JAX-PK3(CX-JN3)

MANUAL DE SERVIÇO

Brazilian Model

Versão 1.1 11.2003

Seção CD	Modelo que usa mecanismo similar	JAX-PK1
	Tipo do Mecanismo do CD	CDM74-K6BD71B,
	Tipo de unidade base	BU-K6BD71B,
	Mecanismo de unidade ótica	KSM-213DCP
	Tipo de unidade ótica	KSS-213D
Tape deck Section	Modelo que usa mecanismo similar	JAX-PK1
	Tipo do Mecanismo de Fita	CWM43FF05

Especificações Técnicas

CX-JN3

RÁDIO

Faixa de sintonização em FM	87,5 MHz a 108 MHz
Sensibilidade FM utilizável (IHF)	13,2 dBf
Terminal de antena de FM	75 ohms (não balanceado)
Faixa de sintonização em AM	530 kHz a 1710 kHz (intervalos de 10 kHz) 531 kHz a 1710 kHz (intervalos de 9 kHz)
Sensibilidade AM utilizável	350 µV/m
Antena de AM	Antena Loop de AM

AMPLIFICADOR

Potência de saída	Nominal: 48 W + 48 W (1 kHz, T.H.D. 1 %, 6 ohms) Referência: 60 W + 60 W (1 kHz, T.H.D. 10 %, 6 ohms)
Distorção harmônica total	0,08 % (24 W, 1 kHz, 6 ohms, DIN AUDIO)
Entrada	VIDEO/AUX: 400 mV MIC: 1,7 mV (10 k ohms)
Saída	SPEAKER: 6 ohms ou mais PHONES: 32 ohms ou mais

REPRODUTOR DE FITAS

Sistema de gravação	4 pistas, 2 canais estéreo
Resposta de freqüência	50 Hz – 8 kHz
Sistema de gravação	Polarização CA
Cabeças	Deck A: reprodutora x 1 Deck B: gravadora/reprodutora x 1, apagadora x 1

REPRODUTOR DE CD

Laser	Laser semicondutor (λ = 780 nm)
	Duração de emissão: contínua
Conversor D/A	1 bit dual
Relação sinal/ruído	85 dB (1 kHz, 0 dB)
Distorção harmônica	0.05 % (1 kHz, 0 dB)

GERAL

Alimentação	127V/220 V CA (ajustável), 60 Hz
Consumo	80 W
Consumo no modo de espera	Com o modo ECO ligado: 0,25 W Com o modo ECO desligado: 20 W
Dimensões (L x A x P)	280 x 330 x 392,5 mm
Peso (aprox.)	7,1 kg

DIREITOS AUTORAIS

Verifique os direitos autorais referentes à gravação de discos, rádio ou fitas no local onde o aparelho for utilizado.

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SISTEMA COMPACTO DE SOM

Notas sobre substituição de componentes tipo chip

- Nunca reutilize um componente tipo chip.
- Informamos que os capacitores eletrolíticos de tântalo podem ser danificados se expostos a altas temperaturas.

Notas sobre o reparo da placa de circuito impresso

- Mantenha a temperatura do ferro de solda por volta de 270°C durante o reparo.
- Não ressolde componentes em um mesmo ponto da placa mais de três vezes.
- Tenha cuidado para não forçar os condutores (trilhas) da placa durante o processo de soldagem e dessoldagem.

Atenção
O uso dos controles, ajustes ou execução de procedimentos que não sejam os descritos nesse manual, podem causar exposição a uma perigosa radiação.

VERIFICAÇÃO DE SEGURANÇA

Depois de corrigido o problema de manutenção original, execute as seguintes verificações de segurança antes de liberar o aparelho para o consumidor: verifique os terminais de antena, o acabamento metálico, os botões "metalizados", os parafusos e outras peças de metal expostas, para verificar se não há fuga AC:

FUGA

A fuga de AC de alguma parte do metal exposta à terra e de todas as partes de metal expostas que tenham retorno ao chassi, não deve exceder 0,5mA (500 micro-amperes). A corrente de fuga pode ser medida por qualquer um dos três métodos abaixo:

1. Um aparelho medidor de fuga, como o Simpson 229 ou o RCA WT-540A. siga as instruções dos fabricantes para usar esses instrumentos.
2. Um miliamperímetro operado a bateria. O multímetro digital Data Precision 245 é adequado para esse serviço.
3. Medindo a queda de tensão através de um resistor por meio de um multímetro ou de um voltímetro de AC operado a bateria. A indicação de limite é de 0,75 V, desse modo os medidores analógicos precisam ter uma escala precisa de baixa tensão. O Simpson 250 e o Sanwa SH-63Trd são exemplos de multímetros operados a bateria, que têm uma faixa de 2V AC, são adequados.

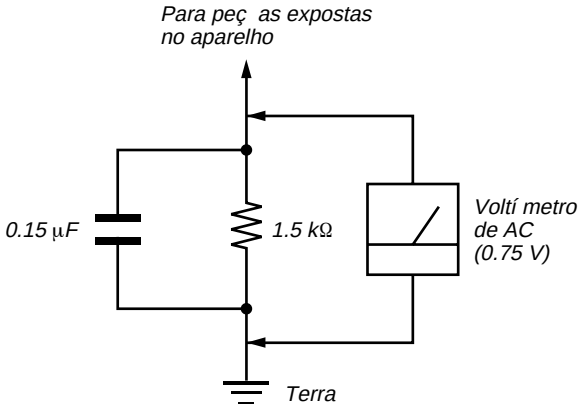


Fig. A. Usando um voltimetro AC para verificar a corrente de fuga

ATENÇÃO COM OS COMPONENTES DE SEGURANÇA !

OS COMPONENTES IDENTIFICADOS COM A MARCA ⚠ NOS DIAGRAMAS ESQUEMÁTICOS E NA LISTA DE PEÇAS SÃO CRÍ TICOS PARA A SEGURANÇ A. SOMENTE OS SUBSTITUA POR PEÇAS NUMERICAMENTE IDENTIFICADAS NESSE MANUAL OU EM SUPLEMENTOS PUBLICADOS PELA SONY.

ÍNDICE

SEÇÃO 1
NOTAS DE SERVIÇOS

NOTAS SOBRE O MANUSEIO DA UNIDADE ÓTICA

O diodo laser da unidade óptica é sensível a descargas eletroestáticas podendo ser danificado por descargas causadas por roupas ou mesmo pelo corpo humano. Durante o reparo tenha cuidado para não causar danos a unidade, devido a descargas eletroestáticas e siga corretamente os procedimentos descritos nesse manual para a execução de reparos e troca de componentes. As placas de circuito impresso são facilmente danificadas, tenha muito cuidado para manuseá-las.

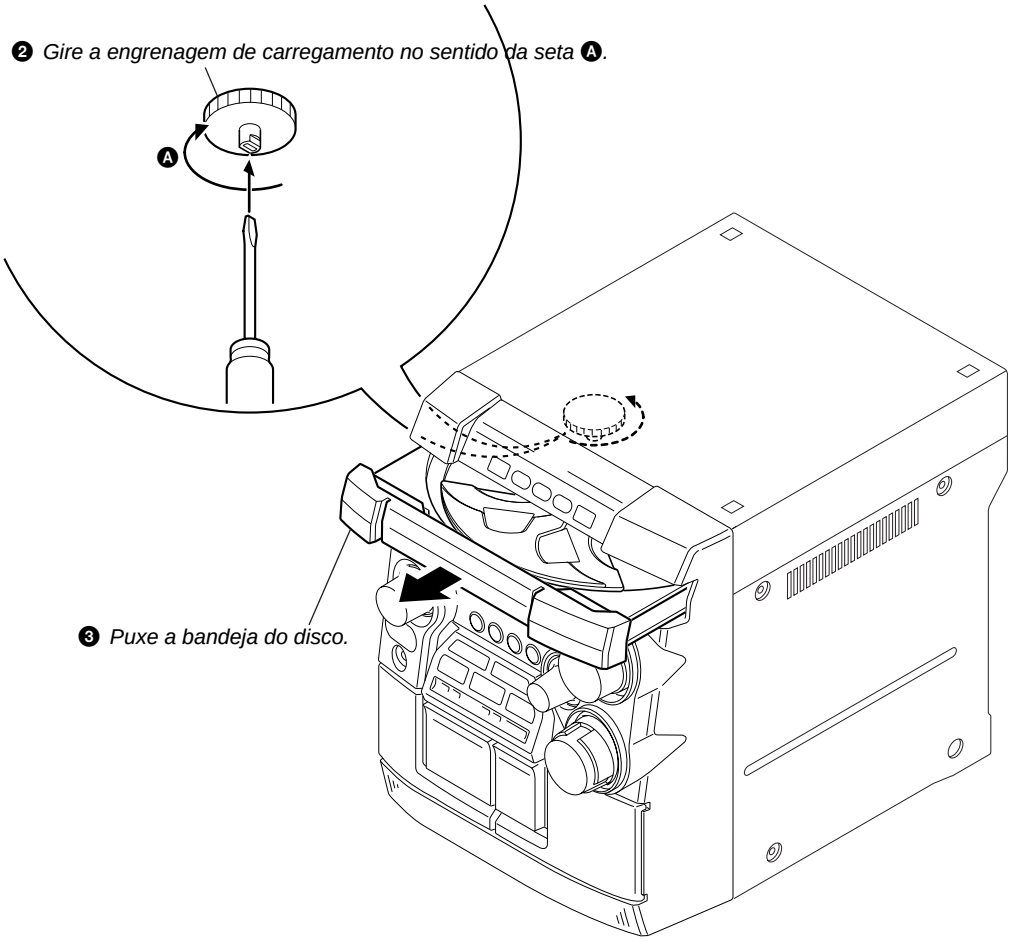
NOTAS SOBRE O DIODO EMISSOR DE LASER

O feize laser nesse modelo é concentrado e deve ser focado na superfície reflexiva do disco, pela lente objetiva da unidade óptica. Quando observar a emissão do diodo laser, tome o cuidado de estar no mínimo a 30 cm da lente objetiva.

COMO ABRIR A BANDEJA DO DISCO QUANDO O APRELHO NÃO LIGA

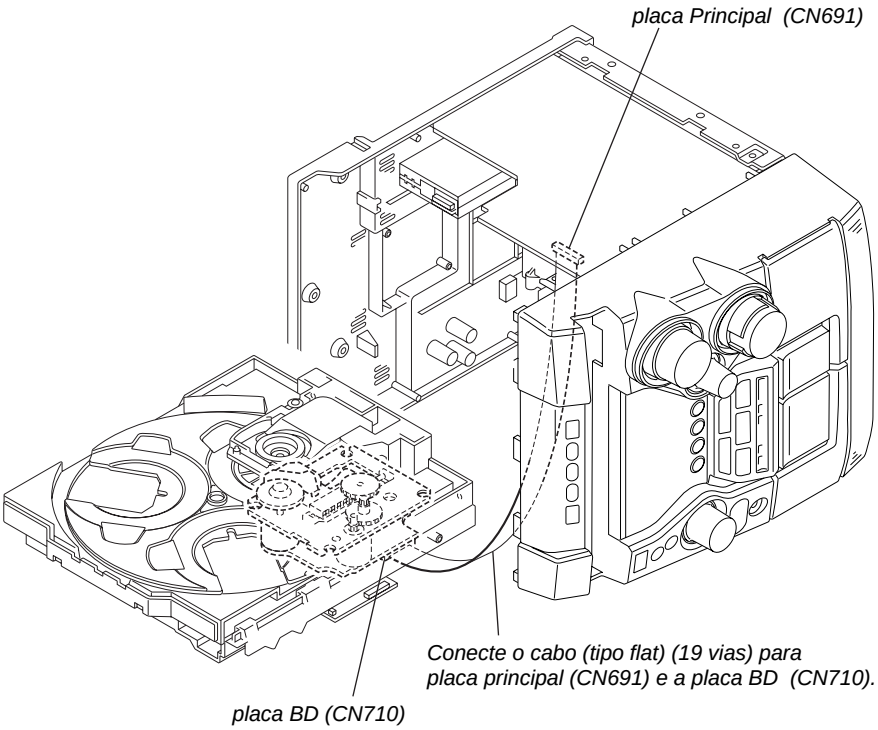
❶ *Retire a tampa lateral esquedo*

❷ *Gire a engrenagem de carregamento no sentido da seta* Ⓐ.

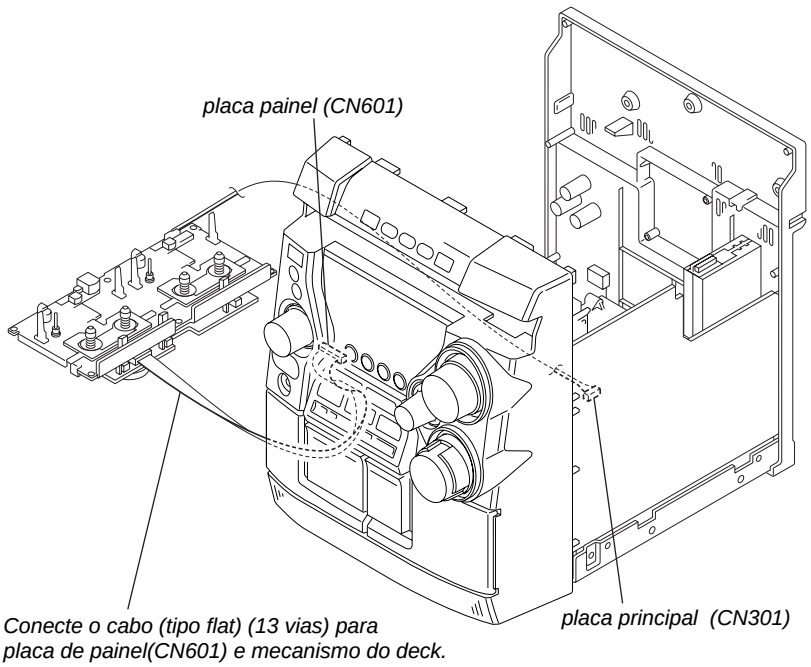


❸ *Puxe a bandeja do disco.*

POSIÇÃO DO SERVIÇO
– mecanismo do CD –



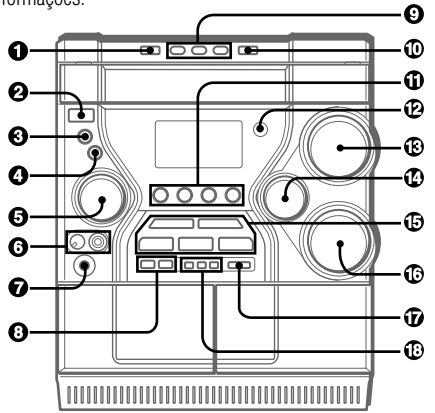
– mecanismo do Tape Deck –



SEÇÃO 1

Aparelho: frente

Veja as páginas entre parênteses "( )" para maiores informações.



❶ **DISC CHANGE (11)**
Gira a bandeja de CD.

❷ **POWER ⏻STANDBY/ON (9)**
Liga e desliga o aparelho (STANDBY).
O indicador vermelho pisca quando o sensor recebe um sinal do controle remoto.

❸ **MODE (9~12, 14, 15, 23)**
Seleciona os diversos modos (ECO e Reprodução Repetida/Aleatória/Programada, etc.) quando utilizada em combinação com as teclas ENTER e MULTI JOG.

❹ **ENTER (9~12, 14, 15, 17, 23, 25, 26)**
Fixa o modo e a hora (ECO, Reprodução Repetida/Aleatória/Programada, relógio, temporizador, etc.) quando utilizada em combinação com as teclas ENTER e MULTI JOG.

❺ **MULTI JOG (9~12, 14, 15, 17, 19, 21~23, 25)**
Quando utilizada em combinação com as teclas ENTER e MULTI JOG:
CD: seleciona o número da faixa e a Reprodução Repetida/Aleatória/Programada.
Rádio: seleciona a emissora memorizada.
Fita: especifica o tempo total da fita.
Relógio e Temporizador: ajusta a hora.
i-Bass: seleciona a faixa de freqüência.
Analizador de espectro, ECO e Dimmer: selecionam o modo.

❻ **MIC MIXING (24)**
Ajusta o volume do microfone.

Tomada MIC (24)
Conecte aqui o microfone.

❼ **Tomada PHONES**
Conecte aqui um fone de ouvido opcional com uma minitomada estéreo (ø3,5 mm). A emissão do som pelas caixas acústicas será cancelada.

❽ **SYNC DUB (19, 21)**
Inicia a duplicação da fita cassete.

●REC/REC MUTING (19~22)
Inicia a gravação.

❾ **DISC DIRECT PLAY 1~3 (11)**
Seleciona um disco.

❿ **⏏OPEN/CLOSE (11)**
Abre e fecha o compartimento de disco.

⓫ **TAPE A/B (19~21)**
Seleciona a função de reprodução de fita do deck A ou B.

TUNER/BAND (17)
Seleciona a função rádio e a faixa de FM/AM.

VIDEO/AUX (6)
Seleciona a função de um equipamento externo (opcional) conectado às tomadas VIDEO/AUX.

CD (11)
Seleciona a função de reprodução de CD.

⓬ **Sensor de controle remoto**
Recebe os sinais do controle remoto.

⓭ **VOLUME (9)**
Ajusta o volume.

⓮ **TREBLE (23)**
Enfatiza o som de freqüências altas.

⓯ **►PLAY/PRESET (9, 11~15, 17, 19)**
Quando o aparelho é desligado: ativa ou desativa o modo DEMO.
CD e Fita: inicia a reprodução.
Rádio: sintoniza a emissora sintonizada.

■STOP/CLEAR (11, 13, 17, 19~22)
CD e Fita: pára a reprodução.
Rádio: apaga uma emissora memorizada.

◄◄TUNING DOWN, ►►TUNING UP (11, 17, 19)
CD: procura por uma faixa em retrocesso ou avanço quando mantida pressionada.
Fita: retrocede ou avança rapidamente a fita cassete.
Rádio: sintoniza manualmente as emissoras na faixa selecionada.

❚❚PAUSE/SET (11, 17, 19, 20)
CD e Fita: deixa a reprodução em pausa.
Rádio: armazena as emissoras sintonizadas na memória.

⓰ **BASS (23)**
Enfatiza o som de freqüências baixas.

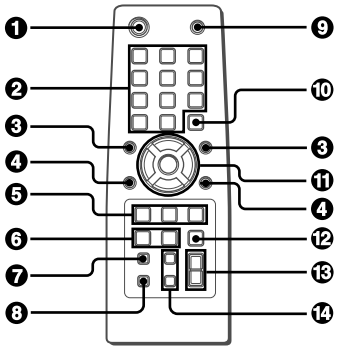
⓱ **i-Bass (23)**
Produz o som de freqüências baixas de forma clara e rica.

⓲ **DISPLAY (10, 11, 15)**
Mostra o tempo de reprodução e o tempo restante do CD.

ALBUM ▼, ▲ (14)
Seleciona o álbum anterior ou o posterior dos CDs MP3.

Controle remoto

Veja as páginas entre parênteses "( )" para maiores detalhes



As teclas com o mesmo nome ou um nome similar ao das teclas do aparelho possuem basicamente a mesma função.

❶ **POWER (9)**

❷ **1-0/10, +10 (11, 12, 17)**
CD: seleciona a faixa do CD correspondente ao número especificado.
Rádio: sintoniza a emissora de rádio memorizada no número de memória especificado.

As teclas numéricas operam as funções abaixo mencionadas quando pressionadas juntamente com a tecla SHIFT:

EDIT (21, 22)
Entra no modo de Gravação AI Edit ou no modo de Gravação com Edição Programada quando pressionada no modo de parada.

BAND (17)
Seleciona a função Rádio e a faixa de sintonização.

TAPE A/B (19~21)
Para selecionar deck A ou deck B.

SPECTRUM (9)
Muda o visor do analizador de espectro.

TUNER MODE (17, 18)
Alterna entre os modos de recepção FM em estéreo e mono.

KARAOKE (24)
Seleciona o modo Multiplex.

❸ **PRESET ⏮, ⏭ (10~12, 17, 19, 21~23, 25, 26)**
CD: seleciona uma faixa.
Rádio: seleciona uma emissora memorizada.
Fita: especifica o tempo total da fita.
BASS e TREBLE: ajusta o nível de graves e agudos.
Relógio e Temporizador: ajusta a hora.

❹ **ALBUM ∨, ∧ (14)**
Seleciona o álbum anterior ou posterior.

❺ **PLAY MODE (12, 13)**
Seleciona a Reprodução Aleatória ou Programada na função CD.

REPEAT (11, 12)
Entra no modo de Reprodução Repetida do CD.

ENTER (9~12, 14, 15, 17, 23, 25, 26)

❻ **CLOCK/TIMER SET (25, 26)**
Entra no modo de ajuste da hora.

CLOCK/TIMER SELECT (25, 26)
Seleciona a reprodução com o temporizador, a gravação com o temporizador ou o desligamento automático.

❼ **DISPLAY (9~11)**
Mostra o tempo total e o tempo restante do CD.

❽ **SHIFT**
Mantenha-a pressionada enquanto estiver pressionando as teclas numéricas para mudar para a função que estiver impressa acima do número da tecla.

Exemplo:
"Mantenha pressionada **SHIFT** e depois pressione **BAND** no controle remoto" significa "Mantenha pressionada SHIFT e pressione '2' (BAND)". Com este procedimento você será capaz de selecionar a função Rádio e a faixa de FM/AM.

❾ **FUNCTION**
Alterna a função em operação entre CD, TAPE, TUNER e VIDEO (AUX ou TV).

❿ **DISC SKIP (11)**
Seleciona um disco.

⓫ **►/◄► (9, 11~15, 19)**
Quando o aparelho é desligado: ativa ou desativa o modo de demonstração DEMO.
CD e Fita: inicia a reprodução.

■ (11, 13, 17, 19~22)
CD e Fita: pára a reprodução.

◄◄,►► (11, 17, 19)
CD: procura a faixa em retrocesso ou em avanço enquanto estiver pressionada.
Fita: rebobina ou avança a fita.
Rádio: sintoniza as emissoras dentro da faixa selecionada (FM/AM).

❚❚ (11, 19, 20)
CD e Fita: deixa a reprodução em pausa.

⓬ **SLEEP (25)**
Ativa/desativa o Desligamento Automático e seleciona a duração.

⓭ **VOLUME (+, —) (9)**
Ajusta o volume.

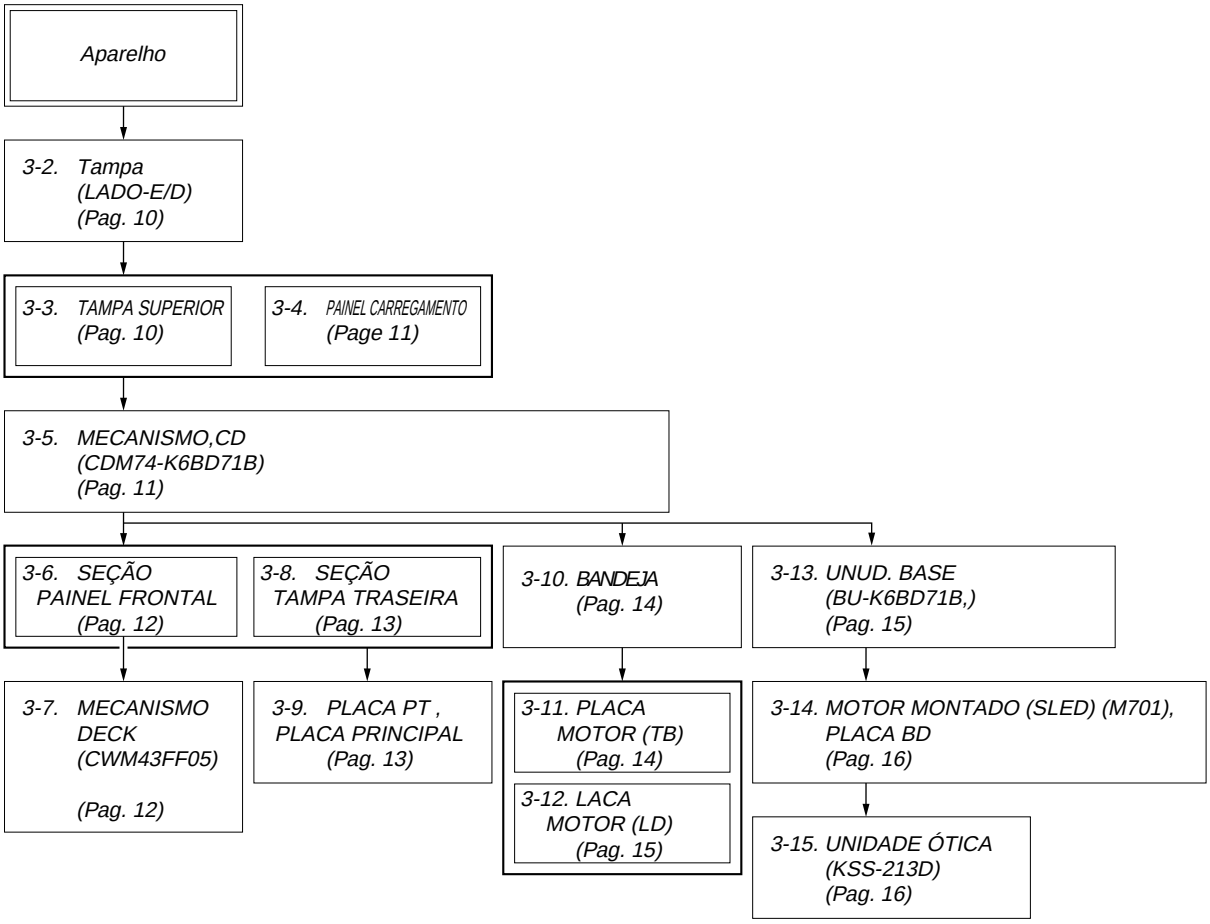
⓮ **SOUND (23)**
Seleciona o modo de ajuste BASS ou TREBLE.

CLEAR (13, 17)
Apaga uma faixa do CD programada para reprodução e as emissoras de rádio memorizadas.

SEÇÃO 3
DESMONTAGEM

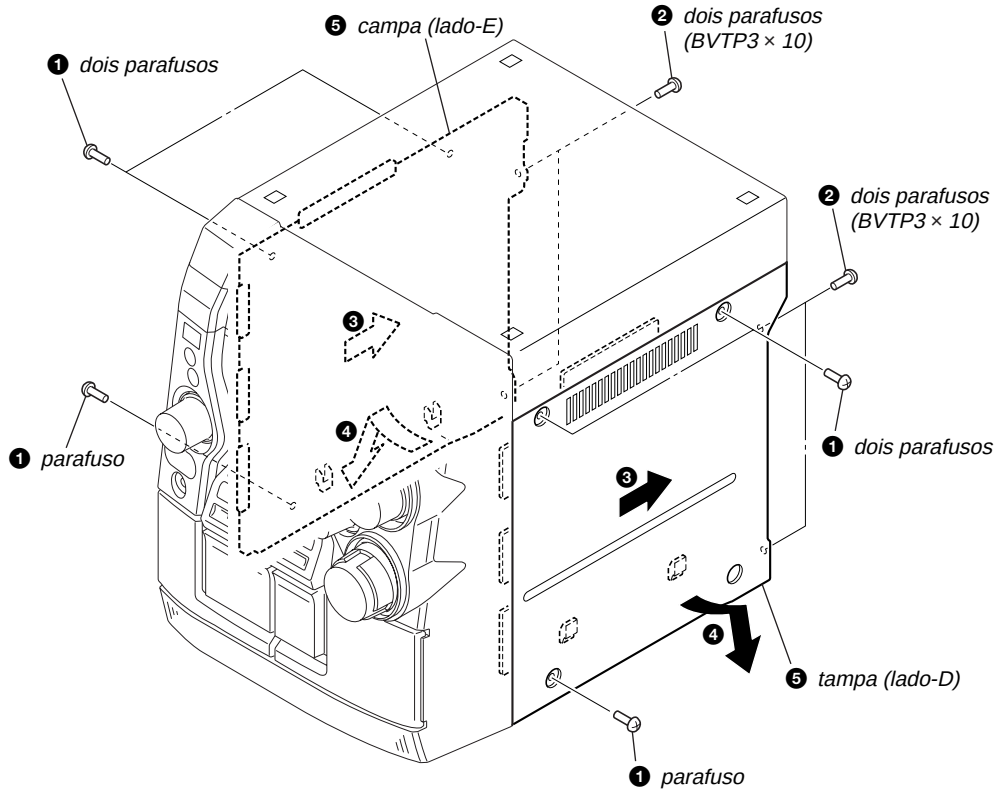
• Desmonte o aparelho na ordem dada a seguir.

3-1. PROCEDIMENTO PARA DESMONTAGEM

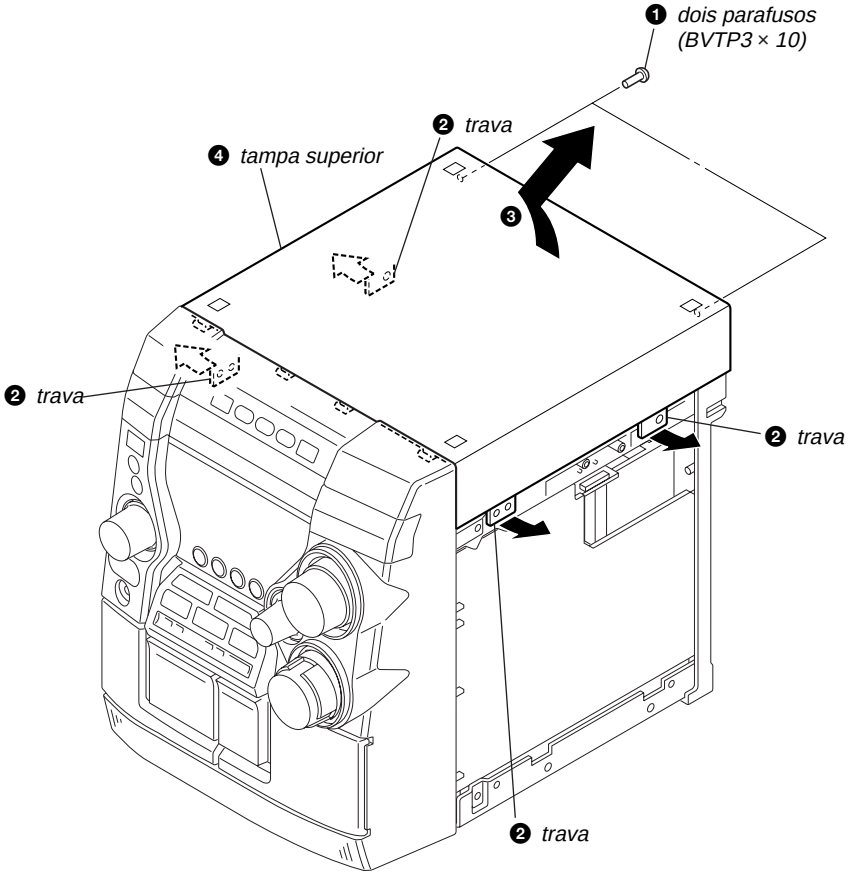


Nota : Siga o procedimento de desmontagem na ordem numérica dada.

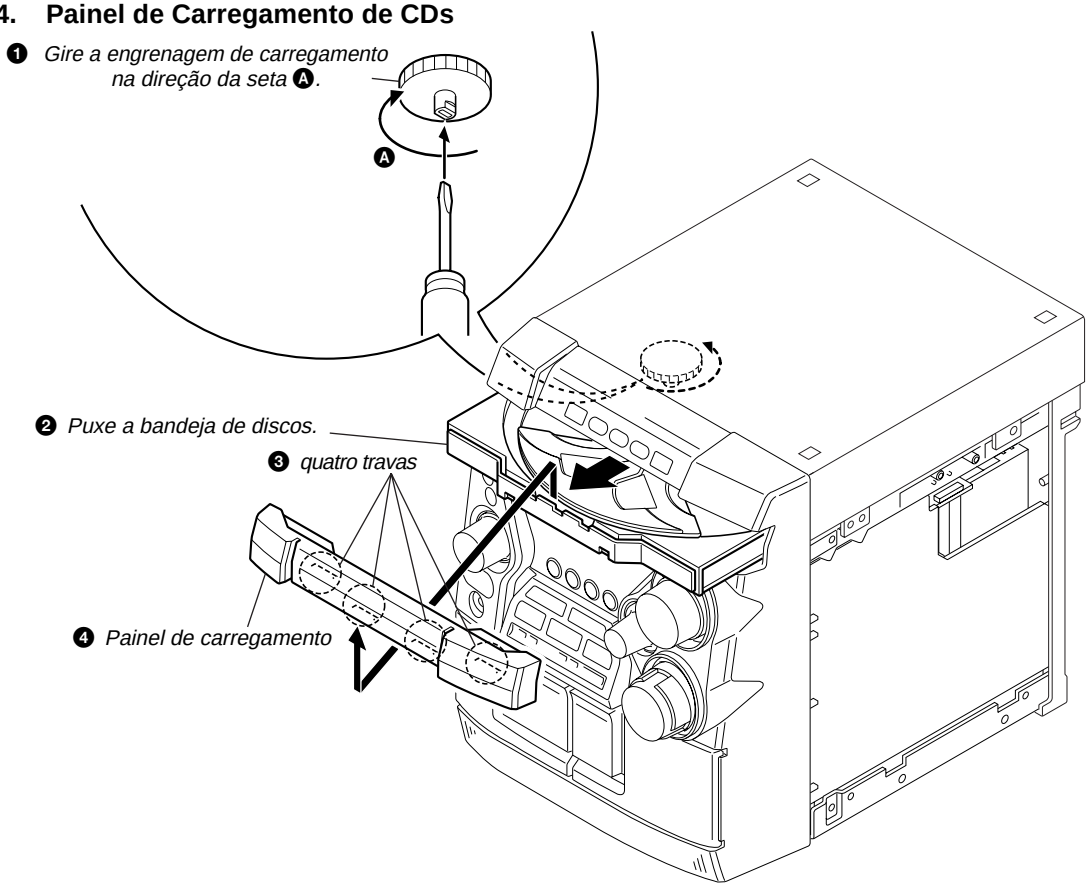
3-2. TAMPA LATERAL (LADO-E/D)



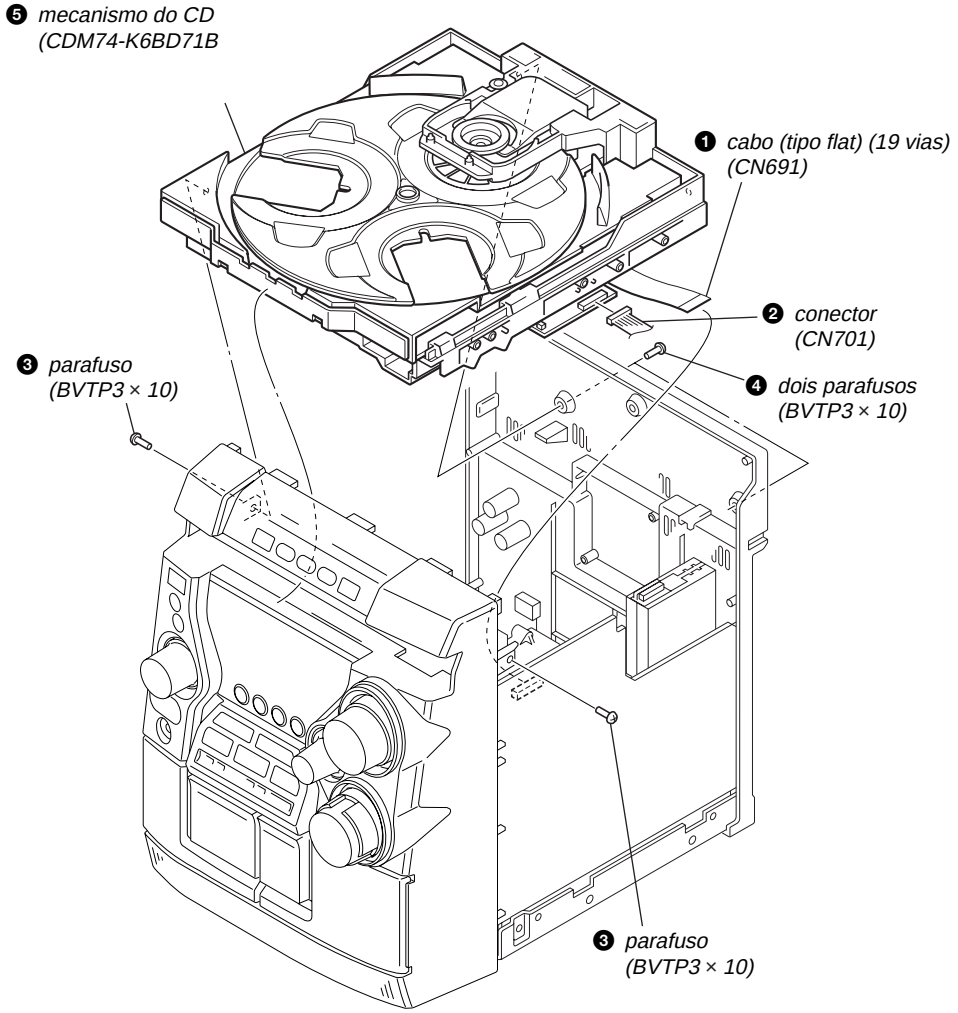
3-3. TAMPA SUPERIOR



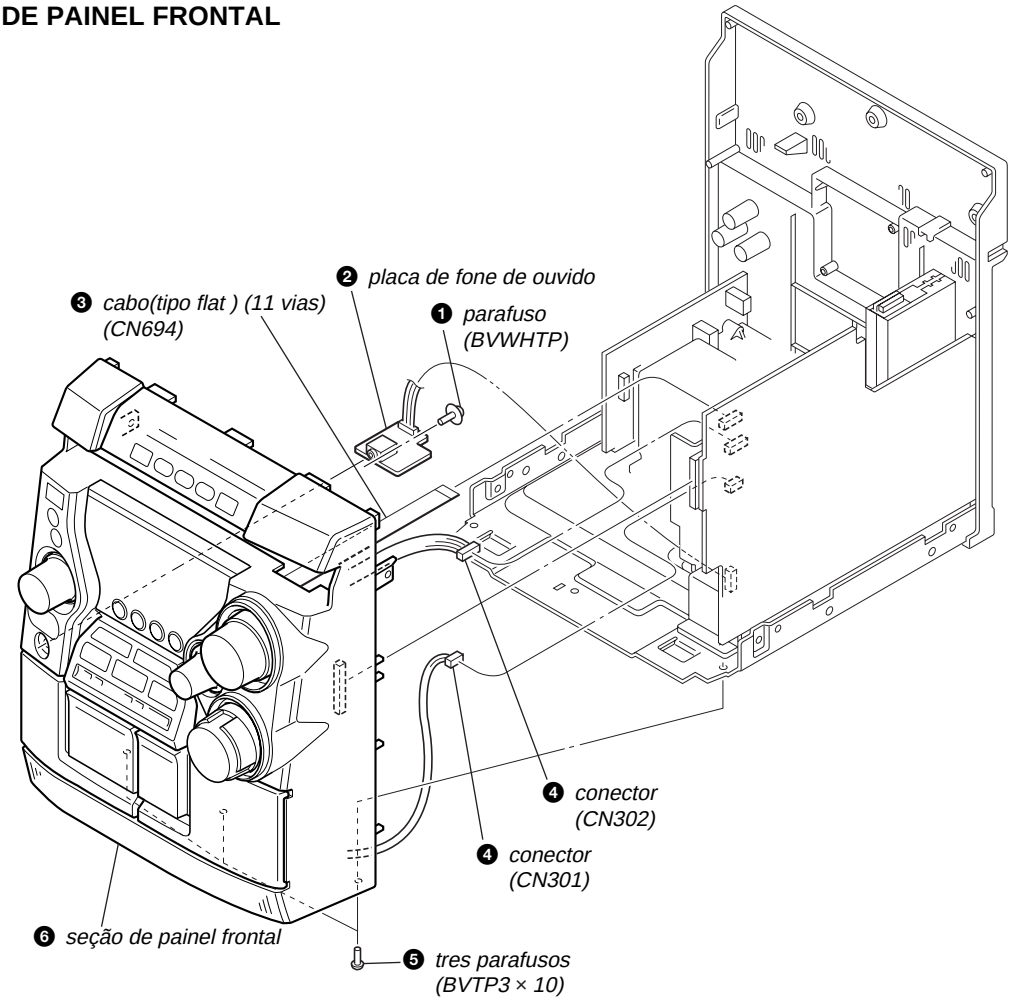
3-4. Painel de Carregamento de CDs



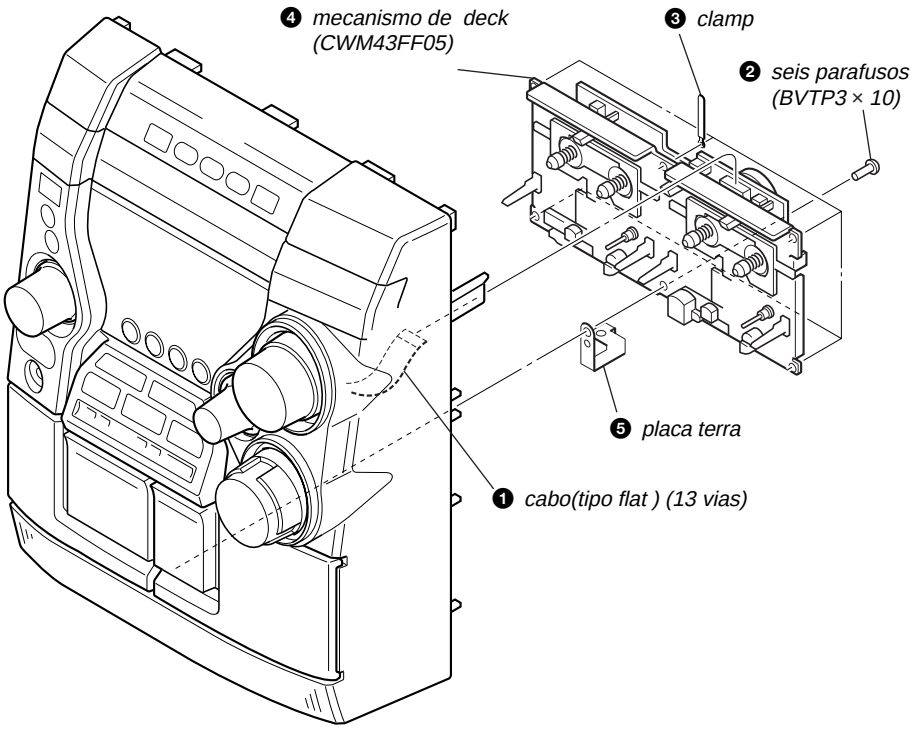
3-5. MECANISMO DO CD (CDM74-K6BD71B)



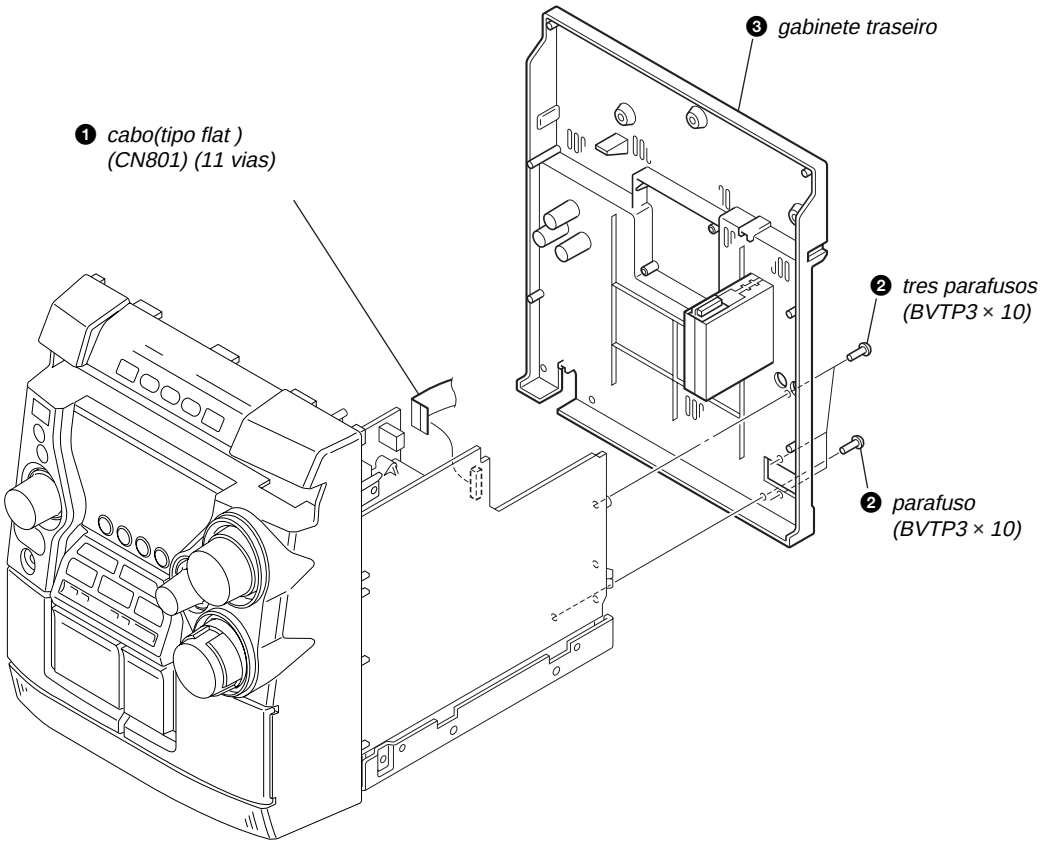
3-6. SEÇÃO DE PAINEL FRONTAL



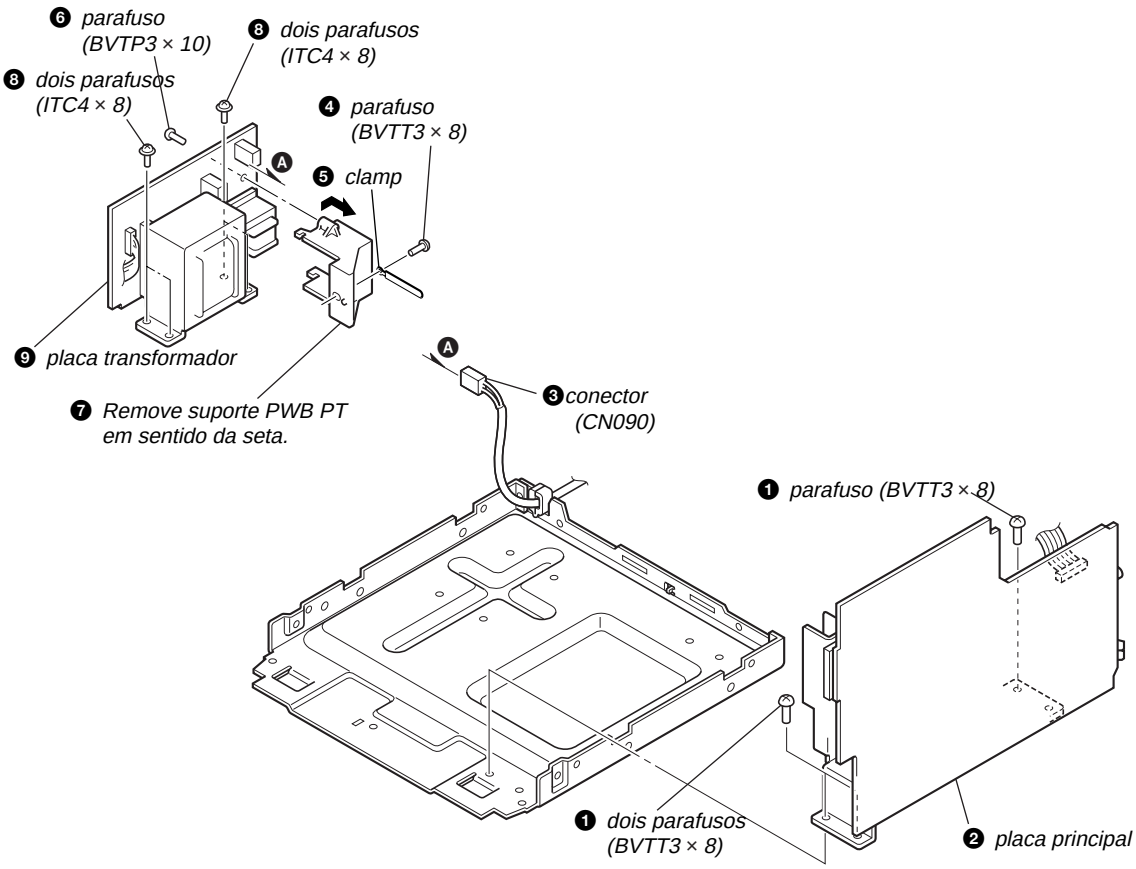
3-7. MECANISMO DE DECK (CWM43FF05)



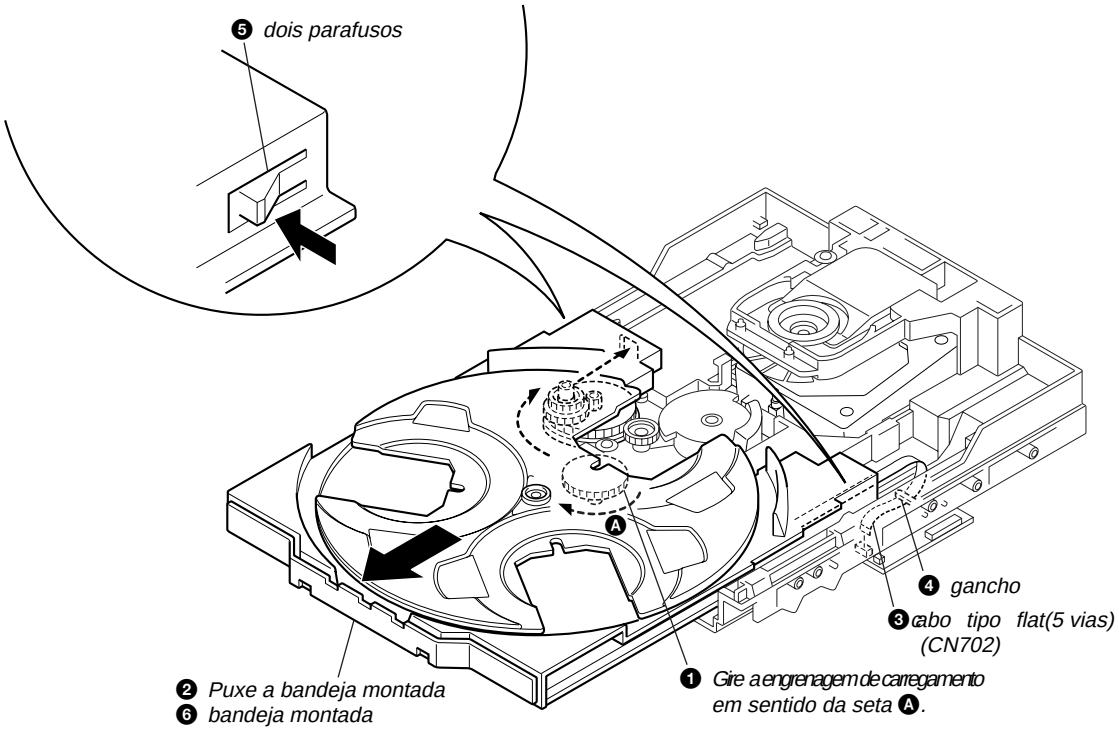
3-8. SEÇÃO TAMPA TRASEIRA



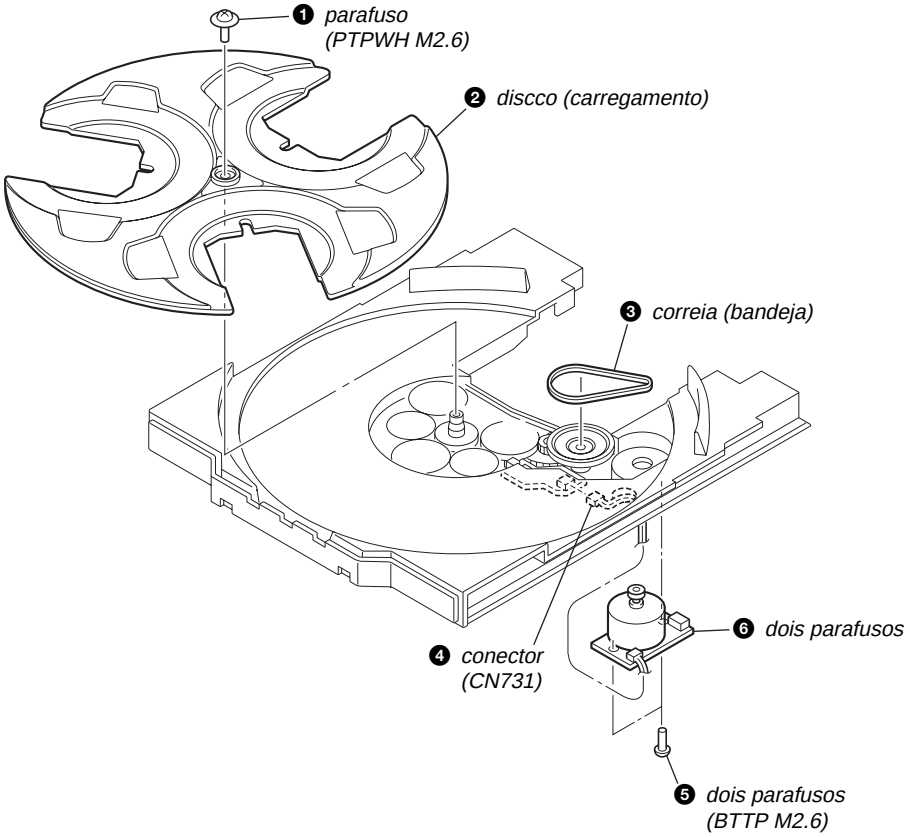
3-9. PLACA TRANSFORMADOR, PLACA PRINCIPAL



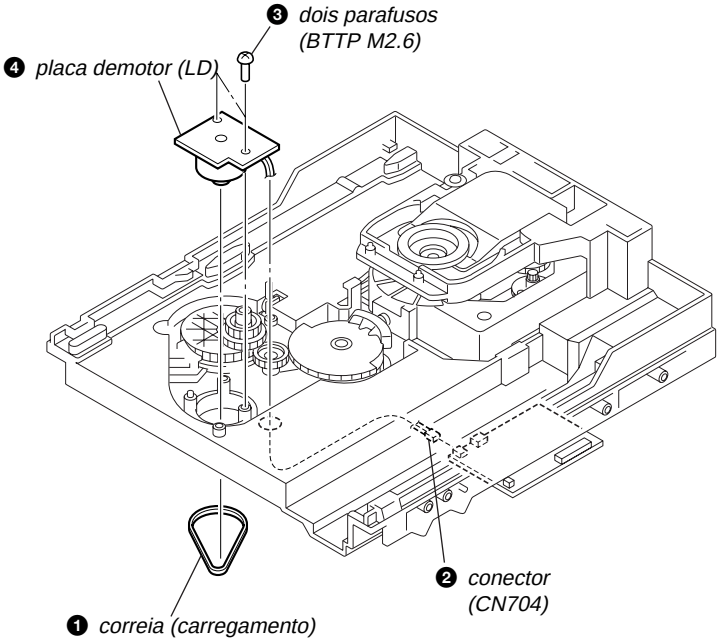
3-10. BANDEJA MONTADA



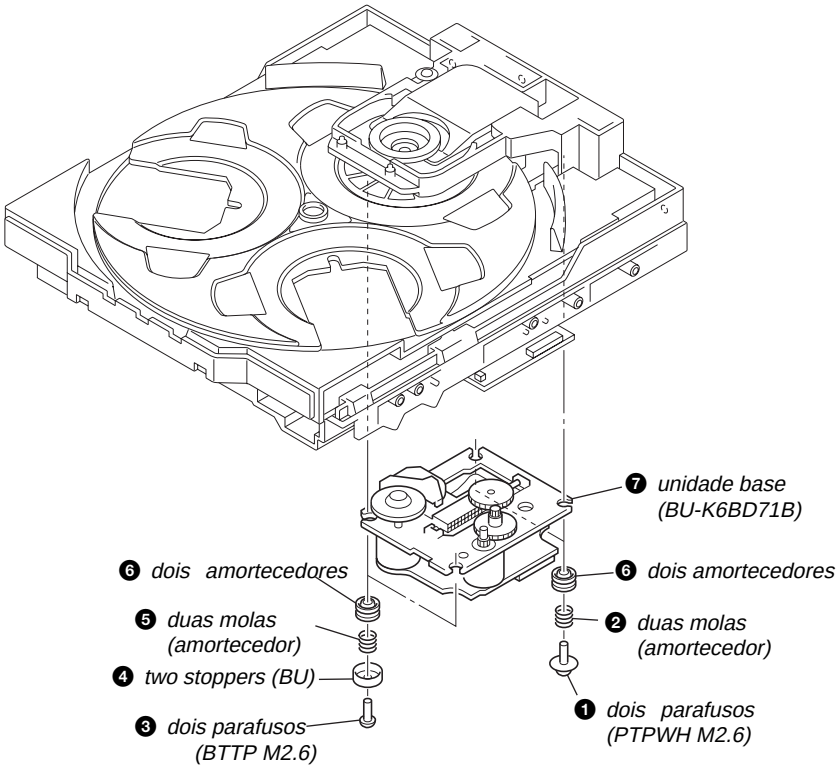
3-11. PLACA DE MOTOR (TB)



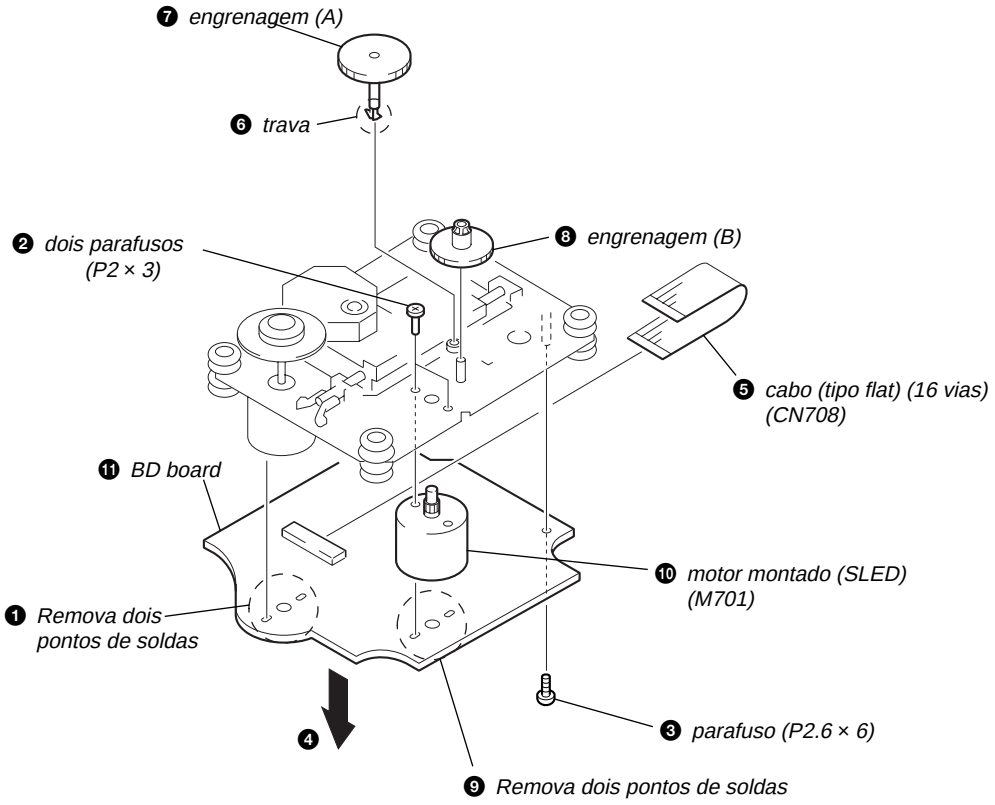
3-12. PLACA MOTOR (LD)



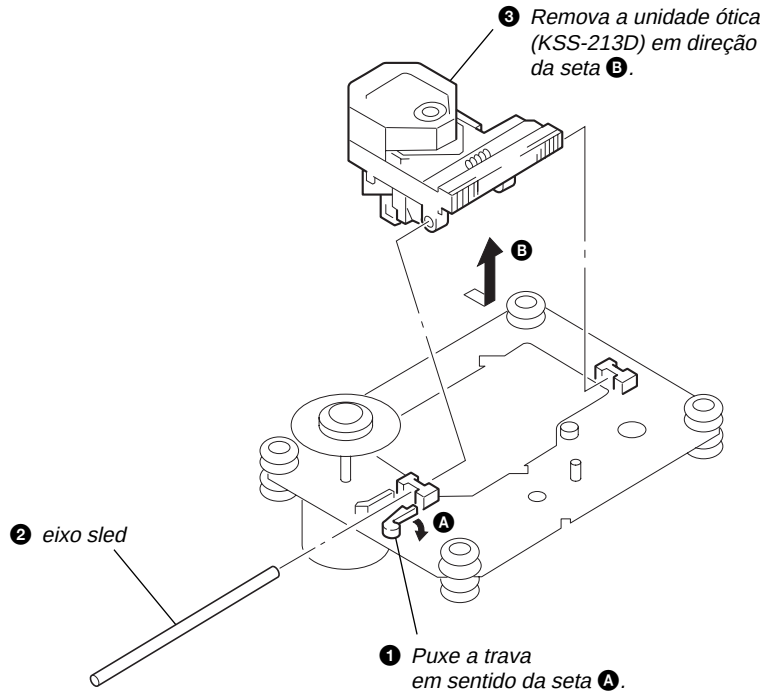
3-13. UNIDADE BASE (BU-K6BD71B)



3-14. ENGRENAGEM DO MOTOR MONTADO (SLED) (M701), PLACA BD



3-15. UNIDADE ÓTICA (KSS-213D)



SEÇÃO 4
MODO DE TESTE

MC COLD RESET
• O modo cold reset apaga todos os dados gravados na memória RAM. Execute esse modo antes de retornar o aparelho ao cliente.

Procedimento:
1. Em modo standby, pressionado o botão [■] , pressione também [POWER] .
2. O aparelho é resetado e volta ao modo STB.

GC TEST MODE
Procedimento:
1. Pressione [POWER] para ligar o aaprelho.
2. Enquanto pressiona [■] pressione também [POWER] por 5 seg.

3. O display vai exibindo o modelo, versão e sufixo a cada 2 segundos de intervalo e depois o display volta ao status normal.

AMP TEST MODE
Procedimento:
1. Retire o cabo de força da tomada.
   Pressione [VIDEO/AUX] e conecte o cabo de força . Entre no "amp test mode" eo display exibirá “AMP TEST".

2. Se girar o botão [VOLUME] no sentido horário será exibido a mensagem “VOLUME MAX”, e se girar no sentido anti-horário será exibido “VOLUME 0”.
3. Se os botões [TREBLE] e [BASS] forem girados no sentido horário e antihorário o display mostrará : “EQ MAX”, “EQ MIN” e “EQ FLAT”.
4. Para sair desse modo, desconecte o cabo de força e conecte novamente.

TRAVAMENTO DE GAVETA
Procedimento
1. Pressione [POWER] para ligar o aparelho.
2. Enqaunto pressiona [■] pressione também [⏏ OPEN/CLOSE] por 5 segundos.
3. As mensagens “LOCKED” é exibida e a gaveta é travada. (Mesmo saindo do modo a gaveta permanecerá travada)
4. Para liberar a gaveta, pressione o botão [■] [⏏ OPEN/CLOSE] juntos por 5 segundos.
5. A mensagem “UNLOCKED” é exibida e a trava, liberada.

CD REPEAT 5 LIMIT CANCEL MODE
• Quando o modo "Repeat" está ativado, o número de vezes em que o CD reproduz repetidamente é 5. Este modo habilita o CD a repetir-se mais de 5 vezes.

Procedimento:
1. Pressione [POWER] para ligar o aparelho.
2. No modo de repetição, enquanto pressiona [■] button, pressione [CD] para entrar no modo CD repeat 5 limit cancel e o display piscará várias vezes repetidamente.
3. Para sair desse modo pressione [POWER] .

MUDANÇA DE INTERVALO DO CANAL DE AM 9 kHz E 10 kHz
• O intervalo entre os canais AM pode ser ajsutado em 9 kHz e 10 kHz.

Procedimento:
1. Pressione [POWER] para ligar o aparelho.
2. Enquanto pressiona [TUNER] pressione também [POWER] até que o display exiba “AM 530 kHz” (10 kHz step) ou “AM 531 kHz” (9 kHz step).

FUNCTION CHANGE MODE
• Selecione TV, VIDEO ou AUX (MD) para a entrada auxiliar.

Procedimento:
1. Pressione [POWER] para ligar o aparelho.
2. Enquanto pressiona [VIDEO/AUX] pressione também [POWER]

3. A cada vez que você aperta os botões o display mostra "TV", “VIDEO” e “AUX”, nessa ordem.

CD TEST MODE

• Este modo permite que voc6e mova a unidade óptica livremente. Utilize-o quando precisar limpar a unidade.

Procedimento:

1. Com cabo de força do aparelho fora da tomada, pressione o botão [CD] e conecte o cabo na tomada.
2. Ao entrar no modo o display mostra “CD TEST” e poucos segundos depois todos os segmentos do display se acendem.

3. Para sair desse modo retire o cabo de força da tomada.

In this mode, it operates as following table.

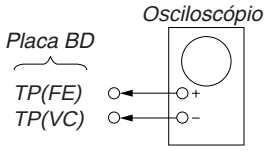
Botão	Operacao	Proposito
▶▶	Mova a unidade para faixa interna	Verificação circuito Sled
◀◀	Mova a unidade para faixa interna	Verificação Circuito Tracking Verificação do Mecanismo Verificação da unidade
▶	Reproduzir um CD (vai atuar a procura de foco)	Verificação do bloco do servo
■	Enquanto reproduz um CD: pára reprodução Quando parar o CD: Display Piscando (lendo) Diodo laser aceso contínuamente procura de foco contínua	Verificação Circuito APC Medida da corrente do laser Verificar forma de onda do foco VerificaçãoTracking balance
❚❚	Pausa, Tracking servo off (ignore o erro CLV)	

SEÇÃO 5
AJUSTES ELÉTRICOS

SEÇÃO CD

Nota:
1. O bloco do CD é desenvolvido para operar sem ajustes. Apesar disso, ve rifique os itens na ordem dada.
2. Use o YEDS-18 (3-702-101-01) a menos que outro seja indicado.
3. Use um osciloscopio com impedancia maior que 10MΩ.
4. Limpe as lentes objetivas com detergente neutro quando o nÌvel de sinal estiver mais baixo que o especificado no teste a seguir.

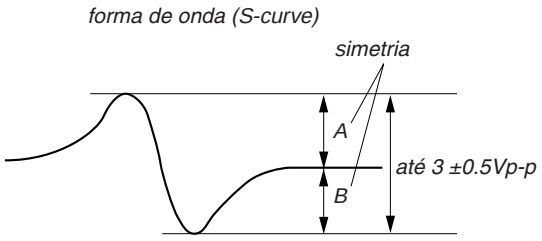
VERIFICAÇÃO DA CURVA-S



Procedimento:
1. Conecte o osciloscopio ao TP(FE) e TP(VC).
2. Ligue a energia. ÷

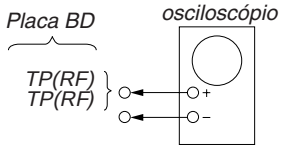
3. Insira o disco YEDS-18 e deixeprocura de foco atuar· (Em consequencia do abre e fecha da bandeja de discos).

4. Confirme se a forma de onda no osciloscopio (S-curve) é simetrica entre A e B. E confirme o nivel pico-a-pico de até 3 ± 0.5 Vp-p.



Note: ¥ Tente medir varias vezes para ter certeza que a razao entre A : B ou B : A é maior que a razao de10 : 7.
¥• Aumente a varredura e a iluminacao da tela do osciloscopio para obter a melhor forma de onda.

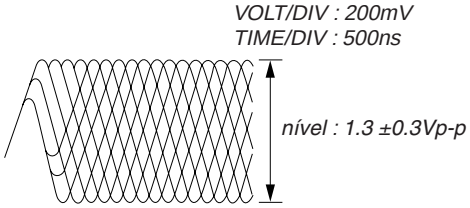
VERIFICAÇÃO DO NÍVEL DE RF



Procedimento:
1. Conecte o osciloscopio ao TP (RF) e ao TP(VC). (RFAC).
2. Ligue a energia.
3. Insira o disco (YEDS-18)) e reproduza.
4. Confirme se a forma de onda no osciloscopio é clara e se o nivel de RF esta correto ou nao.

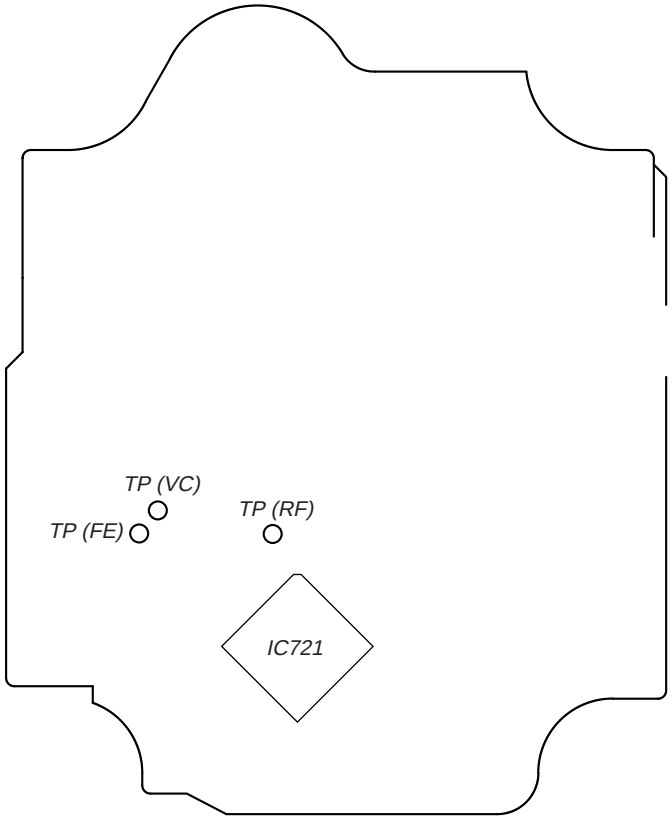
Nota: Uma forma de onda clara de RF é aquela onde a forma◊ pode ser claramente identificada no centro da forma de onda.

Forma de onda do sinal RF



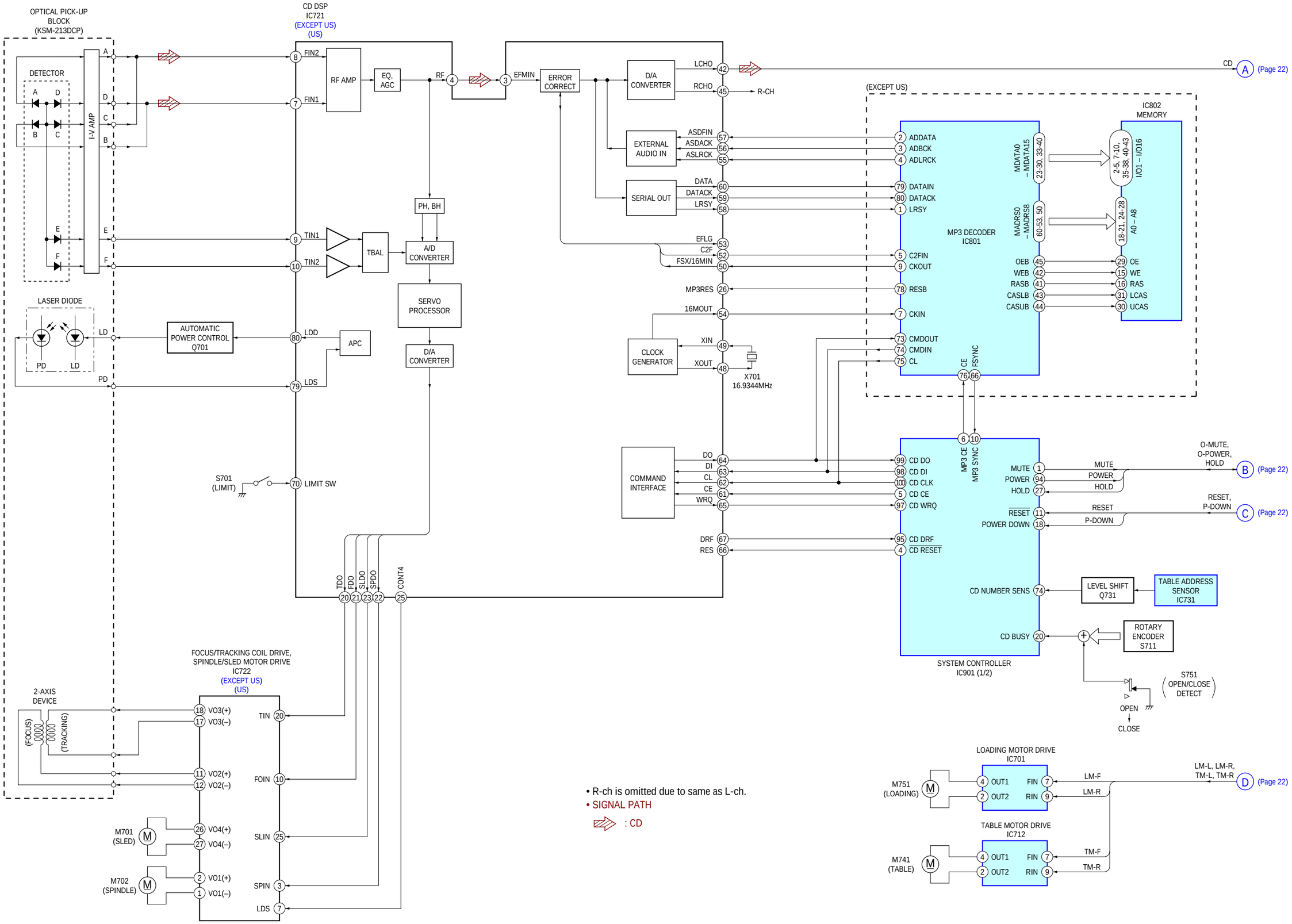
Localização do Ajuste: Placa BD

– Placa BD (Lado Condutor) –



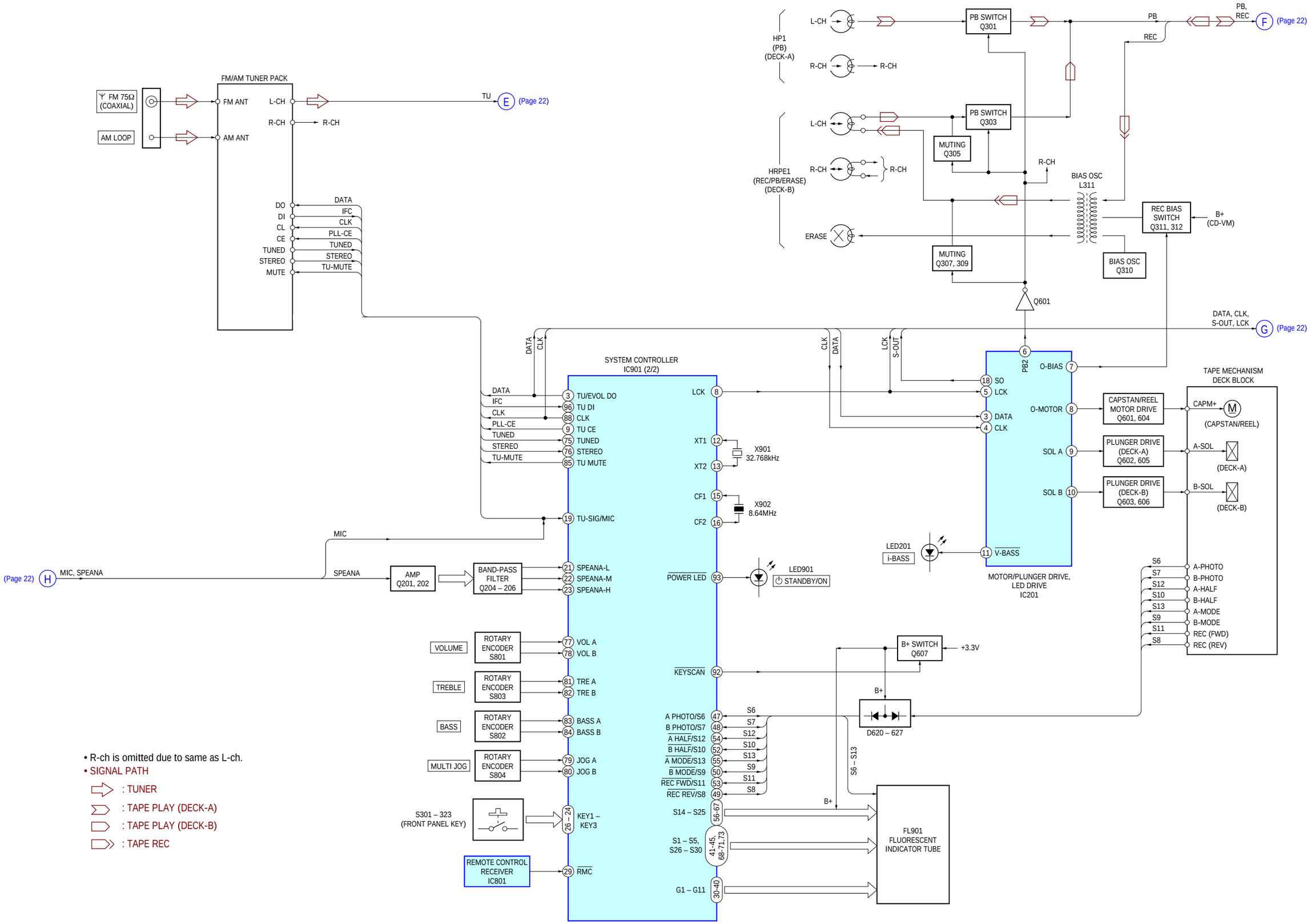
SEÇÀO 6
DIAGRAMAS

6-1. DIAGRAMA EM BLOCO – Seção CD –



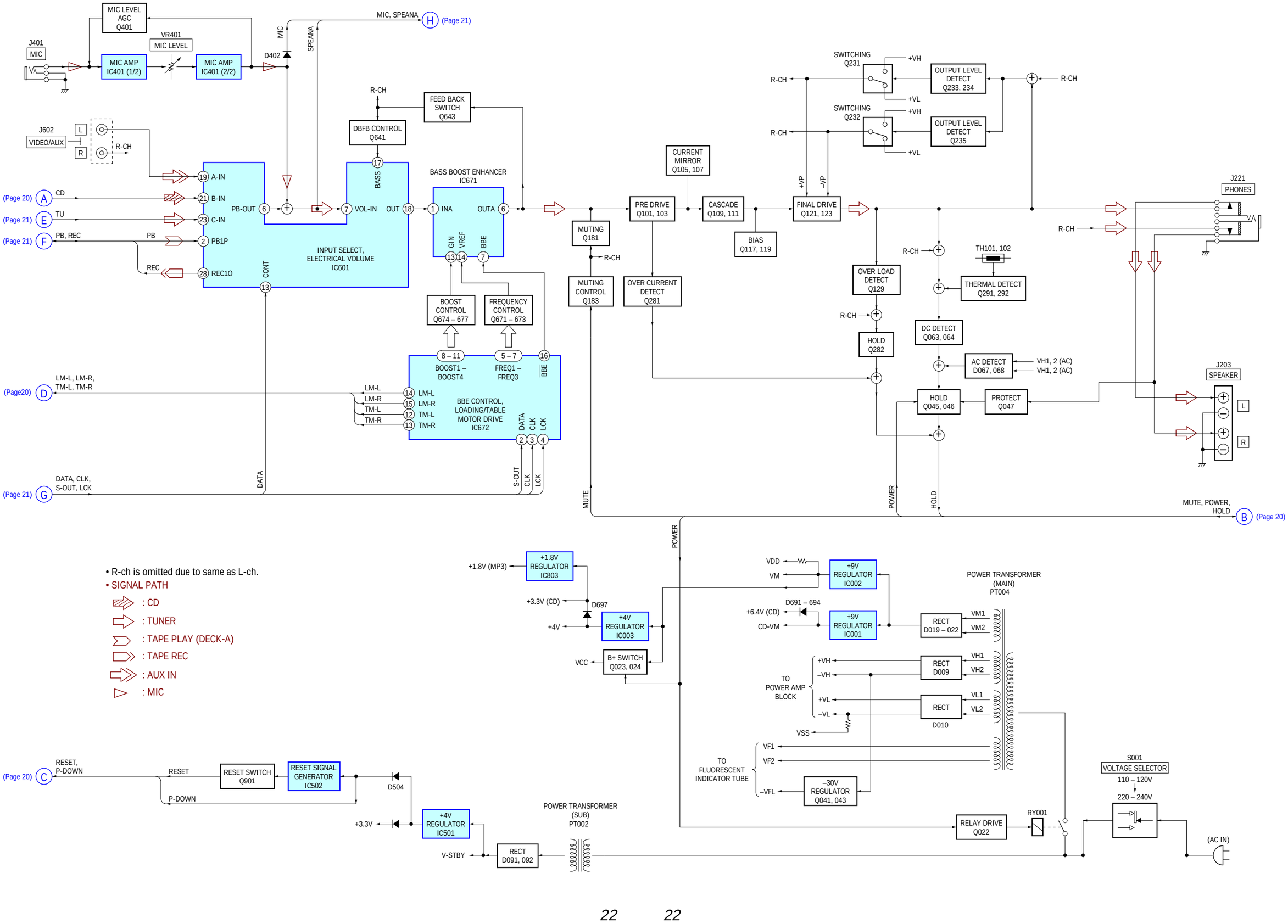
• R-ch is omitted due to same as L-ch.
• SIGNAL PATH
: CD

6-2. DIAGRAMA EM BLOCO – Seção Tuner/Tape/Painel



- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
  - : TUNER
  - : TAPE PLAY (DECK-A)
  - : TAPE PLAY (DECK-B)
  - : TAPE REC

6-3. DIAGRAMA EM BLOCO – Seção AMP/FONTE –

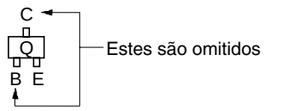


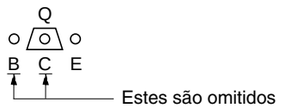
6-4. NOTA PARA PLACAS DE CIRCUITO IMPRESSO E DIAGRAMAS ESQUEMÁTICOS

Notas para placas de circuito impresso:
- ○——— : peças extraídas do lado componente
- ——— : peças extraídas do lado condutor
- ▬ : padrão da camada que é vista

(Os outros padrões de camada não são indicados)

- Indicação dos transistores



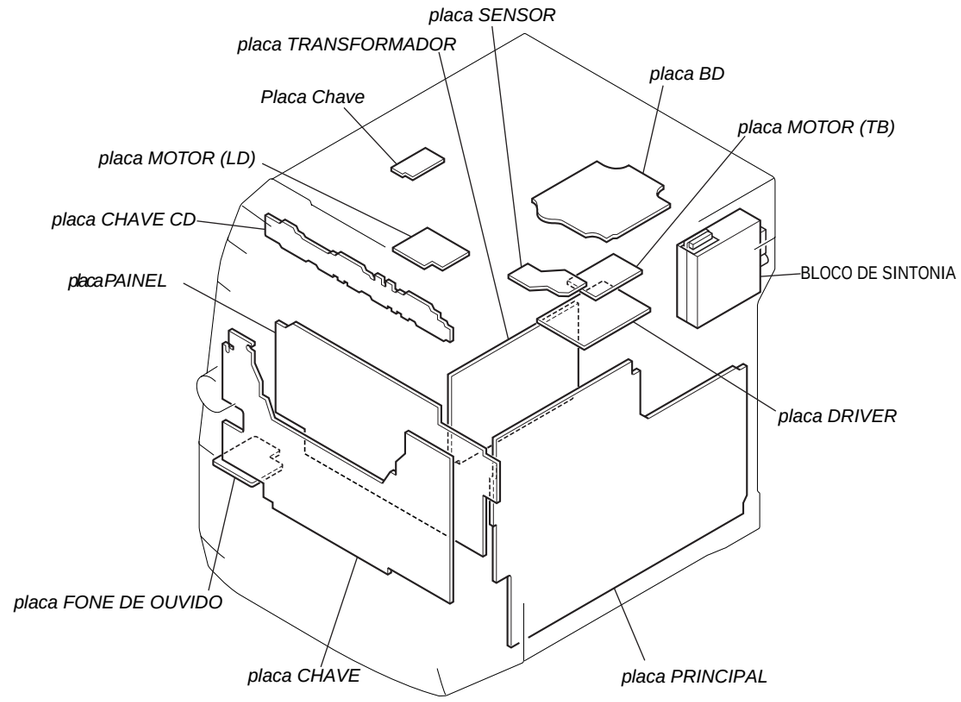


Nota nos diagramas esquemáticos
- Todos os capacitores estão em µF a menos que especificados. pF: µµF 50 WV ou menores não são indicados, exceto para os eletrolíticos e os de tântalo.
- Todos os resistores estão em Ω and 1/4 W a menos que especificados diferentemente.
- △ : componente interno
- : resistor anti-chama.
- : fusistor
- : designacao o do painel

Nota: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas nesse manual.

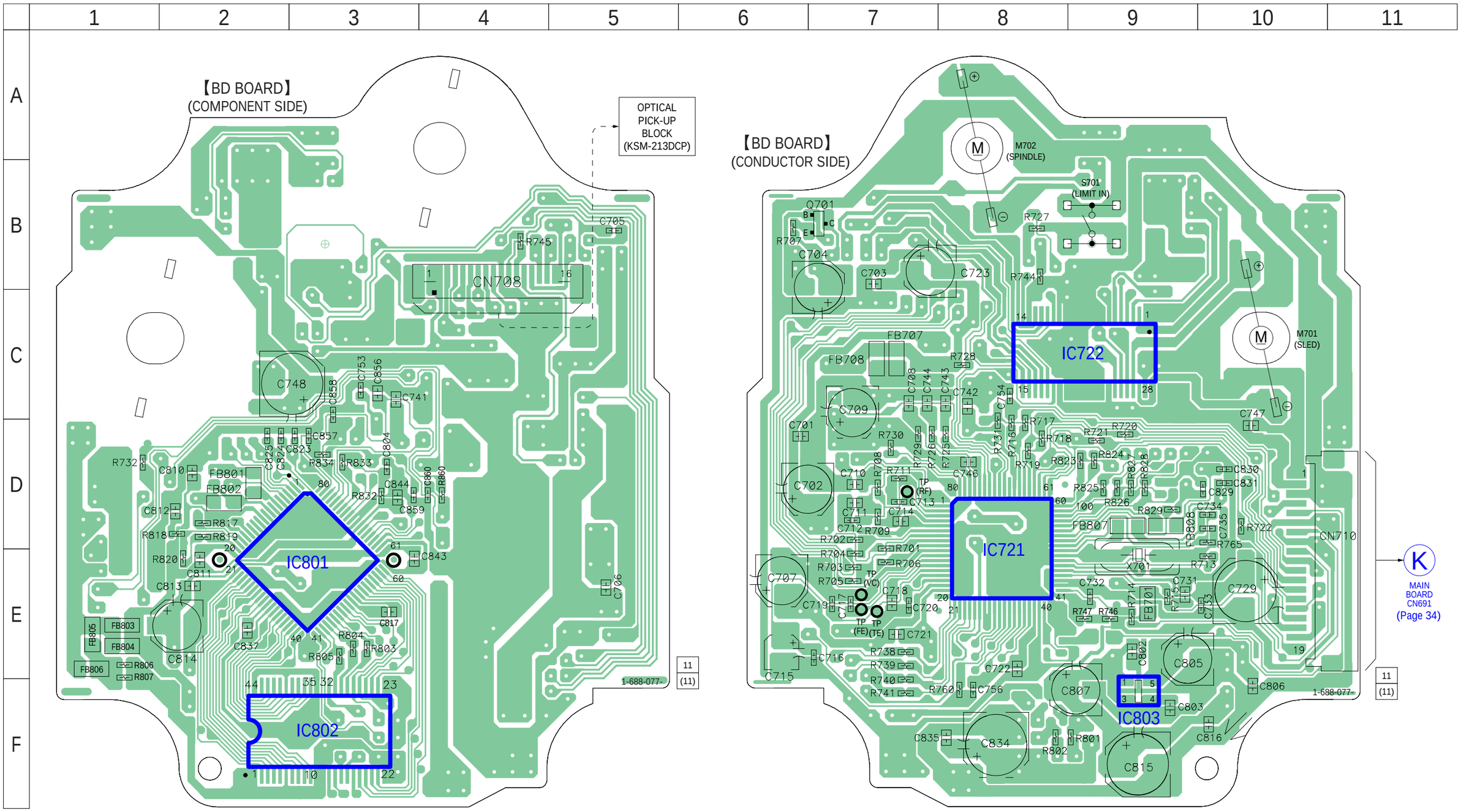
- ▬▬ : linha + B
- ▬ ▬ ▬ : linha – B
- Voltagens e formas de onda estão em DC, com relação ao terra, em condi ão de ausência de sinal.
  – Seção BD –
  sem indicação : CD PLAY
  – Outros seções –
  sem indicação : FM
  ✻ : Impossivel para medição
- Tens ões são obtidas comVOM (impedância de entrada 10 M.). Variações de tensão são verificadas dentro de uma faixa de tolerância;
- Formas de onda são obtidas com um osciloscópio. Variações de tensão são verificadas dentro de uma faixa de tolerância;
- Números circulados referem-se a formas de onda.
- Simbologia
  : TUNER (FM/AM)
  : TAPE PLAY (DECK A)
  : TAPE PLAY (DECK B)
  : REC
  : CD PLAY
  : AUX IN
  : MIC INPUT

- **Localizações das placas**



6-5. PLACA DE CIRCUITO IMPRESSO – Seção BD –

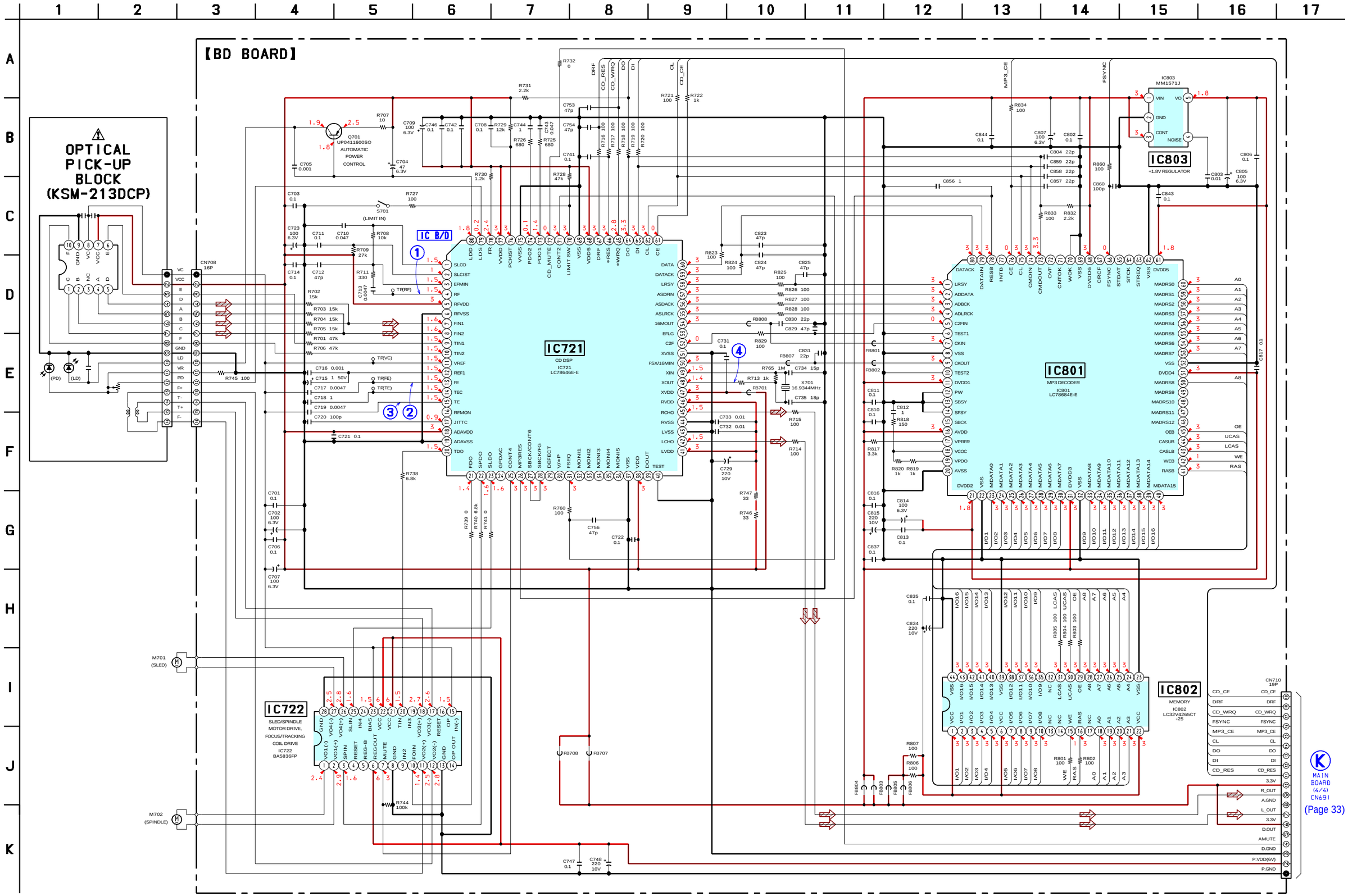
:Uses unleaded solder.



- **LOCALIZAÇÃO DOS SEMICONDUTORES**

Ref. No.	Location
IC721	D-8
IC722	C-9
IC801	E-3
IC802	F-3
IC803	F-9
Q701	B-7

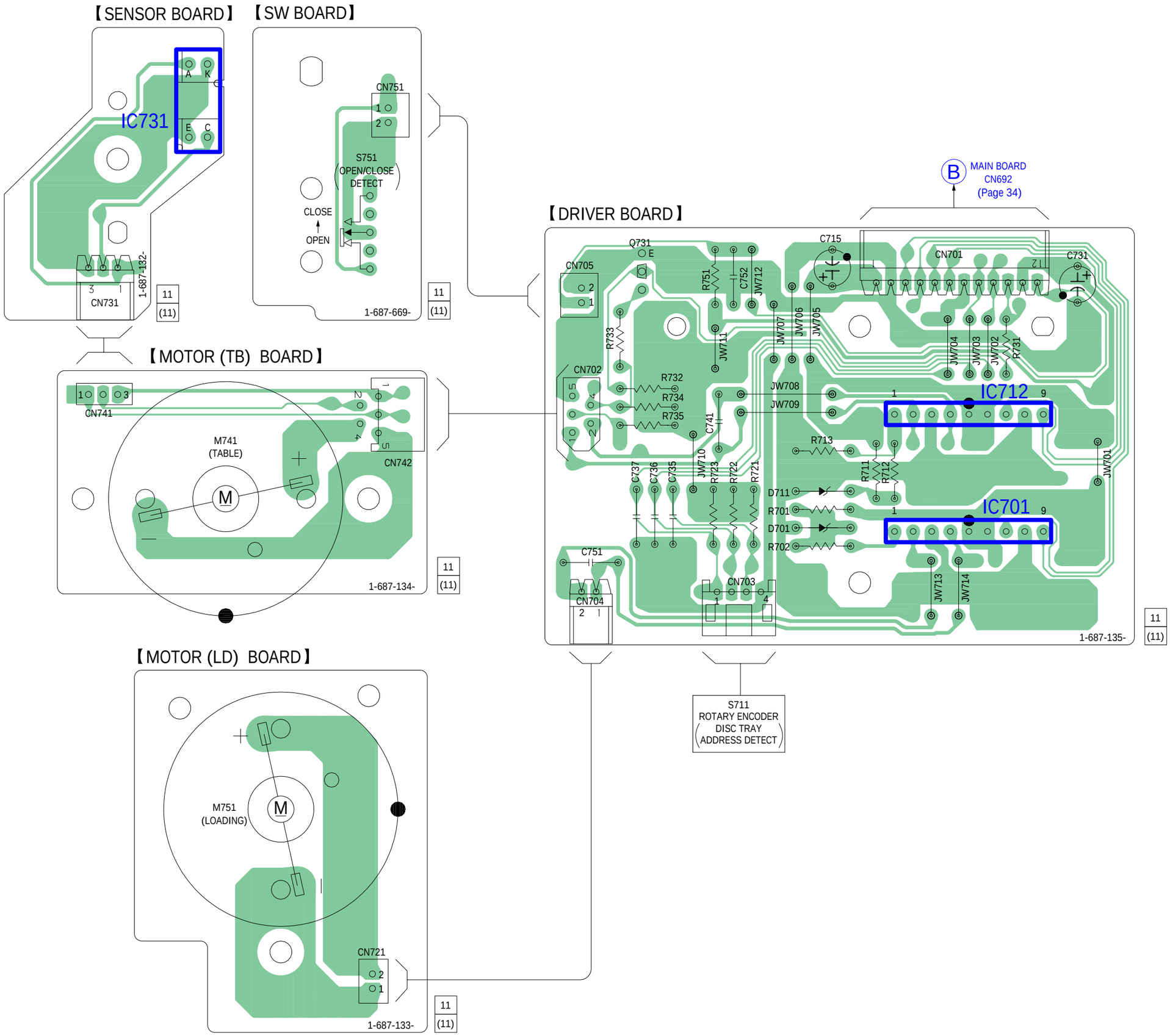
6-6. DIAGRAMA ESQUEMÁTICO – Seção BD –



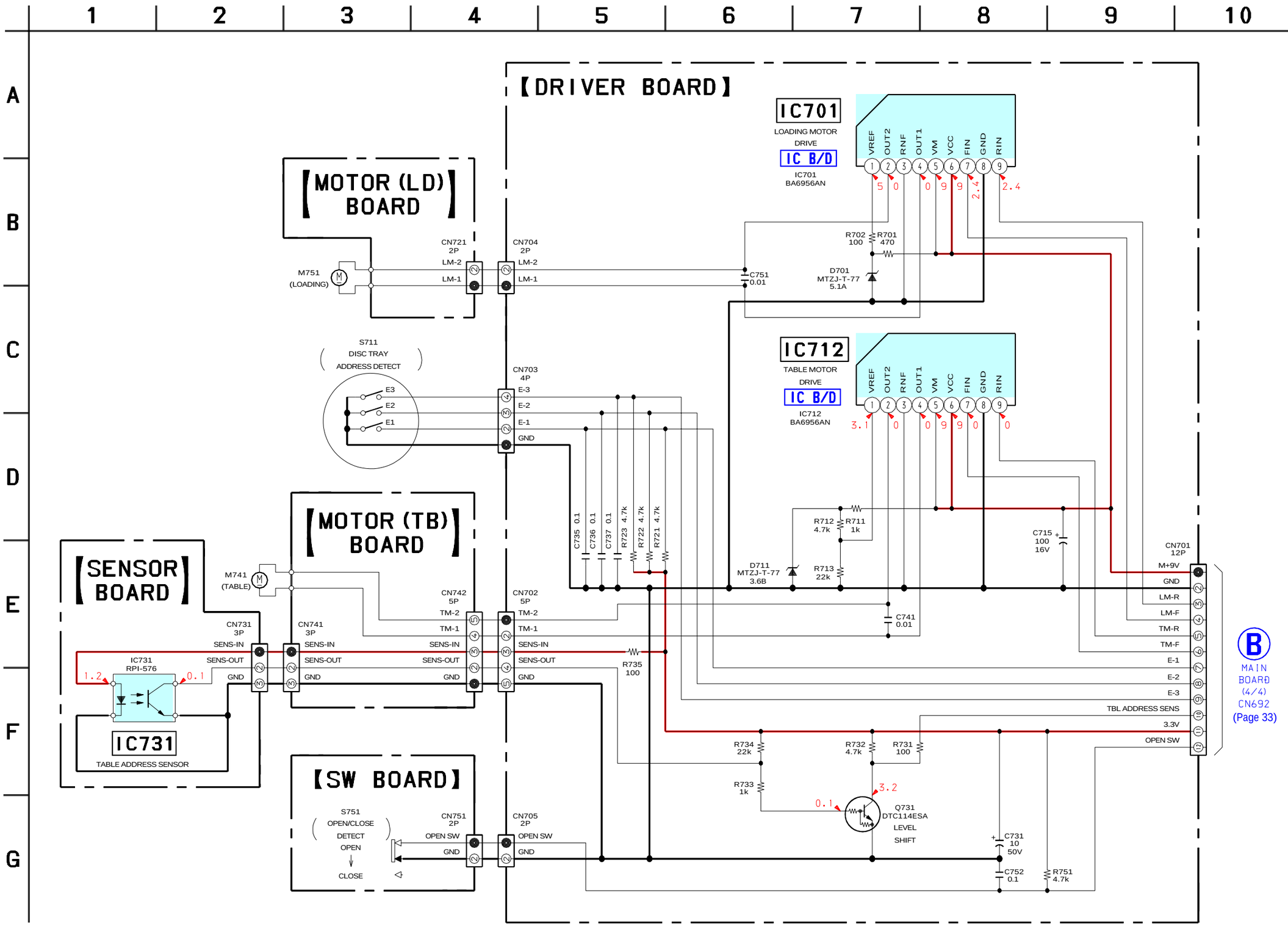
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-9. PLACA DE CIRCUITO IMPRESSO – Seção CHANGER –

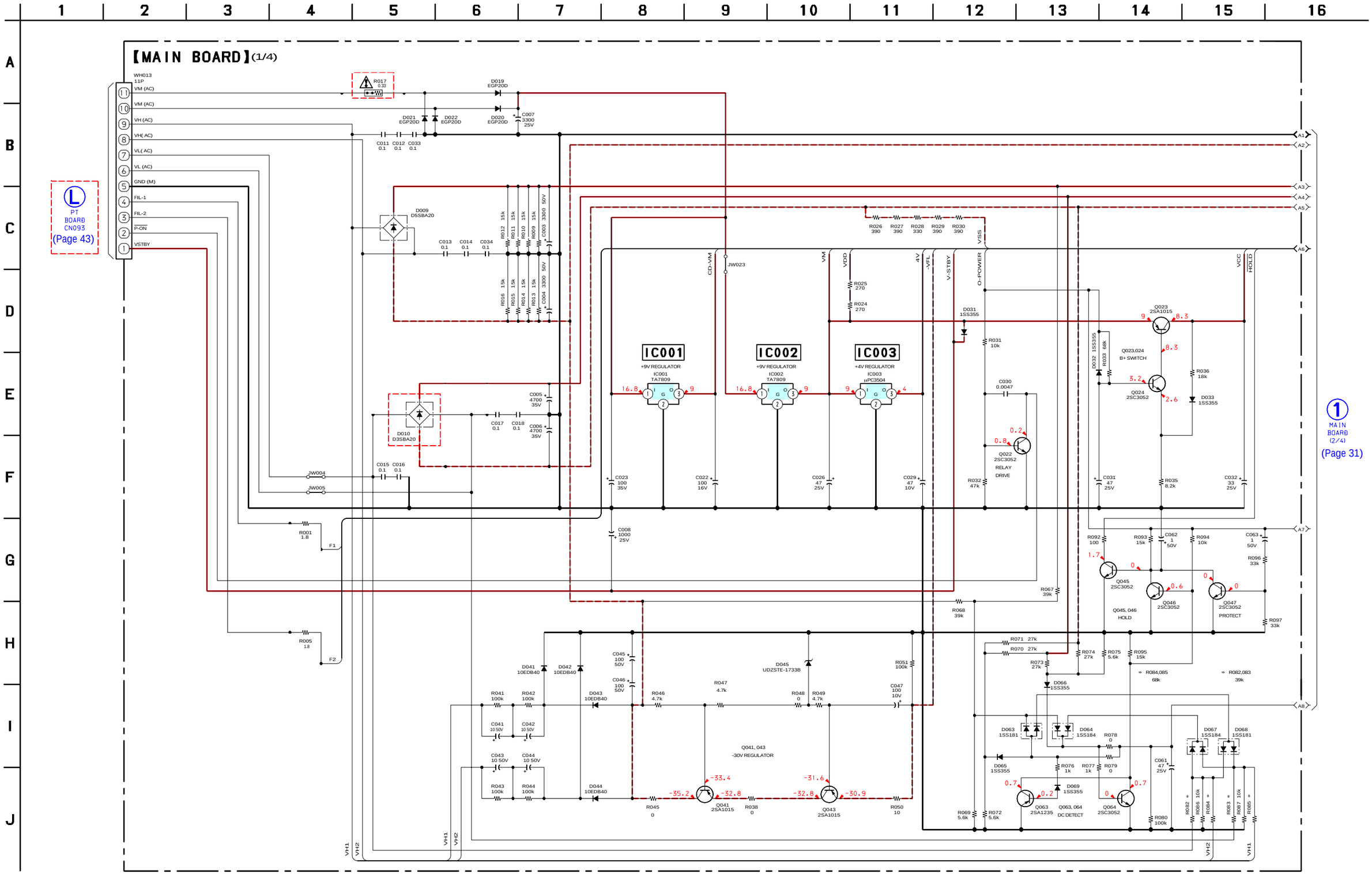
:Uses unleaded solder.



6-10. DIAGRAMA ESQUEMÁTICO – Seção CHANGER –

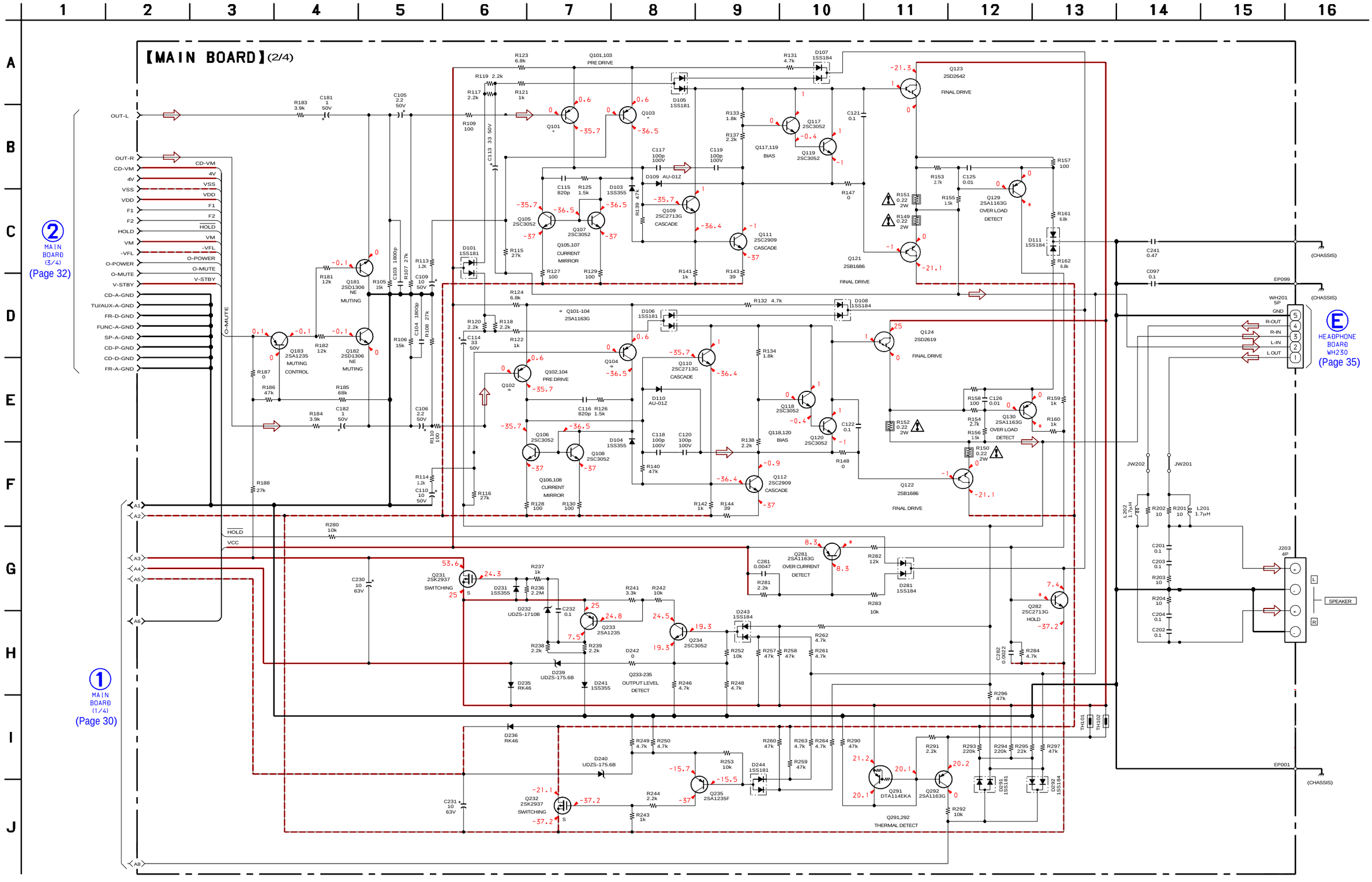


6-11. DIAGRAMA ESQUEMÁTICO – Seção PRINCIPAL (1/4) –

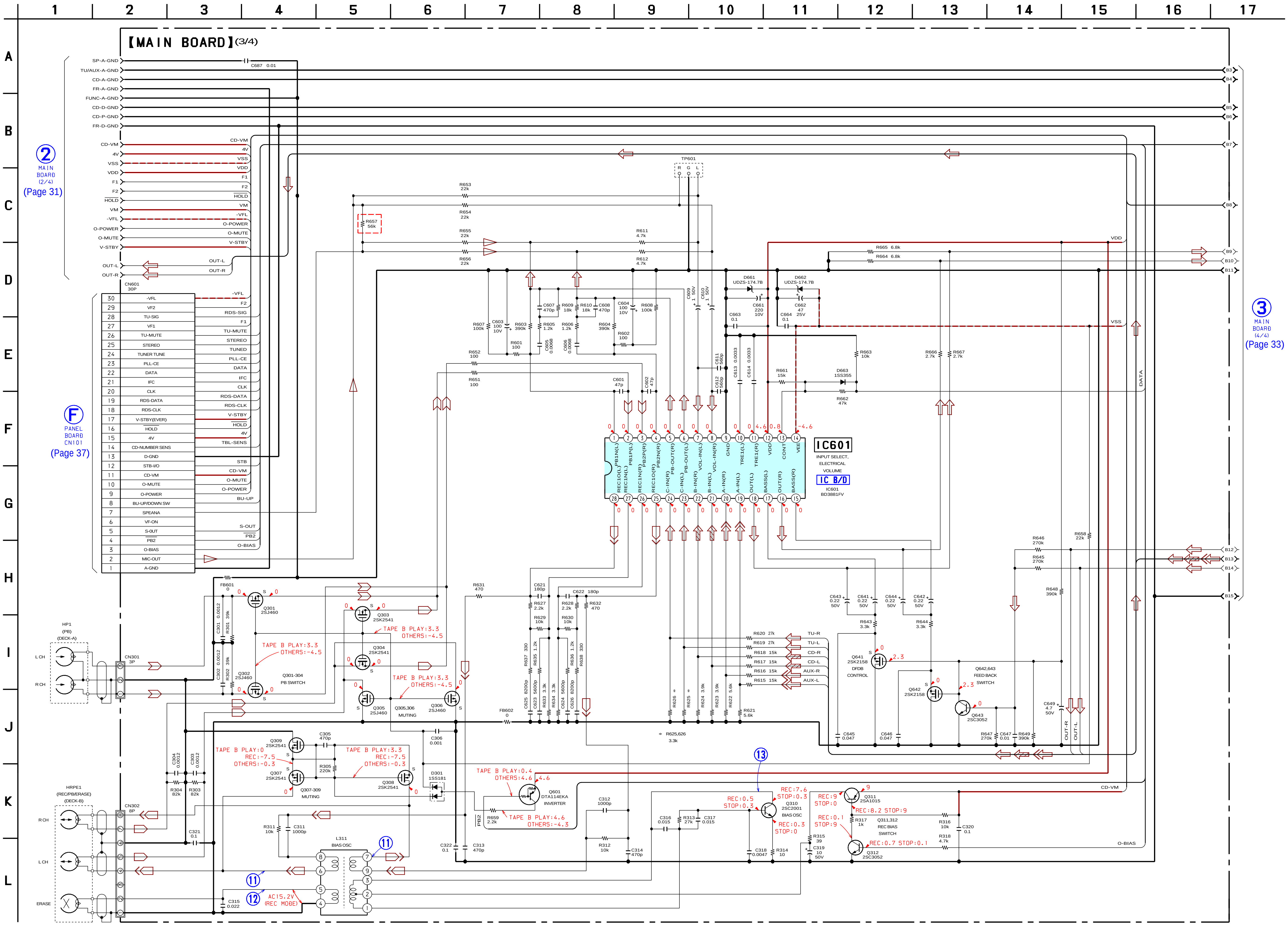


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

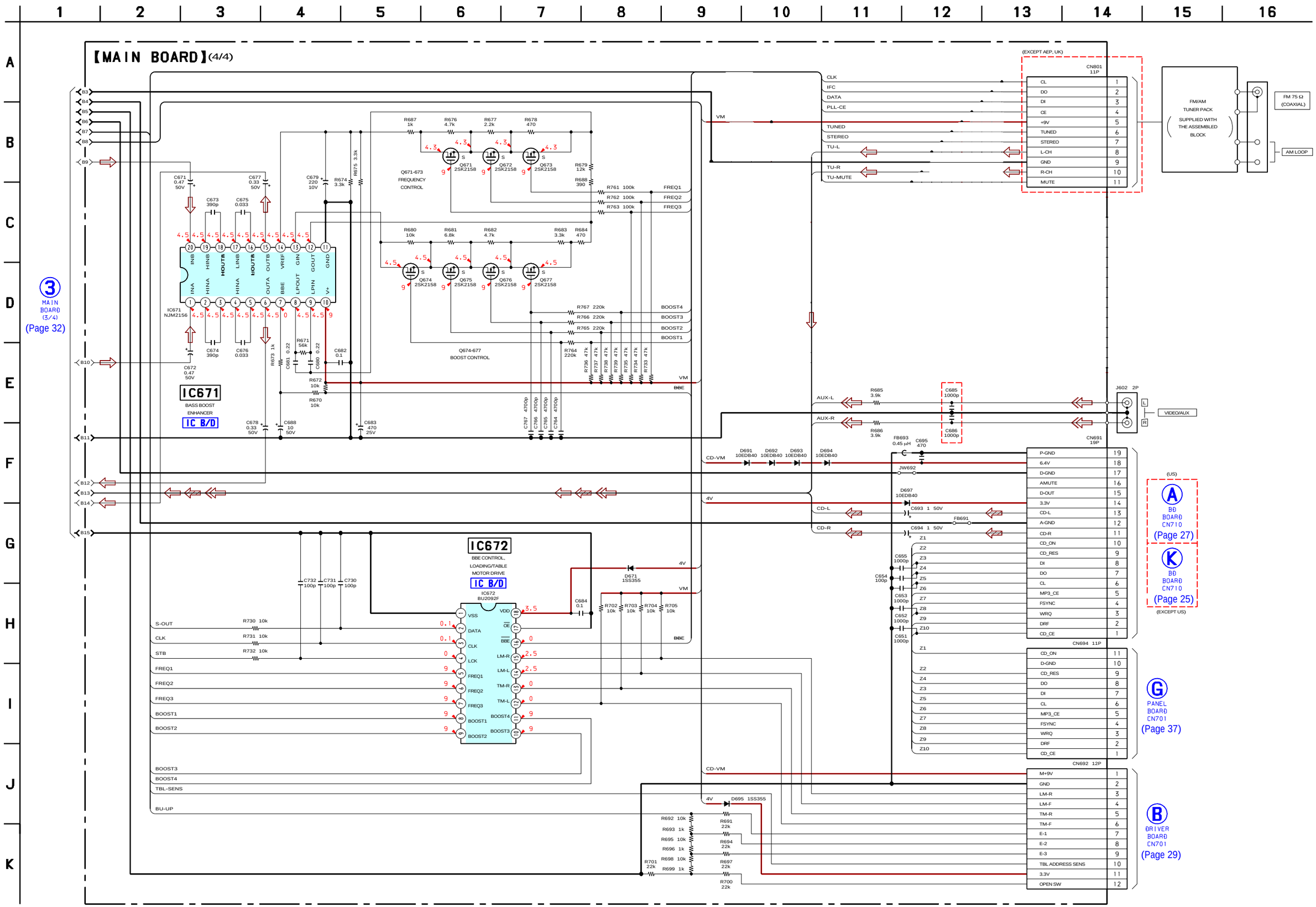
6-12. DIAGRAMA ESQUEMÁTICO – Seção PRINCIPAL (2/4) –



6-13. DIAGRAMA ESQUEMÁTICO – Seção PRINCIPAL (3/4) –

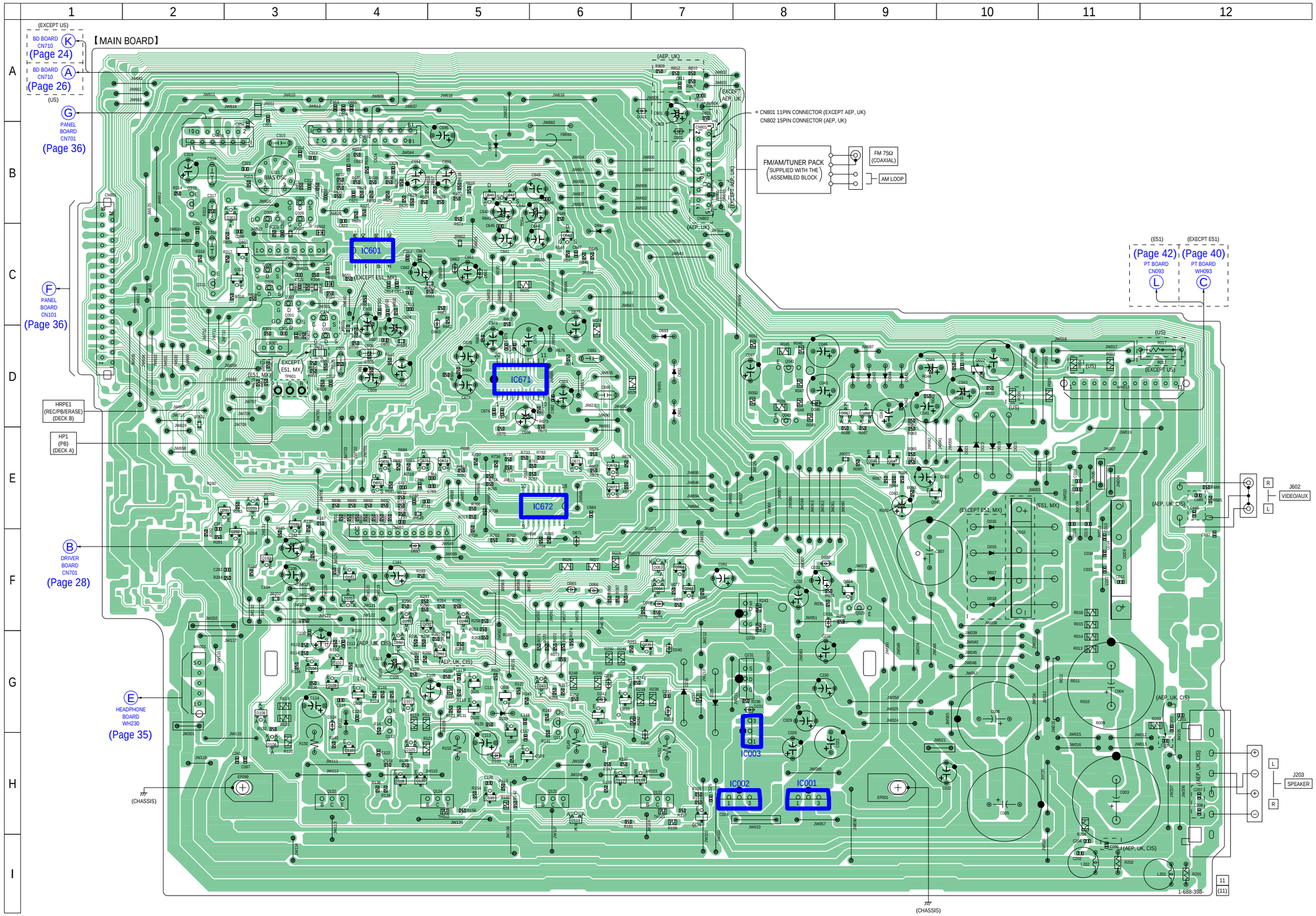


6-14. DIAGRAMA ESQUEMÁTICO – Seção PRINCIPAL (4/4) –



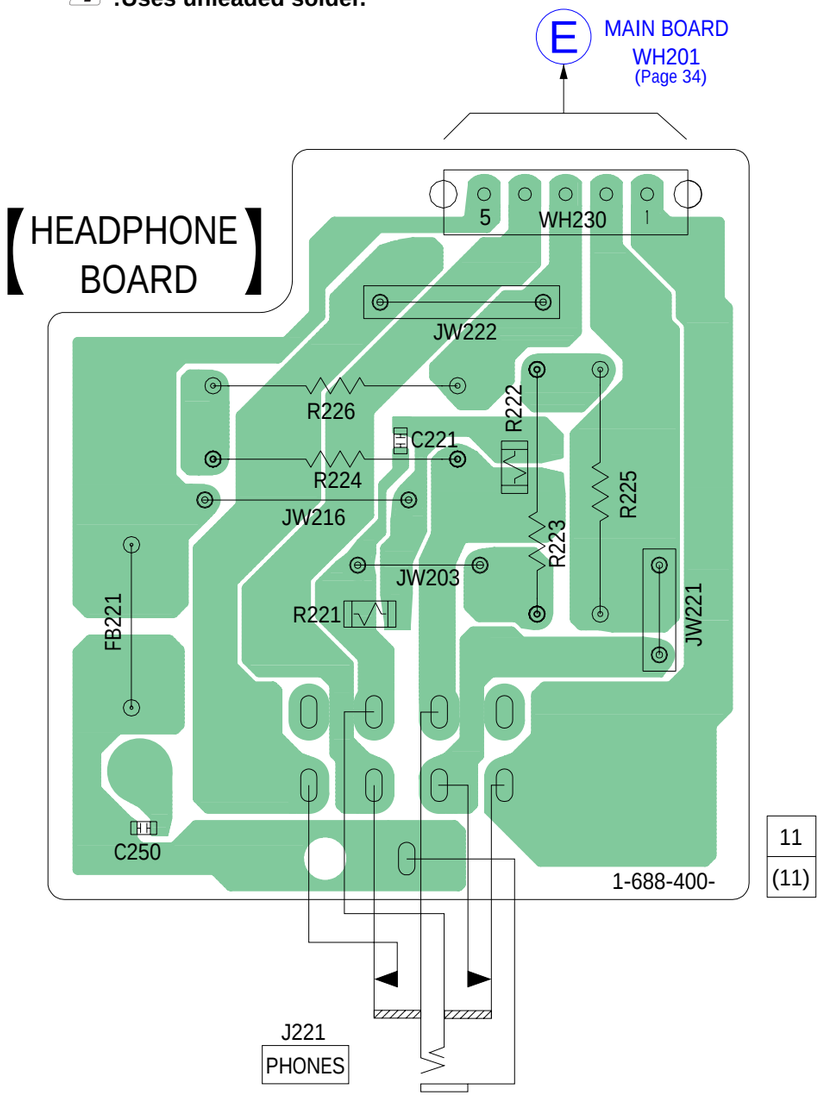
6-15. PLACA DE CIRCUITO IMPRESSO – MAIN Section –

:Uses unleaded solder.

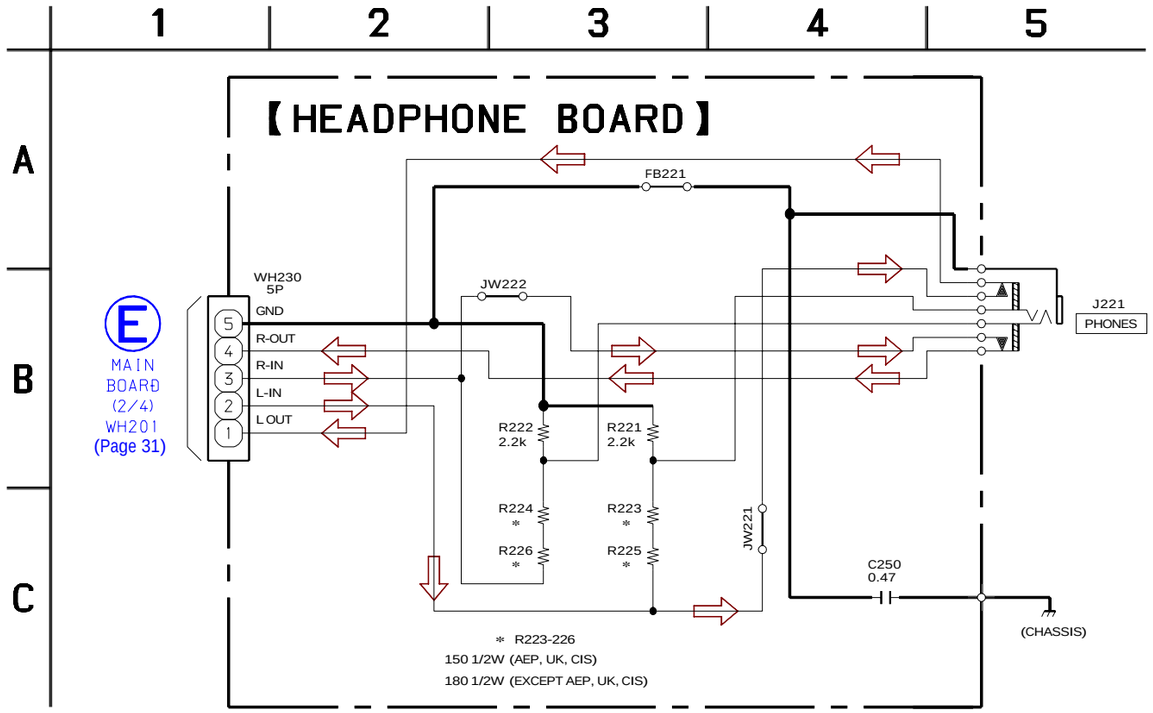


6-16. PLACA DE CIRCUITO IMPRESSO – Seção HP

:Uses unleaded solder.



6-17. DIAGRAMA ESQUEMÁTICO - SEÇÃO HP

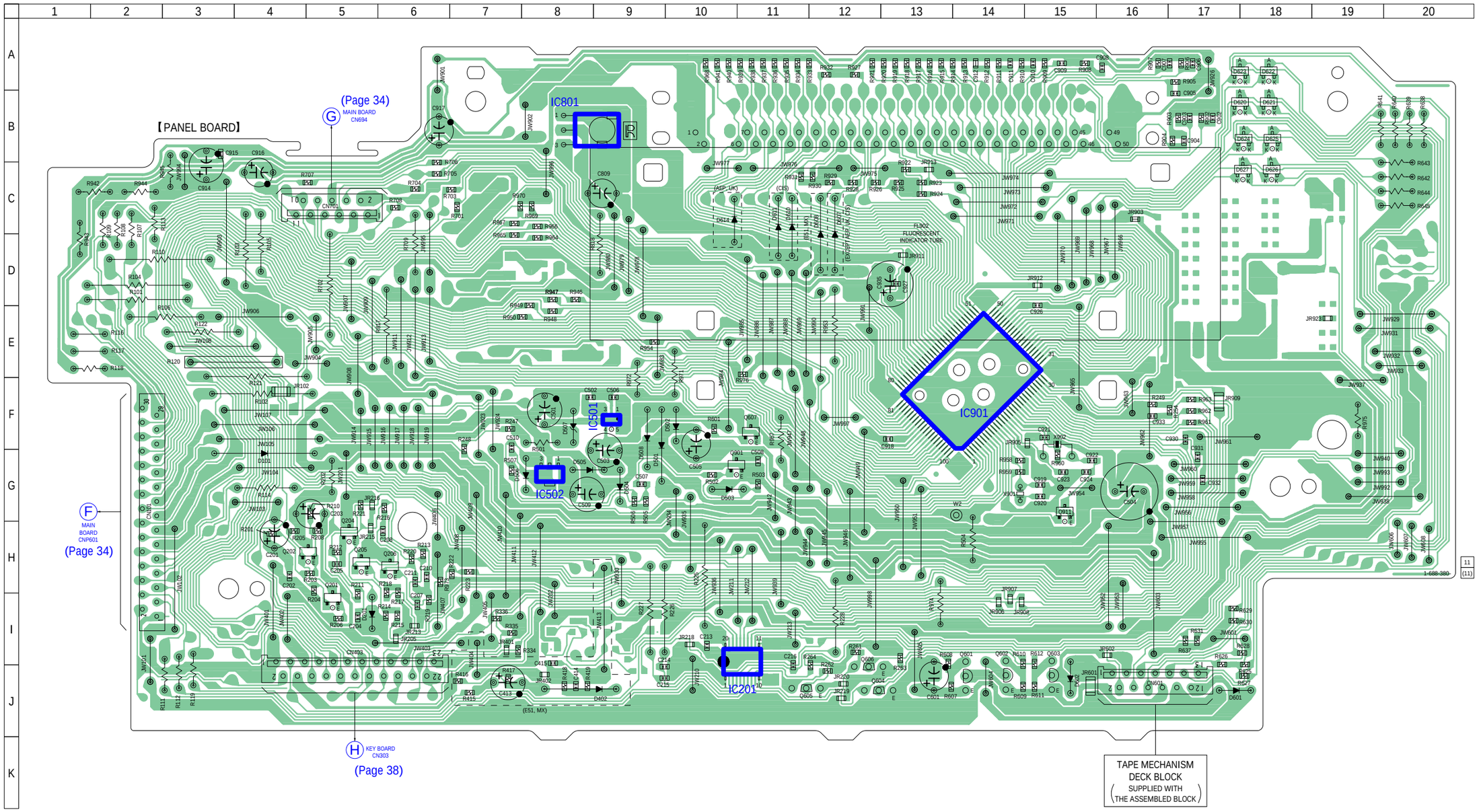


- **Localização dos Semicondutores**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D009	F-11	D065	F-6	D240	G-7			Q103	G-5	Q181	F-4	Q309	B-3
D010	F-10	D066	F-6	D241	H-7	IC001	H-8	Q104	G-3	Q182	F-3	Q310	B-2
D015	F-10	D067	D-9	D242	G-6	IC002	H-8	Q105	G-5	Q183	E-3	Q311	C-2
D016	E-10	D068	D-9	D243	G-6	IC003	G-8	Q106	G-4	Q231	G-8	Q312	C-3
D017	F-10	D069	F-7	D244	F-5	IC601	C-4	Q107	H-5	Q232	F-8	Q601	C-3
D018	F-10	D101	F-4	D281	E-3	IC671	D-5	Q108	G-4	Q233	G-6	Q641	B-3
D019	E-10	D103	H-5	D291	F-4	IC672	E-5	Q109	H-5	Q234	G-6	Q642	B-3
D020	E-10	D104	G-4	D292	G-4			Q110	H-4	Q235	G-7	Q643	C-6
D021	E-10	D105	H-4	D301	B-3	Q022	D-10	Q111	G-6	Q281	E-3	Q671	E-6
D022	E-10	D106	H-3	D661	C-5	Q023	F-9	Q112	G-4	Q282	F-3	Q672	E-6
D031	A-7	D107	G-4	D662	C-5	Q024	F-9	Q117	H-6	Q291	F-4	Q673	E-6
D032	F-8	D108	G-3	D663	C-5	Q041	D-8	Q118	H-4	Q292	G-5	Q674	E-5
D033	F-8	D109	G-5	D671	F-6	Q043	D-8	Q119	H-7	Q301	C-3	Q675	E-4
D041	D-9	D110	G-4	D691	D-7	Q045	E-9	Q120	H-4	Q302	D-3	Q676	E-4
D042	D-9	D111	H-6	D692	D-7	Q046	E-9	Q121	H-6	Q303	C-3	Q677	E-4
D043	D-9	D231	G-8	D693	D-7	Q047	E-9	Q122	H-4	Q304	C-3		
D044	D-9	D232	G-7	D694	C-6	Q063	F-7	Q123	H-7	Q305	C-3		
D045	D-8	D235	G-7	D695	F-4	Q064	F-7	Q124	H-5	Q306	C-3		
D063	F-7	D236	G-7	D697	B-5	Q101	G-5	Q129	H-7	Q307	B-3		
D064	F-7	D239	G-6	D801	B-7	Q102	G-4	Q130	H-5	Q308	B-3		

6-18. PLACA DE CIRCUITO IMPRESSO – PANEL Section –

:Uses unleaded solder.



- **Localização dos Semicondutores**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D101	G-4	D602	J-15	D626	C-18	Q205	H-5
D201	I-5	D607	D-12	D627	C-18	Q206	H-6
D402	J-8	D608	D-12			Q601	J-14
D501	F-9	D610	C-11	IC201	I-11	Q602	J-14
D502	F-10	D611	C-11	IC501	F-9	Q603	J-15
D503	G-10	D614	C-10	IC502	G-8	Q604	J-12
D504	G-9	D620	B-18	IC801	B-9	Q605	J-11
D505	G-8	D621	B-18	IC901	F-14	Q606	J-12
D506	G-8	D622	A-18			Q607	F-11
D507	F-8	D623	A-18	Q201	I-5	Q901	G-10
D508	F-9	D624	B-18	Q202	H-5		
D601	J-17	D625	B-18	Q204	H-5		

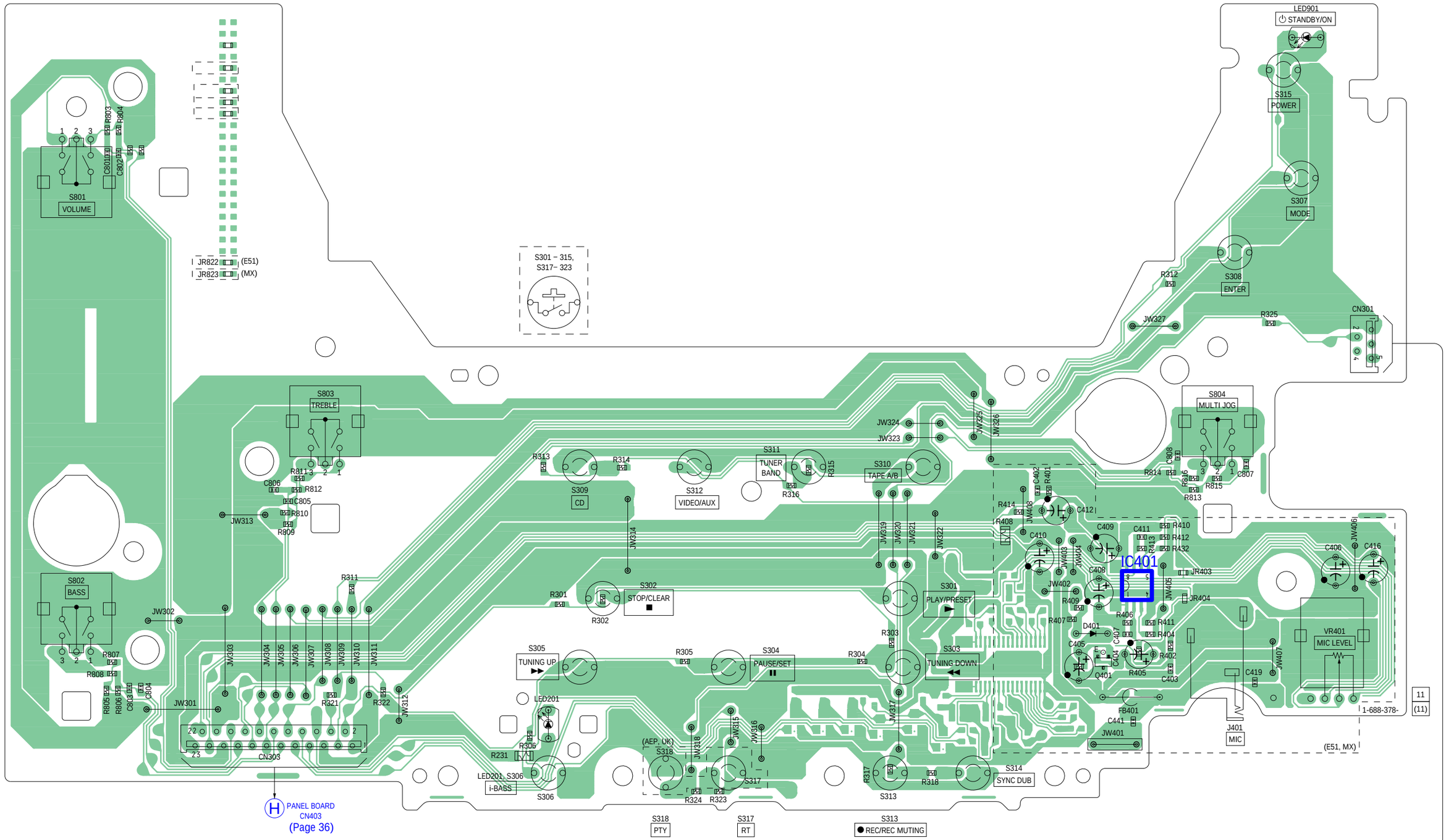
6-19. DIAGRAMA ESQUEMÁTICO – Seção PAINEL

【PANEL BOARD】

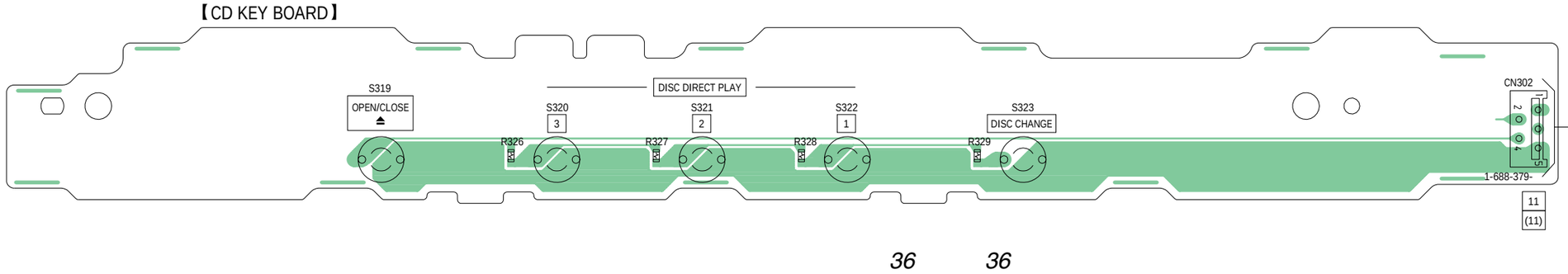
6-20. PLACA DE CIRCUITO IMPRESSO – Seção KEY

:Uses unleaded solder.

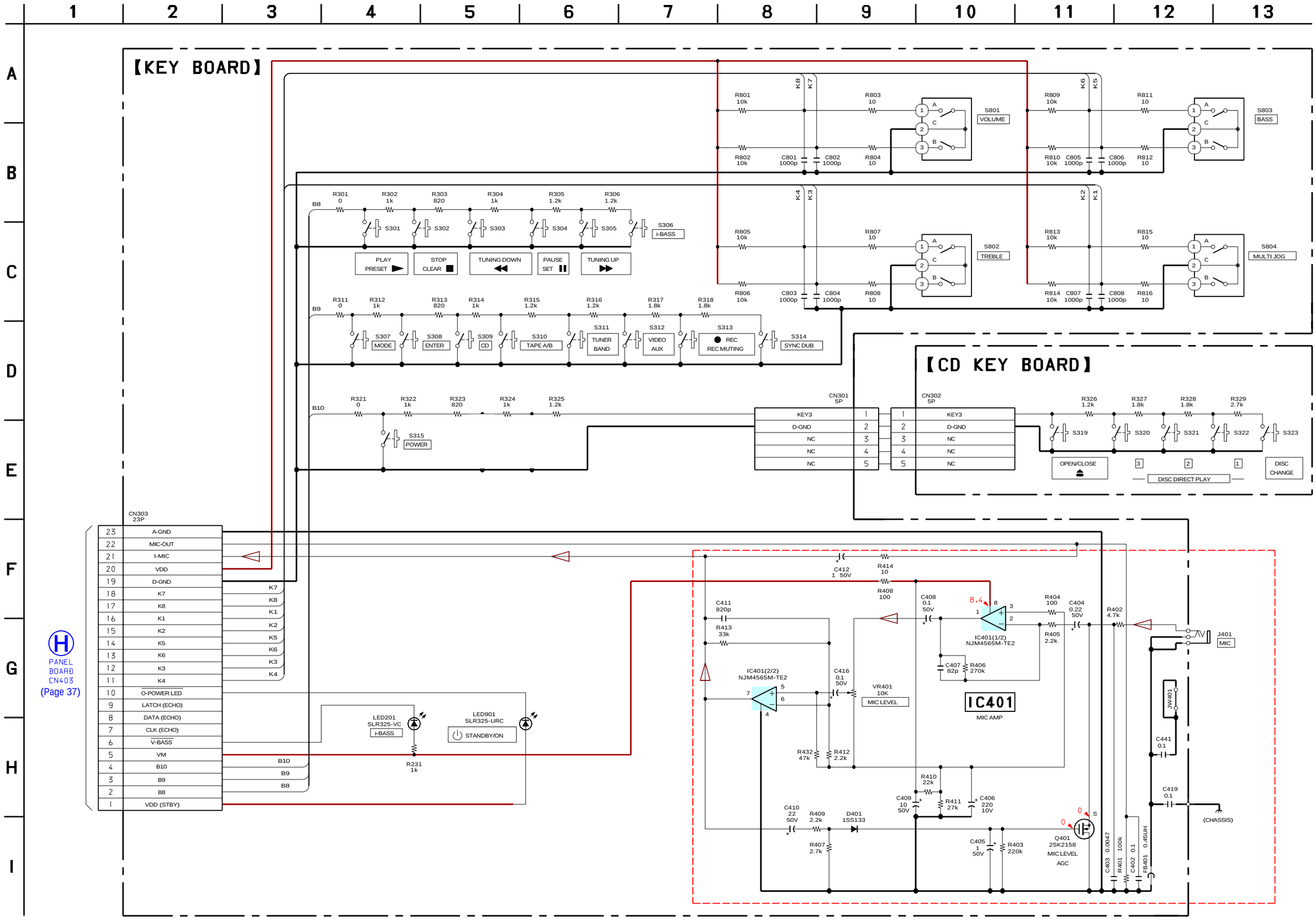
【KEY BOARD】



【CD KEY BOARD】

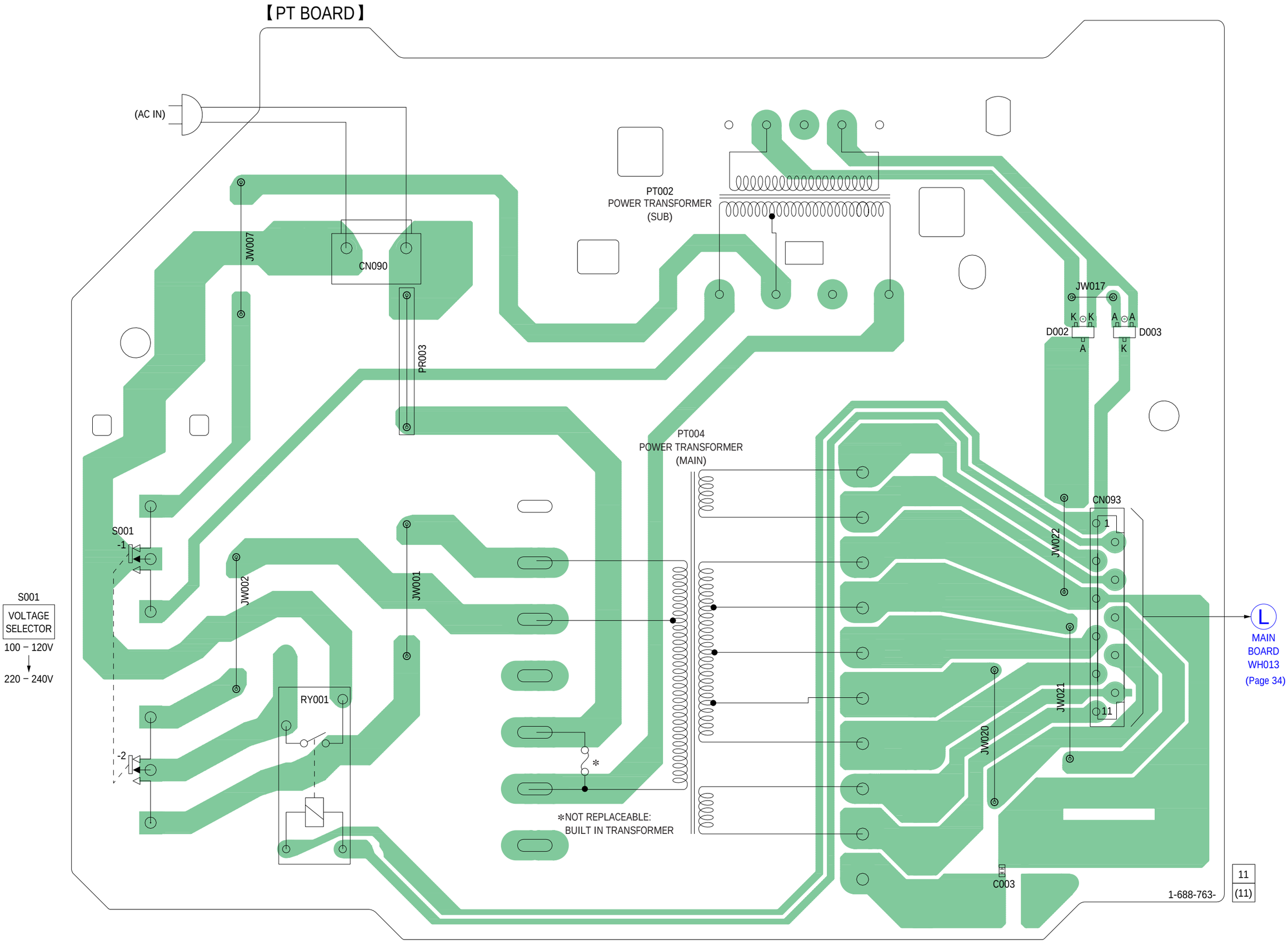


6-21. DIAGRAMA ESQUEMÁTICO – Seção Key

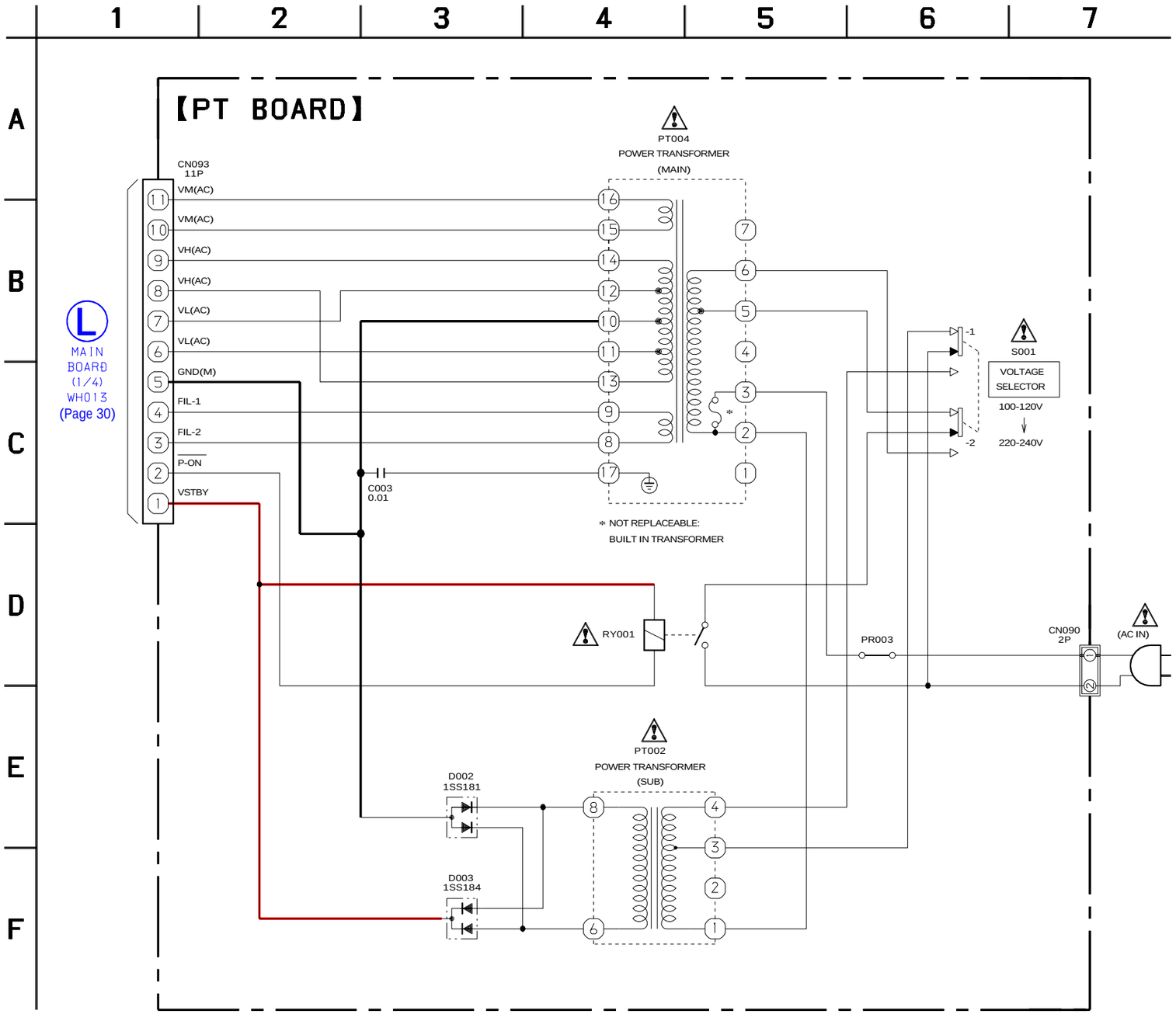


6-24. PLACA DE CIRCUITO IMPRESSO – Seção PT

:Uses unleaded solder.



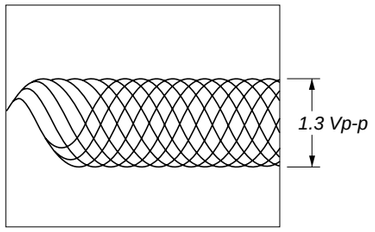
6-25. DIAGRAMA ESQUEMÁTICO – Seção PT



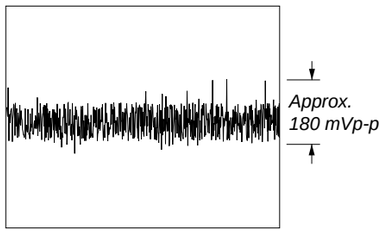
• FORMAS DE ONDA

– PLACA BD –

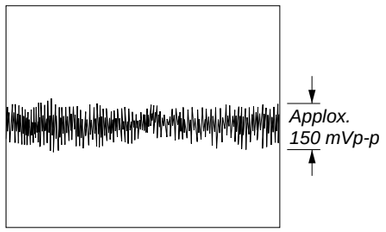
❶ IC721 ④ (RF) (CD Play Mode)



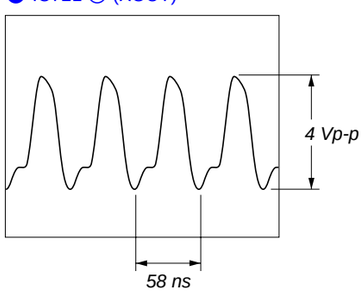
❷ IC721 ⑬ (TE) (CD Play Mode)



❸ IC721 ⑮ (TE) (CD Play Mode)

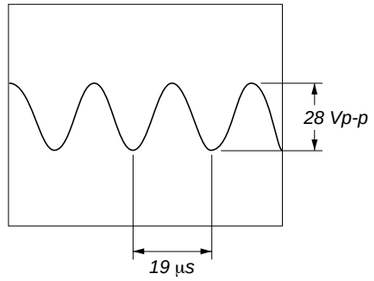


❹ IC721 ㊽ (XOUT)

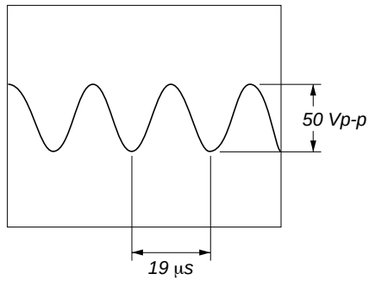


– PLACA PRINCIPAL –

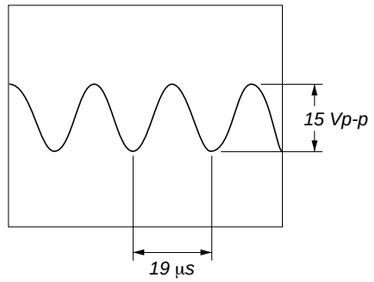
⓫ L311 ⑥ , ⑦ (REC Mode)



⓬ L311 ⑤ (REC Mode)

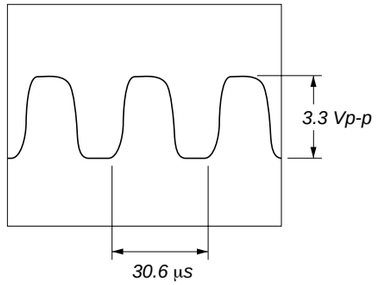


⓭ Q310 Collector (REC Mode)

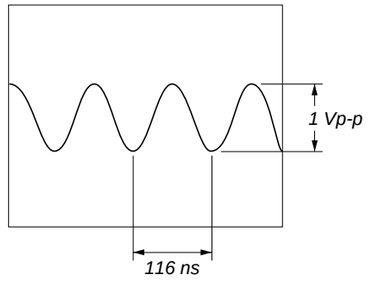


– PLACA PAINEL –

⓮ IC901 ⑬ (XT2)



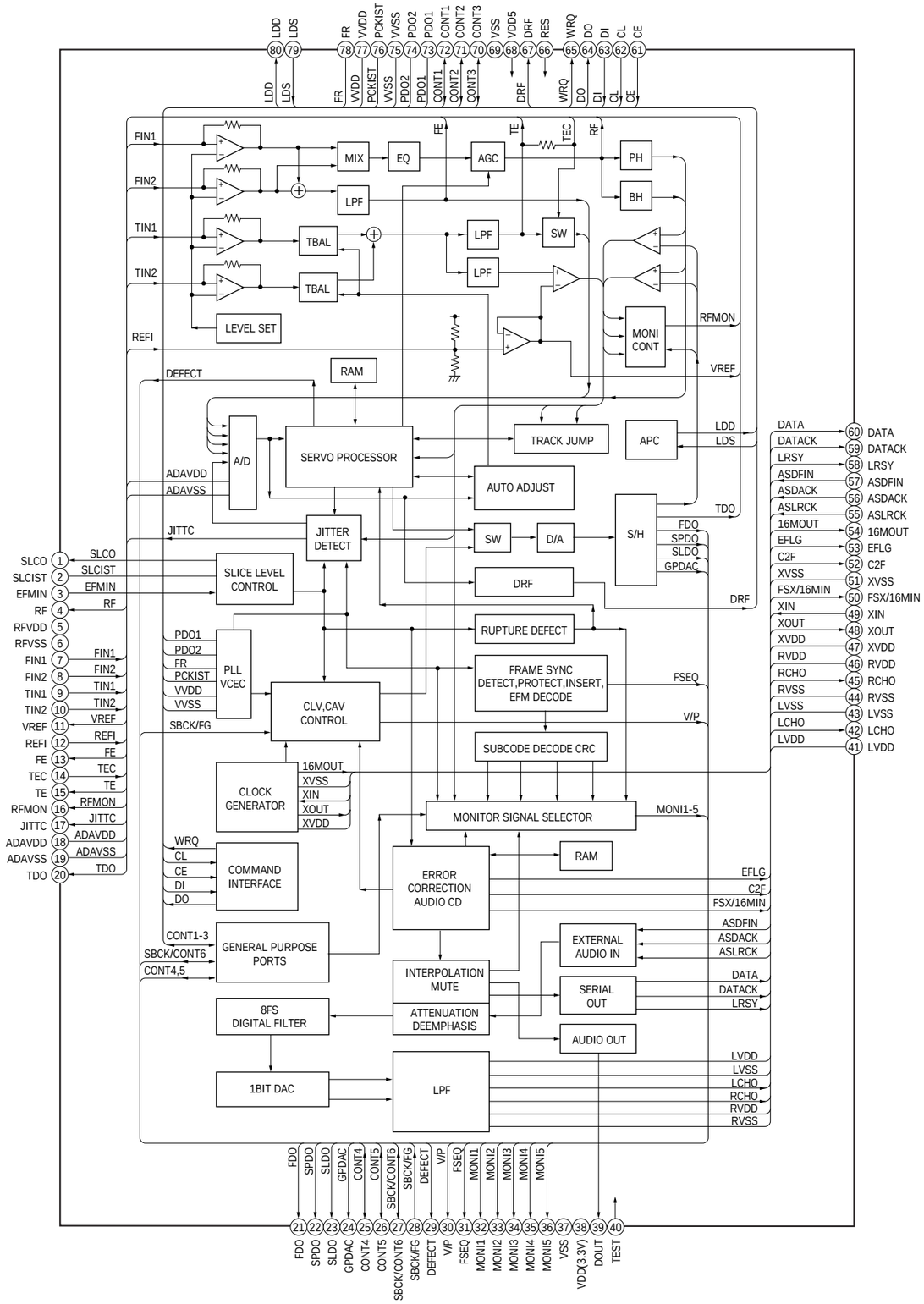
⓯ IC901 ⑯ (CF2)



• DIAGRAMA EM BLOCO DOS ICs

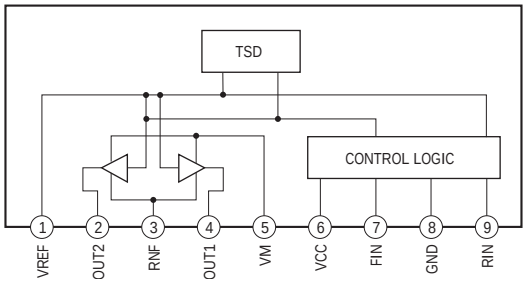
– PLACA BD –

IC721 LC78646E-E



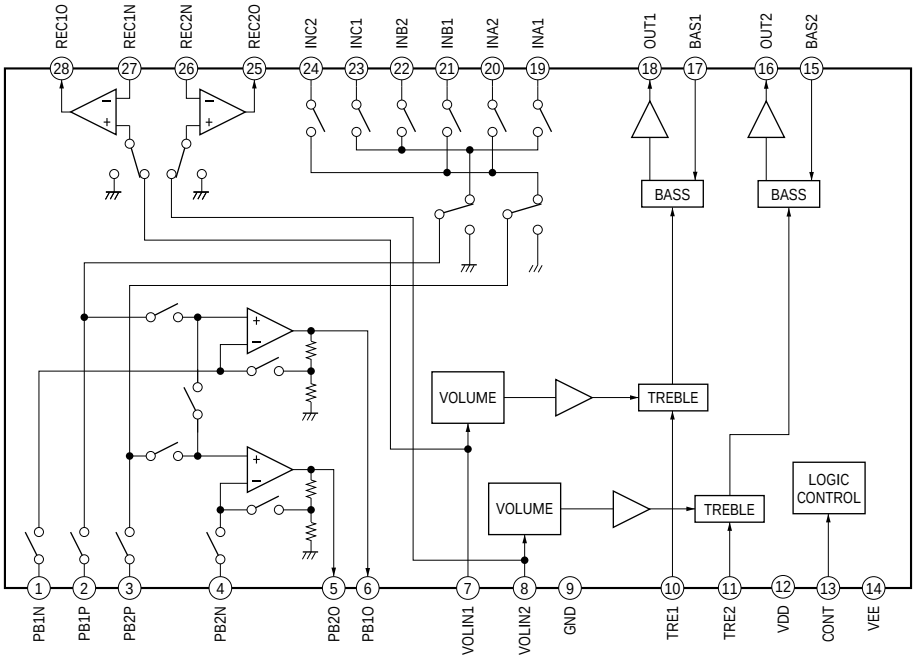
– PLACA DRIVER –

IC701, 712 BA6956AN

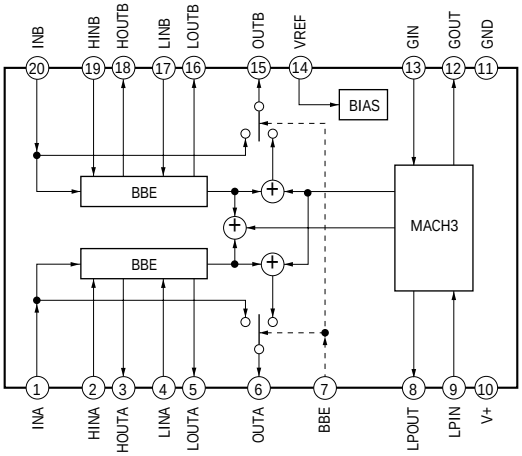


– PLACA PRINCIPAL –

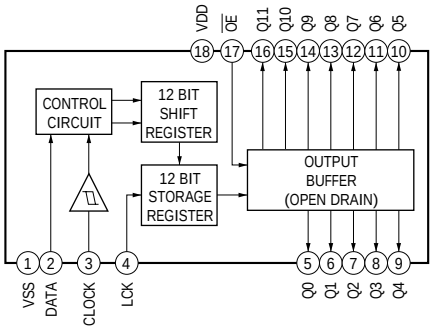
IC601 BD3881FV



IC671 NJM2156M (TE2)

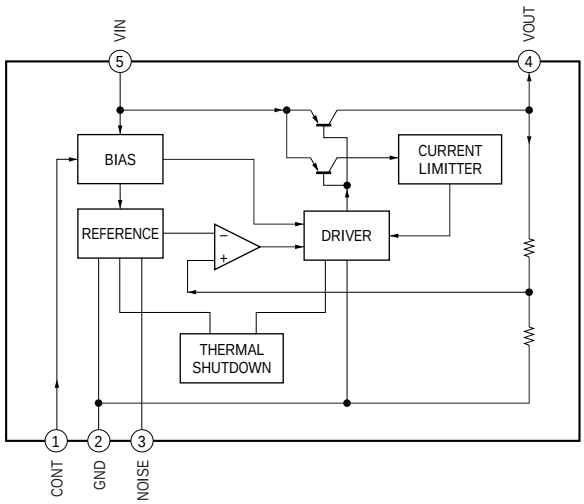


IC672 BU2092F-E2



– PLACA PAINEL –

IC501 MM1614A



6-24. DESCRIÇÃO DOS PINOS DOS IC's

- **PLACA PAINEL IC901 (SYSTEM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	SYS-MUTE	O	Line muting on/off control signal output terminal
2	RDS DO	I	RDS serial data input from the FM/AM tuner unit
3	TU/EVOL DO	O	Serial data output to the FM/AM tuner unit, motor/plunger driver and electrical volume
4	CD RESET	O	Reset signal output to the CD DSP
5	CD CE	O	Chip enable signal output to the CD DSP
6	MP3 CE	O	Chip enable signal output to the MP3 decoder (Except US model)
7	$\overline{\text{CLK-SHIFT}}$	O	Shift clock signal output terminal Not used
8	LCK	O	Latch clock signal output to the motor/plunger driver
9	TU CE	O	Chip enable signal output to the FM/AM tuner unit
10	MP3 SYNC	I	SYNC signal input from the MP3 decoder (Except US model)
11	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
12	XT1	I	System clock input terminal (32.768 kHz)
13	XT2	O	System clock output terminal (32.768 kHz)
14	VSS1	—	Ground terminal
15	CF1	I	System clock input terminal (8.64 MHz)
16	CF2	O	System clock output terminal (8.64 MHz)
17	VDD1	—	Power supply terminal (+3.3V)
18	POWER DOWN	I	Power down detection signal input terminal
19	TU-SIG/MIC	I	RDS signal input (AEP and UK models) and MIC signal input (Chilean, Peruvian and Mexican models) terminal
20	CD BUSY	I	Optical pick-up up/down detection and tray open/close detection signal input terminal
21	SPEANA-L	I	Spectrum analyzer drive signal input terminal (low band)
22	SPEANA-M	I	Spectrum analyzer drive signal input terminal (middle band)
23	SPEANA-H	I	Spectrum analyzer drive signal input terminal (high band)
24	KEY3	I	Front panel key input terminal (A/D input)
25	KEY2	I	Front panel key input terminal (A/D input)
26	KEY1	I	Front panel key input terminal (A/D input)
27	$\overline{\text{HOLD}}$	I	System malfunction signal (hold signal) input from the power amplifier circuit
28	RDS CLK	I	RDS serial data transfer clock signal input from the tuner unit
29	RMC	I	Remote control signal input terminal
30 to 40	G1 to G11	O	Grid drive signal output to the fluorescent indicator tube
41 to 45	S1 to S5	O	Segment drive signal output to the fluorescent indicator tube
46	VDD3	—	Power supply terminal (+3.3V)
47	A PHOTO/S6	I/O	Deck-A tape reel rotating detection signal input and segment drive signal output to the fluorescent indicator tube
48	B PHOTO/S7	I/O	Deck-B tape reel rotating detection signal input and segment drive signal output to the fluorescent indicator tube
49	$\overline{\text{REC REV}}$/S8	I/O	Recording (reverse direction) detection signal input and segment drive signal output to the fluorescent indicator tube
50	$\overline{\text{B MODE}}$/S9	I/O	Deck-B mode detection signal input and segment drive signal output to the fluorescent indicator tube
51	$\overline{\text{FIX0}}$	I/O	Not used
52	$\overline{\text{B HALF}}$/S10	I/O	Deck-B cassette detection signal input and segment drive signal output to the fluorescent indicator tube

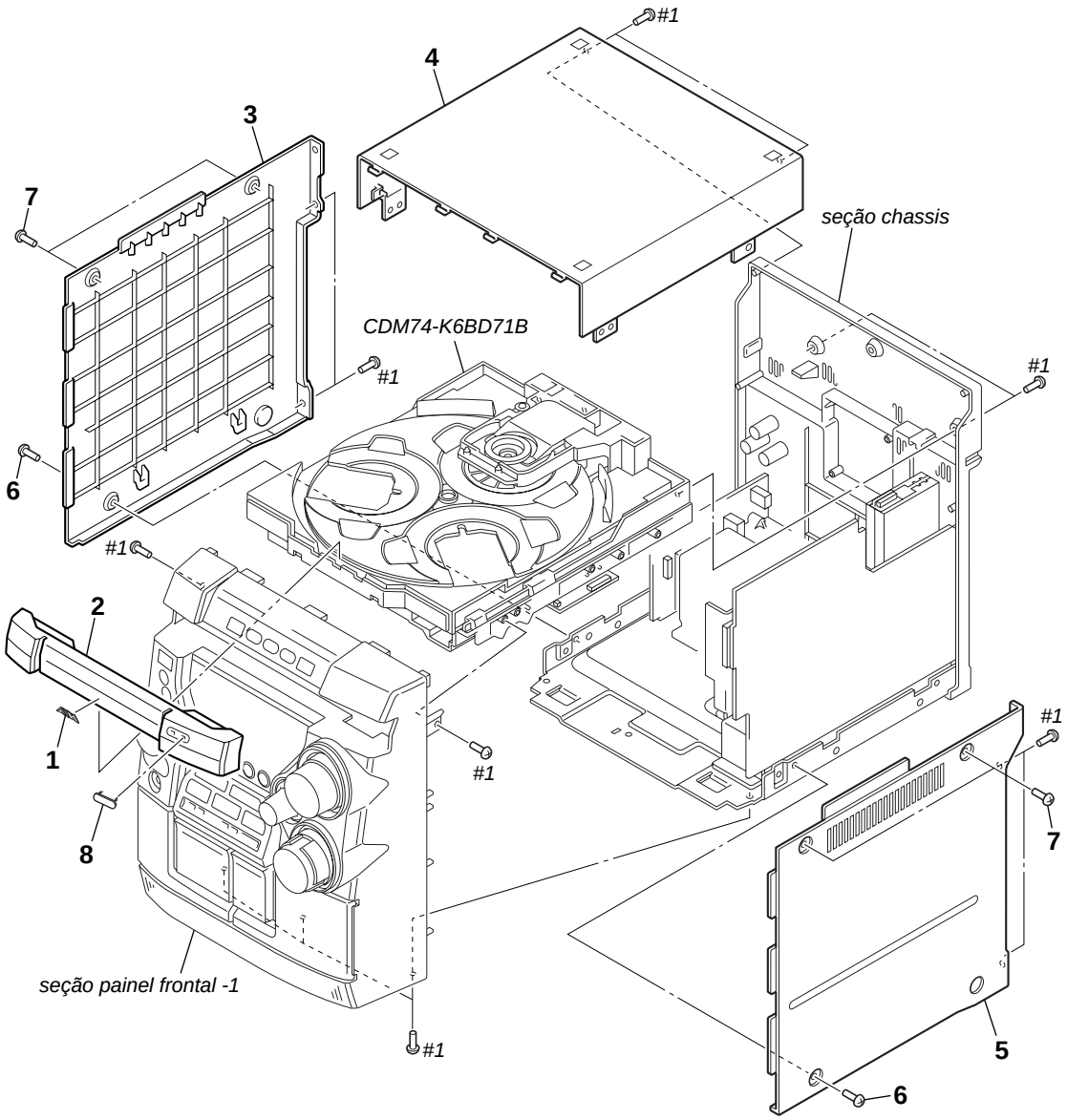
Pin No.	Pin Name	I/O	Description
53	$\overline{\text{REC FWD}}$/S11	I/O	Recording (forward direction) detection signal input and segment drive signal output to the fluorescent indicator tube
54	$\overline{\text{A HALF}}$/S12	I/O	Deck-A cassette detection signal input and segment drive signal output to the fluorescent indicator tube
55	$\overline{\text{A MODE}}$/S13	I/O	Deck-A mode detection signal input and segment drive signal output to the fluorescent indicator tube
56 to 67	S14 to S25	O	Segment drive signal output to the fluorescent indicator tube
68 to 71	S26 to S29	O	Segment drive signal output to the fluorescent indicator tube
72	VDD4	—	Power supply terminal (+3.3V)
73	S30	O	Segment drive signal output to the fluorescent indicator tube
74	CD NUMBER SENS	I	CD table address detection signal input terminal
75	TUNED	I	Tuning detection signal input from the tuner unit
76	STEREO	I	FM stereo detection signal input from the tuner unit
77	VOL A	I	Jog dial pulse input terminal (VOLUME)
78	VOL B	I	Jog dial pulse input terminal (VOLUME)
79	JOG A	I	Jog dial pulse input terminal (JOG)
80	JOG B	I	Jog dial pulse input terminal (JOG)
81	TRE A	I	Jog dial pulse input terminal (TREBLE)
82	TRE B	I	Jog dial pulse input terminal (TREBLE)
83	BASS A	I	Jog dial pulse input terminal (BASS)
84	BASS B	I	Jog dial pulse input terminal (BASS)
85	TUNER MUTE	O	Tuner muting on/off control signal output terminal
86	$\overline{\text{LED L}}$	O	LED drive signal output terminal
87	$\overline{\text{LED R}}$	O	LED drive signal output terminal
88	CLK	O	Serial data transfer clock signal output to the FM/AM tuner unit, motor/plunger driver and BBE controller
89	VSS2	—	Ground terminal
90	VDD2	—	Power supply terminal (+3.3V)
91	VF ON	O	Not used
92	$\overline{\text{KEYSCAN}}$	O	Scan signal output for switches in the tape deck section and segment drive signal (S14 to S25)
93	$\overline{\text{POWER LED}}$	O	LED drive signal output terminal
94	$\overline{\text{POWER}}$	O	Power on/off control signal output terminal
95	CD DRF	I	Focus on detection signal input from the CD DSP
96	TU DI	I	Serial data input from the FM/AM tuner unit
97	CD WRQ	I	Interrupt request signal input from the CD DSP
98	CD DI	I	Serial data input from the CD DSP
99	CD DO	O	Serial data output to the CD DSP
100	CD CLK	O	Serial data transfer clock signal output to the CD DSP

SEÇÃO 7
VISTAS EXPLODIDAS

NOTA:
- -XX e-X indicam peças padrão que podem apresentar algumas diferenças em relação à originais.
- Itens com a marca "*" não são mantidos em estoque por serem raramente solicitados. Evite atrasos antecipando os pedidos para estes itens.
- Partes mecânicas sem número de referência nas vistas explodidas não são fonecidas.

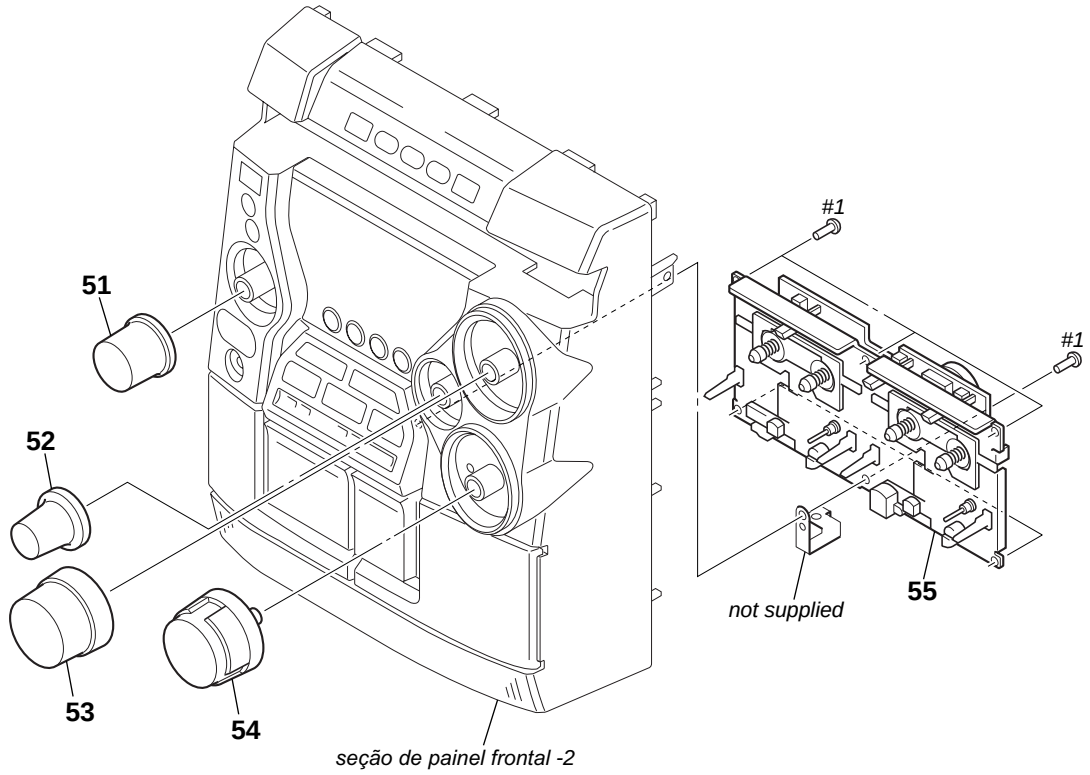
Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente especificadas nesse manual.

7-1. GABINETE



Ref. No.	Part No.	Description	Remark
1	4-245-158-01	EMBLEMA	
2	4-245-186-11	PAINEL DE CARREGAMENTO	
3	4-245-183-51	TAMPA LATARAL (ESQ)	
4	4-245-849-51	TAMPA SUPERIOR	
5	4-245-184-51	TAMPA LATERAL (R)	
6	3-363-099-01	SCREW (CASE 3 TP2)	
7	3-363-099-41	SCREW (CASE 3 TP2)	
8	4-246-682-01	EMBLEMA (30), MP3	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

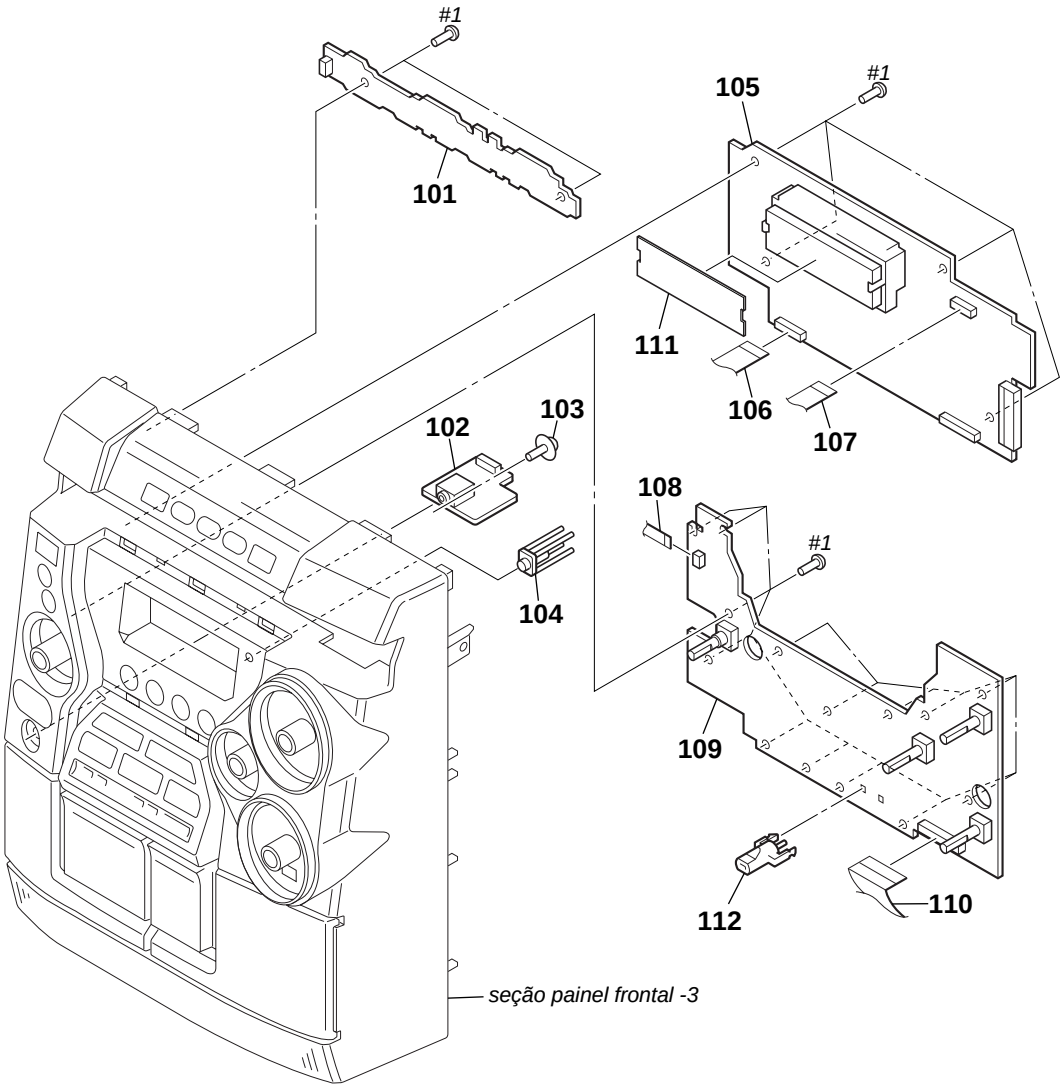
7-2. PAINEL FRONTAL SEÇÃO -1



Ref. No.	Part No.	Description	Remark
51	4-245-177-01	ROTARY (JOG), KNOB	
52	4-245-179-01	ROTARY (TRE), KNOB	
53	4-245-182-01	PLATING, KNOB ROTARY (VOL)	
54	4-245-176-01	PLATING, KNOB ROTARY (BASS)	
55	1-796-485-61	DECK, MECHANICAL (CWM43FF05)	
56	4-245-289-01	KNOB (MIC)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

Ref. No.	Part No.	Description	Remark
55-1	4-249-690-01	CORREIA (BF)	
55-2	4-235-777-01	CORREIA (FR)	
55-3	4-243-609-01	CORREIA (AF)	
55-4	A-4740-625-A	CABEÇA DECK A	
55-5	A-4740-626-A	CABEÇA DECK B	

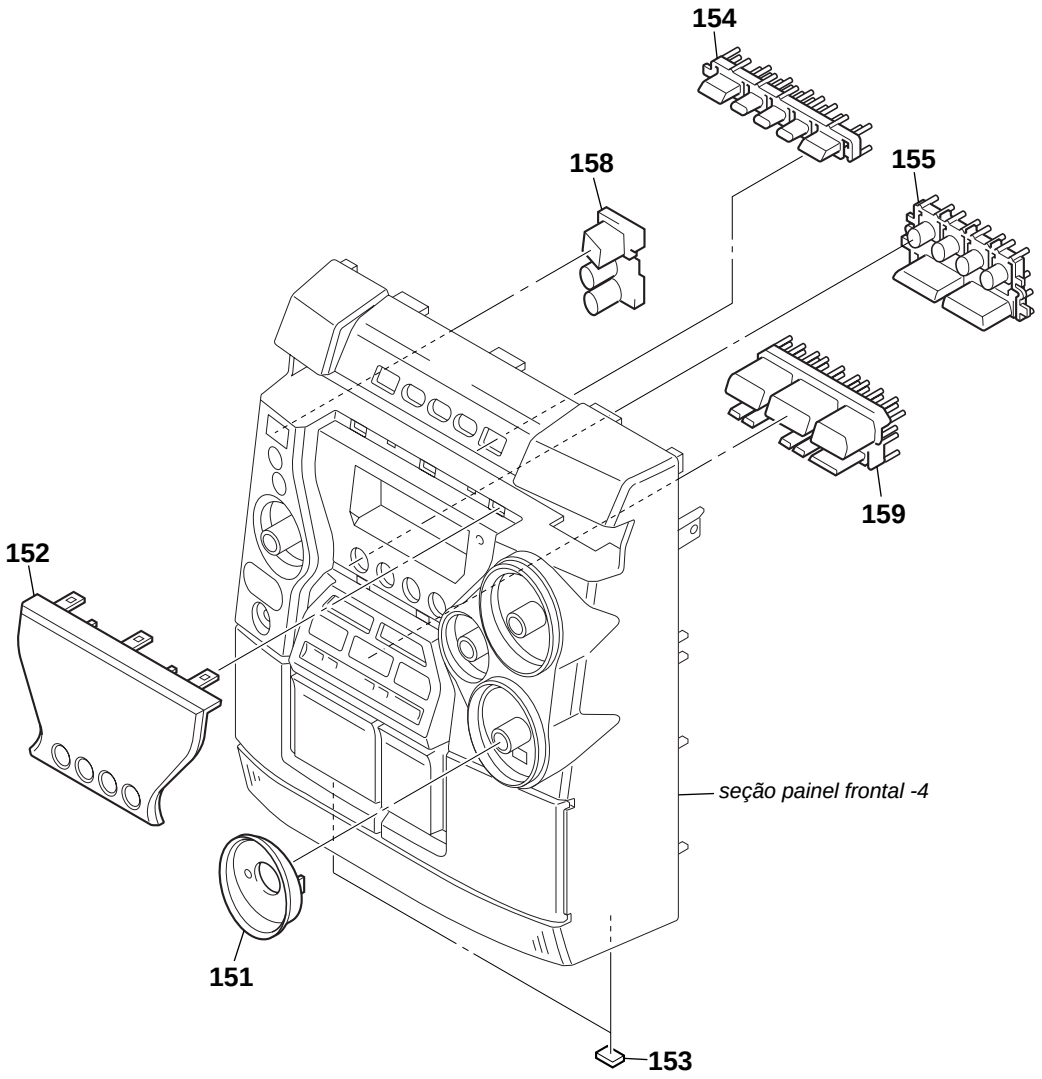
7-3. SEÇÃO PAINEL FRONTAL-2



Ref. No.	Part No.	Description	Remark
101	1-688-379-11	CD KEY BOARD	
102	1-688-400-11	HEADPHONE BOARD	
103	3-229-336-01	SCREW, +BVWH TAPPING	
104	4-245-189-01	REFLECTOR, REMOTE CONTROL	
105	Y-8284-040-A	PLACA PAINEL MONTADA	
106	1-769-070-11	CABO TIPO FLAT (13 VIAS)	

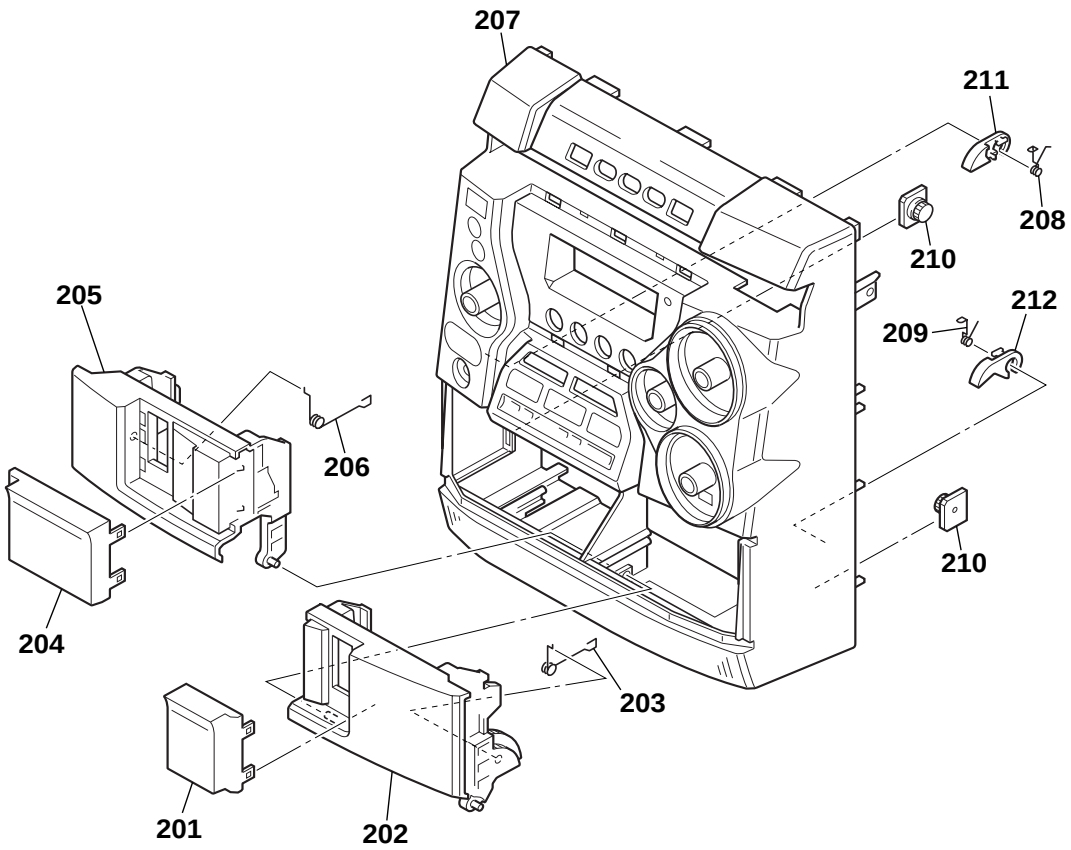
Ref. No.	Part No.	Description	Remark
107	1-769-944-11	CABO TIPO FLAT (11 VIAS)	
108	1-769-857-11	CABO TIPO FLAT (5 VIAS)	
109	Y-8284-046-A	PLCA CHAVE MONTADA	
110	1-769-979-11	CABO TIPO FLAT (23 VIAS)	
111	4-245-194-01	SHEET, FL	
112	4-245-263-01	GUIA (I BASS)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	

7-4. SEÇÃO PAINEL FRONTAL-3



Ref. No.	Part No.	Description	Remark
151	4-245-193-01	ANEL (BASS)	
152	4-245-199-21	VISOR, DISPLAY	
153	4-233-980-01	RUBBER FOOT	
154	4-245-171-01	TECLA (CD) (DISC CHANGE. 1. 2. 3. ⏏)	
155	4-245-172-01	TECLA (FUN) (TAPE A/B. TUNER BAND. VIDEO/AUX. CD. ►. ■)	
158	4-245-173-01	TECLA (POWER)	
159	4-245-174-01	TECLA (MP3) (◄◄. ❚❚. ►►. SYNC DUB. ● REC/REC MUTE. PTY. PT. i-BASS)	

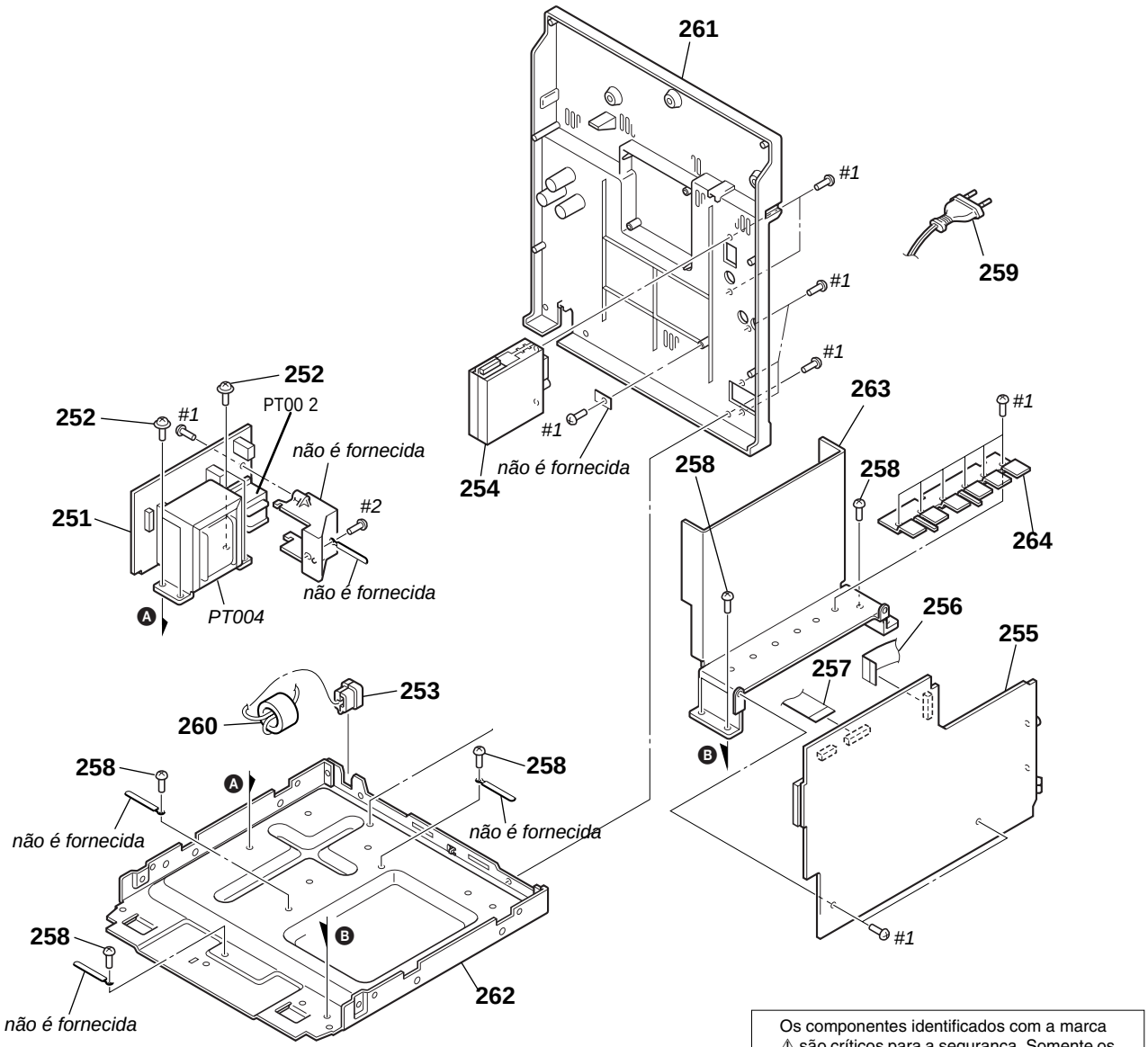
7-5. SEÇÃO PAINEL FRONTAL-4



Ref. No.	Part No.	Description	Remark
201	4-245-198-01	VISOR CASSETE (D)	
202	4-245-160-01	TAMPA CASSETE (D)	
203	4-245-196-01	MOLA (D), TORSION COIL	
204	4-245-197-01	VISOR CASSETE (E)	
205	4-245-159-01	TAMPA CASSETE (E)	
206	4-245-195-01	MOLA (E), TORSION COIL	

Ref. No.	Part No.	Description	Remark
207	4-245-161-21	PAINEL FRONTAL	
207-1	2-245-191-01	INDICADOR (ECO)	
208	4-231-836-01	MOLA (HEART CAM-A)	
209	4-231-841-02	MOLA (HEART CAM-B)	
210	4-224-104-41	AMORTECEDOR	
211	4-231-824-01	TRAVA (A)	
212	4-231-825-01	TRAVA (B)	

7-6. SEÇÃO CHASSIS

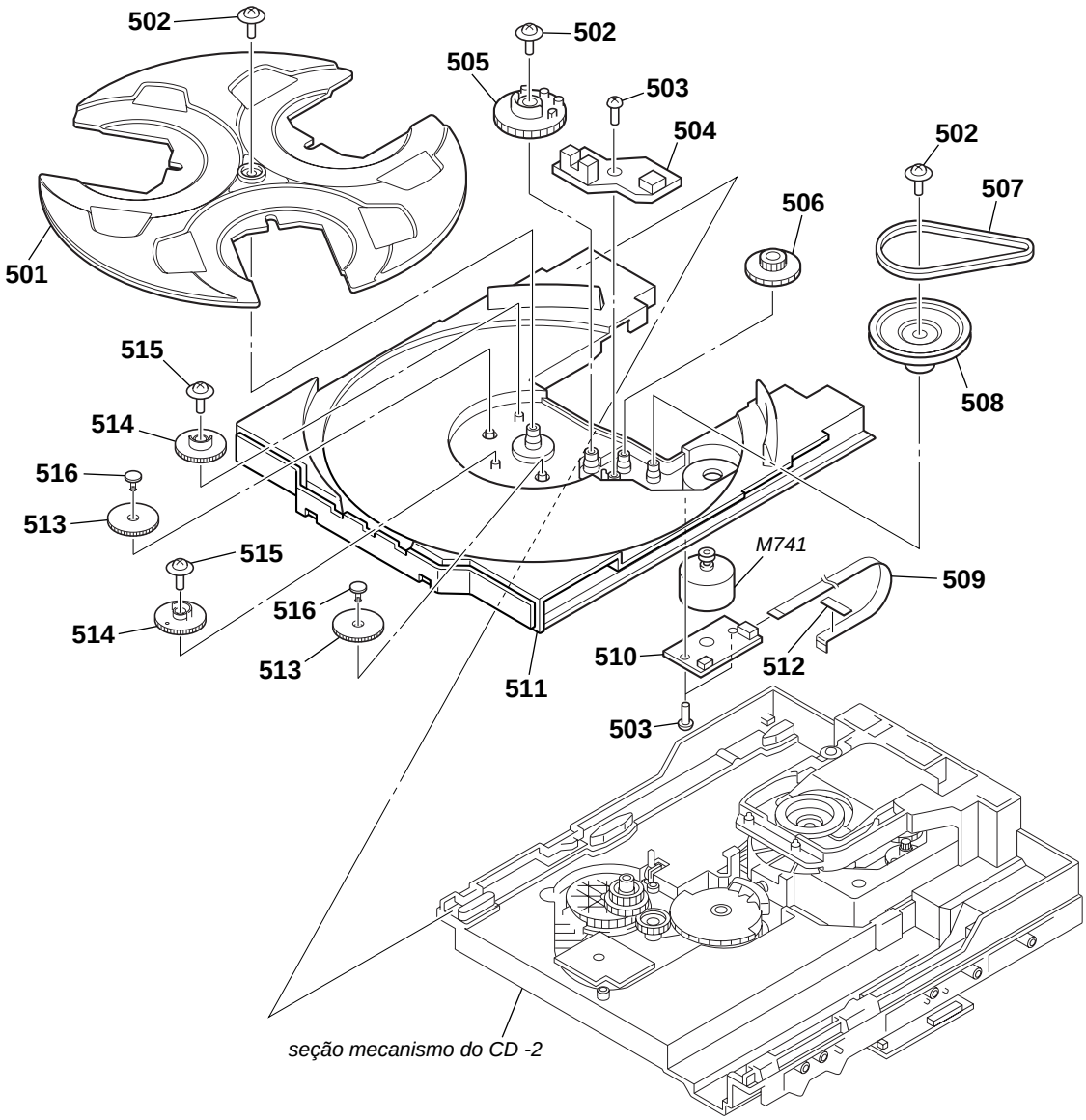


Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual.

Ref. No.	Part No.	Description	Remark
251	Y-8284-058-A	PLACA TRANSFORMADOR MONTADA	
252	4-242-527-01	S-SCREW, ITC+4-8 R	
253	3-703-244-11	BUSHING (2104), CORD	
254	1-693-623-11	SINTONIZADOR	
255	Y-8284-042-A	PLACA PRINCIPAL MONTADA	
256	1-769-943-11	CABO TIPO FLAT (11VIAS)	
257	1-827-222-11	CABO TIPO FLAT (19VIAS)	
258	4-242-539-01	BVIT3B+3-8R W/O SLOT	

Ref. No.	Part No.	Description	Remark
⚠259	1-757-813-13	CABO DE FORÇA	
⚠PT002	1-439-945-11	SUB TRANSFORMADOR	
⚠PT004	1-439-913-11	TRANSFORMADOR DE FORÇA	
260	1-400-285-11	F-BEAD, E2515MRT	
261	4-245-162-61	TAMPA TRASEIRA	
262	4-245-163-32	CHASSI	
263	4-245-169-02	DISSIPADOR	
264	4-245-751-01	DISSIPADOR (FET)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-685-872-09	SCREW +BVTT 3X8 (S)	

7-7. SEÇÃO MECANISMO DO CD -1
CDM74-K6BD71B

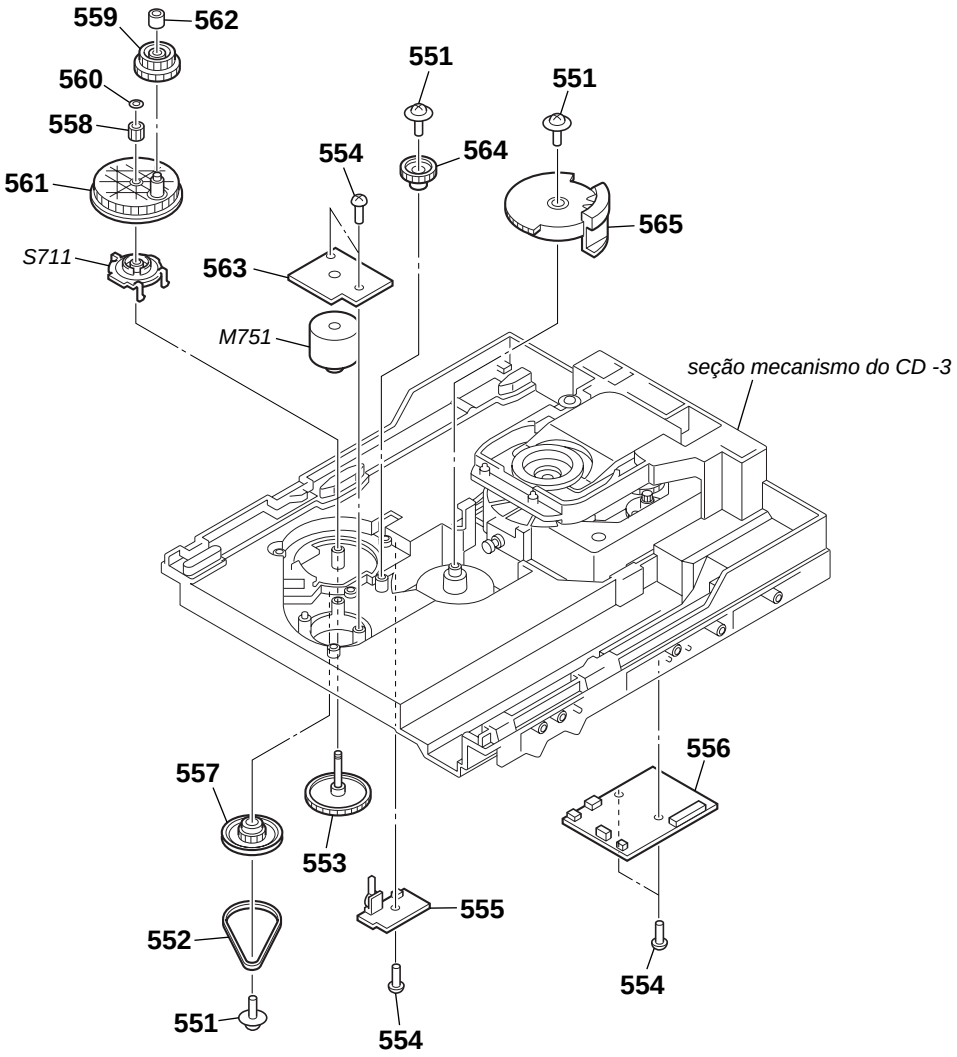


seção mecanismo do CD -2

Ref. No.	Part No.	Description	Remark
501	4-243-815-01	DISCO (LOADING)	
502	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
503	4-218-253-21	SCREW (M2.6), +BTTP	
504	1-687-132-11	SENSOR BOARD	
505	4-243-819-01	GEAR (GENEVA)	
506	4-243-820-01	GEAR (TABLE)	
507	4-243-823-01	BELT (TABLE)	
508	4-243-821-01	PULLEY (TABLE)	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	

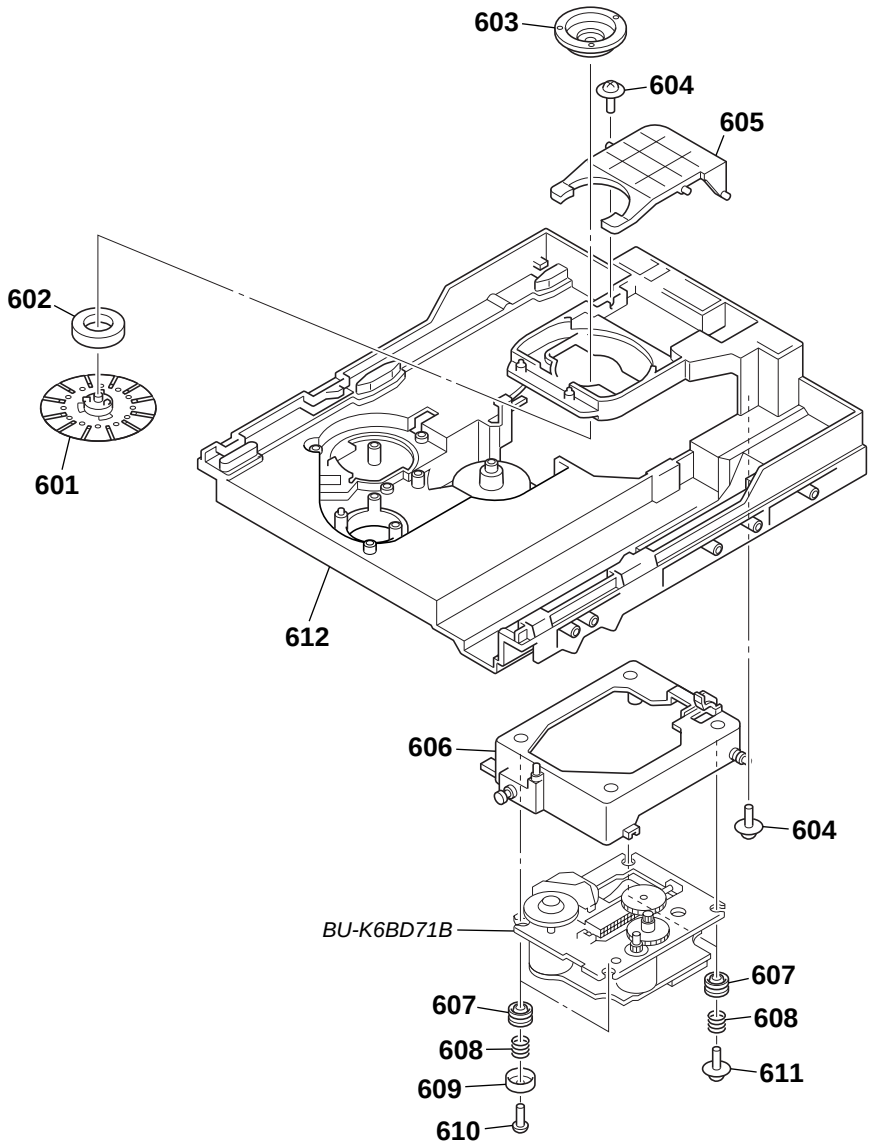
Ref. No.	Part No.	Description	Remark
510	1-687-134-11	MOTOR (TB) BOARD	
511	4-243-816-01	BANDEJA	
512	3-321-598-01	SHEET (BA)	
513	4-245-570-01	GEAR (JOINT)	
514	4-245-571-01	GEAR (STOPPER)	
515	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
516	4-245-572-01	BUSHING (GEAR)	
M741	A-4723-963-A	MOTOR ASSY, TABLE	

7-8. SEÇÃO MECANISMO DO CD-2
CDM74-K6BD71B



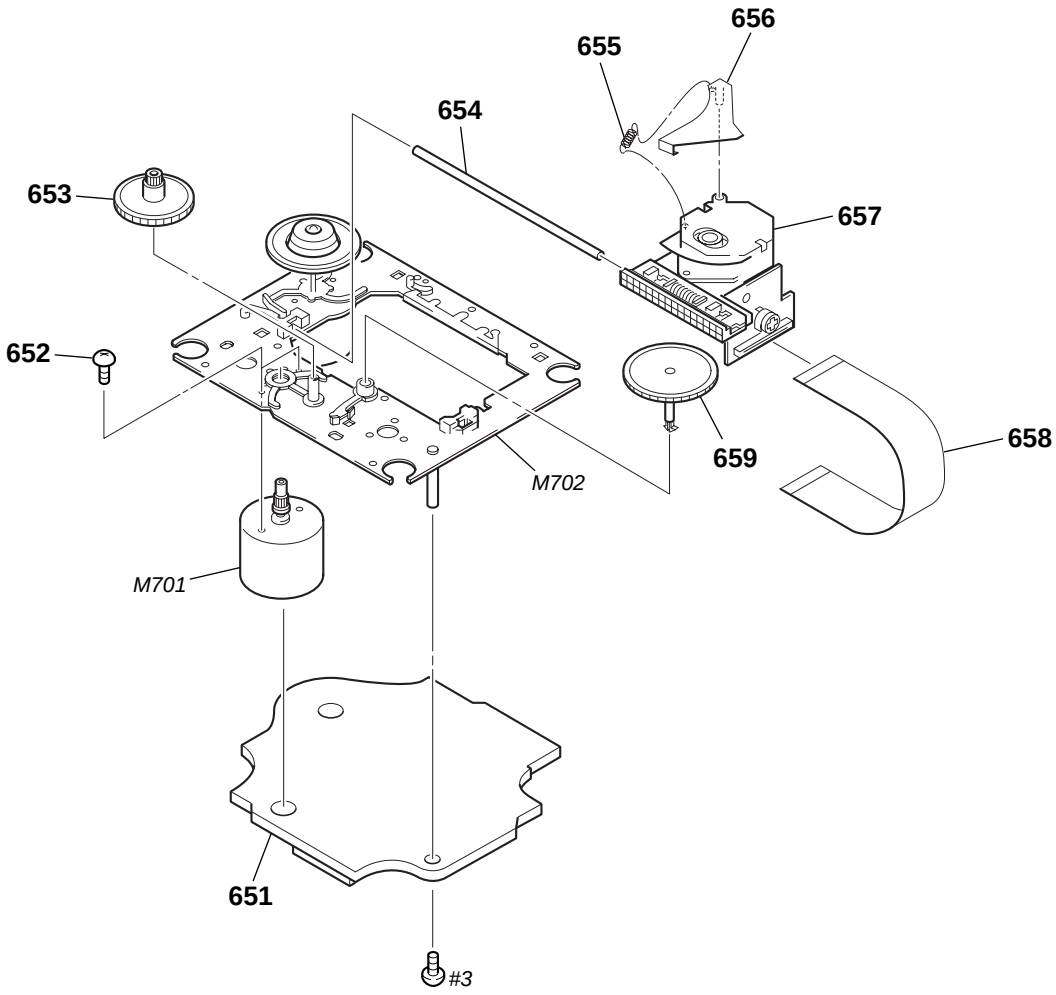
Ref. No.	Part No.	Description	Remark
551	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
552	4-244-034-01	CORREIA (CARREGAMENTO)	
553	4-224-613-01	GEAR (SHAFT)	
554	4-218-253-31	SCREW (M2.6), +BTTP	
555	1-687-669-11	SW BOARD	
556	Y-8284-010-A	PLACA CD MONTADA	
557	4-225-844-01	GEAR (LOADING A)	
558	4-224-611-01	GEAR (LOADING B)	
559	4-224-609-01	GEAR (LOADING C)	
560	3-016-533-11	WASHER (FR), STOPPER	
561	4-244-108-01	GEAR, SWING	
562	4-224-608-01	COLLAR, SWING	
563	1-687-133-11	MOTOR (LD) BOARD	
564	4-224-606-01	GEAR (RV)	
565	4-243-818-01	GEAR (U/D)	
M751	A-4736-655-A	MOTOR ASSY, LOADING	
S711	1-477-680-11	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	

7-9. SEÇÃO MECANISMO DO CD-3
CDM74-K6BD71B



Ref. No.	Part No.	Description	Remark
601	X-4955-707-1	PULLEY (A5) ASSY, CHUCKING	
602	1-471-035-11	MAGNET ASSY	
603	4-221-688-01	PULLEY (B), CHUCKING	
604	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
605	4-243-822-01	LEVER (LIFTER)	
606	X-4955-536-1	HOLDER (213) ASSY	
607	4-227-549-11	INSULATOR	
608	4-227-045-31	SPRING (INSULATOR), COIL	
609	4-231-151-01	STOPPER (BU)	
610	4-218-253-31	SCREW (M2.6), +BTTP	
611	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
612	4-243-817-01	CHASSIS	

7-10. SEÇÃO UNIDADE DE BASE
BU-K6BD71B



Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual.

Ref. No.	Part No.	Description	Remark
651	Y-8284-024-A	PLACA BD MONTADA	
652	3-713-786-51	SCREW +P 2X3	
653	2-627-003-01	GEAR (B) (RP)	
654	2-626-908-51	SHAFT, SLED	
655	2-646-702-01	SPRING, EXTENSION	
656	2-646-697-02	SHUTTER (F), LENS	
⚠657	8-820-020-11	UNIDADE ÓTICA KSS-213D/Z-RP	
658	1-792-024-11	CABO TIPO FLAT (16 VIAS)	
659	2-625-188-02	GEAR (A)	
M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
M702	X-2161-802-1	CHASSIS ASSY (DCP), T. T (SPINDLE)	
#3	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	

SEÇÃO 8
LISTA DE PEÇAS ELÉTRICAS

BD

NOTAS:

- Devido a padronização algumas peças dessa lista podem ser diferentes daquelas especificadas nos diagramas ou mesmo daquelas usadas no aparelho.
- -XX e -X indicam peça padrão, que podem apresentar diferenças daquelas originalmente usadas no aparelho.
- RESISTORES
  Todos os resistores estão em ohms.
  METAL: resistor de metal-film
  METAL OXIDE: resistor de Metal Oxide-film
  F: antichama
- Itens com a marca "*" não são mantidos em estoque por serem raramente solicitados. Evite atrasos antecipando os pedidos para estes itens.
- SEMICONDUCTORES
  Em cada caso, u: µ, por exemplo:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente especificadas nesse manual.

Quando solicitar peças pelo código, por favor inclua também o nome da placa.

Ref. No.	Part No.	Description			Remark
	Y-8284-024-A	PLACA BD MONTADA			
		**********			
		< CAPACITOR >			
C701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C702	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C704	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C705	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C707	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C708	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C709	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C710	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C712	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C715	1-126-401-21	ELECT CHIP	1uF	20%	50V
C716	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C717	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C718	1-115-156-11	CERAMIC CHIP	1uF		10V
C719	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C720	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C721	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C722	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C723	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C729	1-128-360-11	ELECT CHIP	220uF	20%	10V
C731	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C732	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C733	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C734	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C735	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C741	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C742	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C743	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C744	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C746	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C747	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C748	1-128-360-11	ELECT CHIP	220uF	20%	10V
C753	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C754	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C756	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C804	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C805	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C806	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C807	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C810	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C811	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C812	1-115-156-11	CERAMIC CHIP	1uF		10V
C813	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C814	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C815	1-128-360-11	ELECT CHIP	220uF	20%	10V
C816	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C817	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C823	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C824	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C825	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C829	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C830	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C831	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C834	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C835	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C837	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C843	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C844	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C856	1-115-156-11	CERAMIC CHIP	1uF		10V
C857	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C858	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C859	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C860	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN708	1-817-244-11	CONNECTOR, FFC 16P			
CN710	1-778-874-11	CONNECTOR, FFC (LIF (NON-ZIF)) 19P			
		< FERRITE BEAD >			
FB701	1-550-907-21	FERRITE	0uH		
FB707	1-550-907-21	FERRITE	0uH		
FB708	1-550-907-21	FERRITE	0uH		
FB801	1-550-907-21	FERRITE	0uH		
FB802	1-550-907-21	FERRITE	0uH		
FB803	1-550-907-21	FERRITE	0uH		
FB804	1-550-907-21	FERRITE	0uH		
FB805	1-550-907-21	FERRITE	0uH		

BD

Ref. No.	Part No.	Description			Remark
FB806	1-550-907-21	FERRITE	0uH		
FB807	1-550-907-21	FERRITE	0uH		
FB808	1-550-907-21	FERRITE	0uH		
		< IC >			
IC721	6-701-796-01	IC LC78646E-E			
IC722	6-704-220-01	IC BA5836FP			
IC801	6-704-008-01	IC LC78684E-E			
IC802	6-704-009-01	IC LC32V4265CT-25-MPB-E			
IC803	6-704-007-01	IC MM1571J			
		< TRANSISTOR >			
Q701	8-729-054-51	TRANSISTOR	UP04116008S0		
		< RESISTOR >			
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W
R702	1-216-835-11	METAL CHIP	15K	5%	1/10W
R703	1-216-835-11	METAL CHIP	15K	5%	1/10W
R704	1-216-835-11	METAL CHIP	15K	5%	1/10W
R705	1-216-835-11	METAL CHIP	15K	5%	1/10W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-838-11	METAL CHIP	27K	5%	1/10W
R711	1-216-815-11	METAL CHIP	330	5%	1/10W
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R717	1-216-809-11	METAL CHIP	100	5%	1/10W
R718	1-216-809-11	METAL CHIP	100	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-809-11	METAL CHIP	100	5%	1/10W
R722	1-216-821-11	METAL CHIP	1K	5%	1/10W
R725	1-216-819-11	METAL CHIP	680	5%	1/10W
R726	1-216-819-11	METAL CHIP	680	5%	1/10W
R727	1-216-809-11	METAL CHIP	100	5%	1/10W
R728	1-216-841-11	METAL CHIP	47K	5%	1/10W
R729	1-216-834-11	METAL CHIP	12K	5%	1/10W
R730	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-216-864-11	METAL CHIP	0	5%	1/10W
R738	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R739	1-216-864-11	METAL CHIP	0	5%	1/10W
R740	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R741	1-216-864-11	METAL CHIP	0	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R745	1-216-809-11	METAL CHIP	100	5%	1/10W
R746	1-216-803-11	METAL CHIP	33	5%	1/10W
R747	1-216-803-11	METAL CHIP	33	5%	1/10W
R760	1-216-809-11	METAL CHIP	100	5%	1/10W
R765	1-216-857-11	METAL CHIP	1M	5%	1/10W
R801	1-216-809-11	METAL CHIP	100	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W
R803	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W
R805	1-216-809-11	METAL CHIP	100	5%	1/10W
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R817	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R818	1-216-811-11	METAL CHIP	150	5%	1/10W
R819	1-216-821-11	METAL CHIP	1K	5%	1/10W
R820	1-216-821-11	METAL CHIP	1K	5%	1/10W
R823	1-216-809-11	METAL CHIP	100	5%	1/10W
R824	1-216-809-11	METAL CHIP	100	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/10W
R826	1-216-809-11	METAL CHIP	100	5%	1/10W
R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R829	1-216-809-11	METAL CHIP	100	5%	1/10W
R832	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R833	1-216-809-11	METAL CHIP	100	5%	1/10W
R834	1-216-809-11	METAL CHIP	100	5%	1/10W
R860	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S701	1-771-853-11	SWITCH, DETECTION (LIMIT IN)			
		< VIBRATOR >			
X701	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)			

****

CD KEY | DRIVER

Ref. No.	Part No.	Description	Remark

Ref. No.	Part No.	Description			Remark
**********					
	1-688-379-11	CD KEY BOARD			
		**********			
		< CONNECTOR >			
CN302	1-784-766-11	CONNECTOR, FFC 5P			
		< RESISTOR >			
R326	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R327	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R328	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R329	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
		< SWITCH >			
S319	1-762-875-21	SWITCH, KEYBOARD (OPEN/CLOSE ⏏)			
S320	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 3)			
S321	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 2)			
S322	1-762-875-21	SWITCH, KEYBOARD (DISC DIRECT PLAY 1)			
S323	1-762-875-21	SWITCH, KEYBOARD (DISC CHANGE)			
**********					
	Y-8284-010-A	PLACA CD			
		**********			
		< CAPACITOR >			
C715	1-126-933-11	ELECT	100uF	20%	16V
C731	1-126-964-11	ELECT	10uF	20%	50V
C735	1-164-159-21	CERAMIC	0.1uF		50V
C736	1-164-159-21	CERAMIC	0.1uF		50V
C737	1-164-159-21	CERAMIC	0.1uF		50V
C741	1-162-306-11	CERAMIC	0.01uF	20%	16V
C751	1-162-306-11	CERAMIC	0.01uF	20%	16V
C752	1-164-159-21	CERAMIC	0.1uF		50V

DRIVER HEADPHONE KEY

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CN701	1-785-338-11	PIN, CONNECTOR (LIGHT ANGLE) 12P			
CN702	1-784-766-11	CONNECTOR, FFC 5P			
* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGRE) 2P			
		< DIODE >			
D701	8-719-923-33	DIODE MTZJ-T-77-5.1A			
D711	8-719-983-13	DIODE MTZJ-T-77-3.6B			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
IC712	8-759-598-69	IC BA6956AN			
		< TRANSISTOR >			
Q731	8-729-029-67	TRANSISTOR	DTC114ESA-TP		
		< RESISTOR >			
R701	1-249-413-11	CARBON	470	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-425-11	CARBON	4.7K	5%	1/4W
R713	1-249-433-11	CARBON	22K	5%	1/4W
R721	1-249-425-11	CARBON	4.7K	5%	1/4W
R722	1-249-425-11	CARBON	4.7K	5%	1/4W
R723	1-249-425-11	CARBON	4.7K	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-247-855-91	CARBON	10K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-247-857-91	CARBON	12K	5%	1/4W
R735	1-247-807-31	CARBON	100	5%	1/4W
R751	1-249-425-11	CARBON	4.7K	5%	1/4W
**********					
	1-688-400-11	PLACA FONE DE OUVIDO			
		**********			
		< CAPACITOR >			
C250	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
		< JACK >			
J221	1-785-448-21	JACK (PHONES)			
		< RESISTOR >			
R221	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R222	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R223	1-260-090-61	CARBON	180	5%	1/2W
R224	1-260-090-61	CARBON	180	5%	1/2W

Ref. No.	Part No.	Description			Remark
R225	1-260-090-61	CARBON	180	5%	1/2W
R226	1-260-089-11	CARBON	150	5%	1/2W
		< CONNECTOR >			
WH230	1-816-818-11	HLDR, WIRE 2.5-5P			
**********					
	Y-8284-046-A	PLACA CHAVE MONTADA			
		**********			
		< CAPACITOR >			
C402	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C403	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C404	1-126-957-11	ELECT	0.22uF	20%	50V
C405	1-126-960-11	ELECT	1uF	20%	50V
C406	1-126-934-11	ELECT	220uF	20%	10V
C407	1-162-926-11	CERAMIC CHIP	82PF	5%	50V
C408	1-126-956-11	ELECT	0.1uF	20%	50V
C409	1-126-934-91	ELECT	220uF ,	20%	50V
C410	1-126-965-11	ELECT	22uF	20%	50V
C411	1-164-473-11	CERAMIC CHIP	820PF	5%	50V
C412	1-126-960-11	ELECT	1uF	20%	50V
C416	1-126-956-11	ELECT	0.1uF	20%	50V
C419	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C441	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C801	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C802	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C803	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C804	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C805	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C806	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C807	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C808	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN301	1-784-766-11	CONNECTOR, FFC 5P			
CN303	1-784-784-11	CONNECTOR, FFC 23P			
		< DIODE >			
D401	8-719-991-33	DIODE 1SS133T-72			

KEY

Ref. No.	Part No.	Description			Remark
		< FERRITE BEAD >			
FB401	1-410-396-61	FERRITE	0.45uH (E51, MX)		
		< IC >			
IC401	8-759-247-71	IC NJM4565M (TE2)			
		< JACK >			
J401	1-816-860-11	JACK, 6.3 BLK MONO W/SW V MSC (MIC)			
		< SHORT >			
JR403	1-216-864-11	METAL CHIP	0	5%	1/10W
JR404	1-216-864-11	METAL CHIP	0	5%	1/10W
JR804	1-216-864-11	METAL CHIP	0	5%	1/10W
		< LED >			
LED201	8-719-053-43	LED SLR-325VCT31 (i-BASS)			
LED901	6-500-641-01	LED SLI-325URC (⏻ STANDBY/ON)			
		< TRANSISTOR >			
Q401	8-729-045-62	FET	2SK2158-T2B		
		< RESISTOR >			
R231	1-216-198-00	RES-CHIP	1K	5%	1/8W
R301	1-216-864-11	METAL CHIP	0	5%	1/10W
R302	1-216-821-11	METAL CHIP	1K	5%	1/10W
R303	1-216-820-11	METAL CHIP	820	5%	1/10W
R304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R305	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R306	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R311	1-216-864-11	METAL CHIP	0	5%	1/10W
R312	1-216-821-11	METAL CHIP	1K	5%	1/10W
R313	1-216-820-11	METAL CHIP	820	5%	1/10W
R314	1-216-821-11	METAL CHIP	1K	5%	1/10W
R315	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R316	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R317	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R318	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R321	1-216-864-11	METAL CHIP	0	5%	1/10W
R322	1-216-821-11	METAL CHIP	1K	5%	1/10W
R323	1-216-820-11	METAL CHIP	820	5%	1/10W
R324	1-216-821-11	METAL CHIP	1K	5%	1/10W
R325	1-216-822-11	METAL CHIP	1.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R401	1-216-845-11	METAL CHIP	100K	5%	1/10W
R402	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R403	1-216-849-11	METAL CHIP	220K	5%	1/10W
R404	1-216-831-91	METAL CHIP	6.8K	5%	1/16W
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R406	1-216-850-11	METAL CHIP	270K	5%	1/10W
R407	1-216-825-91	METAL CHIP	2.2K	5%	1/16W
R408	1-216-809-11	METAL CHIP	100	5%	1/10W
R409	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R410	1-216-825-91	METAL CHIP	2.2K	5%	1/16W
R411	1-216-825-91	METAL CHIP	2.2K	5%	1/16W
R412	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R413	1-216-839-11	METAL CHIP	33K	5%	1/10W
R414	1-216-797-11	METAL CHIP	10	5%	1/10W
R432	1-216-833-91	METAL CHIP	10K	5%	1/16W
R801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R802	1-216-833-11	METAL CHIP	10K	5%	1/10W
R803	1-216-797-11	METAL CHIP	10	5%	1/10W
R804	1-216-797-11	METAL CHIP	10	5%	1/10W
R805	1-216-833-11	METAL CHIP	10K	5%	1/10W
R806	1-216-833-11	METAL CHIP	10K	5%	1/10W
R807	1-216-797-11	METAL CHIP	10	5%	1/10W
R808	1-216-797-11	METAL CHIP	10	5%	1/10W
R809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R810	1-216-833-11	METAL CHIP	10K	5%	1/10W
R811	1-216-797-11	METAL CHIP	10	5%	1/10W
R812	1-216-797-11	METAL CHIP	10	5%	1/10W
R813	1-216-833-11	METAL CHIP	10K	5%	1/10W
R814	1-216-833-11	METAL CHIP	10K	5%	1/10W
R815	1-216-797-11	METAL CHIP	10	5%	1/10W
R816	1-216-797-11	METAL CHIP	10	5%	1/10W
		< SWITCH >			
S301	1-762-875-21	SWITCH, KEYBOARD (PLAY/PRESET ►)			
S302	1-762-875-21	SWITCH, KEYBOARD (STOP/CLEAR ■)			
S303	1-762-875-21	SWITCH, KEYBOARD (TUNING DOWN, ◄◄)			
S304	1-762-875-21	SWITCH, KEYBOARD (PAUSE/SET ❚❚)			
S305	1-762-875-21	SWITCH, KEYBOARD (TUNING UP, ►►)			
S306	1-762-875-21	SWITCH, KEYBOARD (i-BASS)			
S307	1-762-875-21	SWITCH, KEYBOARD (MODE)			
S308	1-762-875-21	SWITCH, KEYBOARD (ENTER)			
S309	1-762-875-21	SWITCH, KEYBOARD (CD)			
S310	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)			
S311	1-762-875-21	SWITCH, KEYBOARD (TUNER BAND)			
S312	1-762-875-21	SWITCH, KEYBOARD (VIDEO/AUX)			

KEY MAIN

Ref. No.	Part No.	Description			Remark
S313	1-762-875-21	SWITCH, KEYBOARD (● REC/REC MUTING)			
S314	1-762-875-21	SWITCH, KEYBOARD (SYNC DUB)			
S315	1-762-875-21	SWITCH, KEYBOARD (POWER)			
S316	1-762-875-21	SWITCH, KEYBOARD (EXCEPT US)			
S317	1-762-875-21	SWITCH, KEYBOARD (RT) (AEP, UK)			
S318	1-762-875-21	SWITCH, KEYBOARD (PTY) (AEP, UK)			
S801	1-786-396-11	SW, RTRY EC12E24604-30MM (VOLUME)			
S802	1-786-396-11	SW, RTRY EC12E24604-30MM (i-BASS)			
S803	1-477-824-11	ENCODER, ROTARY (TREBLE)			
S804	1-786-418-11	SW, RTRY RE0123PVB30F (MULTI JOG)			
		< VARIABLE RESISTOR >			
VR401	1-227-502-11	RES, VAR, CARBON 10K (MIC LEVEL)			
**********					
	Y-8284-042-A	PLACA PRINCIPAL MONTADA			
		**********			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S			
		< CAPACITOR >			
C003	1-127-812-11	ELECT	3300uF	20%	50V
C004	1-127-812-11	ELECT	3300uF	20%	50V
C005	1-126-955-51	ELECT	4700uF	20%	35V
C006	1-126-955-51	ELECT	4700uF	20%	35V
C007	1-126-944-51	ELECT	3300uF	20%	25V
C008	1-126-942-61	ELECT	1000uF	20%	25V
C011	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C012	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C013	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C014	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C015	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C016	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C017	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C018	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C022	1-126-933-11	ELECT	100uF	20%	16V
C023	1-126-948-11	ELECT	100uF	20%	35V
C026	1-126-947-11	ELECT	47uF	20%	25V
C029	1-126-947-11	ELECT	47uF	20%	10V
C030	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C031	1-126-947-11	ELECT	47uF	20%	25V
C032	1-104-663-11	ELECT	33uF	20%	25V
C033	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C034	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C041	1-126-964-11	ELECT	10uF	20%	50V
C042	1-126-946-11	ELECT	10uF	20%	35V
C043	1-126-964-11	ELECT	10uF	20%	50V
C044	1-126-946-11	ELECT	10uF	20%	35V
C045	1-126-968-11	ELECT	100uF	20%	50V
C046	1-126-968-11	ELECT	100uF	20%	50V
C047	1-104-665-11	ELECT	100uF	20%	10V
C061	1-126-947-11	ELECT	47uF	20%	25V
C062	1-126-960-11	ELECT	1uF	20%	50V
C063	1-126-960-11	ELECT	1uF	20%	50V
C097	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C103	1-163-275-91	CERAMIC CHIP	0.001uF	10%	50V
C104	1-163-275-91	CERAMIC CHIP	0.001uF	10%	50V
C105	1-126-961-11	ELECT	2.2uF	20%	50V
C106	1-126-961-11	ELECT	2.2uF	20%	50V
C109	1-126-964-11	ELECT	10uF	20%	50V
C110	1-126-964-11	ELECT	10uF	20%	50V
C113	1-126-966-11	ELECT	33uF	20%	50V
C114	1-126-966-11	ELECT	33uF	20%	50V
C115	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C116	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C117	1-100-152-11	CERAMIC CHIP	100PF	5%	100V
C118	1-100-152-11	CERAMIC CHIP	100PF	5%	100V
C119	1-100-152-11	CERAMIC CHIP	100PF	5%	100V
C120	1-100-152-11	CERAMIC CHIP	100PF	5%	100V
C121	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C122	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C125	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C126	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C181	1-126-960-11	ELECT	1uF	20%	50V
C182	1-126-960-11	ELECT	1uF	20%	50V
C201	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C202	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C203	1-165-621-11	CERAMIC CHIP	0.1uF		50V
C204	1-165-621-11	CERAMIC CHIP	0.1uF		50V

MAIN

Ref. No.	Part No.	Description			Remark
C231	1-119-850-11	ELECT	10uF	20%	63V
C232	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C241	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C281	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C282	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C301	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C302	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C303	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C304	1-164-647-11	CERAMIC CHIP	0.0012uF	10%	50V
C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C311	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C312	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C313	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C314	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C315	1-130-487-00	MYLAR	0.022uF	5%	50V
C316	1-130-485-00	MYLAR	0.015uF	5%	50V
C317	1-130-485-00	MYLAR	0.015uF	5%	50V
C318	1-130-479-00	MYLAR	0.0047uF	5%	50V
C319	1-126-964-11	ELECT	10uF	20%	50V
C320	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C321	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C322	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C601	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C602	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C603	1-104-665-11	ELECT	100uF	20%	10V
C604	1-104-665-11	ELECT	100uF	20%	10V
C605	1-130-481-00	MYLAR	0.0068uF	5%	50V
C606	1-130-481-00	MYLAR	0.0068uF	5%	50V
C607	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C608	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C609	1-126-960-11	ELECT	1uF	20%	50V
C610	1-126-960-11	ELECT	1uF	20%	50V
C611	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C612	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C613	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C614	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C621	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C622	1-164-218-11	CERAMIC CHIP	180PF	0.25PF	50V
C623	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V
C624	1-164-479-11	CERAMIC CHIP	0.0056uF	10%	50V
C625	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C626	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C641	1-126-957-11	ELECT	0.22uF	20%	50V
C642	1-126-957-11	ELECT	0.22uF	20%	50V
C643	1-126-957-11	ELECT	0.22uF	20%	50V
C644	1-126-957-11	ELECT	0.22uF	20%	50V
C645	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C646	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C647	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C649	1-126-963-11	ELECT	4.7uF	20%	50V
C651	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C652	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C653	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C654	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C655	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C661	1-126-934-11	ELECT	220uF	20%	10V
C662	1-126-947-11	ELECT	47uF	20%	25V
C663	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C664	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C671	1-126-959-11	ELECT	0.47uF	20%	50V
C672	1-126-959-11	ELECT	0.47uF	20%	50V
C673	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C674	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C675	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C676	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C677	1-119-818-31	ELECT	0.33uF	20%	50V
C678	1-119-818-31	ELECT	0.33uF	20%	50V
C679	1-126-934-11	ELECT	220uF	20%	10V
C680	1-130-499-00	MYLAR	0.22uF	5%	50V
C681	1-130-499-00	MYLAR	0.22uF	5%	50V
C682	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C683	1-126-941-11	ELECT	470uF	20%	25V
C684	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C687	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C688	1-126-964-11	ELECT	10uF	20%	50V
C693	1-126-960-11	ELECT	1uF	20%	50V
C694	1-126-960-11	ELECT	1uF	20%	50V
C695	1-126-935-11	ELECT	470uF	20%	10V
C730	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C731	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C732	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C764	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C765	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C766	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C767	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V

< CONNECTOR >

Ref. No.	Part No.	Description
* CN301	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P
* CN302	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P
CN601	1-793-766-11	CONNECTOR, BOARD TO BOARD 30P
CN691	1-784-780-11	CONNECTOR, FFC 19P
CN694	1-568-830-11	CONNECTOR, FFC 11P
CN801	1-568-830-11	CONNECTOR, FFC 11P

< DIODE/SHORT >

Ref. No.	Part No.	Description
D009	8-719-081-52	DIODE D5SBA20-4003
D010	8-719-500-56	DIODE D3SBA20

MAIN

Ref. No.	Part No.	Description	Remark
D019	8-719-048-61	DIODE EGP20DL-6349	
D020	8-719-048-61	DIODE EGP20DL-6349	
D021	8-719-048-61	DIODE EGP20DL-6349	
D022	8-719-048-61	DIODE EGP20DL-6349	
D031	8-719-991-34	DIODE 1SS133T-72	
D032	8-719-988-61	DIODE 1SS355TE-17	
D033	8-719-988-61	DIODE 1SS355TE-17	
D041	6-500-522-21	DIODE 10EDB40-TB3	
D042	6-500-522-21	DIODE 10EDB40-TB3	
D043	6-500-522-21	DIODE 10EDB40-TB3	
D044	6-500-522-21	DIODE 10EDB40-TB3	
D045	8-719-083-87	DIODE UDZS-TE17-33B	
D063	8-719-820-05	DIODE 1SS181-TE85L	
D064	8-719-801-78	DIODE 1SS184-TE85L	
D065	8-719-988-61	DIODE 1SS355TE-17	
D066	8-719-988-61	DIODE 1SS355TE-17	
D067	8-719-801-78	DIODE 1SS184-TE85L	
D068	8-719-820-05	DIODE 1SS181-TE85L	
D069	8-719-988-61	DIODE 1SS355TE-17	
D101	8-719-820-05	DIODE 1SS181-TE85L	
D103	8-719-988-61	DIODE 1SS355TE-17	
D104	8-719-988-61	DIODE 1SS355TE-17	
D105	8-719-820-05	DIODE 1SS181-TE85L	
D106	8-719-820-05	DIODE 1SS181-TE85L	
D107	8-719-801-78	DIODE 1SS184-TE85L	
D108	8-719-801-78	DIODE 1SS184-TE85L	
D109	8-719-073-86	DIODE AU-01Z-WS	
D110	8-719-073-86	DIODE AU-01Z-WS	
D111	8-719-801-78	DIODE 1SS184-TE85L	
D231	8-719-988-61	DIODE 1SS355TE-17	
D232	8-719-977-28	DIODE UDZSTE-1710B	
D235	8-719-059-21	DIODE RK46LF-T2	
D236	8-719-059-21	DIODE RK46LF-T2	
D239	8-719-069-55	DIODE UDZSTE-175.6B	
D240	8-719-069-55	DIODE UDZSTE-175.6B	
D241	8-719-988-61	DIODE 1SS355TE-17	
D242	1-216-295-00	SHORT CHIP 0	
D243	8-719-801-78	DIODE 1SS184-TE85L	
D244	8-719-820-05	DIODE 1SS181-TE85L	
D281	8-719-801-78	DIODE 1SS184-TE85L	
D291	8-719-820-05	DIODE 1SS181-TE85L	
D292	8-719-801-78	DIODE 1SS184-TE85L	
D301	8-719-820-05	DIODE 1SS181-TE85L	
D661	8-719-083-60	DIODE UDZSTE-174.7B	
D662	8-719-083-60	DIODE UDZSTE-174.7B	
D663	8-719-988-61	DIODE 1SS355TE-17	
D671	8-719-988-61	DIODE 1SS355TE-17	
D691	6-500-522-21	DIODE 10EDB40-TB3	
D692	6-500-522-21	DIODE 10EDB40-TB3	
D693	6-500-522-21	DIODE 10EDB40-TB3	
D694	6-500-522-21	DIODE 10EDB40-TB3	
D695	8-719-988-61	DIODE 1SS355TE-17	
D697	6-500-522-21	DIODE 10EDB40-TB3	
D698	8-719-991-34	DIODE 1SS133T-34	

Ref. No.	Part No.	Description	Remark
		< GROUND TERMINAL >	
* EP001	1-537-738-21	TERMINAL, EARTH	
* EP099	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD/SHORT >	
FB601	1-216-295-00	SHORT CHIP 0	
FB602	1-216-295-00	SHORT CHIP 0	
FB693	1-410-396-71	FERRITE 0.45uH	
		< IC >	
IC001	8-759-400-67	IC AN7809	
IC002	8-759-400-67	IC AN7809	
IC003	6-701-760-01	IC uPC3504AHF	
IC601	6-702-895-01	IC BD3881FV	
IC671	6-704-074-01	IC NJM2156M (TE2)	
IC672	8-759-396-78	IC BU2092F-E2	
		< JACK >	
J203	1-694-635-12	TERMINAL BOARD (4P) (SPEAKER)	
J602	1-793-987-11	JACK, PIN 2P (VIDEO/AUX)	
		< SHORT >	
JR001	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR201	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR202	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR203	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR204	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR602	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR603	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR604	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR605	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR606	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR607	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR608	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR612	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR615	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR616	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR618	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR619	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR620	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR701	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR621	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR622	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR651	1-216-296-11	SHORT CHIP 0	
JR801	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR625	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR702	1-216-864-11	METAL CHIP 0 5% 1/10W	
		< COIL >	
L201	1-420-872-52	COIL, AIR-CORE	
L202	1-420-872-52	COIL, AIR-CORE	
L311	1-424-849-11	COIL, OSCILLATION (BIAS)	

MAIN

Ref. No.	Part No.	Description		Remark
		< TRANSISTOR >		
Q022	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q023	8-729-201-53	TRANSISTOR	2SA1015TP-GR	
Q024	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q041	8-729-201-53	TRANSISTOR	2SA1015TP-GR	
Q043	8-729-201-53	TRANSISTOR	2SA1015TP-GR	
Q045	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q046	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q047	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q063	6-550-289-01	TRANSISTOR	2SA1235F	
Q064	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q101	8-729-200-90	TRANSISTOR	2SA1163G-TE85L	
Q102	8-729-200-90	TRANSISTOR	2SA1163G-TE85L	
Q103	8-729-200-90	TRANSISTOR	2SA1163G-TE85L	
Q104	8-729-200-90	TRANSISTOR	2SA1163G-TE85L	
Q105	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q106	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q107	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q108	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q109	8-729-271-31	TRANSISTOR	2SC2713G-TE85L	
Q110	8-729-271-31	TRANSISTOR	2SC2713G-TE85L	
Q111	8-729-823-99	TRANSISTOR	2SC2909-AA	
Q112	8-729-823-99	TRANSISTOR	2SC2909-AA	
Q117	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q118	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q119	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q120	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q121	6-550-309-01	TRANSISTOR	2SB1686	
Q122	6-550-309-01	TRANSISTOR	2SB1686	
Q123	6-550-311-01	TRANSISTOR	2SD2642	
Q124	6-550-311-01	TRANSISTOR	2SD2642	
Q129	8-729-216-31	TRANSISTOR	2SA1163G-TE85L	
Q130	8-729-216-31	TRANSISTOR	2SA1163G-TE85L	
Q181	8-729-052-79	TRANSISTOR	2SD1306NETL	
Q182	8-729-052-79	TRANSISTOR	2SD1306NETL	
Q183	6-550-289-01	TRANSISTOR	2SA1235F	
Q231	6-550-293-01	FET	2SK2937	
Q232	6-550-293-01	FET	2SK2937	
Q233	6-550-289-01	TRANSISTOR	2SA1235F	
Q234	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q235	6-550-289-01	TRANSISTOR	2SA1235F	
Q281	8-729-216-31	TRANSISTOR	2SA1163G-TE85L	
Q282	8-729-271-31	TRANSISTOR	2SC2713G-TE85L	
Q291	8-729-027-23	TRANSISTOR	DTA114EKA-T146	
Q292	8-729-216-31	TRANSISTOR	2SA1163G-TE85L	
Q301	6-550-290-01	FET	2SJ460	
Q302	6-550-290-01	FET	2SJ460	
Q303	8-729-048-99	FET	2SK2541-T	
Q304	8-729-048-99	FET	2SK2541-T	
Q305	6-550-290-01	FET	2SJ460	
Q306	6-550-290-01	FET	2SJ460	
Q307	8-729-048-99	FET	2SK2541-T	
Q308	8-729-048-99	FET	2SK2541-T	
Q309	8-729-048-99	FET	2SK2541-T	
Q310	8-729-011-92	TRANSISTOR	2SC2001TP-K1K2	
Q311	8-729-201-53	TRANSISTOR	2SA1015TP-GR	
Q312	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q601	8-729-027-23	TRANSISTOR	DTA114EKA-T146	
Q641	8-729-045-62	FET	2SK2158-T2B	
Q642	8-729-045-62	FET	2SK2158-T2B	
Q643	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF	
Q671	8-729-045-62	FET	2SK2158-T2B	
Q672	8-729-045-62	FET	2SK2158-T2B	
Q673	8-729-045-62	FET	2SK2158-T2B	
Q674	8-729-045-62	FET	2SK2158-T2B	
Q675	8-729-045-62	FET	2SK2158-T2B	
Q676	8-729-045-62	FET	2SK2158-T2B	
Q677	8-729-045-62	FET	2SK2158-T2B	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R001	1-219-397-91	RES-CHIP	1.8	5%	1/8W
R004	1-219-397-91	RES-CHIP	1.8	5%	1/8W
R005	1-219-397-91	RES-CHIP	1.8	5%	1/8W
R008	1-219-397-91	RES-CHIP	1.8	5%	1/8W
R009	1-216-230-91	RES-CHIP	22K	5%	1/8W
R010	1-216-230-91	RES-CHIP	22K	5%	1/8W
R011	1-216-230-91	RES-CHIP	22K	5%	1/8W
R012	1-216-230-91	RES-CHIP	22K	5%	1/8W
R013	1-216-230-91	RES-CHIP	22K	5%	1/8W
R014	1-216-230-91	RES-CHIP	22K	5%	1/8W
R015	1-216-230-91	RES-CHIP	22K	5%	1/8W
R016	1-216-230-91	RES-CHIP	22K	5%	1/8W
⚠R017	1-219-122-81	FUSIBLE	0.33	5%	1/4W
R024	1-216-184-00	RES-CHIP	270	5%	1/8W
R025	1-216-184-00	RES-CHIP	270	5%	1/8W
R026	1-216-188-00	RES-CHIP	390	5%	1/8W
R027	1-216-188-00	RES-CHIP	390	5%	1/8W
R028	1-216-186-00	RES-CHIP	330	5%	1/8W
R029	1-216-188-00	RES-CHIP	390	5%	1/8W
R030	1-216-188-00	RES-CHIP	390	5%	1/8W
R031	1-216-833-11	METAL CHIP	10K	5%	1/10W
R032	1-216-841-11	METAL CHIP	47K	5%	1/10W
R033	1-216-843-11	METAL CHIP	68K	5%	1/10W
R035	1-216-832-11	METAL CHIP	8.2K	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R036	1-216-836-11	METAL CHIP	18K	5%	1/10W
R038	1-216-296-11	SHORT CHIP	0		
R041	1-216-845-11	METAL CHIP	100K	5%	1/10W
R042	1-216-845-11	METAL CHIP	100K	5%	1/10W
R043	1-216-845-11	METAL CHIP	100K	5%	1/10W
R044	1-216-845-11	METAL CHIP	100K	5%	1/10W
R045	1-216-296-11	SHORT CHIP	0		
R046	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R047	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R048	1-216-864-11	METAL CHIP	0	5%	1/10W
R049	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R050	1-216-001-00	METAL CHIP	10	5%	1/10W
R051	1-216-097-11	RES-CHIP	100K	5%	1/10W
R067	1-216-843-91	METAL CHIP	68K	5%	1/10W
R068	1-216-843-91	METAL CHIP	68K	5%	1/10W
R069	1-216-833-91	METAL CHIP	10K	5%	1/10W
R070	1-216-838-11	METAL CHIP	27K	5%	1/10W
R071	1-216-838-11	METAL CHIP	27K	5%	1/10W
R072	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R073	1-216-838-11	METAL CHIP	27K	5%	1/10W
R074	1-216-838-11	METAL CHIP	27K	5%	1/10W
R075	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R076	1-216-821-11	METAL CHIP	1K	5%	1/10W
R077	1-216-821-11	METAL CHIP	1K	5%	1/10W
R078	1-216-834-91	METAL CHIP	12K	5%	1/16W
R079	1-216-834-91	METAL CHIP	12K	5%	1/16W
R080	1-216-845-11	METAL CHIP	100K	5%	1/10W
R082	1-216-840-11	METAL CHIP	39K	5%	1/10W
R083	1-216-840-11	METAL CHIP	39K	5%	1/10W
R084	1-216-843-11	METAL CHIP	68K	5%	1/10W
R085	1-216-843-11	METAL CHIP	68K	5%	1/10W
R086	1-216-833-11	METAL CHIP	10K	5%	1/10W
R087	1-216-833-11	METAL CHIP	10K	5%	1/10W
R092	1-216-809-11	METAL CHIP	100	5%	1/10W
R093	1-216-835-11	METAL CHIP	15K	5%	1/10W
R094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R095	1-216-835-11	METAL CHIP	15K	5%	1/10W
R096	1-216-839-11	METAL CHIP	33K	5%	1/10W
R097	1-216-839-11	METAL CHIP	33K	5%	1/10W
R105	1-216-835-11	METAL CHIP	15K	5%	1/10W
R106	1-216-835-11	METAL CHIP	15K	5%	1/10W
R107	1-216-838-11	METAL CHIP	27K	5%	1/10W
R108	1-216-838-11	METAL CHIP	27K	5%	1/10W
R109	1-216-809-11	METAL CHIP	100	5%	1/10W
R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R113	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R114	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R115	1-216-083-00	METAL CHIP	27K	5%	1/10W
R116	1-216-083-00	METAL CHIP	27K	5%	1/10W
R117	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R118	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R119	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R120	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R121	1-216-198-00	RES-CHIP	1K	5%	1/8W
R122	1-216-198-00	RES-CHIP	1K	5%	1/8W
R123	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R124	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R125	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R126	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R127	1-216-809-11	METAL CHIP	100	5%	1/10W
R128	1-216-809-11	METAL CHIP	100	5%	1/10W
R129	1-216-809-11	METAL CHIP	100	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R132	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R133	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R134	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R137	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R138	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R139	1-216-841-11	METAL CHIP	47K	5%	1/10W
R140	1-216-841-11	METAL CHIP	47K	5%	1/10W
R141	1-216-821-11	METAL CHIP	1K	5%	1/10W
R142	1-216-821-11	METAL CHIP	1K	5%	1/10W
R143	1-216-804-11	METAL CHIP	39	5%	1/10W
R144	1-216-804-11	METAL CHIP	39	5%	1/10W
R147	1-216-864-11	METAL CHIP	0	5%	1/10W
R148	1-216-864-11	METAL CHIP	0	5%	1/10W
⚠R149	1-216-361-31	METAL OXIDE	0.22	5%	2W F
⚠R150	1-216-361-31	METAL OXIDE	0.22	5%	2W F
⚠R151	1-216-361-31	METAL OXIDE	0.22	5%	2W F
⚠R152	1-216-361-31	METAL OXIDE	0.22	5%	2W F
R153	1-216-826-11	METAL CHIP	2.7K	5%	1/10W

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual.

MAIN

Ref. No.	Part No.	Description			Remark
R154	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R155	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R156	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R157	1-216-809-11	METAL CHIP	100	5%	1/10W
R158	1-216-809-11	METAL CHIP	100	5%	1/10W
R159	1-216-049-11	RES-CHIP	1K	5%	1/10W
R160	1-216-049-11	RES-CHIP	1K	5%	1/10W
R161	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R162	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R181	1-216-834-11	METAL CHIP	12K	5%	1/10W
R182	1-216-834-11	METAL CHIP	12K	5%	1/10W
R183	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R184	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R185	1-216-843-11	METAL CHIP	68K	5%	1/10W
R186	1-216-841-11	METAL CHIP	47K	5%	1/10W
R187	1-216-864-11	METAL CHIP	0	5%	1/10W
R188	1-216-081-00	METAL CHIP	22K	5%	1/10W
R201	1-249-393-11	CARBON	10	5%	1/4W
R202	1-249-393-11	CARBON	10	5%	1/4W
R203	1-216-150-11	RES-CHIP	10	5%	1/8W
R204	1-216-150-11	RES-CHIP	10	5%	1/8W
R236	1-216-861-11	METAL CHIP	2.2M	5%	1/10W
R237	1-216-049-11	RES-CHIP	1K	5%	1/10W
R238	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R239	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R241	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R242	1-216-073-00	RES-CHIP	10K	5%	1/10W
R243	1-216-049-11	RES-CHIP	1K	5%	1/10W
R244	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R246	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R248	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R249	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R250	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R252	1-216-833-11	METAL CHIP	10K	5%	1/10W
R253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R257	1-216-841-11	METAL CHIP	47K	5%	1/10W
R258	1-216-841-11	METAL CHIP	47K	5%	1/10W
R259	1-216-841-11	METAL CHIP	47K	5%	1/10W
R260	1-216-841-11	METAL CHIP	47K	5%	1/10W
R261	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R263	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R264	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R280	1-216-073-00	RES-CHIP	10K	5%	1/10W
R281	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R282	1-216-834-11	METAL CHIP	12K	5%	1/10W
R283	1-216-833-11	METAL CHIP	10K	5%	1/10W
R284	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R290	1-216-841-11	METAL CHIP	47K	5%	1/10W
R291	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R293	1-216-846-91	METAL CHIP	120K	5%	1/10W
R294	1-216-846-91	METAL CHIP	120K	5%	1/10W
R295	1-216-837-11	METAL CHIP	22K	5%	1/10W
R296	1-216-841-11	METAL CHIP	47K	5%	1/10W
R297	1-216-841-11	METAL CHIP	47K	5%	1/10W
R301	1-216-840-11	METAL CHIP	39K	5%	1/10W
R302	1-216-840-11	METAL CHIP	39K	5%	1/10W
R303	1-216-844-11	METAL CHIP	82K	5%	1/10W
R304	1-216-844-11	METAL CHIP	82K	5%	1/10W
R305	1-216-849-11	METAL CHIP	220K	5%	1/10W
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R312	1-216-833-11	METAL CHIP	10K	5%	1/10W
R313	1-216-838-11	METAL CHIP	27K	5%	1/10W
R314	1-216-797-11	METAL CHIP	10	5%	1/10W
R315	1-216-804-11	METAL CHIP	39	5%	1/10W
R316	1-216-833-11	METAL CHIP	10K	5%	1/10W
R317	1-216-821-11	METAL CHIP	1K	5%	1/10W
R318	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R601	1-216-809-11	METAL CHIP	100	5%	1/10W
R602	1-216-809-11	METAL CHIP	100	5%	1/10W
R603	1-216-852-11	METAL CHIP	390K	5%	1/10W
R604	1-216-852-11	METAL CHIP	390K	5%	1/10W
R605	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R606	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R607	1-216-845-11	METAL CHIP	100K	5%	1/10W
R608	1-216-845-11	METAL CHIP	100K	5%	1/10W
R609	1-216-836-11	METAL CHIP	18K	5%	1/10W
R610	1-216-836-11	METAL CHIP	18K	5%	1/10W
R611	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R612	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R615	1-216-835-11	METAL CHIP	15K	5%	1/10W
R616	1-216-835-11	METAL CHIP	15K	5%	1/10W
R617	1-216-835-11	METAL CHIP	15K	5%	1/10W
R618	1-216-835-11	METAL CHIP	15K	5%	1/10W
R619	1-216-838-11	METAL CHIP	27K	5%	1/10W

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual.

MAIN

Ref. No.	Part No.	Description			Remark
R620	1-216-838-11	METAL CHIP	27K	5%	1/10W
R621	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R622	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R623	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R624	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R625	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R626	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R627	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R628	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R629	1-216-833-11	METAL CHIP	10K	5%	1/10W
R630	1-216-833-11	METAL CHIP	10K	5%	1/10W
R631	1-216-817-11	METAL CHIP	470	5%	1/10W
R632	1-216-817-11	METAL CHIP	470	5%	1/10W
R633	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R634	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R635	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R636	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R637	1-216-815-11	METAL CHIP	330	5%	1/10W
R638	1-216-815-11	METAL CHIP	330	5%	1/10W
R643	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R644	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R645	1-216-850-11	METAL CHIP	270K	5%	1/10W
R646	1-216-850-11	METAL CHIP	270K	5%	1/10W
R647	1-216-850-11	METAL CHIP	270K	5%	1/10W
R648	1-216-852-11	METAL CHIP	390K	5%	1/10W
R649	1-216-852-11	METAL CHIP	390K	5%	1/10W
R651	1-216-809-11	METAL CHIP	100	5%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W
R653	1-216-837-11	METAL CHIP	22K	5%	1/10W
R654	1-216-837-11	METAL CHIP	22K	5%	1/10W
R655	1-216-837-11	METAL CHIP	22K	5%	1/10W
R656	1-216-837-11	METAL CHIP	22K	5%	1/10W
R657	1-216-842-11	METAL CHIP	56K	5%	1/10W
R658	1-216-837-11	METAL CHIP	22K	5%	1/10W
R659	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R661	1-216-835-11	METAL CHIP	15K	5%	1/10W
R662	1-216-841-11	METAL CHIP	47K	5%	1/10W
R663	1-216-833-11	METAL CHIP	10K	5%	1/10W
R664	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R665	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R666	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R667	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R670	1-216-833-11	METAL CHIP	10K	5%	1/10W
R671	1-216-842-11	METAL CHIP	56K	5%	1/10W
R672	1-216-833-11	METAL CHIP	10K	5%	1/10W
R673	1-216-821-11	METAL CHIP	1K	5%	1/10W
R674	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R675	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R676	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R677	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R678	1-216-817-11	METAL CHIP	470	5%	1/10W
R679	1-216-834-11	METAL CHIP	12K	5%	1/10W
R680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R681	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R682	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R683	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R684	1-216-817-11	METAL CHIP	470	5%	1/10W
R685	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R686	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R687	1-216-821-11	METAL CHIP	1K	5%	1/10W
R688	1-216-816-11	METAL CHIP	390	5%	1/10W
R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
R692	1-216-833-11	METAL CHIP	10K	5%	1/10W
R693	1-216-821-11	METAL CHIP	1K	5%	1/10W
R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
R695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R696	1-216-821-11	METAL CHIP	1K	5%	1/10W
R697	1-216-837-11	METAL CHIP	22K	5%	1/10W
R698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R699	1-216-821-11	METAL CHIP	1K	5%	1/10W
R700	1-216-837-11	METAL CHIP	22K	5%	1/10W
R701	1-216-837-11	METAL CHIP	22K	5%	1/10W
R702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R730	1-216-833-11	METAL CHIP	10K	5%	1/10W
R731	1-216-833-11	METAL CHIP	10K	5%	1/10W
R732	1-216-833-11	METAL CHIP	10K	5%	1/10W
R733	1-216-841-11	METAL CHIP	47K	5%	1/10W
R734	1-216-841-11	METAL CHIP	47K	5%	1/10W
R735	1-216-841-11	METAL CHIP	47K	5%	1/10W
R736	1-216-841-11	METAL CHIP	47K	5%	1/10W
R737	1-216-841-11	METAL CHIP	47K	5%	1/10W
R738	1-216-841-11	METAL CHIP	47K	5%	1/10W
R739	1-216-841-11	METAL CHIP	47K	5%	1/10W
R761	1-216-845-11	METAL CHIP	100K	5%	1/10W
R762	1-216-845-11	METAL CHIP	100K	5%	1/10W
R763	1-216-845-11	METAL CHIP	100K	5%	1/10W
R764	1-216-849-11	METAL CHIP	220K	5%	1/10W
R765	1-216-849-11	METAL CHIP	220K	5%	1/10W
R766	1-216-849-11	METAL CHIP	220K	5%	1/10W
R767	1-216-849-11	METAL CHIP	220K	5%	1/10W
		< THERMISTOR >			
TH101	1-803-790-21	THERMISTOR			
TH102	1-803-790-21	THERMISTOR			

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
WH013	1-817-363-11	HOLDER, WIRE 11P			
WH201	1-816-818-11	HLDR, WIRE 2.5-5P			
**********					
	1-687-133-11	MOTOR (LD) BOARD			
		**********			
**********					
	1-687-134-11	MOTOR (TB) BOARD			
		**********			
		< CONNECTOR >			
CN742	1-784-727-11	CONNECTOR, FFC 5P			
**********					
	Y-8284-040-A	PLACA PAINEL MONTADA			
		**********			
		< CAPACITOR/SHORT >			
C201	1-126-960-11	ELECT	1uF	20%	50V
C202	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C203	1-126-965-11	ELECT	22uF	20%	50V
C204	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C207	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C205	1-107-826-91	CERAMIC CHIP	0.01uF	10%	16V
C208	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C210	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C211	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C213	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C214	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C215	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C413	1-126-960-11	ELECT	1uF	20%	50V
C414	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C415	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C501	1-126-960-11	ELECT	1uF	20%	50V
C502	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C503	1-126-960-11	ELECT	1uF	20%	50V
C504	1-126-916-11	ELECT	1000uF	20%	6.3V
C505	1-126-964-11	ELECT	10uF	20%	50V
C507	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C509	1-126-965-11	ELECT	22uF	20%	50V
C510	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C601	1-126-947-11	ELECT	47uF	20%	16V
C809	1-126-947-11	ELECT	47uF	20%	16V
C902	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C903	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C904	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C905	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C906	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C907	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C908	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C909	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C910	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C911	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C912	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C914	1-126-947-11	ELECT	47uF	20%	35V
C915	1-131-992-11	CERAMIC CHIP	0.1uF		35V
C916	1-126-163-11	ELECT	4.7uF	20%	50V
C917	1-126-163-11	ELECT	4.7uF	20%	50V
C918	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C919	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C920	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C921	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C922	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C923	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C924	1-216-864-11	METAL CHIP	0	5%	1/10W
C926	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C927	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C930	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C931	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C932	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C933	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C935	1-128-057-11	ELECT	330uF	20%	6.3V
C999	1-126-923-91	ELECT	220uF	20%	10V
		< CONNECTOR >			
CN101	1-793-767-11	CONNECTOR, BOARD TO BOARD 30P			
CN403	1-784-784-11	CONNECTOR, FFC 23P			
CN601	1-784-774-11	CONNECTOR, FFC 13P			
CN701	1-784-772-11	CONNECTOR, FFC 11P			
		< DIODE >			
D101	8-719-991-34	DIODE 1SS133T-72			
D201	8-719-991-33	DIODE 1SS133T-77			
D402	8-719-991-33	DIODE 1SS133T-77			
D501	8-719-991-33	DIODE 1SS133T-77			
D502	8-719-991-33	DIODE 1SS133T-77			
D503	8-719-991-33	DIODE 1SS133T-77			
D504	8-719-991-33	DIODE 1SS133T-77			
D505	8-719-991-33	DIODE 1SS133T-77			
D506	8-719-991-33	DIODE 1SS133T-77			
D507	8-719-923-75	DIODE MTZJ-T-72-11B			
D508	8-719-991-33	DIODE 1SS133T-77			
D601	8-719-991-33	DIODE 1SS133T-77			
D602	8-719-991-33	DIODE 1SS133T-77			
D607	8-719-991-33	DIODE 1SS133T-77			
D608	8-719-991-33	DIODE 1SS133T-77			
D612	8-719-991-33	DIODE 1SS133T-77			
D620	8-719-820-03	DIODE 1SS181-TE85L			
D621	8-719-820-03	DIODE 1SS181-TE85L			
D622	8-719-820-03	DIODE 1SS181-TE85L			
D623	8-719-820-03	DIODE 1SS181-TE85L			
D624	8-719-820-03	DIODE 1SS181-TE85L			
D625	8-719-820-03	DIODE 1SS181-TE85L			
D626	8-719-820-03	DIODE 1SS181-TE85L			

PANEL

Ref. No.	Part No.	Description			Remark
D627	8-719-820-03	DIODE 1SS181-TE85L			
		< FILTER >			
FL901	1-518-894-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC201	6-704-046-01	IC BU2099FV			
IC501	6-704-135-01	IC MM1614A			
IC502	8-759-533-04	IC M62703ML-E1			
IC801	6-600-213-01	IC GP1UE271XK			
IC901	6-803-022-01	IC LC876796B-51F8			
		< SHORT >			
JR102	1-216-296-11	SHORT CHIP	0		
JR205	1-216-864-11	METAL CHIP	0	5%	1/10W
JR213	1-216-864-11	METAL CHIP	0	5%	1/10W
JR215	1-216-864-11	METAL CHIP	0	5%	1/10W
JR216	1-216-864-11	METAL CHIP	0	5%	1/10W
JR218	1-216-864-11	METAL CHIP	0	5%	1/10W
JR219	1-216-864-11	METAL CHIP	0	5%	1/10W
JR220	1-216-864-11	METAL CHIP	0	5%	1/10W
JR401	1-216-864-11	METAL CHIP	0	5%	1/10W
JR402	1-216-864-11	METAL CHIP	0	5%	1/10W (E51, MX)
JR601	1-216-296-11	SHORT CHIP	0		
JR602	1-216-864-11	METAL CHIP	0	5%	1/10W
JR903	1-216-864-11	METAL CHIP	0	5%	1/10W
JR905	1-216-864-11	METAL CHIP	0	5%	1/10W
JR906	1-216-864-11	METAL CHIP	0	5%	1/10W
JR907	1-216-864-11	METAL CHIP	0	5%	1/10W
JR908	1-216-864-11	METAL CHIP	0	5%	1/10W
JR909	1-216-296-11	SHORT CHIP	0		
JR910	1-216-864-11	METAL CHIP	0	5%	1/10W
JR911	1-216-864-11	METAL CHIP	0	5%	1/10W
JR912	1-216-864-11	METAL CHIP	0	5%	1/10W
JR913	1-216-864-11	METAL CHIP	0	5%	1/10W
JR923	1-216-864-11	METAL CHIP	0	5%	1/10W
		< TRANSISTOR >			
Q201	8-729-600-91	TRANSISTOR	2SC3052EF-T1-LEF		
Q202	8-729-600-91	TRANSISTOR	2SC3052EF-T1-LEF		
Q204	8-729-600-91	TRANSISTOR	2SC3052EF-T1-LEF		
Q205	8-729-600-91	TRANSISTOR	2SC3052EF-T1-LEF		
Q206	8-729-600-91	TRANSISTOR	2SC3052EF-T1-LEF		
Q601	8-729-116-61	TRANSISTOR	2SB1068TP-K		
Q602	8-729-141-87	TRANSISTOR	2SB1116-TP-LK		
Q603	8-729-141-87	TRANSISTOR	2SB1116-TP-LK		
Q604	8-729-206-58	TRANSISTOR	RN1202TPE4		
Q605	8-729-206-58	TRANSISTOR	RN1202TPE4		
Q606	8-729-206-58	TRANSISTOR	RN1202TPE4		
Q607	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
Q901	8-729-600-91	TRANSISTOR	2SC3052EF-T1-LEF		
		< RESISTOR >			
R101	1-249-417-11	CARBON	1K	5%	1/4W
R102	1-249-417-11	CARBON	1K	5%	1/4W
R103	1-249-417-11	CARBON	1K	5%	1/4W
R104	1-249-417-11	CARBON	1K	5%	1/4W
R105	1-249-417-11	CARBON	1K	5%	1/4W
R106	1-249-417-11	CARBON	1K	5%	1/4W
R107	1-249-417-11	CARBON	1K	5%	1/4W
R108	1-249-417-11	CARBON	1K	5%	1/4W
R109	1-249-417-11	CARBON	1K	5%	1/4W
R110	1-249-417-11	CARBON	1K	5%	1/4W
R111	1-249-417-11	CARBON	1K	5%	1/4W
R112	1-249-417-11	CARBON	1K	5%	1/4W
R113	1-249-417-11	CARBON	1K	5%	1/4W
R114	1-249-417-11	CARBON	1K	5%	1/4W
R118	1-249-393-11	CARBON	10	5%	1/4W
R119	1-249-417-11	CARBON	1K	5%	1/4W
R121	1-249-417-11	CARBON	1K	5%	1/4W
R122	1-249-417-11	CARBON	1K	5%	1/4W
R201	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R202	1-247-807-31	CARBON	100	5%	1/4W
R203	1-216-849-11	METAL CHIP	220K	5%	1/10W
R204	1-216-840-11	METAL CHIP	39K	5%	1/10W
R205	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R206	1-216-864-11	METAL CHIP	0	5%	1/10W
R208	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R210	1-216-809-11	METAL CHIP	100	5%	1/10W
R211	1-216-834-11	METAL CHIP	12K	5%	1/10W
R212	1-216-851-11	METAL CHIP	330K	5%	1/10W
R213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R214	1-216-849-11	METAL CHIP	220K	5%	1/10W
R215	1-216-809-11	METAL CHIP	100	5%	1/10W
R216	1-216-851-11	METAL CHIP	330K	5%	1/10W
R217	1-216-849-11	METAL CHIP	220K	5%	1/10W
R218	1-216-809-11	METAL CHIP	100	5%	1/10W
R219	1-216-833-11	METAL CHIP	10K	5%	1/10W
R220	1-216-849-11	METAL CHIP	220K	5%	1/10W
R221	1-216-841-11	METAL CHIP	47K	5%	1/10W
R222	1-216-849-11	METAL CHIP	220K	5%	1/10W
R223	1-216-809-11	METAL CHIP	100	5%	1/10W
R225	1-247-807-31	CARBON	100	5%	1/4W
R226	1-249-429-11	CARBON	10K	5%	1/4W
R227	1-249-429-11	CARBON	10K	5%	1/4W
R228	1-249-429-11	CARBON	10K	5%	1/4W
R247	1-216-834-11	METAL CHIP	12K	5%	1/10W
R248	1-216-845-11	METAL CHIP	100K	5%	1/10W
R249	1-216-838-11	METAL CHIP	27K	5%	1/10W
R254	1-216-849-11	METAL CHIP	220K	5%	1/10W
R261	1-216-833-11	METAL CHIP	10K	5%	1/10W
R262	1-216-833-11	METAL CHIP	10K	5%	1/10W
R263	1-216-833-11	METAL CHIP	10K	5%	1/10W
R264	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R334	1-216-833-11	METAL CHIP	10K	5%	1/10W
R335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R415	1-216-809-11	METAL CHIP	100	5%	1/10W
R416	1-216-850-11	METAL CHIP	270K	5%	1/10W
R417	1-216-835-11	METAL CHIP	15K	5%	1/10W

PANEL

Ref. No.	Part No.	Description			Remark
R418	1-216-853-11	METAL CHIP	470K	5%	1/10W
R419	1-216-821-11	METAL CHIP	1K	5%	1/10W
R501	1-249-408-11	CARBON	180	5%	1/4W
R502	1-216-841-11	METAL CHIP	47K	5%	1/10W
R503	1-216-841-11	METAL CHIP	47K	5%	1/10W
R504	1-249-429-11	CARBON	10K	5%	1/4W
R505	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R506	1-216-815-11	METAL CHIP	330	5%	1/10W
R507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R601	1-216-809-11	METAL CHIP	100	5%	1/10W
R607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R609	1-216-821-11	METAL CHIP	1K	5%	1/10W
R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R612	1-216-821-11	METAL CHIP	1K	5%	1/10W
R625	1-216-841-11	METAL CHIP	47K	5%	1/10W
R626	1-216-841-11	METAL CHIP	47K	5%	1/10W
R627	1-216-841-11	METAL CHIP	47K	5%	1/10W
R628	1-216-841-11	METAL CHIP	47K	5%	1/10W
R629	1-216-841-11	METAL CHIP	47K	5%	1/10W
R630	1-216-841-11	METAL CHIP	47K	5%	1/10W
R631	1-216-841-11	METAL CHIP	47K	5%	1/10W
R637	1-216-841-11	METAL CHIP	47K	5%	1/10W
R638	1-249-417-11	CARBON	1K	5%	1/4W
R639	1-249-417-11	CARBON	1K	5%	1/4W
R640	1-249-417-11	CARBON	1K	5%	1/4W
R641	1-249-417-11	CARBON	1K	5%	1/4W
R642	1-249-417-11	CARBON	1K	5%	1/4W
R643	1-249-417-11	CARBON	1K	5%	1/4W
R644	1-249-421-11	CARBON	2.2K	5%	1/4W
R645	1-249-421-11	CARBON	2.2K	5%	1/4W
R701	1-216-809-11	METAL CHIP	100	5%	1/10W
R702	1-247-807-31	CARBON	100	5%	1/4W
R703	1-216-809-11	METAL CHIP	100	5%	1/10W
R704	1-216-809-11	METAL CHIP	100	5%	1/10W
R705	1-216-809-11	METAL CHIP	100	5%	1/10W
R706	1-216-809-11	METAL CHIP	100	5%	1/10W
R707	1-216-809-11	METAL CHIP	100	5%	1/10W
R708	1-216-809-11	METAL CHIP	100	5%	1/10W
R709	1-247-807-31	CARBON	100	5%	1/4W
R817	1-249-401-11	CARBON	47	5%	1/4W
R818	1-249-438-11	CARBON	56K	5%	1/4W
R902	1-216-841-11	METAL CHIP	47K	5%	1/10W
R903	1-216-841-11	METAL CHIP	47K	5%	1/10W
R904	1-216-841-11	METAL CHIP	47K	5%	1/10W
R905	1-216-841-11	METAL CHIP	47K	5%	1/10W
R906	1-216-841-11	METAL CHIP	47K	5%	1/10W
R907	1-216-841-11	METAL CHIP	47K	5%	1/10W
R908	1-216-841-11	METAL CHIP	47K	5%	1/10W
R909	1-216-841-11	METAL CHIP	47K	5%	1/10W
R910	1-216-841-11	METAL CHIP	47K	5%	1/10W
R911	1-216-841-11	METAL CHIP	47K	5%	1/10W
R912	1-216-841-11	METAL CHIP	47K	5%	1/10W
R913	1-216-845-11	METAL CHIP	100K	5%	1/10W
R914	1-216-845-11	METAL CHIP	100K	5%	1/10W
R915	1-216-845-11	METAL CHIP	100K	5%	1/10W
R916	1-216-845-11	METAL CHIP	100K	5%	1/10W
R917	1-216-845-11	METAL CHIP	100K	5%	1/10W
R918	1-216-845-11	METAL CHIP	100K	5%	1/10W
R919	1-216-845-11	METAL CHIP	100K	5%	1/10W
R920	1-216-845-11	METAL CHIP	100K	5%	1/10W
R921	1-216-845-11	METAL CHIP	100K	5%	1/10W
R922	1-216-845-11	METAL CHIP	100K	5%	1/10W
R923	1-216-845-11	METAL CHIP	100K	5%	1/10W
R924	1-216-845-11	METAL CHIP	100K	5%	1/10W
R925	1-216-845-11	METAL CHIP	100K	5%	1/10W
R926	1-216-845-11	METAL CHIP	100K	5%	1/10W
R927	1-216-845-11	METAL CHIP	100K	5%	1/10W
R928	1-216-845-11	METAL CHIP	100K	5%	1/10W
R929	1-216-845-11	METAL CHIP	100K	5%	1/10W
R930	1-216-845-11	METAL CHIP	100K	5%	1/10W
R931	1-216-845-11	METAL CHIP	100K	5%	1/10W
R932	1-216-845-11	METAL CHIP	100K	5%	1/10W
R933	1-216-845-11	METAL CHIP	100K	5%	1/10W
R934	1-216-845-11	METAL CHIP	100K	5%	1/10W
R935	1-216-845-11	METAL CHIP	100K	5%	1/10W
R936	1-216-845-11	METAL CHIP	100K	5%	1/10W
R937	1-216-845-11	METAL CHIP	100K	5%	1/10W
R938	1-216-845-11	METAL CHIP	100K	5%	1/10W
R939	1-216-845-11	METAL CHIP	100K	5%	1/10W
R940	1-216-845-11	METAL CHIP	100K	5%	1/10W
R941	1-216-845-11	METAL CHIP	100K	5%	1/10W
R942	1-249-414-11	CARBON	560	5%	1/4W
R943	1-249-414-11	CARBON	560	5%	1/4W
R944	1-249-427-11	CARBON	6.8K	5%	1/4W
R945	1-249-427-11	CARBON	6.8K	5%	1/4W
R946	1-216-845-11	METAL CHIP	100K	5%	1/10W
R947	1-216-845-11	METAL CHIP	100K	5%	1/10W
R948	1-216-845-11	METAL CHIP	100K	5%	1/10W
R949	1-216-845-11	METAL CHIP	100K	5%	1/10W
R950	1-216-845-11	METAL CHIP	100K	5%	1/10W
R953	1-249-441-11	CARBON	100K	5%	1/4W
R954	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R957	1-249-441-11	CARBON	100K	5%	1/4W
R958	1-219-570-11	METAL CHIP	10M	5%	1/10W
R959	1-216-853-11	METAL CHIP	470K	5%	1/10W
R960	1-216-809-11	METAL CHIP	100	5%	1/10W
R961	1-216-821-11	METAL CHIP	1K	5%	1/10W
R962	1-216-821-11	METAL CHIP	1K	5%	1/10W
R963	1-216-821-11	METAL CHIP	1K	5%	1/10W
R964	1-216-845-11	METAL CHIP	100K	5%	1/10W
R965	1-216-845-11	METAL CHIP	100K	5%	1/10W
R966	1-216-845-11	METAL CHIP	100K	5%	1/10W
R967	1-216-845-11	METAL CHIP	100K	5%	1/10W
R968	1-216-845-11	METAL CHIP	100K	5%	1/10W
R969	1-216-845-11	METAL CHIP	100K	5%	1/10W
R970	1-216-845-11	METAL CHIP	100K	5%	1/10W
R971	1-249-441-11	CARBON	100K	5%	1/4W
R972	1-249-441-11	CARBON	100K	5%	1/4W
R973	1-216-845-11	METAL CHIP	100K	5%	1/10W
R974	1-249-441-11	CARBON	100K	5%	1/4W
R975	1-249-441-11	CARBON	100K	5%	1/4W

PANEL PT SENSOR SW

Ref. No.	Part No.	Description	Remark
R976	1-216-825-11	METAL CHIP 2.2K 5%	1/10W
		< VIBRATOR >	
X901	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)	
X902	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)	
**********			
	Y-8284-058-A	PLACA TRANSFORMADOR	
	1-688-763-11	PT BOARD (E51)	
		*********	
		< CAPACITOR >	
C003	1-165-974-91	CERAMIC CHIP 0.1uF	50V
		< CONNECTOR >	
* CN090	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	
CN093	1-817-514-11	CONNECTOR 11P	
		< DIODE >	
D002	8-719-820-05	DIODE 1SS181-TE85L (E51)	
D003	8-719-801-78	DIODE 1SS184-TE85L (E51)	
D091	8-719-820-05	DIODE 1SS181-TE85L (EXCEPT E51)	
D092	8-719-801-78	DIODE 1SS184-TE85L (EXCEPT E51)	
		< TRANSFORMER >	
⚠PT002	1-439-945-11	SUB TRANSFORMADOR	
		< RELAY >	
⚠RY001	1-755-276-11	RELAY, POWER	
		< SWITCH >	
⚠S001	1-786-404-11	SW, SL 1-2-2 SWS2201 (VOLTAGE SELECTOR)	
		< CONNECTOR >	
WH093	1-817-363-11	HOLDER, WIRE 11P (EXCEPT E51)	
**********			
	1-687-132-11	SENSOR BOARD	
		**********	
		< CONNECTOR >	
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P	
		< IC >	
IC731	6-600-022-01	IC RPI-576	
**********			

Ref. No.	Part No.	Description	Remark
	1-687-669-11	SW BOARD	
		*********	
		< SWITCH >	
S751	1-786-514-11	SWITCH, LEVER (SLIDE) (OPEN/CLOSE DETECT)	
**********			
		MISCELLANEOUS	
		**********	
55	1-796-485-61	DECK, MECHANICAL (CWM43FF05)	
106	1-773-131-11	WIRE (FLAT TYPE) (13 CORE)	
107	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)	
108	1-769-857-11	WIRE (FLAT TYPE) (5 CORE)	
110	1-773-182-11	WIRE (FLAT TYPE) (23 CORE)	
254	1-693-623-11	SINTONIZADOR	
256	1-769-943-11	WIRE (FLAT TYPE) (11 CORE)	
257	1-827-222-11	WIRE (FLAT TYPE) (19 CORE)	
⚠259	1-757-813-13	CABO DE FORÇA	
260	1-400-285-11	F-BEAD, E2515MRT	
509	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
602	1-471-035-11	MAGNET ASSY	
⚠657	8-820-020-11	OPTICAL PICK-UP KSS-213D/Z-RP	
658	1-792-024-11	WIRE (FLAT TYPE) (16 CORE)	
M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
M702	X-2161-802-1	CHASSIS ASSY (DCP), T. T (SPINDLE)	
M741	A-4723-963-A	MOTOR ASSY, TABLE	
M751	A-4736-655-A	MOTOR ASSY, LOADING	
⚠PT002	1-439-945-11	SUB TRANSFORMADOR	
⚠PT004	1-439-913-11	TRANSFORMADOR	
S711	1-477-680-11	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	
M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
**********			
		ACESSÓRIOS	
		**********	
	1-754-243-11	ANTENA (F-PAL)	
	1-528-681-12	PILHA PEQUENA	
	4-246-024-61	MANUAL DE INSTRUÇÕES	
	Y-8283-248-B	CONJUNTO DE ANTENA LOOP	
	Y-8284-102-A	CONTROLE REMOTO (RM-Z20004)	

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual.

SX-JN3

MANUAL DE SERVIÇO

Versão 1.1 11.2003

- SX-JN3 é a sistama de caixas acústicas do JAX-N3 Foto: lado direito

ESPECIFICAÇÕES

Sistema	3 vias, bass reflex
Unidade de alto-falantes	Woofer: 160 mm tipo cone Tweeter: 50 mm tipo cone Super tweeter: 20 mm cerâmico
Impedância	6 ohms
Dimensões (L x Ax P)	270 x 327 x 279 mm
Peso(aprox.)	3.9 kg (cada caixa)

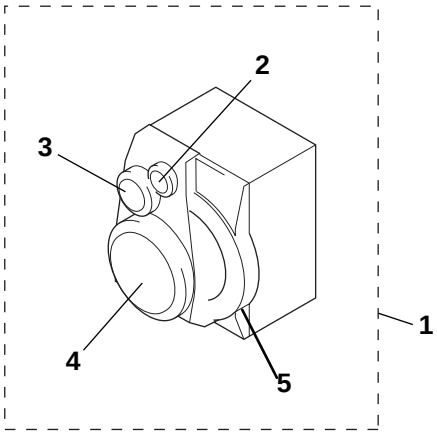
Projeto e especificações técnicas sujeitos a alteração sem prévio aviso.

- JIG
  Quando na desmontagem da caixa utilize este Jig

  Part No.: J-2501-238-A JIG FOR SPEAKER REMOVAL

LISTA DE PEÇAS

Ref. No.	Part No.	Description	Remark
1	Y-8284-049-A	CONJ. CAIXAS ACÚSTICAS	
2	1-825-397-11	ALTO-FALANTE (CERÂMICO)	
3	9-862-601-01	ALTO-FALANTE (5cm)	
4	9-862-600-01	ALTO-FALANTE (16cm)	
5	4-245-816-01	PAINEL FRONTAL (ESQ)	
5	4-245-816-01	PAINEL FRONTAL (DIR)	
6	4-245-964-01	EMBLEMA AIWA	
1-1	6-900-703-00	CAIXA ACUSTICA MONTADA (DIR.)	
1-2	6-900-704-00	CAIXA ACUSTICA MONTADA (ESQ.)	



Nota: Lado direito

CAIXA ACÚSTICA

SONY BRASIL LTDA.
Assessoria Técnica Consumidor
Depto. Treinamento – Agosto / 2003
http://www.sony.com.br