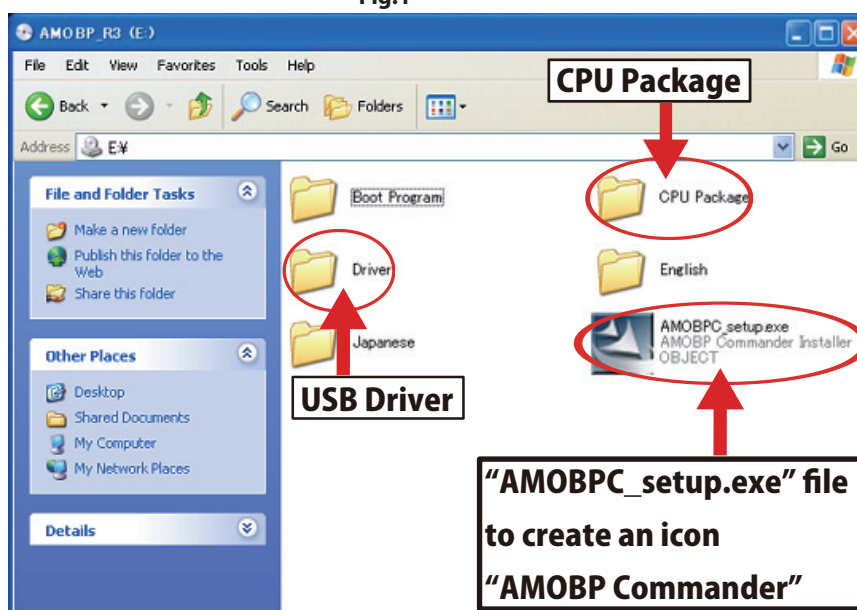
ROMライター "**AM1 Flash ON-Board Programmer**" にUSBケーブルを接続した後、PCに接続します。

(Fig.2参照)

"**Welcome to the Found New Hardware Wizard**" がPCに表示されます。

クイックスタートガイドを参考にして、CD-ROM内にあるドライバーを確認してください。

Fig.1



5-2-2. To install CPU firmware for AM1 Flash ON-Board Programmer (See Fig.2)

5-2-2. AM1 Flash ON-Board Programmer用CPUファームウェアのインストール (Fig.2参照)

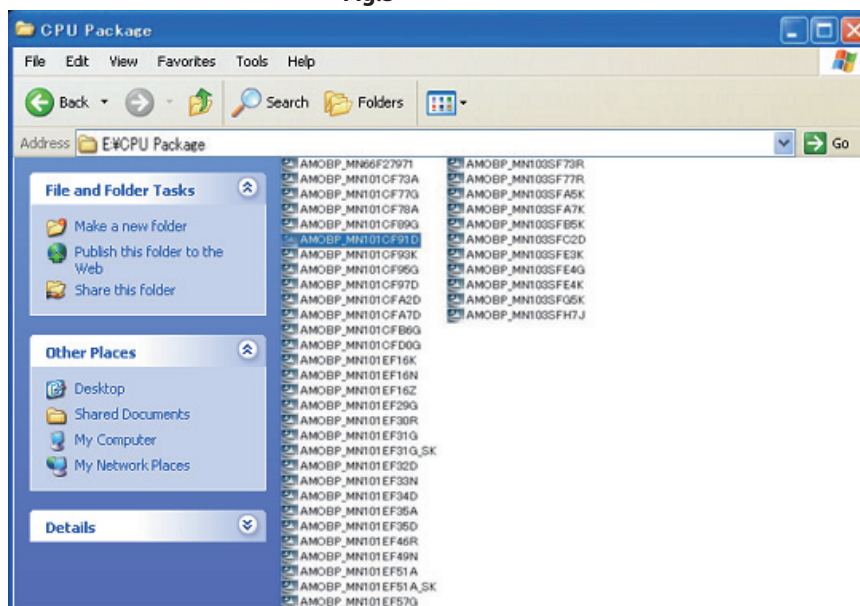
Fig.2



- 1) Click "**CPU Package**" to open the folder.
- 2) Click the file name "**AMOPB_MN101CF91D**" to open the file. (*The file name wrote on the guidance is just as an example and it is different from the actual one – See Fig.3.)

- 1) "**CPU Package**"フォルダーをクリックしてフォルダー内のファイルを表示します。
- 2) そのフォルダー内にあるファイル"**AMOPB_MN101CF91D**" (一例です。実際のものとは異なります。)をクリックします。(Fig.3参照)

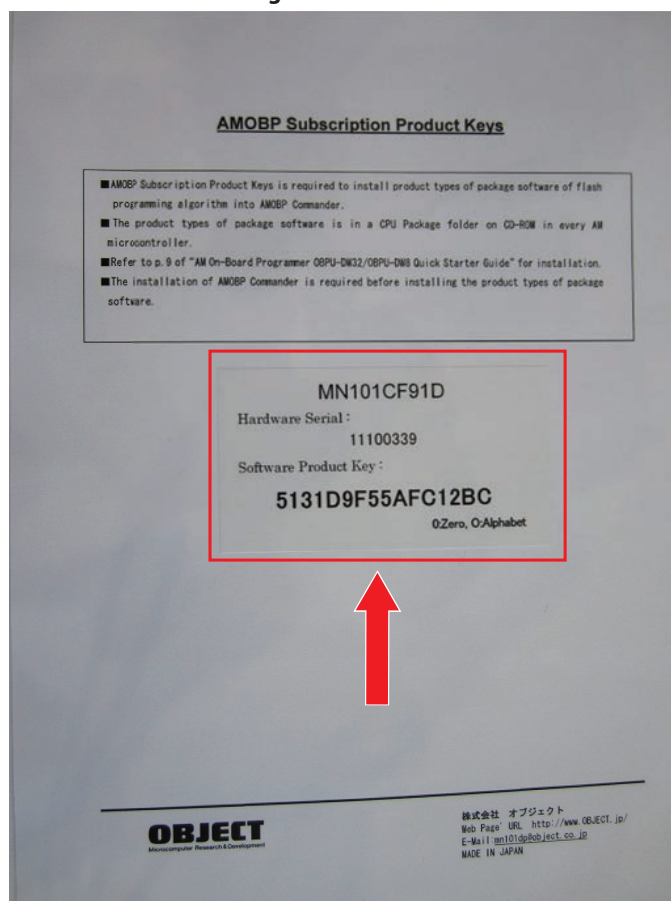
Fig.3



- 3) There will be "**Input Key Code**" screen appeared during the course of set-up and ask for "**Serial**" and "**Product**". Key-in the codes written on the "**AMOBP Subscription Product Keys**" provided in the package of guidance and CD-ROM. (See Fig.4)

- 3) セットアップの途中で "**Input Key Code**" が PC に表示され、 "**Serial**" と "**Product**" の入力を求められます。それらのキーコードは、はガイダンスと CD-ROM のパッケージ上にある "**AMOBP Subscription Product Keys**" の中に記載されています。(Fig.4参照)

Fig.4



- 4) Press "**Next**" to finish.

- 4) "**Next**"を押すと終了します。

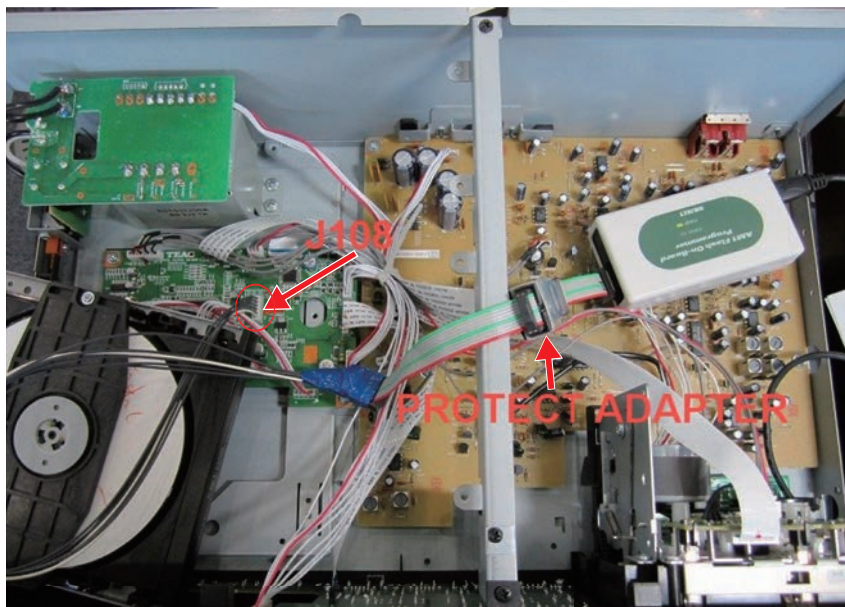
5-2-3. Update to AD-800 actually

- 1) Open the top cover of the unit while the unit power is off.
(Two screws on both sides and one on the back)
- 2) Unscrew CD loader mechanism (4 x screw) and move as you can access to J108 connector. (See Fig.5).
(*Be careful not to touch main PCB.)

5-2-3. AD-800へのアップデート

- 1) 電源をオフにしたまま、両サイドとリアのネジを外してトップカバーを開けます。
- 2) CDローダーを留めているネジを4本外してCDローダーを取り外すと、J108のコネクターが見えます。(Fig.5参照)
(メインPCBに触れないように気をつけること。)

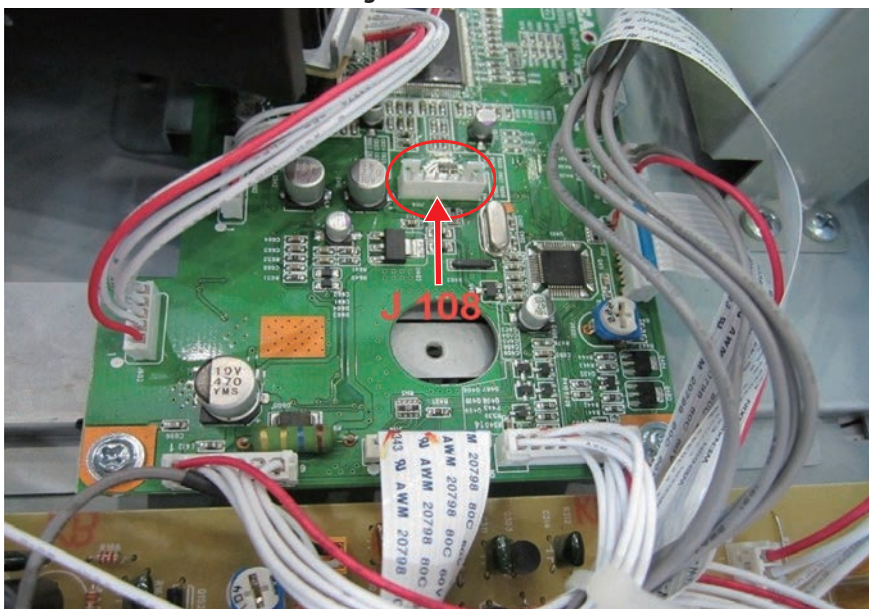
Fig.5



- 3) Connect ROM writer to USB socket of PC and the other end (PH connector) to J108(6P). (See Fig.6)

- 3) ROMライターをPCのUSBコネクターに接続し、ケーブルの反対側の先 (PHコネクター) をJ108 (6P) に接続します。(Fig.6参照)

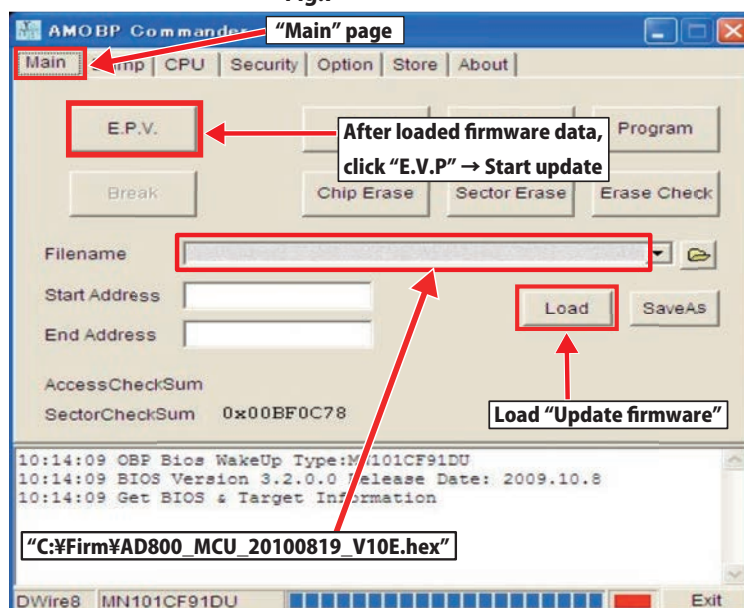
Fig.6



- 4) Click the icon "AMOBP Commander" to run.
- 5) Go to pop up screen of "AMOBP Commander" and select "Main" page, select Filename "AD800_MCU_20100819_V10E.hex" and then click "LOAD".(See Fig.7)

- 4) "AMOBP Commander"アイコンをクリックして起動します。
- 5) "AMOBP Commander"の画面がポップアップ表示された後、"Main"ページを選択して開きます。"Filename"の所で、アップデートに必要なファイル (例:"AD800_MCU_20100819_V10E.hex") を選択し、"LOAD"をクリックします。(Fig.7参照)

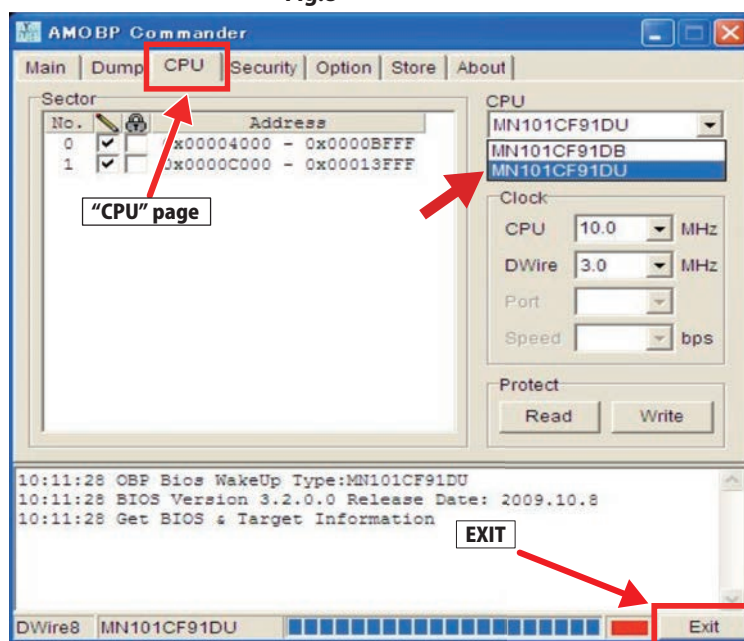
Fig.7



6) Go to "CPU" page and select "MN101CF91DU". (See Fig.8)

6) "CPU"ページを選択して開いた後、"MN101CF91DU"を選択します。(Fig.8参照)

Fig.8



- 7) Power on the unit. LED power indicator of ROM writer change from green to red.
- 8) After LED power indicator of ROM writer change to red, go back to "Main" page and click "E.V.P." (See Fig.7) to start updating. (You should ignore even though cassette deck makes some mechanical noise).
- 9) In one or two minutes, you will see another screen popping up and message "Commander Complete". Click "OK".
- 10) Click "EXIT"(See Fig.8) of "AMOBP Commander" to finish updating
- 11) Power off the unit

Disconnect power cord of the unit and then screw top cover..

- 7) 本体の電源ボタン[POWER]をオンにし、ROMライター側のLED電源インジケータの色が緑から赤になることを確認してください。
- 8) LED電源インジケータの色が緑から赤になったら再度"Main"ページに戻り、"E.V.P." (Fig.7参照) をクリックして選択し、アップデートをスタートします。この時、カセットデッキから動作音がします。
- 9) 1～2分後、"Commander Complete"というメッセージがポップアップ表示されるので、"OK"をクリックします。
- 10) "EXIT" (Fig.8参照) をクリックし、"AMOBP Commander"でのアップデートを終了します。
- 11) 本体の電源をオフにします。

本体の電源コードを抜き、トップカバーをネジで締め取り付けます。

6. Product ErP2 Instructions

本機の ErP 対応説明

CAUTION

This product is compliant with the European ErP Standby Power Regulation. In order to comply with this regulation, the automatic power saving function of this unit is set to 30 minutes when shipped new, so the unit will automatically enter standby if 30 minutes pass under the conditions shown in the table below. If you want to disable the automatic power saving function, please refer to "About the ErP" in the Owner's Manual for instructions.

Status	CD	USB flash drive	Cassette tape
No disc, cassette tape or connection	√	√	√
Stopped/paused	√	√	√
Recording paused	/	-	-

√ Automatic power saving function active

- Automatic power saving function not active

/ Non applicable

注意

本製品は、欧州待機時電力規制（ErP）対応製品です。上記規制対応のため、製品出荷時のオートパワーセーブ機能が30分に設定されており、下記の表に記載されている条件で30分経過すると自動的にスタンバイになります。

オートパワーセーブ機能を無効にしたい場合は、取扱説明書の「ErPについて」をご確認ください。

状態	CD	USBメモリー	カセットテープ
ディスク/カセットテープなし、または接続なし	○	○	○
停止/一時停止	○	○	○
録音一時停止	/	×	×

○：オートパワーセーブ機能が動作する

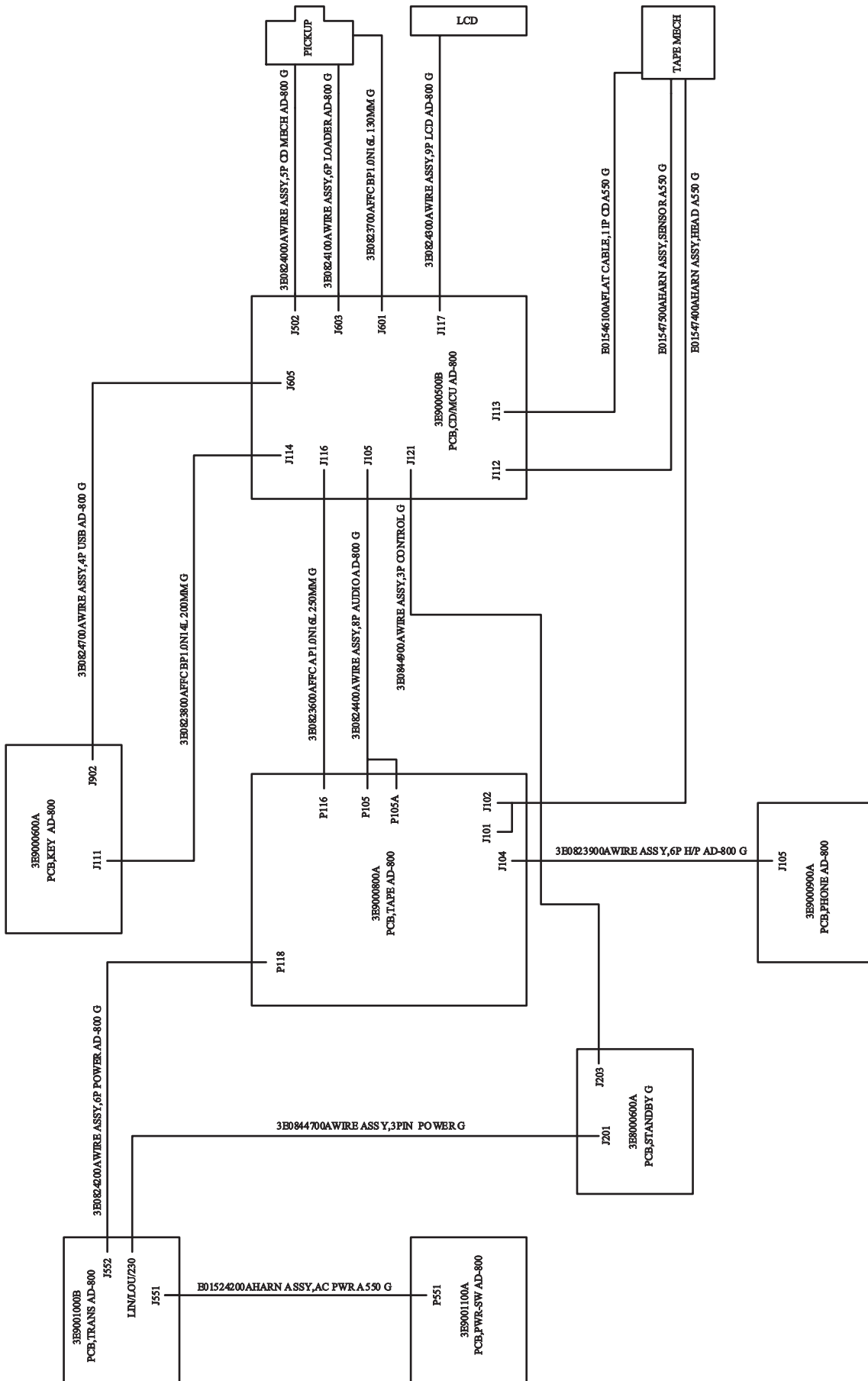
×：オートパワーセーブ機能が動作しない

/：機能なし

7. Wiring Diagram

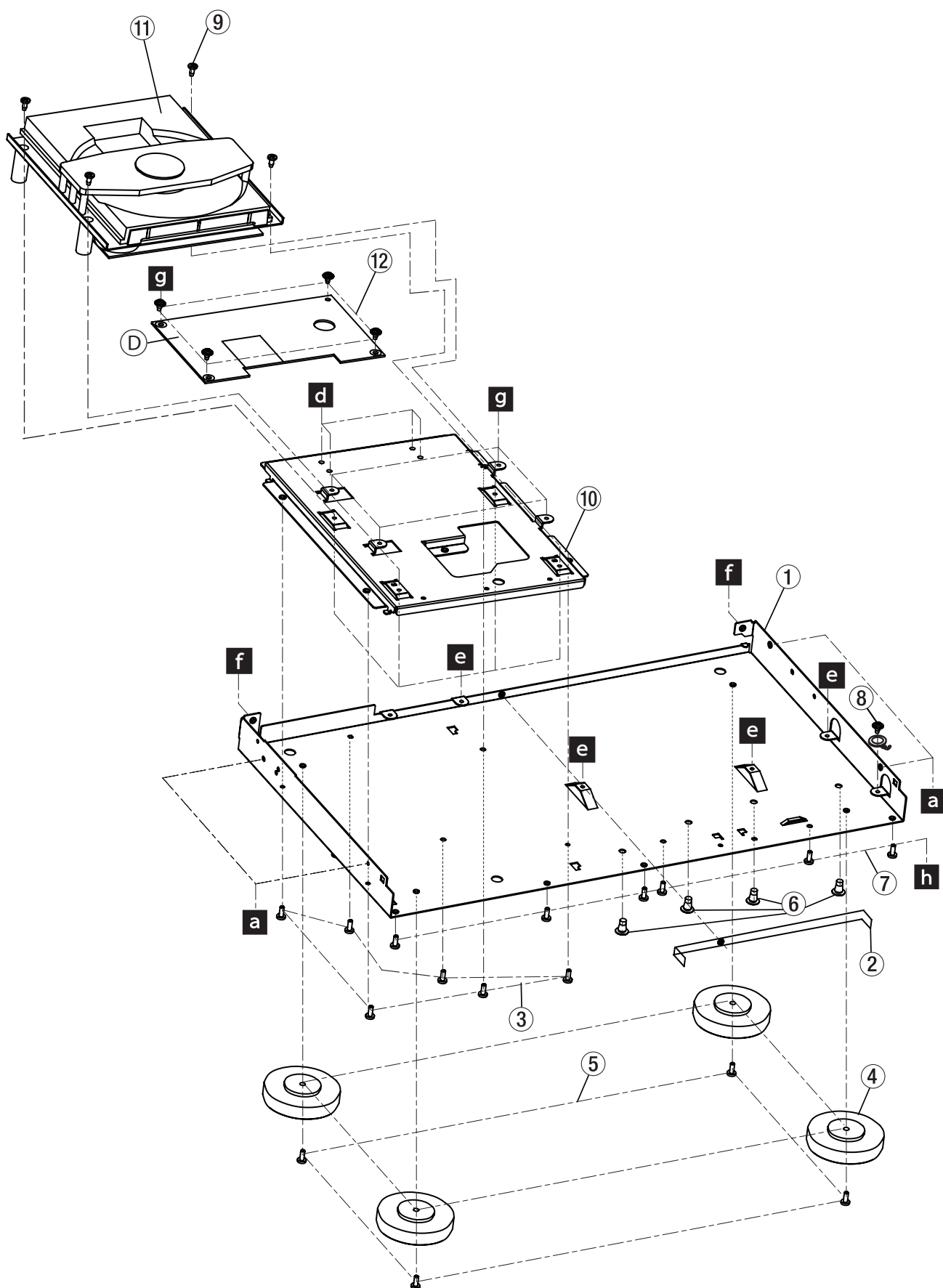
結線圖

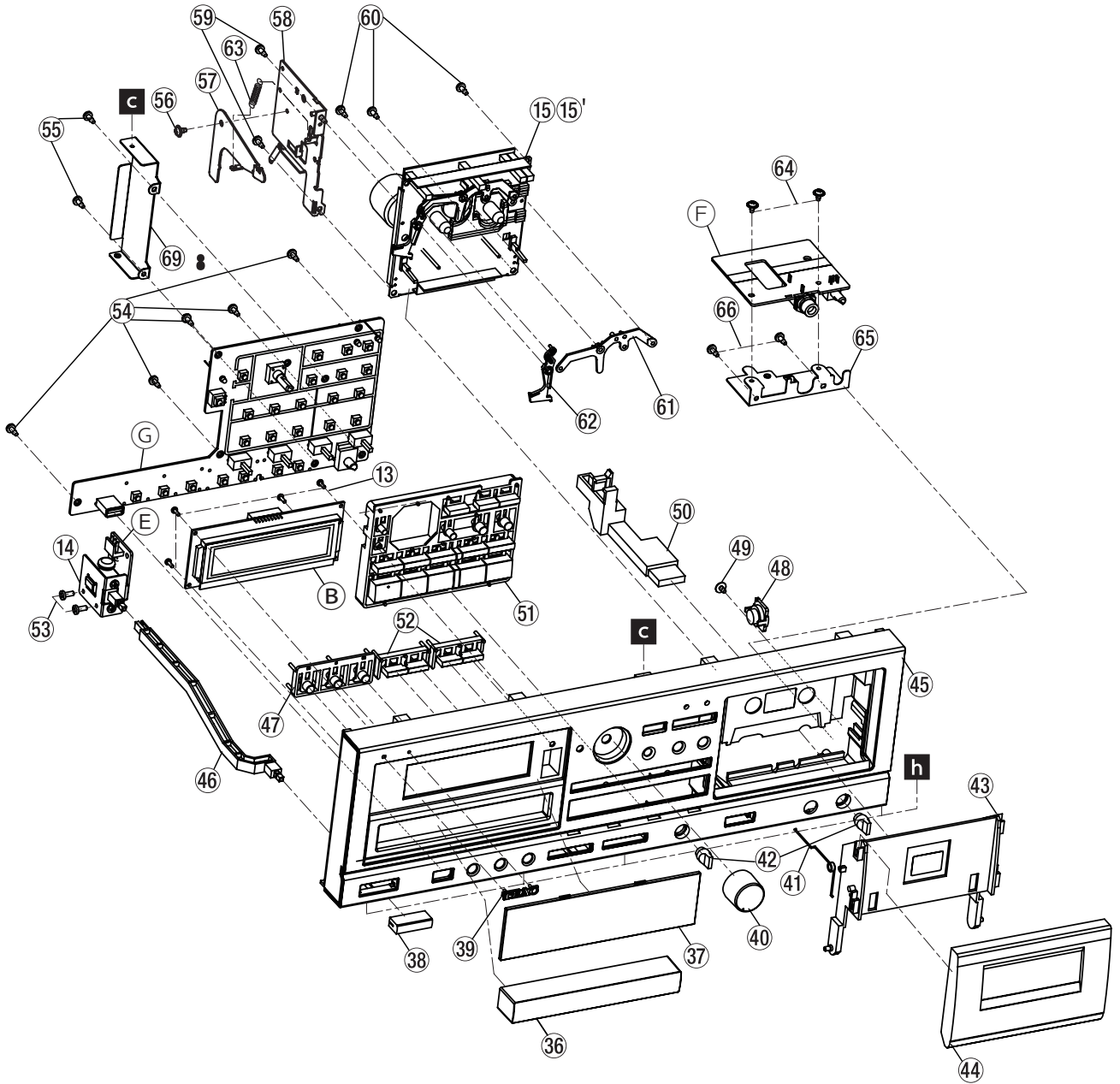
AD-800 Block Diagram

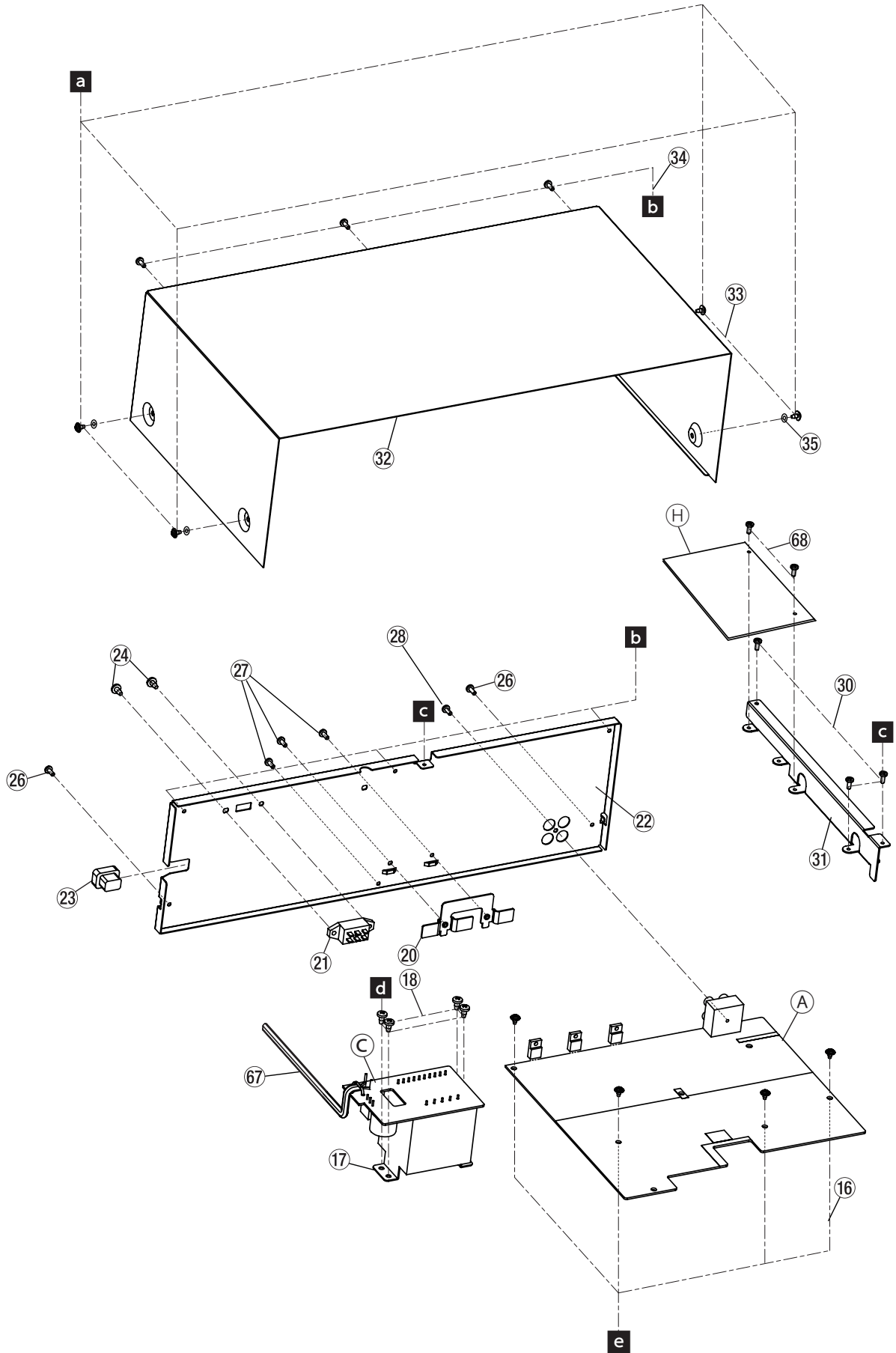


8. Exploded Views and Parts List

分解図とパーツリスト







CAUTION Part with numbers in parentheses () cannot be ordered.**注意** "()"付き品番は、発注できません。**Exploded View Parts List**

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	REMARKS
1	M02904500B	CHASSIS,MAIN CDA550 G	1	
2	M03032700A	SHEET,BARRIER 8*120 TP G	1	
3	B00199708A	SCREW,BPB 3*8 FZB G	6	
4	3M0047200A	FOOT ASSY, SD-455 G	4	
5	B00199708A	SCREW,BPB 3*8 FZB G	4	
6	M02941400A	SPACER,SUPPORT RAD-8 G	4	
7	B00199708A	SCREW,BPB 3*8 FZB G	6	
8	B00198306A	SCREW,BPS 3*6 FZC G	1	
9	B00199708A	SCREW,BPB 3*8 FZB G	4	
10	3M0822000A	BASE CD MECHA AD-800G	1	
11	3M0882300A	CD MECH WSL-2130 EM101 RNS	1	(CD MECHA)
12	B00197606A	SCREW,PPSU 3*6 FZB	4	
13	B00198806A	SCREW,BPP M2*6 FZC G	4	
14	M02904800B	BRACKET,PCB PWR 550 G	1	
15	M02753900D	MECH ASSY,RP CRP42606 V G	1	
(15')	E95335700A	GATHER PCBA,SER 222SL2 G	1	Back side of mech assy, "PCB,SENSOR 222SLMK2 G" on page 33
16	B00197806A	SCREW,PPSU 3*6 FZC G	4	
17	E01542200A	TRANS POWER,CDA550 G	1	[AC 100V/120V/120-230V], △
18	B00199508A	SCREW,BPB 4*8 FZC G	4	
20	3M0025900C	PLATE,IC AA550 G	1	
21	3E040130	SW,SL14-22AH-OAN G	1	(S553), "11. Appendix" on page 34
22	3M0822100A	REAR PANEL AD-800 G	1	[JPN], [KOR], [UK]
	3M0822193B	REAR PANEL AD-800 EXTC G	1	[T/C]
	3M0887000A	REAR PANEL AD-800 EUR G	1	[EUR]
23	3M000880	BUSHING, #2271(CSA)-G	1	
24	B00199808A	SCREW,BPB 4*8 FZB G	2	
26	B00199708A	SCREW,BPB 3*8 FZB G	2	
27	B00199708A	SCREW,BPB 3*8 FZB G	3	
28	B00199708A	SCREW,BPB 3*8 FZB G	1	
30	B00199708A	SCREW,BPB 3*8 FZB G	3	
31	3M0025300C	BRACKET,PCB(A) G AD500	1	
32	3M0863410A	BONNET AD-RW900 B G	1	
33	B00197606A	SCREW,PPSU 3*6 FZB G	4	
34	B00170608A	SCREW,VPCR 3*8 FZB G	3	
35	M02788000A	T LK WSHR,3D G	4	
36	3M0822200A	TRAY PANEL AD-800 G	1	
37	3M0821900B	WINDOW DISP AD-800 G	1	
38	3M0821800A	BUTTON,POWER AD800 G	1	
39	3M0051640A	TEAC BADGE	1	
40	3M0024620A	KNOB REC VOL AD-800 G	1	
41	3M0010500B	TORSION SPRING,CASE II G	1	

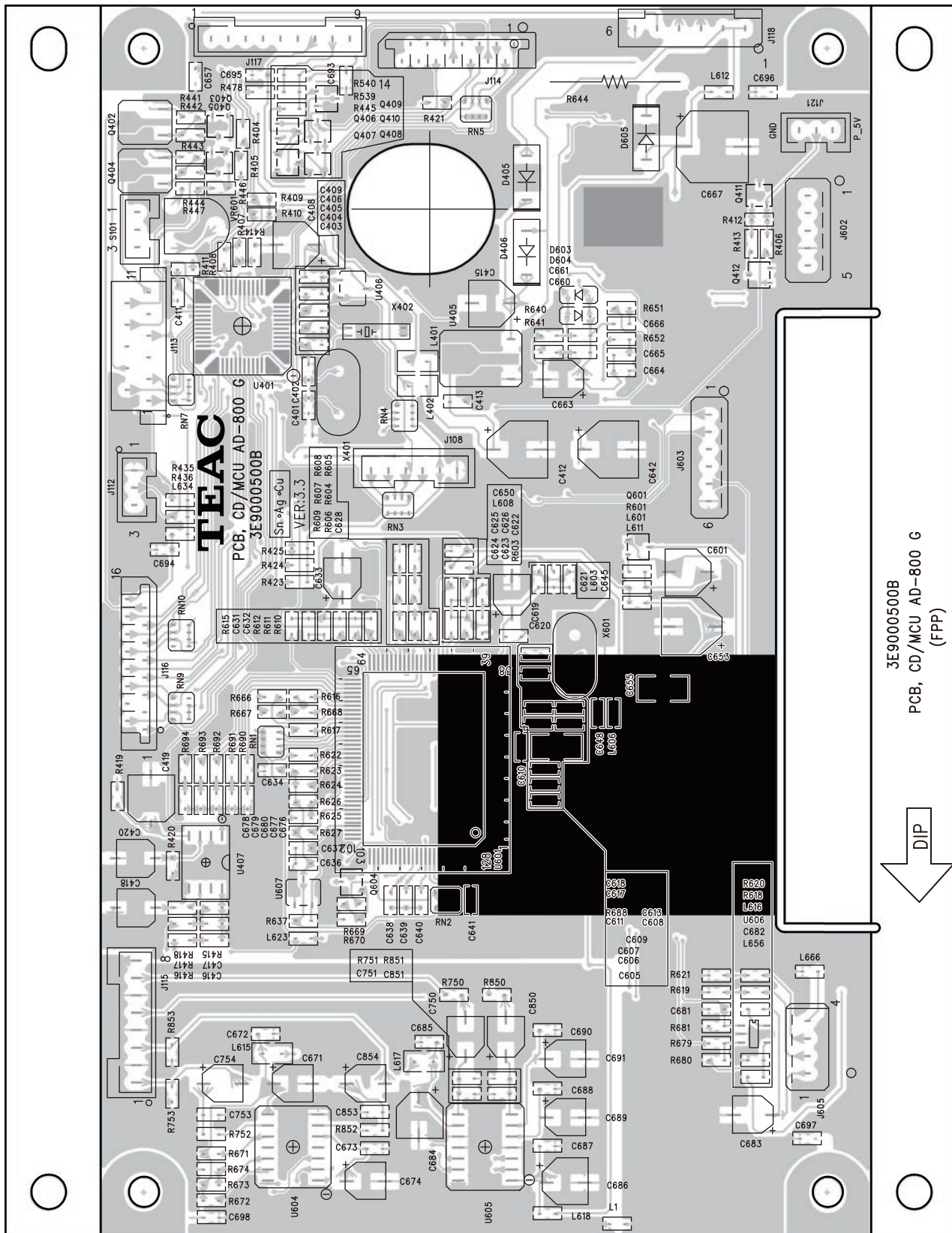
CAUTION Part with numbers in parentheses () cannot be ordered.**注意** "()"付き品番は、発注できません。**Exploded View Parts List**

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	REMARKS
42	3M0024800A	KNOB,PHONE VOLUME AD500 G	2	
43	3M0011100A	CASE,LEAD W-780R G	1	
44	3M0026420A	LID DOOR AD-800 G	1	
45	3M0821400B	FRONT PANEL AD-RW800 G	1	
46	M02906100A	LINK,POWER CDA550 G	1	
47	3M0821700A	BUTTON,D6.5 AD800 G	1	
48	3M0011200A	DAMPER,(SD-385)	1	
49	B00208908A	SCREW,PPPU 3*8 FZB G	1	
50	3M0025100A	BUTTON,EJECT AD500 G	1	
51	3M0821500A	BUTTON MAIN AD-800 G	1	
52	3M0821600A	BUTTON,SKIP AD800 G	2	
53	B00199708A	SCREW,BPB 3*8 FZB G	2	
54	B00199008A	SCREW,BPP 3*8 FZC G	5	
55	B00199008A	SCREW,BPP 3*8 FZC G	2	
56	B00247300A	SCREW,PPSP 4*1.3FZC G	1	
57	3M0030000E	HOOK,EJECT B W-780R G	1	
58	M02719700A	BRACKET,EJECT B G	1	
59	B00199008A	SCREW,BPP 3*8 FZC G	2	
60	B00199008A	SCREW,BPP 3*8 FZC G	3	
61	M02719300B	LEVER,CTRL	1	
62	M02719400B	LEVER,STPR L G	1	
63	M02520800A	TRSN SPR,EJECT 202MK4 G	1	
64	B00197806A	SCREW,PPSU 3*6 FZC G	3	
65	M02905000B	BRACKET,PCB PH 550 G	1	
66	B00199008A	SCREW,BPP 3*8 FZC G	2	
67	E0140770	POWER CORD,JPN PSE 7A G	1	[JPN], △
	3E009230	POWER CORD,UL/CSA SPEI-G	1	[T/C], △
	E0172550	POWER CORD,KOREA WS-006A	1	[KOR], △
	3E015210	POWER CORD,EUR-G	1	[EUR], △
	3E000350	POWER CORD,UK G	1	[UK], △
68	B00199708A	SCREW,BPB 3*8 FZB G	2	[EUR], Erp
69	3M0025400B	BRACKET,PCB(B) AD550 G	1	
A	(3E9000800B)	PCB,TAPE AD-800 G	1	"PCB,TAPE AD-800 G" on page 31
B	(3E0835800A)	LCM,FG15101-SJBW G	1	
C	(3E0010000B)	PCB,TRANS AD-800 G	1	"PCB,TRANS AD-800 G" on page 31
D	(3E9000500B)	PCB,CD/MCU AD-800 G	1	[JPN], [T/C], [KOR], [UK], "PCB,CD/MCU AD-800 G" on page 30
E	(3E9001100A)	PCB,PWR-SW AD-800 G	1	"PCB,PWR-SW AD-800 G" on page 31
F	(3E9000900A)	PCB,PHONE AD-800 G	1	"PCB,PHONE AD-800 G" on page 31
G	(3E9000600A)	PCB,KEY AD-800 G	1	"PCB,KEY AD-800 G" on page 30
H	(3E8000600A)	PCB,STANDBY G	1	Only [Erp Model], "PCB,STANDBY G" on page 33

9. PC Boards and Parts List

基板図とパーツリスト

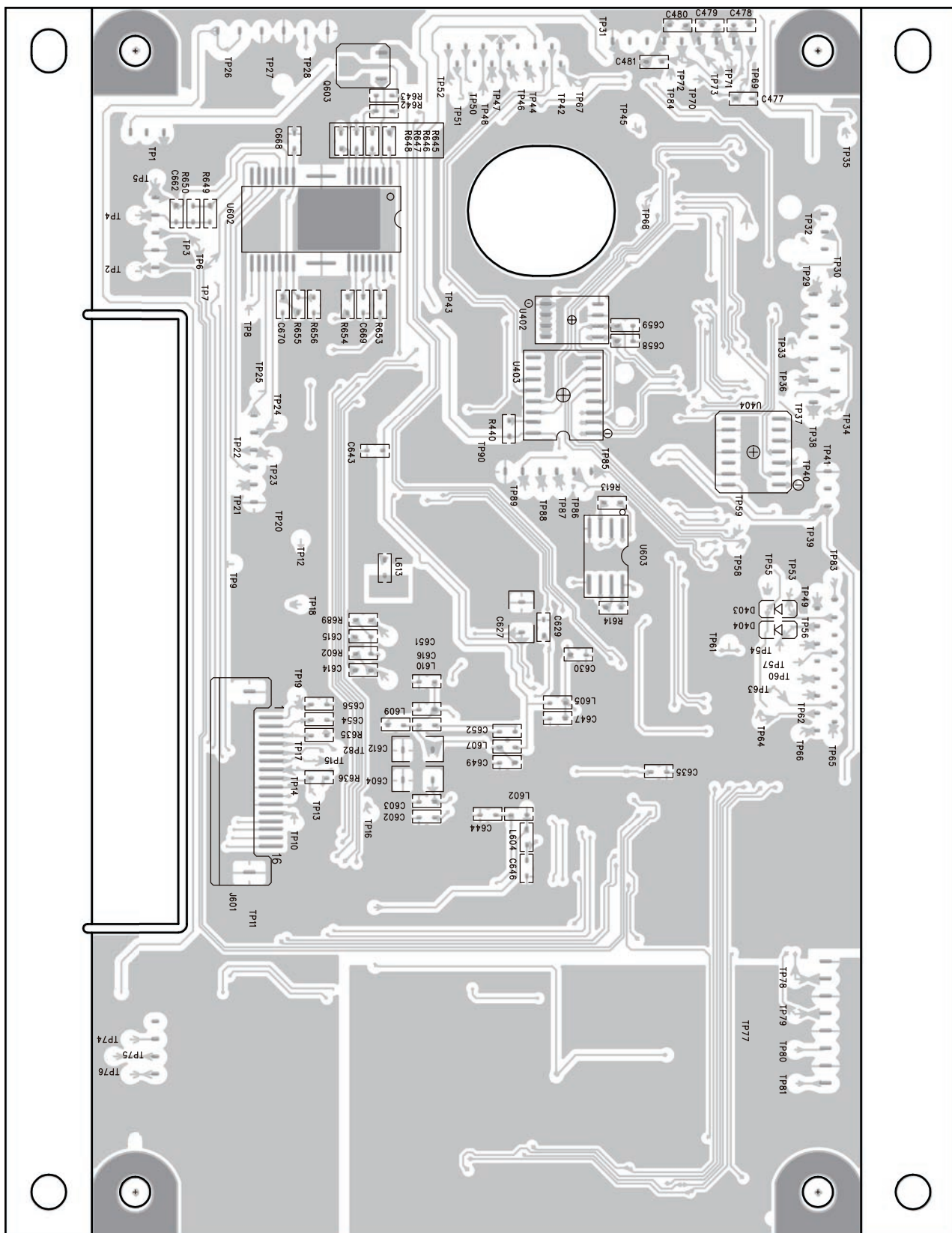
PCB, CD/MCU AD-800 G (Side A)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

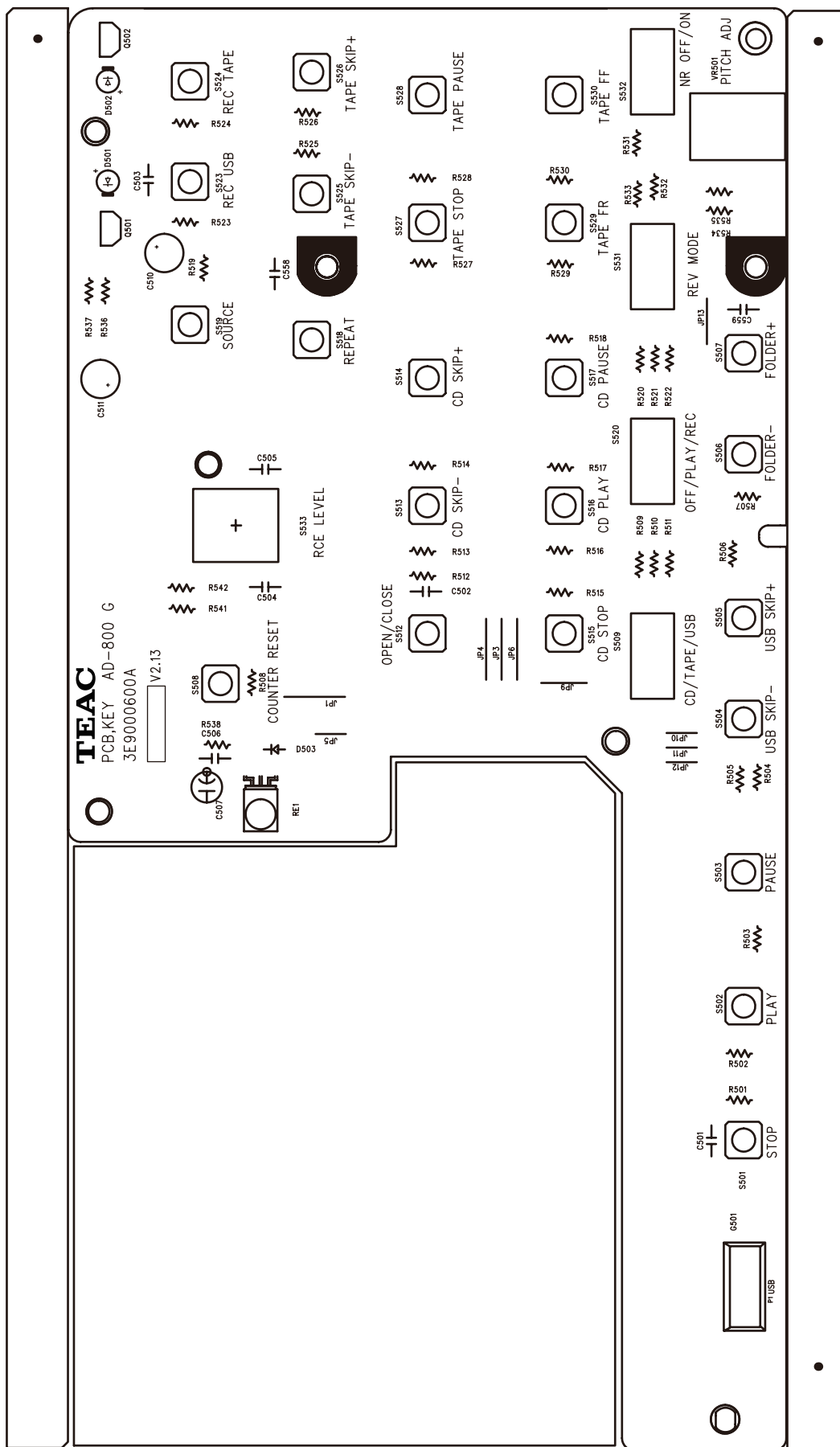
PCB, CD/MCU AD-800 G (Side B)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

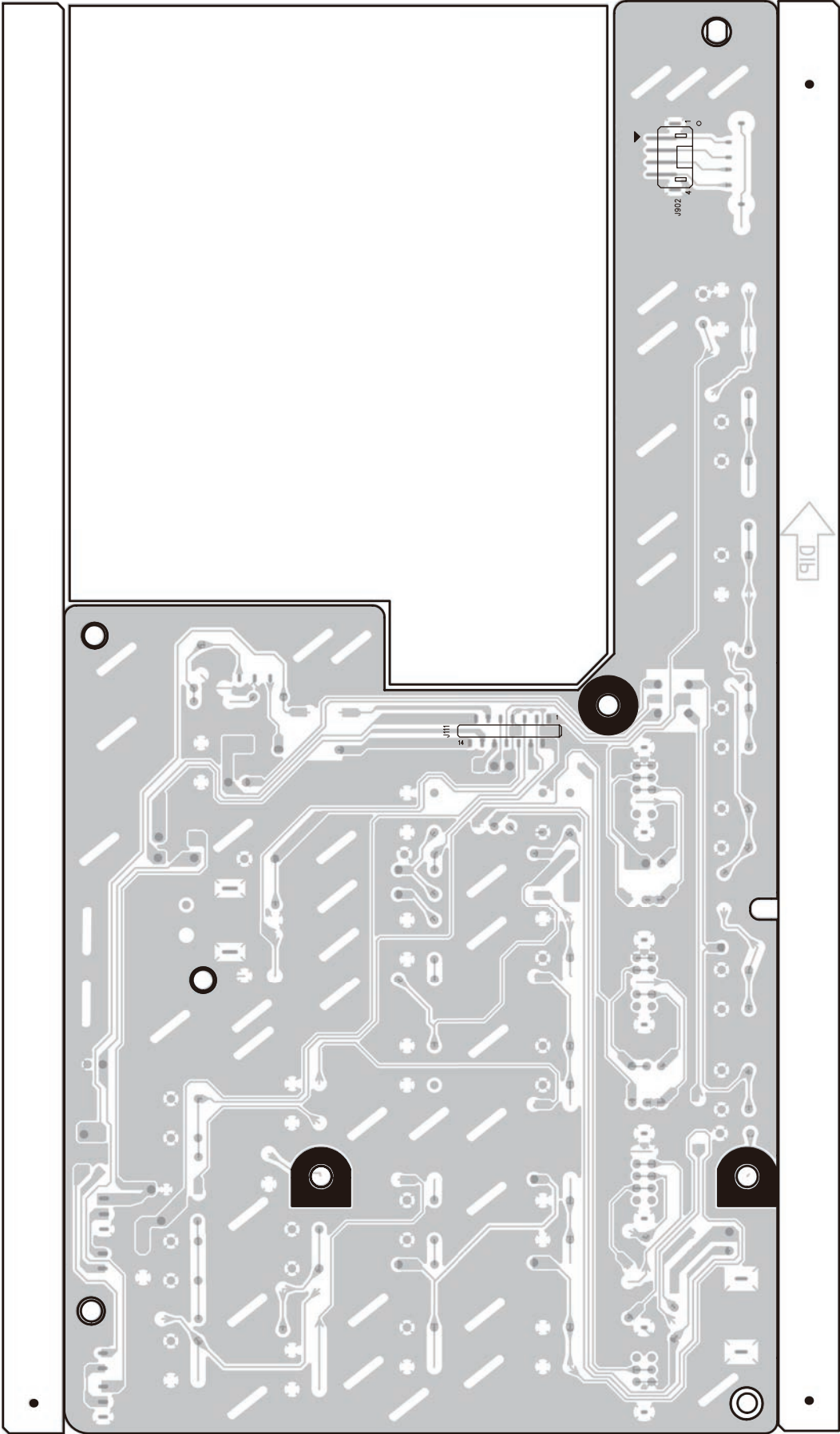
PCB, KEY AD-800 G (Side A)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

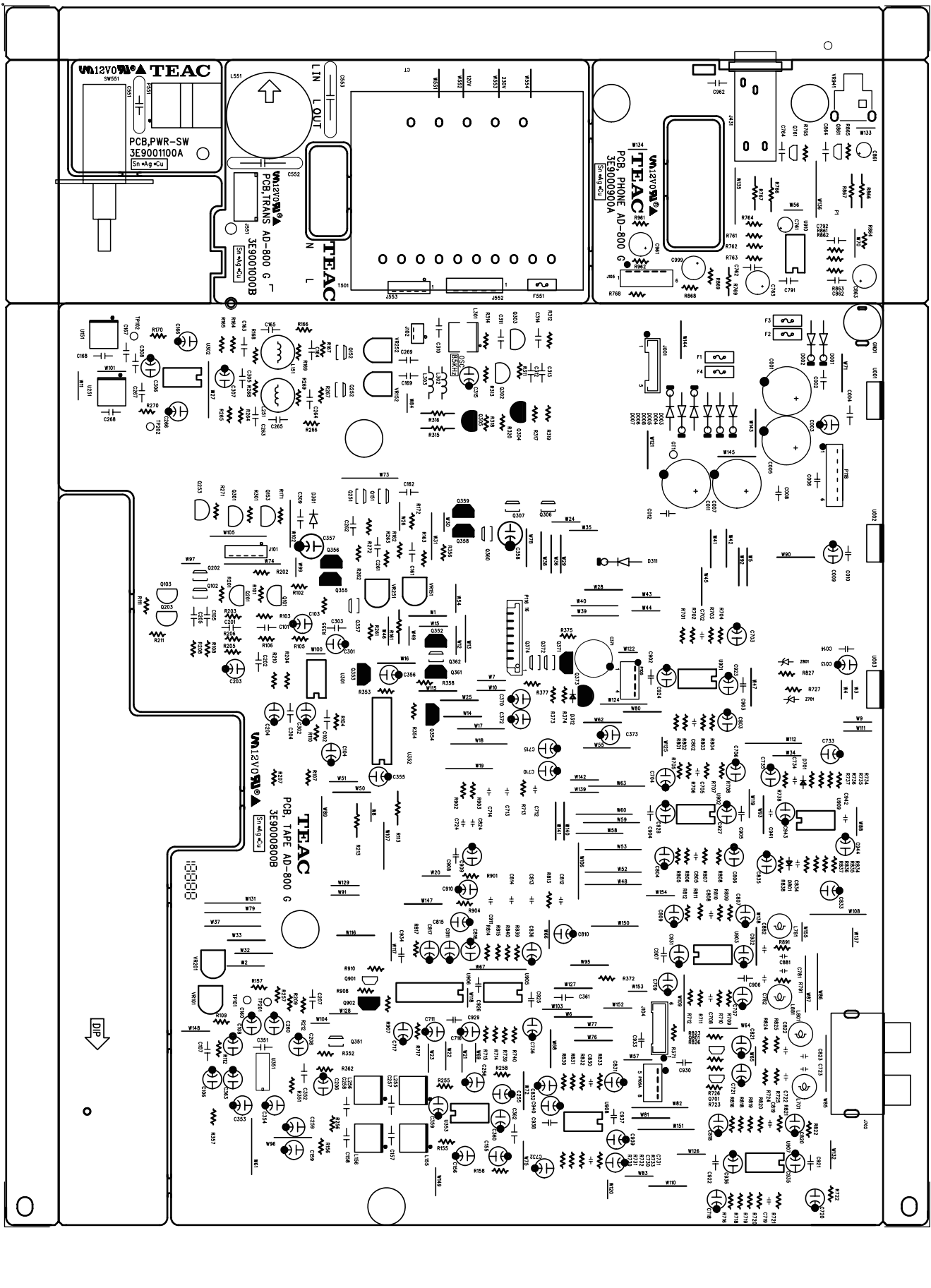
PCB, KEY AD-800 G (Side B)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

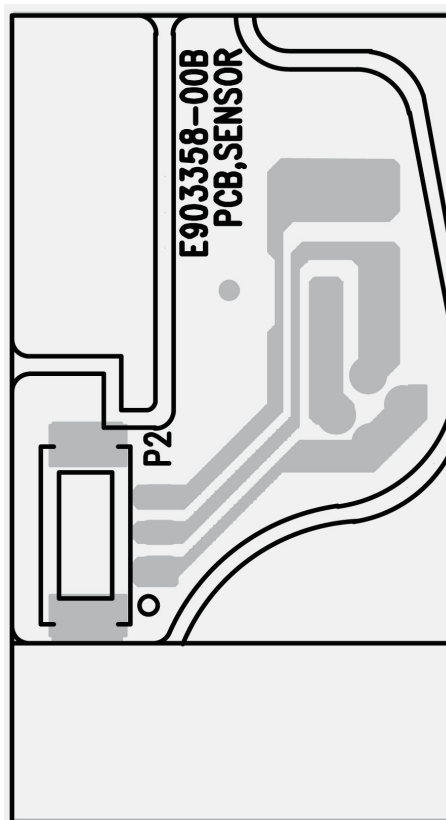
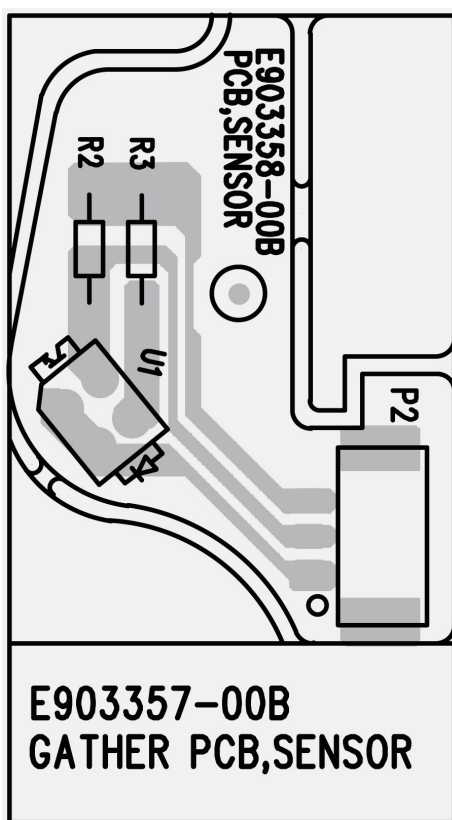
PCB, GATHER AD-800 G (Side A)



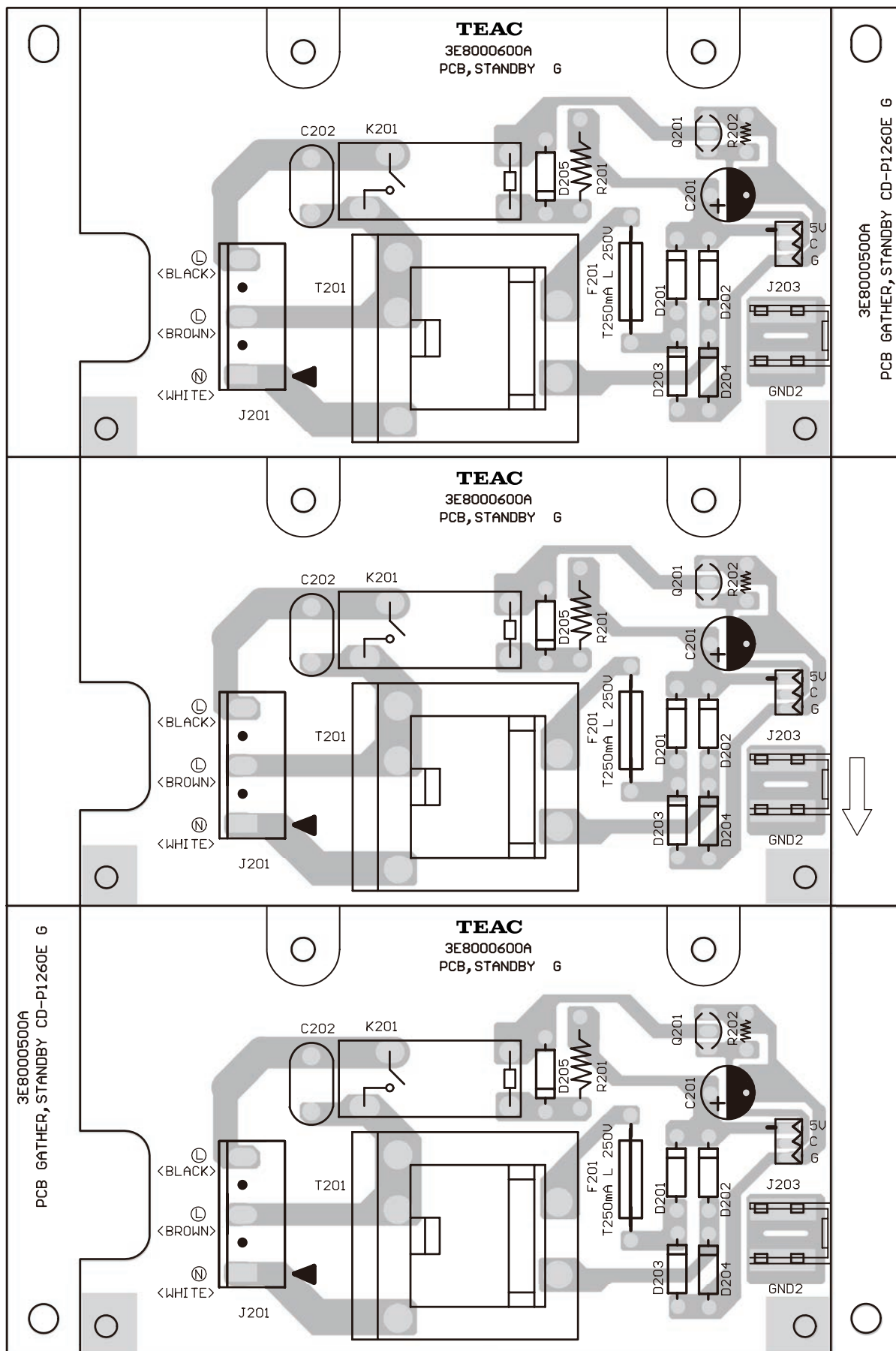
CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

GATHER PCB, SENSOR 222SL2 G (Side A/B)



PCB GATHER,STANDBY CD-P1260E G (Side A)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

注意 破線部分は、太字品番で発注する補修部品になります。

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

"()"付き品番は、発注できません。補修部品を発注する際は、太字品番で発注してください。

PCB,CD/MCU AD-800 G
CD/MCU 基板**PCB ASSY,KEY AD-800 G**
KEY 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS	REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
	3E9500500A	PCB ASSY,CD/MCU AD-800 G		U603	S0095144	IC,A25L0200-F G	
	3E9500552A	PCB ASSY,CD/MCU ERP2 AD-800 G		U604	3S038904	IC,WM8761GED/RV G	
		<i>PCB,CD/MCU AD-800 G</i>		U605	3S039014	IC,CE2632 G	
D403	S0022094	DIODE,1SS355		U606	3S038914	IC,RT9702 GB G	
D404	S0022094	DIODE,1SS355	[EUR], Erp	U607	S0095154	IC,D7029-2V9 G	
D405	S0095164	DIODE,SS14 G		X402	E0178394	XTAL,SSP-T7-F 32.768K7PFG	
D406	S0095164	DIODE,SS14 G		J108	E0119770	CONNECTOR,B 6B-PH-K-S G	
D603	S0022094	DIODE,1SS355		J112	E0119740	CONNECTOR,B 3B-PH-K-S G	
D604	S0022094	DIODE,1SS355		J113	E0023360	CONNECTOR,11FE-BT-VK-N G	
D605	S0021344	DIODE,RB160L-40		J114	3E082280	CONNECTER,1.0A-14PL	
J601	E0171284	CONNECTOR,80-ZFB2-16 G		J115	E0119790	CONNECTOR,B 8B-PH-K-S G	
L401	E0162194	BEAD COIL,BLM21BD222SN1 G		J116	E0150690	CONNECTOR,16FMN-BTRK G	
L402	E0162194	BEAD COIL,BLM21BD222SN1 G		J117	E0119800	CONNECTOR,B 9B-PH-K-S G	
L601	E0081244	COIL,BLM18PG600SN1D G		J118	E0102470	CONNECTOR,B 6B-EH(LF)(SN)	
L602	E0081244	COIL,BLM18PG600SN1D G		J121	E0119740	CONNECTOR,B 3B-PH-K-S G	[EUR], Erp
L603	E0081244	COIL,BLM18PG600SN1D G		J602	3E0824000A	WIRE ASSY,5P CD MECH AD-800 G	
L604	E0081244	COIL,BLM18PG600SN1D G		J603	3E0824100A	WIRE ASSY,6P LOADER AD-800 G	
L605	E0081244	COIL,BLM18PG600SN1D G		J605	3E0824700A	WIRE ASSY,4P USB AD-800 G	
L606	E0081244	COIL,BLM18PG600SN1D G		X401	3E082240	XTAL.10MHZ HC-49/S3 G	
L607	E0081244	COIL,BLM18PG600SN1D G		X601	3E039210G	XTAL,16.9344 MHZ G	
L608	E0081244	COIL,BLM18PG600SN1D G			3E9500600A	PCB ASSY,KEY AD-800 G	
L609	E0081244	COIL,BLM18PG600SN1D G				<i>PCB,KEY AD-800 G</i>	
L610	E0081244	COIL,BLM18PG600SN1D G		JP3	E0123301	JUMPER WIRE,10MM G	
L611	E0081244	COIL,BLM18PG600SN1D G		JP4	E0123301	JUMPER WIRE,10MM G	
L612	E0081244	COIL,BLM18PG600SN1D G		JP5	E0123241	JUMPER WIRE,5MM G	
L613	E0081244	COIL,BLM18PG600SN1D G		JP6	E0123301	JUMPER WIRE,10MM G	
L615	E0162194	BEAD COIL,BLM21BD222SN1 G		JP9	E0123271	JUMPER WIRE,7.5MM G	
L616	E0081244	COIL,BLM18PG600SN1D G		JP1	E0123301	JUMPER WIRE,10MM G	
L617	E0162194	BEAD COIL,BLM21BD222SN1 G		JP3	E0123301	JUMPER WIRE,10MM G	
L618	E0081244	COIL,BLM18PG600SN1D G		JP4	E0123301	JUMPER WIRE,10MM G	
L623	E0081244	COIL,BLM18PG600SN1D G		JP5	E0123241	JUMPER WIRE,5MM G	
L634	E0081244	COIL,BLM18PG600SN1D G		JP6	E0123301	JUMPER WIRE,10MM G	
L656	E0081244	COIL,BLM18PG600SN1D G		JP9	E0123271	JUMPER WIRE,7.5MM G	
L666	E0081244	COIL,BLM18PG600SN1D G		JP10	E0123241	JUMPER WIRE,5MM G	
Q402	S0075364	TRANSISTER,2SB1188 G		JP11	E0123241	JUMPER WIRE,5MM G	
Q403	S0065074	TRANSISTOR,DTC124EUA TP G		JP12	E0123241	JUMPER WIRE,5MM G	
Q404	S0075364	TRANSISTER,2SB1188 G		JP13	E0123271	JUMPER WIRE,7.5MM G	
Q405	S0065074	TRANSISTOR,DTC124EUA TP G		D501	S0065830	LED,SLR-342VR G	
Q406	S0065074	TRANSISTOR,DTC124EUA TP G		D501	3M0125900A	HOLDER,LED H=13 G	
Q407	S0065074	TRANSISTOR,DTC124EUA TP G		D502	S0065830	LED,SLR-342VR G	
Q408	S0041574	TRANSISTER,DTA124EUA G		D502	3M0125900A	HOLDER,LED H=13 G	
Q409	S0065074	TRANSISTOR,DTC124EUA TP G		G501	3E0176200A	WIRE ASSY,PHONE GND B G	
Q410	S0041574	TRANSISTER,DTA124EUA G		J111	3E041074	CONNECTER,1.0B-14PLB G	
Q601	S0066984	TRANSISTOR,2SA1037AK TP G		J902	E0101934	CONNECTOR,B4B-PH-SM4(LF) G	
Q603	S0075364	TRANSISTER,2SB1188 G		P1	E0188350	CONN,USB04142051W00RS G	
Q604	S0067484	TRANSISTOR,2SC4213B TP G		Q501	S0094422	TRANSISTOR,DTC124ESA G	
U401	3E0824600A	CPU ASSY,MCU AD-800 G		Q502	S0094422	TRANSISTOR,DTC124ESA G	
U402	S0095124	IC,CAT24C02WI-GT3 G		S501	E0127100	SW,TACT SKHHAM2520 G	
U403	3S038934	IC,TC4094BF G		S502	E0127100	SW,TACT SKHHAM2520 G	
U404	3S039034	IC,SN74LVC14ADR G					
U405	3S039024	IC,D1117-3V3 G					
U406	S0095154	IC,D7029-2V9 G					
U407	3S040154	IC,AY307DS G	[EUR], Erp				
U601	3S038954	IC,ALI M5675 G					
U602	S0095134	IC,SCA4720 G					

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

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PCB ASSY,KEY AD-800 G
KEY 基板**PCB,GATHER AD-800 G**
TAPE/PHONE/TRANS/PWR-SW 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS	REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
S503	E0127100	SW,TACT SKHHAM2520 G		W14	E0123301	JUMPER WIRE,10MM G	
S504	E0127100	SW,TACT SKHHAM2520 G		W15	E0123271	JUMPER WIRE,7.5MM G	
S505	E0127100	SW,TACT SKHHAM2520 G		W16	E0123301	JUMPER WIRE,10MM G	
S506	E0127100	SW,TACT SKHHAM2520 G		W17	E0123331	JUMPER WIRE,12.5MM G	
S507	E0127100	SW,TACT SKHHAM2520 G		W18	E0123361	JUMPER WIRE,15MM G	
S508	E0127100	SW,TACT SKHHAM2520 G		W19	E0123331	JUMPER WIRE,12.5MM G	
S509	3E082260	SW,SSSF023NC1-TK1 G		W20	E0123271	JUMPER WIRE,7.5MM G	
S512	E0127100	SW,TACT SKHHAM2520 G		W21	E0123271	JUMPER WIRE,7.5MM G	
S513	E0127100	SW,TACT SKHHAM2520 G		W22	E0123271	JUMPER WIRE,7.5MM G	
S514	E0127100	SW,TACT SKHHAM2520 G		W23	E0123271	JUMPER WIRE,7.5MM G	
S515	E0127100	SW,TACT SKHHAM2520 G		W24	E0123271	JUMPER WIRE,7.5MM G	
S516	E0127100	SW,TACT SKHHAM2520 G		W25	E0123301	JUMPER WIRE,10MM G	
S517	E0127100	SW,TACT SKHHAM2520 G		W26	E0123271	JUMPER WIRE,7.5MM G	
S518	E0127100	SW,TACT SKHHAM2520 G		W27	E0123361	JUMPER WIRE,15MM G	
S519	E0127100	SW,TACT SKHHAM2520 G		W28	E0123301	JUMPER WIRE,10MM G	
S520	3E082260	SW,SSSF023NC1-TK1 G		W29	E0123301	JUMPER WIRE,10MM G	
S523	E0127100	SW,TACT SKHHAM2520 G		W30	E0123241	JUMPER WIRE,5MM G	
S524	E0127100	SW,TACT SKHHAM2520 G		W31	E0123331	JUMPER WIRE,12.5MM G	
S525	E0127100	SW,TACT SKHHAM2520 G		W32	E0123301	JUMPER WIRE,10MM G	
S526	E0127100	SW,TACT SKHHAM2520 G		W33	E0123301	JUMPER WIRE,10MM G	
S527	E0127100	SW,TACT SKHHAM2520 G		W34	E0123271	JUMPER WIRE,7.5MM G	
S528	E0127100	SW,TACT SKHHAM2520 G		W35	E0123271	JUMPER WIRE,7.5MM G	
S529	E0127100	SW,TACT SKHHAM2520 G		W36	E0123301	JUMPER WIRE,10MM G	
S530	E0127100	SW,TACT SKHHAM2520 G		W37	E0123361	JUMPER WIRE,15MM G	
S531	3E082260	SW,SSSF023NC1-TK1 G		W38	E0123301	JUMPER WIRE,10MM G	
S532	E0174710	SW,SSSF022NC2-TK1 G		W39	E0123331	JUMPER WIRE,12.5MM G	
S533	3E037310	ENCODER,EC12E24404A6 G		W40	E0123331	JUMPER WIRE,12.5MM G	
	3E9500701A	PCBA GATHER JPN AD-800 G		W41	E0123301	JUMPER WIRE,10MM G	
	3E9500750A	PCBA GATHER EUR AD-800 G		W42	E0123301	JUMPER WIRE,10MM G	
	3E9500752A	PCBA,GATHER ERP2 AD-800 G		W43	E0123271	JUMPER WIRE,7.5MM G	
	3E9500790A	PCBA GATHER EX/T/C AD-800 G		W44	E0123271	JUMPER WIRE,7.5MM G	
		<i>PCB,TAPE AD-800 G</i>		W45	E0123301	JUMPER WIRE,10MM G	
		<i>PCB,PHONE AD-800 G</i>		W46	E0123271	JUMPER WIRE,7.5MM G	
		<i>PCB,TRANS AD-800 G</i>		W47	E0123301	JUMPER WIRE,10MM G	
		<i>PCB,PWR-SW AD-800 G</i>		W48	E0123361	JUMPER WIRE,15MM G	
D301	S0067021	@DIODE,1SS133 T-77 G		W49	E0123241	JUMPER WIRE,5MM G	
D312	S0067021	@DIODE,1SS133 T-77 G		W50	E0123301	JUMPER WIRE,10MM G	
D701	S0067021	@DIODE,1SS133 T-77 G		W51	E0123271	JUMPER WIRE,7.5MM G	
D801	S0067021	@DIODE,1SS133 T-77 G		W52	E0123361	JUMPER WIRE,15MM G	
L302	3E003711G	COIL, 10UH EC24-100K-T2 G		W53	E0123361	JUMPER WIRE,15MM G	
L303	3E003711G	COIL, 10UH EC24-100K-T2 G		W54	E0123271	JUMPER WIRE,7.5MM G	
L701	E0123241	JUMPER WIRE,5MM G		W55	E0123331	JUMPER WIRE,12.5MM G	
L801	E0123241	JUMPER WIRE,5MM G		W56	E0123271	JUMPER WIRE,7.5MM G	
W1	E0123301	JUMPER WIRE,10MM G		W57	E0123271	JUMPER WIRE,7.5MM G	
W2	E0123301	JUMPER WIRE,10MM G		W58	E0123331	JUMPER WIRE,12.5MM G	
W3	E0123241	JUMPER WIRE,5MM G		W59	E0123361	JUMPER WIRE,15MM G	
W4	E0123241	JUMPER WIRE,5MM G		W60	E0123361	JUMPER WIRE,15MM G	
W5	E0123301	JUMPER WIRE,10MM G		W61	E0123361	JUMPER WIRE,15MM G	
W6	E0123301	JUMPER WIRE,10MM G		W62	E0123301	JUMPER WIRE,10MM G	
W7	E0123271	JUMPER WIRE,7.5MM G		W63	E0123361	JUMPER WIRE,15MM G	
W8	E0123241	JUMPER WIRE,5MM G		W64	E0123271	JUMPER WIRE,7.5MM G	
W9	E0123271	JUMPER WIRE,7.5MM G		W65	E0123241	JUMPER WIRE,5MM G	
W10	E0123271	JUMPER WIRE,7.5MM G		W66	E0123271	JUMPER WIRE,7.5MM G	
W11	E0123271	JUMPER WIRE,7.5MM G		W67	E0123241	JUMPER WIRE,5MM G	
W12	E0123271	JUMPER WIRE,7.5MM G		W68	E0123301	JUMPER WIRE,10MM G	
W13	E0123331	JUMPER WIRE,12.5MM G		W69	E0123241	JUMPER WIRE,5MM G	
				W70	E0123271	JUMPER WIRE,7.5MM G	
				W71	E0123301	JUMPER WIRE,10MM G	
				W72	E0123301	JUMPER WIRE,10MM G	
				W73	E0123361	JUMPER WIRE,15MM G	
				W74	E0123361	JUMPER WIRE,15MM G	

CAUTION Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

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PCB,GATHER AD-800 G
TAPE/PHONE/TRANS/PWR-SW 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS	REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
W75	E0123271	JUMPER WIRE,7.5MM G		W141	E0123301	JUMPER WIRE,10MM G	
W76	E0123301	JUMPER WIRE,10MM G		W142	E0123271	JUMPER WIRE,7.5MM G	
W77	E0123301	JUMPER WIRE,10MM G		W143	E0123301	JUMPER WIRE,10MM G	
W78	E0123301	JUMPER WIRE,10MM G		W144	E0123301	JUMPER WIRE,10MM G	
W79	E0123361	JUMPER WIRE,15MM G		W145	E0123301	JUMPER WIRE,10MM G	
W80	E0123301	JUMPER WIRE,10MM G		W147	E0123301	JUMPER WIRE,10MM G	
W81	E0123301	JUMPER WIRE,10MM G		W148	E0123271	JUMPER WIRE,7.5MM G	
W82	E0123361	JUMPER WIRE,15MM G		W149	E0123271	JUMPER WIRE,7.5MM G	
W83	E0123271	JUMPER WIRE,7.5MM G		W150	E0123331	JUMPER WIRE,12.5MM G	
W84	E0123241	JUMPER WIRE,5MM G		W151	E0123361	JUMPER WIRE,15MM G	
W85	E0123361	JUMPER WIRE,15MM G		W152	E0123271	JUMPER WIRE,7.5MM G	
W86	E0123361	JUMPER WIRE,15MM G		W153	E0123241	JUMPER WIRE,5MM G	
W87	E0123361	JUMPER WIRE,15MM G		W154	E0123271	JUMPER WIRE,7.5MM G	
W88	E0123271	JUMPER WIRE,7.5MM G		W155	E0123241	JUMPER WIRE,5MM G	
W89	E0123331	JUMPER WIRE,12.5MM G					
W90	E0123301	JUMPER WIRE,10MM G		Z701	3S002041	@ZDI,MTZJ3.3B T-77	
W91	E0123271	JUMPER WIRE,7.5MM G		Z801	3S002041	@ZDI,MTZJ3.3B T-77	
W92	E0123301	JUMPER WIRE,10MM G					
W93	E0123301	JUMPER WIRE,10MM G		C551	E0122630	SPK KILLER,CS12-F2GA472MYAS G	△
W95	E0123301	JUMPER WIRE,10MM G		C551	M0338700	COVER,C HU-10 CAP G	△
W96	E0123301	JUMPER WIRE,10MM G					
W97	E0123241	JUMPER WIRE,5MM G		D001	S0071811	DI,1N4003-F TAPINGW=52 G	
W99	E0123241	JUMPER WIRE,5MM G		D002	S0071811	DI,1N4003-F TAPINGW=52 G	
W100	E0123241	JUMPER WIRE,5MM G		D003	S0071811	DI,1N4003-F TAPINGW=52 G	
W101	E0123271	JUMPER WIRE,7.5MM G		D004	S0071811	DI,1N4003-F TAPINGW=52 G	
W102	E0123331	JUMPER WIRE,12.5MM G		D005	S0071811	DI,1N4003-F TAPINGW=52 G	
W103	E0123271	JUMPER WIRE,7.5MM G		D006	S0071811	DI,1N4003-F TAPINGW=52 G	
W104	E0123241	JUMPER WIRE,5MM G		D007	S0071811	DI,1N4003-F TAPINGW=52 G	
W105	E0123361	JUMPER WIRE,15MM G		D008	S0071811	DI,1N4003-F TAPINGW=52 G	
W106	E0123361	JUMPER WIRE,15MM G		D311	S0071811	DI,1N4003-F TAPINGW=52 G	
W107	E0123331	JUMPER WIRE,12.5MM G					
W108	E0123361	JUMPER WIRE,15MM G		F1	E0148702	CKT PTCT,1.35A RXEF135 TPG	△
W109	E0123361	JUMPER WIRE,15MM G		F2	E0148702	CKT PTCT,1.35A RXEF135 TPG	△
W110	E0123301	JUMPER WIRE,10MM G		F3	E0148702	CKT PTCT,1.35A RXEF135 TPG	△
W111	E0123271	JUMPER WIRE,7.5MM G		F4	E0148702	CKT PTCT,1.35A RXEF135 TPG	△
W112	E0123361	JUMPER WIRE,15MM G					
W115	E0123301	JUMPER WIRE,10MM G		J001	E0156820	CONNECTOR,B 5B-EHA(LF) G	
W116	E0123301	JUMPER WIRE,10MM G		J101, J102	E01547400A	HARN ASSY,HEAD A550 G	
W117	E0123271	JUMPER WIRE,7.5MM G		J104	E0119770	CONNECTOR,B 6B-PH-K-S G	
W118	E0123241	JUMPER WIRE,5MM G		J105	3E0823900A	WIRE ASSY,6P H/P AD-800 G	
W119	E0123271	JUMPER WIRE,7.5MM G		J431	E0156560	JACK,PHONE JY6317A-02030G	
W120	E0123241	JUMPER WIRE,5MM G		J551	E01524200A	HARN ASSY,AC PWR A550 G	△
W121	E0123301	JUMPER WIRE,10MM G		J552	E01546300A	HARN ASSY,PWR TAPE A550 G	
W122	E0123241	JUMPER WIRE,5MM G		J702	E0123140	JACK,RJ-1073B-09-0320A G	
W124	E0123331	JUMPER WIRE,12.5MM G					
W125	E0123241	JUMPER WIRE,5MM G		L151	3E004421G	COIL, 8.2MH EC46-822J-T5G	
W126	E0123271	JUMPER WIRE,7.5MM G		L155	E01523300A	@VAR COIL,MPX 079418007 G	
W127	E0123301	JUMPER WIRE,10MM G		L156	E01523400A	@VAR COIL,MPX 079418008 G	
W128	E0123271	JUMPER WIRE,7.5MM G		L251	3E004421G	COIL, 8.2MH EC46-822J-T5G	
W129	E0123271	JUMPER WIRE,7.5MM G		L255	E01523300A	@VAR COIL,MPX 079418007 G	
W131	E0123361	JUMPER WIRE,15MM G		L256	E01523400A	@VAR COIL,MPX 079418008 G	
W132	E0123271	JUMPER WIRE,7.5MM G		L301	E01431500A	@TRANS,BIAS OSC 85KHZ G	
W133	E0123241	JUMPER WIRE,5MM G		L551	3E004290G	@COIL,1MH1.5AFKOB160MH16 G	△
W134	E0123241	JUMPER WIRE,5MM G					
W135	E0123361	JUMPER WIRE,15MM G		LIN;LOUT;230V	3E0844700A	WIRE ASSY,3PIN POWER G	[EUR],Erp,*1
W136	E0123361	JUMPER WIRE,15MM G					
W137	E0123241	JUMPER WIRE,5MM G		P001	E0178160	TERMINAL,LAPPING 2P G	
W138	E0123301	JUMPER WIRE,10MM G		P105, P105A	3E0824400A	WIRE ASSY,8P AUDIO AD-800 G	
W139	E0123271	JUMPER WIRE,7.5MM G		P116	E0150690	CONNECTOR,16FMN-BTRK G	
W140	E0123301	JUMPER WIRE,10MM G		P118	3E0824200A	WIRE ASSY,6P POWER AD-800 G	

*1 : to J201 on PCBA, ErP2 STANDBY / "11. Appendix" on page 34

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PCB,GATHER AD-800 G
TAPE/PHONE/TRANS/PWR-SW 基板

GATHER PCBA, SER 222SL2 G
SENSOR 基板

GATHER PCBA, STANDBY AD-800G
STANDBY 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS	REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
P551	E0111890	CONN,B2P3S-VH(LF)(SN)	△	Q360	S0094422	TRANSISTOR,DTC124ESA G	
SW551	E0151430	SW,POWER SFDLB 11B7U G		Q361	S0094402	TRANSISTOR,DTA124ESA G	
TP101	E0127550	PIN,TEST G		Q362	S0094422	TRANSISTOR,DTC124ESA G	
TP201	E0127550	PIN,TEST G		Q371	S0094402	TRANSISTOR,DTA124ESA G	
U001	S0069960	IC,BA05CC0T G		Q372	S0094422	TRANSISTOR,DTC124ESA G	
U002	S0075052	@IC,TA7807SB(TP,Q) G		Q373	S0066842	@TRANSISTOR,2SA1015GR-T G	
U003	S0075072	@IC,TA79007SB(TP,Q) G		Q374	S0094422	TRANSISTOR,DTC124ESA G	
U151	E01523300A	@VAR COIL,MPX 079418007 G		Q701	S0074832	TRANSISTOR,KTC2874BAT/PG	
U251	E01523300A	@VAR COIL,MPX 079418007 G		Q761	S0074832	TRANSISTOR,KTC2874BAT/PG	
U301	3S000280G	@IC,UPC4570C-A G		Q801	S0074832	TRANSISTOR,KTC2874BAT/PG	
U302	S0064550	IC,NJM4558D G		Q861	S0074832	TRANSISTOR,KTC2874BAT/PG	
U351	S0061754	@IC,HA12134AFEL-E G		Q901	S0094422	TRANSISTOR,DTC124ESA G	
U352	S0078210	IC,BU4066BC G		Q902	S0094402	TRANSISTOR,DTA124ESA G	
U353	S0064550	IC,NJM4558D G			(E95335700A)	GATHER PCBA,SER 222SL2 G	
U901	S0064550	IC,NJM4558D G			E95335800A	PCB ASSY,SENSOR 222SL2 G	
U902	S0064550	IC,NJM4558D G				<i>PCB,SENSOR 222SLMK2 G</i>	
U903	S0064550	IC,NJM4558D G		P2	3E007850G	CONNEC,B3B-PH-SM4-TB(LF)G	
U904	3S038924	IC,LC75348M G		U1	S0075300	PHOTO SNSR,RPR-220 G	
U905	S0064550	IC,NJM4558D G			(3E8500900A)	GATHER PCBA,STANDBY AD-800 G	[EUR], Erp
U906	S0078210	IC,BU4066BC G			3E8500601A	PCBA,ErP2 STANDBY AD-800G	[EUR], Erp
U907	S0064550	IC,NJM4558D G				<i>PCB,STANDBY G</i>	
U908	S0064550	IC,NJM4558D G		D201	S0071811	DI,1N4003-F TAPINGW=52 G	
U909	S0064550	IC,NJM4558D G		D202	S0071811	DI,1N4003-F TAPINGW=52 G	
U910	3S000840	IC, BA4560 G		D203	S0071811	DI,1N4003-F TAPINGW=52 G	
VR941	R0202790	VAR REG,50KAX2 RK09K12AG		D204	S0071811	DI,1N4003-F TAPINGW=52 G	
W551	E0123271	JUMPER WIRE,7.5MM G	[JPN]	D205	S0071811	DI,1N4003-F TAPINGW=52 G	
W553	E0123271	JUMPER WIRE,7.5MM G	[KOR], [UK]	F201	3E082340	FUSE ICP,T250mAL 250V"UL/CSA/VDE"MARK G	
Q101	S0065482	@TR,2SC1815-GR(TPE2.F) GZO		GND2	M01510100A	BRACKET,PCB-A G	
Q102	S0094422	TRANSISTOR,DTC124ESA G		J201	3E0845200A	CONNECTOR,B3P5VH(LF)(SN) G	△
Q103	S0065482	@TR,2SC1815-GR(TPE2.F) GZO		J203	3E0844900A	WIRE ASSY,3P CONTROL G	
Q151	S0094422	TRANSISTOR,DTC124ESA G		Q201	S0074832	TRANSISTOR,KTC2874BAT/PG	
Q152	S0094422	TRANSISTOR,DTC124ESA G		T201	3E0845300A	TRANS ErP2 T09172B G	△
Q153	S0096582	TRANSISTOR,KTC3200GR G					
Q201	S0065482	@TR,2SC1815-GR(TPE2.F) GZO					
Q202	S0094422	TRANSISTOR,DTC124ESA G					
Q203	S0065482	@TR,2SC1815-GR(TPE2.F) GZO					
Q251	S0094422	TRANSISTOR,DTC124ESA G					
Q252	S0094422	TRANSISTOR,DTC124ESA G					
Q253	S0096582	TRANSISTOR,KTC3200GR G					
Q301	S0096582	TRANSISTOR,KTC3200GR G					
Q302	S0065482	@TR,2SC1815-GR(TPE2.F) GZO					
Q303	S0065482	@TR,2SC1815-GR(TPE2.F) GZO					
Q304	S0066842	@TRANSISTOR,2SA1015GR-T G					
Q305	S0066842	@TRANSISTOR,2SA1015GR-T G					
Q306	S0094422	TRANSISTOR,DTC124ESA G					
Q307	S0094422	TRANSISTOR,DTC124ESA G					
Q351	S0094422	TRANSISTOR,DTC124ESA G					
Q353	S0094402	TRANSISTOR,DTA124ESA G					
Q354	S0094402	TRANSISTOR,DTA124ESA G					
Q355	S0094422	TRANSISTOR,DTC124ESA G					
Q356	S0094402	TRANSISTOR,DTA124ESA G					
Q357	S0094422	TRANSISTOR,DTC124ESA G					
Q358	S0094402	TRANSISTOR,DTA124ESA G					
Q359	S0094402	TRANSISTOR,DTA124ESA G					

10. Included Accessories

付属品

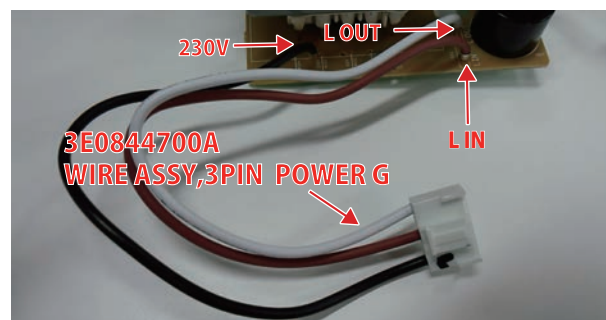
Included Items

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
	3E0824800A	RMT CONT,RC-1257	[EUR], [JPN], [T/C], [KOR], [UK]
	E0155030	BATTERY,UM4(ENGLISH)G	[EUR], [JPN], [T/C], [KOR], [UK]
	3E000380	PIN CORD, G	[EUR], [JPN], [T/C], [KOR], [UK]
	D00822001C	WARR CARD,ENG/FRE C A G	[EUR], [UK]
	5700139901	WARR CARD,T/C G	[T/C]
	D00729700E	WARR CARD,(JPN) G	[JPN]
	3D0789700C	OWN MNL,AD-800 EFS G	[EUR], [T/C], [UK]
	3D0789800C	OWN MNL,AD-800 DIH G	[EUR]
	3D0789600C	OWN MNL,AD-800 JPN G	[JPN]
	3D0791200C	OWN MNL,AD-800 KOR G	[KOR]
	3D0790710A	OUTLINE MNL,AD-800 EFS G	[EUR], [T/C], [UK]
	3D0790720A	OUTLINE MNL,AD-800 GIN G	[EUR]
	3D0790700A	OUTLINE MNL,AD-800 J G	[JPN]

11. Appendix

付録

Jumper	Power requirement			REMARKS
	AC100V	AC120V	AC230V	
W551	●	-	-	[JPN]
W553	-	-	●	[KOR], [UK]
(S553)	-	●	●	[T/C], [EUR], Switch by S553(3E040130)



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.

[JPN] : JAPAN [T/C] : U.S.A./CANADA [KOR] : KOREA

[EUR] : EUROPE [UK] : U.K.

[AUS] : AUSTRALIA [TM] : TAIWAN

[CHI] : CHINA

注意

- プリント基板図は部品面を示しています。
- *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および品番のない部品は供給できません。
- 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。交換する時は必ず指定の部品を使用してください。
- 仕向先

[JPN] : JAPAN [T/C] : U.S.A./CANADA [KOR] : KOREA

[EUR] : EUROPE [UK] : U.K.

[AUS] : AUSTRALIA [TM] : TAIWAN

[CHI] : CHINA