

XR-C7500R/C7500RX

SERVICE MANUAL

AEP Model
UK Model
XR-C7500R/C7500RX
E Model
XR-C7500RX



(XR-C7500R/C7500RX: AEP, UK)
For RM-X4S (Remote Commander),
please refer to RM-X4S Service Manual
(9-925-698-00) previously issued.

Photo: XR-C7500R

Dolby noise reduction manufactured under license
from Dolby Laboratories Licensing Corporation.
“DOLBY” and the double-D symbol \square are trade-
marks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism	XR-C7300/C5300R
Tape Transport Mechanism Type	MG-25G-136

SPECIFICATIONS

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 18,000 Hz
Signal-to-noise ratio	

Cassette type	Dolby B NR	Dolby NR off
TYPE II, IV	67 dB	61 dB
TYPE I	64 dB	58 dB

Tuner section

FM	
Tuning range	87.5 – 108.0 MHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz / 450 kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)
Harmonic distortion at 1 kHz	0.6 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW/LW

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz / 450 kHz
Sensitivity	MW: 30 μ V LW: 40 μ V

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	50 W \times 4 (at 4 ohms)

General

Outputs	Audio output Power aerial relay control lead Power amplifier control lead Telephone ATT control lead
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 \times 50 \times 183 mm (w/h/d)
Mounting dimensions	Approx. 182 \times 53 \times 162 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Rotary commander RM-X4S (XR-C7500R/ XR-C7500RX: AEP, UK) Card remote commander RM-X91 (XR-C7500RX: E)

*Design and specifications are subject to change
without notice.*

FM/MW/LW CASSETTE CAR STEREO

SONY®

SECTION 1 SERVICING NOTES

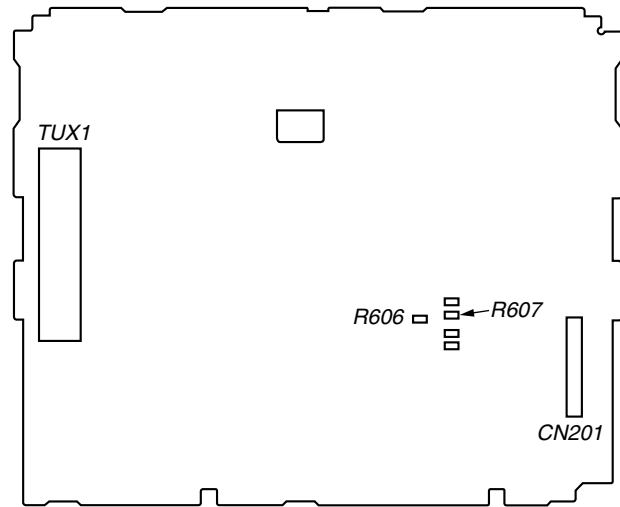
TABLE OF CONTENTS

1.	SERVICING NOTES	2
2.	GENERAL	
	Location of Controls	3
	Setting the Clock	3
	Installation	4
	Connections	6
3.	DISASSEMBLY	10
4.	ASSEMBLY OF MECHANISM DECK	12
5.	MECHANICAL ADJUSTMENTS	15
6.	ELECTRICAL ADJUSTMENTS	
	Test Mode	15
	Tape Deck Section	16
	Tuner Section	16
7.	DIAGRAMS	
7-1.	Block Diagram – TUNER/TAPE Section –	17
7-2.	Block Diagram – MAIN Section –	18
7-3.	Block Diagram – DISPLAY/KEY CONTROL Section –	19
7-4.	Block Diagram – BUS CONTROL/POWER SUPPLY Section –	20
7-5.	Note for Printed Wiring Boards and Schematic Diagrams	21
7-6.	Printed Wiring Board – Main Board (Component Side) –	22
7-7.	Printed Wiring Board – Main Board (Conductor Side) –	23
7-8.	Schematic Diagram – Main Board (1/4) –	24
7-9.	Schematic Diagram – Main Board (2/4) –	25
7-10.	Schematic Diagram – Main Board (3/4) –	26
7-11.	Schematic Diagram – Main Board (4/4) –	27
7-12.	Printed Wiring Board – SUB Board –	28
7-13.	Schematic Diagram – SUB Board –	28
7-14.	Printed Wiring Board – KEY Board –	30
7-15.	Schematic Diagram – KEY Board –	31
7-16.	IC Pin Function Description	34
8.	EXPLODED VIEWS	40
9.	ELECTRICAL PARTS LIST	43

MODEL IDENTIFICATION

The XR-C7500R and XR-C7500RX have three types of MAIN boards respectively.

– MAIN BOARD (Conductor Side) –



	TYPE A	TYPE B	TYPE C
R606	×	○	○
R607	○	×	○

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

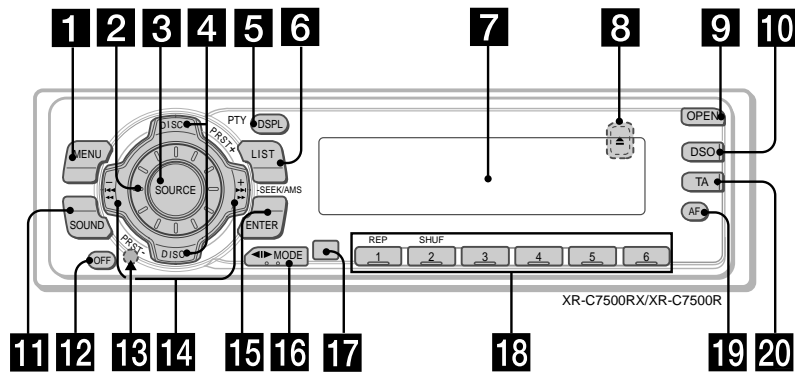
Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

SECTION 2 GENERAL

This section is extracted from instruction manual.

Location of controls



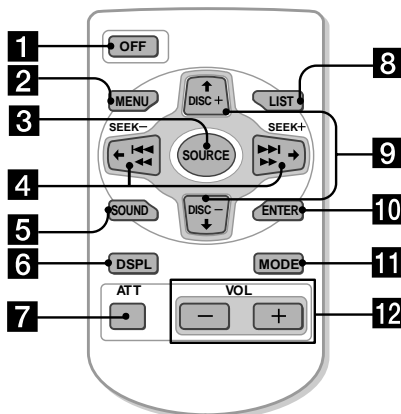
Refer to the pages listed for details.

- 1** MENU button
9, 11, 12, 13, 15, 17, 18, 20, 21, 23, 24, 26, 27, 30, 31, 33, 34, 35
- 2** Volume control dial
- 3** SOURCE (TUNER/TAPE/CD/MD) button
6, 8, 10, 12, 13, 19, 20, 24, 25, 26, 27, 31, 34
- 4** PRST/DISC +/- (cursor up/down) buttons
8, 9, 11, 12, 13, 15, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 30, 31, 32, 33, 34, 35
During radio reception:
Preset stations select 13
During CD/MD playback:
Disc change 32
- 5** DSPL/PTY (display mode change/programme type) button
11, 18, 23, 31, 33
- 6** LIST button
Disc memo 33
List-up 22, 34
- 7** Display window
- 8** (eject) button (located on the front side of the unit behind the front panel) 10
- 9** OPEN button 7, 10, 36
- 10** DSO button 26
- 11** SOUND button 24, 25, 26
- 12** OFF button* 6, 7, 8, 10
Reset button (located on the front side of the unit behind the front panel) 7
- 14** SEEK/AMS +/- (cursor left/right) buttons
8, 9, 10, 11, 12, 13, 15, 17, 18, 19, 21, 23, 24, 25, 26, 27, 30, 31, 32, 33, 35
Seek 13, 15, 19
Automatic Music Sensor 10, 32
Manual search 13, 32

- 15** ENTER button
9, 11, 12, 13, 15, 17, 18, 20, 21, 22, 23, 24, 26, 27, 30, 31, 33, 34, 35
- 16** MODE button 10, 11, 12, 13, 19, 20, 31, 34
During tape playback:
Playback direction change 10
During radio reception:
BAND select 12, 13
During CD/MD playback:
CD/MD unit select 31
- 17** Receptor for the card remote commander
- 18** Number buttons
During radio reception:
Preset number select 12, 13, 16, 17, 20, 21
During tape playback:
① REP 11
② SHUF 32
During CD/MD playback:
① REP 32
② SHUF 32
- 19** AF button 15, 17
- 20** TA button 16, 17

* **Warning when installing in a car without ACC (accessory) position on the ignition key switch**
Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turning off the engine.
When you press (OFF) only momentarily, the clock display does not turn off and this causes battery wear.

Card remote commander RM-X91 (XR-C7500RX: E)



The corresponding buttons of the card remote commander control the same functions as those on this unit.

- 1** OFF button
- 2** MENU button
- 3** SOURCE button
- 4** SEEK/AMS (cursor ←/→) buttons
- 5** SOUND button
- 6** DSPL/PTY button
- 7** ATT button
- 8** LIST button
- 9** DISC/PRST (cursor ↑/↓) buttons
- 10** ENTER button
- 11** MODE button
- 12** VOL buttons

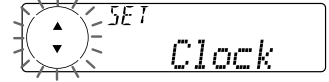
A unit turned off by pressing (OFF) for two seconds cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed or a cassette is inserted to activate the unit first.

Setting the clock

The clock uses a 24-hour digital indication.

Example: To set the clock to 10:08

- 1** Press (MENU), then press either side of (PRST/DISC) repeatedly until "Clock" appears.

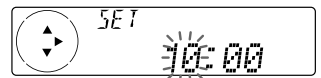


- 1** Press (ENTER).

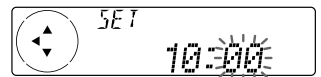


The hour indication flashes.

- 2** Press either side of (PRST/DISC) to set the hour.

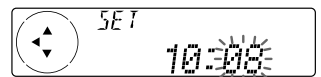


- 3** Press (+) side of (SEEK/AMS).

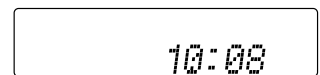


The minute indication flashes.

- 4** Press either side of (PRST/DISC) to set the minute.



- 2** Press (ENTER).



The clock starts.

After the clock setting is complete, the display returns to normal playback mode.

Tips

- You can use the convenient CT function to set the clock automatically (page 18).
- When the D.Info mode is set to on, the time is always displayed (page 30).

Installation

Precautions

- If you mount other Sony equipment with this unit, it is better to mount this unit in the lower position.
- There must be a distance of at least 15 cm between the cassettes slot of the unit and shift lever to insert cassette easily. Choose the installation location carefully so the unit does not interfere with gear shifting and other driving operations.
- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperatures, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 20°.

Instalación

Precauciones

- Si monta otro equipo Sony con esta unidad, es preferible montar esta unidad en la posición más baja.
- Para que sea posible insertar la cinta con facilidad, debe haber una distancia de al menos 15 cm entre la ranura de inserción de cintas de la unidad y la palanca de cambios. Instale la unidad en un lugar que no entorpezca las operaciones de cambio de marchas o de conducción en general.
- Elija cuidadosamente el lugar de montaje de forma que la unidad no dificulte las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a altas temperaturas, como a la luz solar directa o al aire de calefacción, o a polvo, suciedad o vibraciones excesivas.
- Para realizar una instalación segura y firme, utilice solamente la ferretería de montaje suministrada.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 20°.

Montering

Säkerhetsföreskrifter

- Om du monterar annan Sony-utrustning till denna enhet är det bäst att montera denna enhet i det undre läget.
- För att du ska kunna sätta i och ta ut bandet måste avståndet vara minst 15 cm mellan kassettfacket på enheten och växelspaken. När du installerar enheten väljer du en plats så att enheten inte är i vägen när du kör.
- Var noga när du väljer var i bilen du monterar bilstereon, så att den inte sitter i vägen när du kör.
- Montera inte bilstereon där den utsätts för värme, t ex solen eller varmluft, eller där den utsätts för damm, smuts och/eller vibrationer.
- Använd endast de medföljande monteringsstillbehören för att vara säker på att bilstereon monteras på ett säkert och korrekt sätt.

Tillåten monteringsvinkel

Monteringsvinkeln får inte vara större än 20 grader.

Instalação

Precauções

- É preferível montar este aparelho na posição mais baixa, se quiser montar simultaneamente outros equipamentos da Sony.
- Para colocar com facilidade a cassete, deve haver uma distância de pelo menos 15 cm entre a ranhura de introdução da cassete e a alavanca das mudanças. Escolha o local de instalação de forma a que o aparelho não interfira com as mudanças de velocidade ou com as outras manobras de condução.
- Escolha com cuidado um local apropriado para a montagem do aparelho, para que este não interfira com as manobras necessárias à condução do veículo.
- Evite instalar o aparelho onde possa estar sujeito a altas temperaturas, como em locais expostos directamente à luz do sol, ao ar quente dos aquecimentos, ou sujeitos a pó, sujidade ou vibração excessiva.
- Para efectuar uma instalação segura utilize unicamente o hardware de montagem fornecido.

Ajuste do ângulo de montagem

Ajuste o ângulo de montagem a menos de 20°.



How to detach and attach the front panel

Before installing the unit, detach the front panel.

A To detach

Before detaching the front panel, be sure to press (OFF). Press (OPEN), then slide the front panel to the right side, and pull out the left side.

B To attach

Place the hole (A) in the front panel onto the spindle (B) on the unit as illustrated, then push the left side in.

Forma de extraer e instalar el panel frontal

Antes de instalar la unidad, extraiga el panel frontal.

A Para extraerlo

Antes de extraer el panel frontal, ceriéndose de pulsar (OFF). Después pulse (OPEN) para abrirlo, deslicelo hacia la derecha, por último, tire de su parte izquierda.

B Para instalarlo

Coloque el orificio (A) del panel frontal en el eje (B) de la unidad, como se muestra en la ilustración, y después presione la parte izquierda.

Ta loss/fästa frontpanelen

Ta loss frontpanelen innan du monterar bilstereon.

A Ta loss frontpanelen

Var noga med att trycka på (OFF) innan frontpanelen tas loss. Tryck därefter på (OPEN) för att öppna frontpanelen. Skjut frontpanelen åt höger och dra dess vänstra del utåt för att ta loss frontpanelen.

B Fästa frontpanelen

Placera frontpanelen så att hålet (A) på frontpanelen träfs över axeln (B) på bilstereon enligt illustrationen. Tryck därefter frontpanelens vänstra del inåt.

Para retirar e colocar o painel frontal

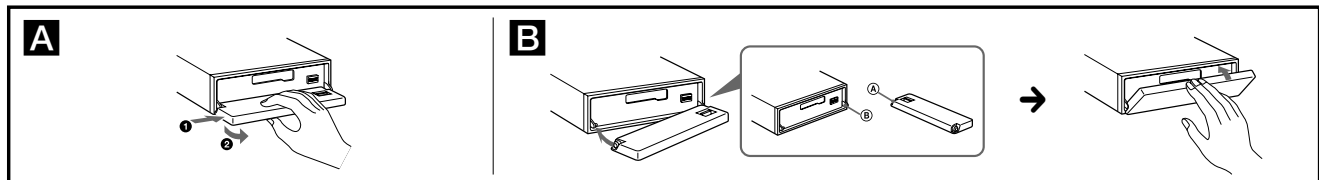
Retire o painel frontal antes de iniciar a instalação do aparelho.

A Para retirar

Antes de retirar o painel frontal, tem de carregar primeiro em (OFF). A seguir, carregue em (OPEN) para soltar o painel frontal e empurre-o para a direita. Depois puxe o lado esquerdo do painel para fora.

B Para colocar

Coloque o orificio (A) do painel frontal no eixo (B) do aparelho tal como ilustrado, e depois carregue no lado esquerdo para dentro.

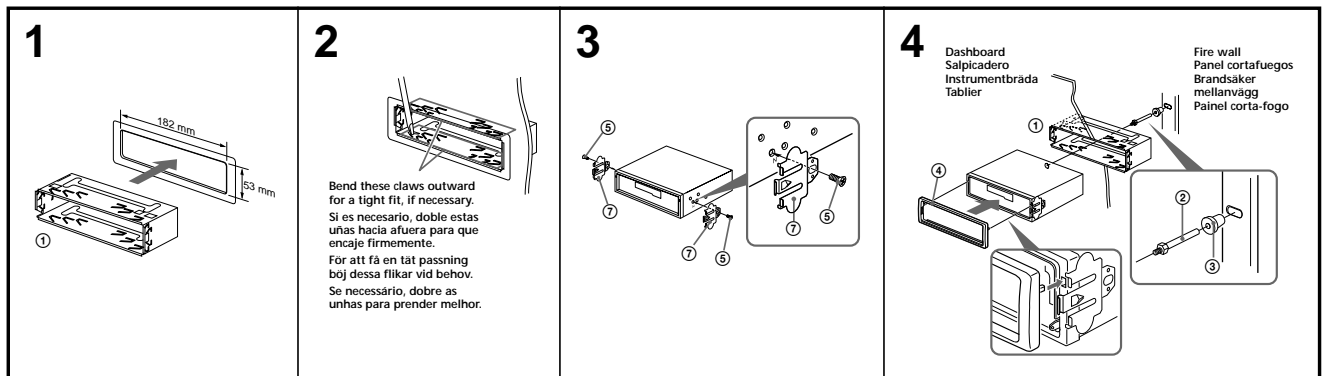


Installation in the dashboard

Instalación en el salpicadero

Montera på instrumentbrådan

Instalação no tablier



Note

To prevent malfunction, install only with the supplied screws ⑤.

Nota

Para evitar fallos de funcionamiento, realice la instalación únicamente con los tornillos suministrados ⑤.

Observera

Använd bara de medföljande skruvarna ⑤, så undviker du onödiga fel.

Nota

Para evitar avarias, instale o aparelho apenas com os parafusos fornecidos ⑤.

Reset button

When the installation and connections are complete, be sure to press the reset button with a ballpoint pen, etc.

Botón de restauración

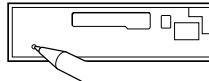
Quando finalice la instalación y las conexiones, cerciórese de pulsar el botón de restauración con un bolígrafo, etc.

Nollställningsknappen

Kom ihåg att använda en penna eller något annat spetsigt föremål för att trycka på nollställningsknappen när anslutningen och monteringen är klar.

Botão de reinicialização

Quando terminar a instalação e as ligações, não se esqueça de carregar no botão de reinicialização com a ponta de uma caneta, esferográfica, etc.



Troubleshooting guide

The following check will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, refer to the connection and operating procedures.

Problem	Cause
<ul style="list-style-type: none"> • Memorised stations and correct time are erased. • The fuse has blown. • Makes noise when the ignition key is the ON, ACC and OFF positions. 	Leads are not matched correctly with the car's accessory power connector.
<ul style="list-style-type: none"> • No power is being supplied to the unit. • The power is continuously supplied to the unit. 	The car doesn't have an ACC position.
The power aerial does not extend.	The power aerial does not have a relay box.

Felsökning

De flesta problem som kan uppstå med enheten kan åtgärdas genom att kontrollera följande. Innan du går igenom punkterna nedan bör du läsa instruktionerna för anslutning och handhavande.

Problem	Orsak
<ul style="list-style-type: none"> • Minneslagrade stationer och aktuell tid har raderats. • Säkringarna har gått. • Brus när tändningsnyckeln är i läge ON, ACC och OFF. 	Kablarna är inte kopplade på rätt sätt till bilens anslutning för tillbehör.
<ul style="list-style-type: none"> • Ingen ström till enheten. • Kontinuerlig ström till enheten. 	Bilen har inte något ACC-läge.
Motorantennen öker inte ut.	Motorantennen har ingen reläbox.

Guía de solución de problemas

La siguiente lista de comprobaciones le ayudará a solucionar la mayoría de los problemas que puedan surgir con la unidad. Antes de consultar la lista, compruebe los procedimientos de conexión y funcionamiento.

Problema	Causa
<ul style="list-style-type: none"> • Se han borrado las emisoras memorizadas y la hora correcta. • El fusible se ha fundido. • Se produce ruido cuando la llave de encendido se encuentra en las posiciones ON, ACC y OFF. 	Los cables no coinciden correctamente con el conector de alimentación accesoria del automóvil.
<ul style="list-style-type: none"> • La unidad no recibe alimentación. • La unidad recibe alimentación de forma continua. 	El automóvil no dispone de posición ACC.
La antena motorizada no se despliega.	La antena motorizada no tiene un dispositivo de relé.

Guía de detecção de avarias

A verificação seguinte ajuda-o a corrigir a maioria das avarias que podem ocorrer no aparelho. Antes de utilizar a lista de verificação abaixo, consulte as instruções de funcionamento e de ligação.

Problema	Causa
<ul style="list-style-type: none"> • As estações memorizadas e a hora correcta são apagadas. • O fusível rebentou. • Faz ruído se a chave de ignição estiver nas posições ON, ACC e OFF. 	A correspondência entre os fios de ligação e o conector de alimentação de acessórios não está correcta.
<ul style="list-style-type: none"> • O aparelho não está a receber corrente. • O aparelho está a receber continuamente corrente. 	O carro não tem posição ACC.
A antena eléctrica não estica.	A antena eléctrica não tem caixa de relé.

Connections

Cautions

- This unit is designed for negative earth 12 V DC operation only.
- Be careful not to pinch any wires between a screw and the body of the car or this unit or between any moving parts such as the seat railing, etc.
- Connect the power connecting cord ② to the unit and speakers before connecting it to the auxiliary power connector.
- **Run all earth wires to a common earth point.**
- Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating. If you connect this unit in combination with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual components' fuse rating. If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery. If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.

Warning when installing in a car without ACC (accessory) position on the ignition key switch

Be sure to press **OFF** on the unit for two seconds to turn off the clock display after turned off the engine.

When you press **OFF** momentarily, the clock display does not turn off and this causes battery wear.

Notes of connection example

Notes on the control leads

- The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation), AF (Alternative Frequency) or the TA (Traffic Announcement) function.
- A power aerial without a relay box cannot be used with this unit.
- When your car has a built-in FM/MW/LW aerial in the rear/side glass, it is necessary to connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.

Warning

If you have a power aerial without a relay box, connecting this unit with the supplied power connecting cord ② may damage the aerial.

Memory hold connection

When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.
- Do not attempt to connect the speakers in parallel.
- Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Be sure to connect passive speakers to these terminals.

After connecting

After connecting, bundle up the connecting cord of the rotary commander with other connecting cords of the audio equipment by attaching the supplied crammer ⑩. Be sure to leave some slack in the connecting cord between the plug and the crammer as illustrated.

Conexiones

Precauciones

- Esta unidad ha sido diseñada para alimentarse con 12 V CC, negativo a masa, solamente.
- Tenga cuidado de no atrapar ningún cable entre algún tornillo y la carrocería del automóvil o esta unidad o entre las partes móviles, como por ejemplo los railes del asiento, etc.
- Conecte el cable de conexión de alimentación ② a la unidad y los altavoces antes de conectarlo al conector de alimentación auxiliar.
- **Conecte todos los cables de puesta a masa a un punto común.**
- Conecte el cable amarillo a un circuito libre del automóvil de potencia nominal superior a la del fusible de la unidad. Si conecta esta unidad en combinación con otros componentes estéreo, la potencia nominal del circuito del automóvil a los que dichos componentes estén conectados debe ser superior a la suma de la potencia nominal del fusible de los componentes. Si no existen circuitos de automóvil de potencia nominal tan alta como la del fusible de la unidad, conecte ésta directamente a la batería. Si no hay circuitos de automóvil disponibles para conectar esta unidad, conecte la misma a un circuito de automóvil de potencia nominal superior a la del fusible de la unidad de forma que no se desactiven otros circuitos si el fusible de dicha unidad se funde.

Advertencia sobre la instalación en un automóvil que no disponga de posición ACC (accesorios) en el interruptor de la llave de encendido

Asegúrese de pulsar **OFF** en la unidad durante dos segundos para desactivar la indicación del reloj una vez apagado el motor. Si pulsa **OFF** momentáneamente, la indicación del reloj no se desactivará y esto causará el desgaste de la batería.

Notas de ejemplo de conexiones

Notas sobre cables de control

- El cable de control (azul) de la antena motorizada suministra + 12 V CC al activar el sintonizador o la función ATA (activación automática del sintonizador), AF (frecuencias alternativas) o TA (anuncios de tráfico).
- Con esta unidad no podrá utilizarse una antena motorizada sin caja de relés.
- Si el automóvil dispone de antena de FM/MW/LW incorporada en el cristal trasero/lateral, será necesario conectar el cable de control de antena motorizada (azul) o el cable de entrada de alimentación accesoria (rojo) al terminal de potencia del amplificador de antena existente. Para más información, consulte con el proveedor.

Advertencia

Si dispone de una antena motorizada sin dispositivo de relé, la conexión de esta unidad con el cable de conexión de alimentación ② suministrado puede dañar la antena.

Conexión para protección de la memoria

Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, incluso aunque ponga la llave de encendido en la posición de apagado.

Notas sobre la conexión de los altavoces

- Antes de conectar los altavoces, desconecte la alimentación de la unidad.
- Utilice altavoces con una impedancia de 4 a 8 ohmios, y con la potencia máxima admisible adecuada, ya que de lo contrario podría dañarlos.
- No conecte los terminales del sistema de altavoces al chasis del automóvil, ni los del altavoz izquierdo a los del derecho.
- No intente conectar los altavoces en paralelo.
- No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoces de la unidad. Si lo hiciese, podría dañar tales altavoces. Por lo tanto, cerciórese de conectar altavoces pasivos a estos terminales.

Después de realizar la conexión

Una vez realizada la conexión, recoja el cable de conexión del mando con el resto de los cables de conexión del equipo de audio mediante el fijador de cables ⑩. Como muestra la ilustración, procure dejar un espacio en el cable de conexión entre el enchufe y el fijador de cables.

Anslutning

Säkerhetsföreskrifter

- Denna bilstereo är endast avsedd för anslutning till ett negativt jordat, 12 V bilbatteri.
- Var noga med att inga kablar kläms mellan någon skruv eller att de blir klämda mellan rörliga delar som tex. bilsätet.
- Anslut strömkabeln ② till enheten och högtalarna innan du ansluter den till den yttre strömanslutningen.
- **Dra samtliga jordledningar till en och samma jordningspunkt.**
- Anslut den gula kabeln till en ledig bilkrets med ett högre amperetal än enhetens. Om du kopplar både denna enhet och andra stereokomponenter till en och samma bilkrets, måste den bilkrets de kopplas till ha en högre amperé än summan av de enskilda delarnas amperestyrka. Om det inte finns några bilkretsar med en så hög amperestyrka som enhetens ska du ansluta enheten direkt till batteriet. Om inga bilkretsar finns för anslutning till enheten ska du ansluta enheten till en bilkrets med ett högre amperetal än enhetens säkring, så att det är denna som går i stället för bilens.

Var försiktig när du gör installationen i en bil där tändningslåset saknar tillbehörsåläge (ACC)

Glöm inte att trycka på **OFF** på enheten under två sekunder för att stanga av klockans teckenfönster efter det att du har stängt av motorn. Om du bara trycker på **OFF** ett kort ögonblick slöcknar inte klockans teckenfönster vilket kan leda till att batteriet laddas ur.

Att observera angående anslutningsexemplet

Att observera angående de olika styrkablarna

- Motorantennens styrkabel (blå) leder + 12 V likström när kanalväljaren slås på eller när radiomottagningsautomatik ATA, mottagning av alternativ frekvenser AF eller mottagning av trafikmeddelanden TA aktiverats.
- En motorantenn utan styrelåda ska inte anslutas till denna bilstereo.
- Om bilen har en FM/MW/LW-antenn som är inbyggd i sido- eller bakrutan, måste du ansluta motorantennens styrkabel (blå) eller tillbehörströmkabeln (röd) till strömterminalen på antennförstärkaren. Din återförsäljare kan ge dig mer information.

Varning

Om du har en motorantenn utan relåda kan antennen skadas om du ansluter enheten med den medföljande strömkabeln ②.

Anslutning för minneslåd

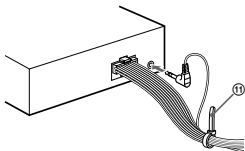
När du anslutit den gula, ingående strömkabeln försörjs minneskretsen med ström hela tiden, även när tändlåset slås ifrån.

Att observera angående högtalarnas anslutning

- Slå av bilstereo innan du ansluter högtalarna.
- Anslut endast högtalare, vars impedans varierar från 4 till 8 ohm och som har tillräcklig effekthanteringskapacitet för att skydda högtalarna mot skador.
- Anslut inte något av högtalaruttagen till bilens chassi. Anslut inte heller uttagen på höger högtalare till uttagen på vänster högtalare.
- Anslut inte högtalarna parallellt.
- Anslut inte aktiva högtalare (med inbyggda slutsteg) till bilstereons högtalaruttag, eftersom de kan skada de aktiva högtalarna. Var noga med att bara ansluta passiva högtalare till dessa uttag.

Efter anslutningen

När du är klar fäst du ihop sladden till vridkontrollen och andra sladdar till ljudutrustningen med medföljande krampa ⑩. Se till så att sladdarna mellan kontakten och fästånordningen inte blir för hårt spända, se bilden.



Ligações

Cuidado

- Este aparelho foi concebido para funcionar somente com corrente contínua de 12 V com negativo à massa.
- Tenha cuidado para que os fios não fiquem entalados entre os parafusos e a carroceria do automóvel ou a caixa do aparelho, nem entre as peças móveis, por exemplo, as calhas dos bancos, etc.
- Ligue o cabo de alimentação de corrente ② ao aparelho e aos alifalantes antes de o ligar ao conector de corrente auxiliar.
- **Ligue todos os cabos de massa num ponto de massa comum.**
- Ligue o cabo amarelo a um circuito eléctrico livre do automóvel, cuja potência nominal seja superior à dos fusíveis do aparelho. Se ligar este aparelho em série com outros componentes estéreo, a potência nominal do circuito eléctrico do automóvel onde os ligar tem de ser superior à soma da potência nominal dos fusíveis de todos os componentes individuais. Se não houver nenhum circuito eléctrico do automóvel com uma potência nominal tão elevada como a dos fusíveis do aparelho, ligue-o directamente à bateria. Se não estiver disponível nenhum circuito eléctrico do automóvel para ligação deste aparelho, ligue-o a um circuito eléctrico do automóvel com uma potência nominal superior à dos fusíveis do aparelho, de tal modo que, se o aparelho reventar os fusíveis respectivos, nenhum outro circuito seja cortado.

Aviso sobre a instalação num automóvel sem posição ACC (acessórios) na chave de ignição

Verifique se carregou em **OFF** no aparelho durante dois segundos para desactivar o visor do relógio depois de ter desligado o motor. Se carregar ligeiramente em **OFF**, não desactiva o visor do relógio o que provoca o desgaste da bateria.

Notas sobre o exemplo de ligação

Notas sobre os fios de controlo

- O fio de controlo da antena eléctrica (azul) fornece +12 V CC quando ligar o sintonizador ou quando activar as funções ATA (Activação automática do sintonizador), AF (frequência alternativa) ou TA (Informações de trânsito).
- Não pode utilizar uma antena eléctrica sem caixa de relé com este aparelho.
- Se o seu automóvel tiver uma antena de FM/MW/LW montada no vidro traseiro/lateral, tem de ligar o fio de controlo da antena eléctrica (azul) ou o fio de entrada de alimentação para os acessórios (vermelho) ao terminal de alimentação do intensificador do sinal da antena existente.

Advertência

Se a antena eléctrica não tiver uma caixa de relé, o facto de ligar este aparelho com o cabo de alimentação ② fornecido, pode provocar danos na antena.

Ligação para alimentação contínua da memória
Quando o fio amarelo de entrada de alimentação for ligado, os circuitos de memória ficarão com alimentação contínua, mesmo se a chave de ignição estiver desligada.

Notas sobre a ligação dos alifalantes

- Antes de ligar os alifalantes, desligue o aparelho.
- Utilize alifalantes com impedância de 4 a 8 ohm, e com potência máxima admissível adequada. Caso contrário, os alifalantes poderão sofrer avarias.
- Não ligue os terminais do sistema de alifalantes ao chassi do automóvel, e não ligue os terminais do alifalante direito aos terminais do alifalante esquerdo.
- Não tente ligar os alifalantes em paralelo.
- Não ligue nenhum sistema de alifalantes activos (com amplificadores incorporados) aos terminais dos alifalantes do aparelho. Caso o faça, poderá avariar o sistema de alifalantes activos. Portanto, não se esqueça de ligar alifalantes passivos a estes terminais.

Depois de efectuar a ligação

Depois de ter efectuado a ligação, ate o cabo de ligação do comando aos outros cabos de ligação do equipamento audio mediante a utilização da braçadeira ⑩ fornecida. Deixe alguma folga no cabo de ligação entre a ficha e a braçadeira, conforme a ilustração.

(XR-C7500R/XR-C7500RX: AEP, UK)

Connection example

^{s1} Note for the aerial connecting
If your car aerial is an ISO (International Organisation for Standardisation) type, use the supplied adaptor [®] to connect it.
First connect the car aerial to the supplied adaptor, then connect it to the aerial jack of the master unit.
^{s2} RCA pin cord (not supplied)

Ejemplo de conexiones

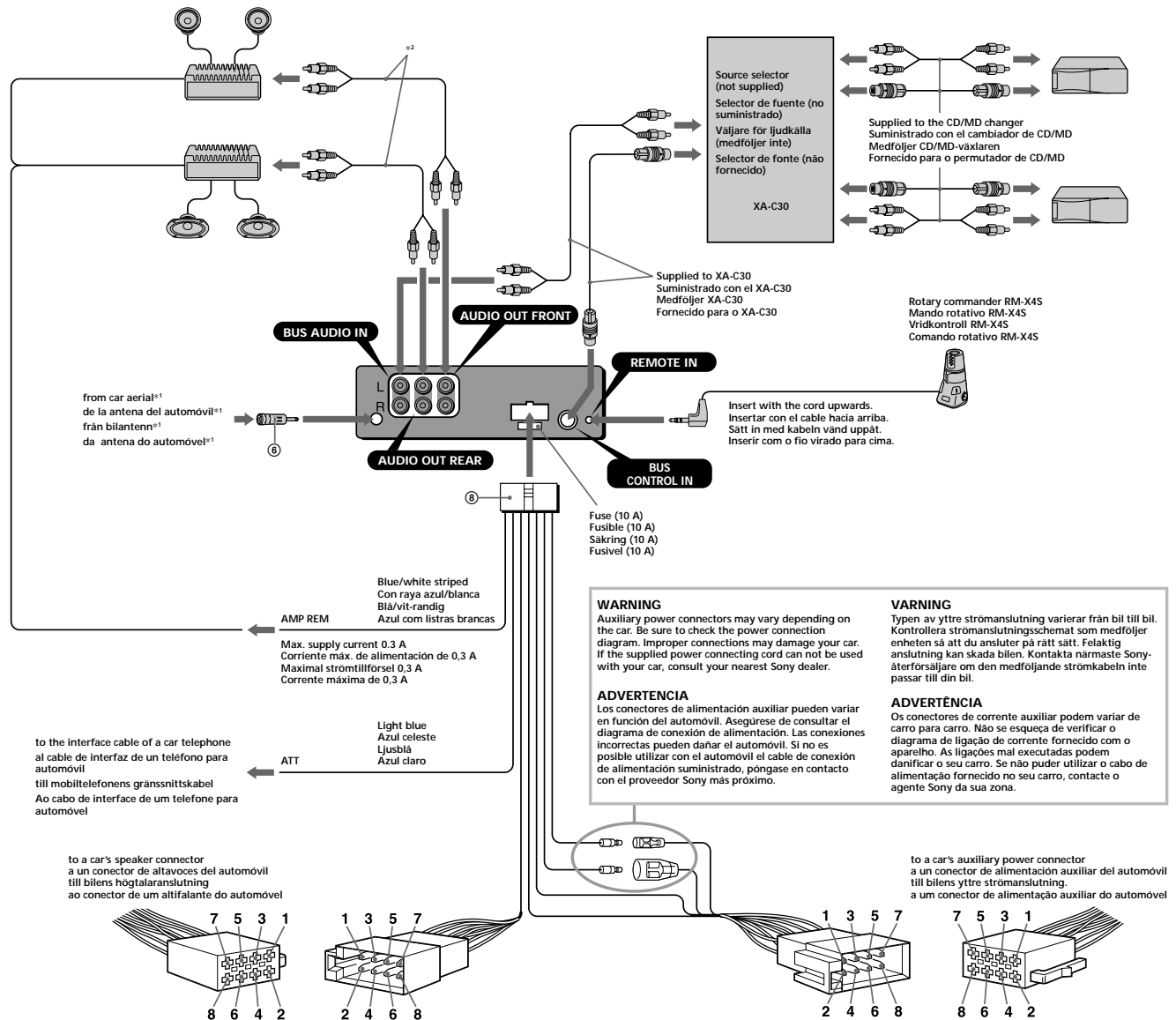
^{s1} Nota sobre la conexión de la antena
Si la antena del automóvil es del tipo ISO (International Organization for Standardization), använder du medföljande adapter [®] för att ansluta den.
Anslut först motorantennen till medföljande adapter och därefter till antennuttaget på huvudenheten.
^{s2} Kabel med klavjäs RCA (no suministrado)

Anslutningarna enligt exemplet

^{s1} Angående antennanslutning
Om motorantennen är av ISO-typ (International Organization for Standardization), använder du medföljande adapter [®] för att ansluta den.
Anslut först motorantennen till medföljande adapter och därefter till antennuttaget på huvudenheten.
^{s2} Kabel med RCA-kontakter (medföljer inte)

Exemplo de ligações

^{s1} Nota referente à ligação da antena
Se a antena do automóvel for uma antena de tipo ISO (International Organization for Standardization), utilize o adaptador fornecido [®] para fazer a ligação respectiva.
Ligue primeiro a antena do automóvel ao adaptador fornecido e depois à tomada de antena do sistema principal.
^{s2} Cabo de terminais RCA (não fornecido)



WARNING
Auxiliary power connectors may vary depending on the car. Be sure to check the power connection diagram. Improper connections may damage your car. If the supplied power connecting cord can not be used with your car, consult your nearest Sony dealer.

ADVERTENCIA
Los conectores de alimentación auxiliar pueden variar en función del automóvil. Asegúrese de consultar el diagrama de conexión de alimentación. Las conexiones incorrectas pueden dañar el automóvil. Si no es posible utilizar con el automóvil el cable de conexión de alimentación suministrado, póngase en contacto con el proveedor Sony más próximo.

WARNING
Typen av yttre strömanslutning varierar från bil till bil. Kontrollera strömanslutningsschemat som medföljer enheten så att du ansluter på rätt sätt. Felaktig anslutning kan skada bilen. Kontakta närmaste Sony-återförsäljare om den medföljande strömkabeln inte passar till din bil.

ADVERTÊNCIA
Os conectores de corrente auxiliar podem variar de carro para carro. Não se esqueça de verificar o diagrama de ligação de corrente fornecido com o aparelho. As ligações mal executadas podem danificar o seu carro. Se não puder utilizar o cabo de alimentação fornecido no seu carro, contacte o agente Sony da sua zona.

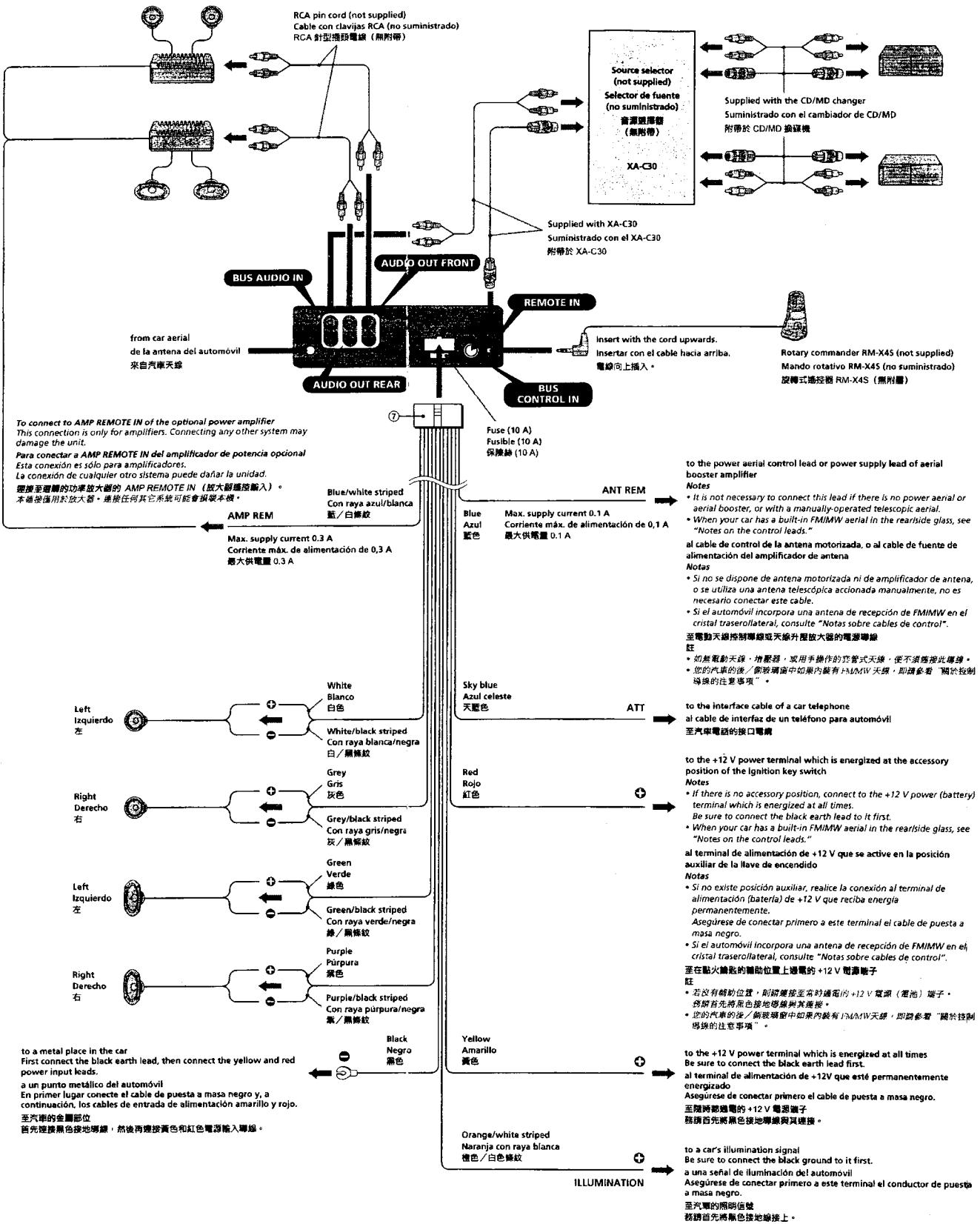
1	Purple Púrpura Violetto Violeta	+	Speaker, Rear, Right Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito	5	White Blanco Vit Branco	+	Speaker, Front, Left Altavoz, parte frontal, izquierdo Högtalare, framre, vänster Altifalante, Parte da frente, Esquerdo
2		-	Speaker, Rear, Right Altavoz, parte posterior, derecho Högtalare, bakre, höger Altifalante, Parte de trás, Direito	6		-	Speaker, Front, Left Altavoz, parte frontal, izquierdo Högtalare, framre, vänster Altifalante, Parte da frente, Esquerdo
3	Grey Gris Grá Cinzento	+	Speaker, Front, Right Altavoz, parte frontal, derecho Högtalare, framre, höger Altifalante, Parte da frente, Direito	7	Green Verde Grön Verde	+	Speaker, Rear, Left Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo
4		-	Speaker, Front, Right Altavoz, parte frontal, derecho Högtalare, framre, höger Altifalante, Parte da frente, Direito	8		-	Speaker, Rear, Left Altavoz, parte posterior, izquierdo Högtalare, bakre, vänster Altifalante, Parte de trás, Esquerdo

Negative polarity positions 2, 4, 6, and 8 have striped cords.
Las posiciones de polaridad negativa 2, 4, 6 y 8 tienen cables con raya.
De negativa polpositionerna 2, 4, 6 och 8 har randiga kablar.
As posições 2, 4, 6 e 8 (polaridade negativa) têm cabos às riscas.

4	Yellow Amarillo Gul Amarelo	continuous power supply suministro de alimentación continua kontinuerlig strömforsörjning alimentação de corrente continua	7	Red Rojo Ród Vermelho	switched power supply suministro conmutado de alimentación switchad strömforsörjning alimentação de corrente comutada
5	Blue Azul Bla Azul	power aerial control control de antena motorizada styrning av motorantenn antena eléctrica	8	Black Negro Svart Preto	earth toma de tierra jord Terra
6	Orange/ White Naranja/ blanco Orange/vit Cor de laranja/ branco	switched illumination power supply fuente de alimentación de iluminación conmutada Switchad strömforsörjning till belysning fonte de alimentação comutada para iluminação	Positions 1, 2 and 3 do not have pins. Las posiciones 1, 2 y 3 no disponen de terminales. Positionerna 1, 2 och 3 saknar stift. As posições 1, 2 e 3 não têm terminais.		

(XR-C7500RX: E)

**Connection example
Ejemplo de conexiones
線路連接圖例**



Power connection diagram

Auxiliary power connector may vary depending on the car. Check your car's auxiliary power connector diagram to make sure the connections match correctly. There are three basic types (illustrated below). You may need to switch the positions of the red and yellow leads in the car stereo's power connecting cord.

After matching the connections and switched power supply leads correctly, connect the unit to the car's power supply. If you have any questions and problems connecting your unit that are not covered in this manual, please consult the car dealer.

Diagrama de conexión de alimentación

El conector de alimentación auxiliar puede variar en función del automóvil. Compruebe el diagrama del conector de alimentación auxiliar del automóvil para asegurarse de que las conexiones coincidan correctamente. Existen tres tipos básicos, ilustrados a continuación. Es posible que sea necesario cambiar las posiciones de los cables rojo y amarillo del cable de conexión de alimentación del sistema estéreo del automóvil.

Después de hacer coincidir correctamente las conexiones y los cables de alimentación de alimentación, conecte la unidad al suministro de alimentación del automóvil. Si desea realizar alguna consulta o solucionar algún problema referentes a la conexión de la unidad que no aparezcan en este manual, consulte con el concesionario automovilístico.

Strömanslutningsschema

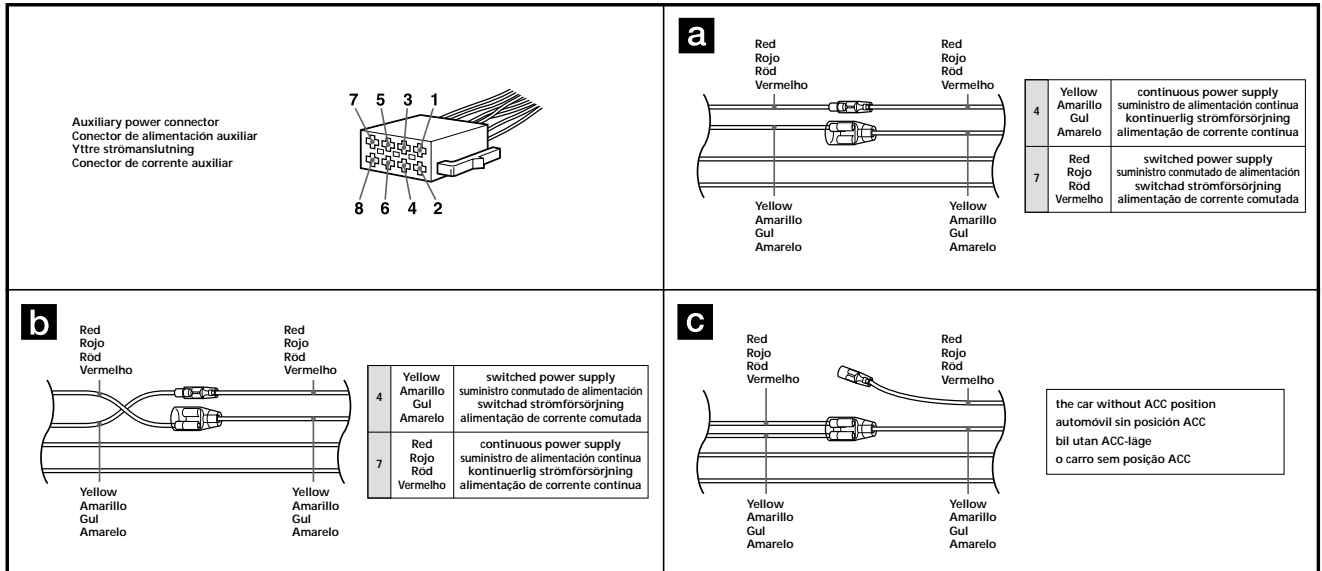
Typen av yttre strömanslutning varierar från bil till bil. Kontrollera schemat till strömanslutningen så att du ansluter på rätt sätt. Det finns tre grundläggande anslutningstyper (visas nedan). Du kan behöva skifta plats på bilsterens röda och gula strömförsörjningskablar.

Koppla kablarna för kontinuerlig respektive switchad strömförsörjning på rätt sätt och anslut sedan enheten till bilens strömanslutning. Om du får problem eller har frågor som inte besvaras i den här bruksanvisningen kan du kontakta bilutförsäljaren.

Diagrama de ligação de corrente

O conector auxiliar de corrente pode variar de carro para carro. Verifique o diagrama do conector auxiliar de corrente para se certificar de que as ligações estão bem feitas. Existem três tipos de conectores (ilustrados abaixo).

Depois de fazer a correspondência entre as ligações e os terminais de alimentação de corrente comutada, ligue o aparelho à fonte de alimentação do carro. Se tiver alguma dúvida ou problema relacionado com o aparelho que não esteja incluído neste manual, consulte o concessionário.

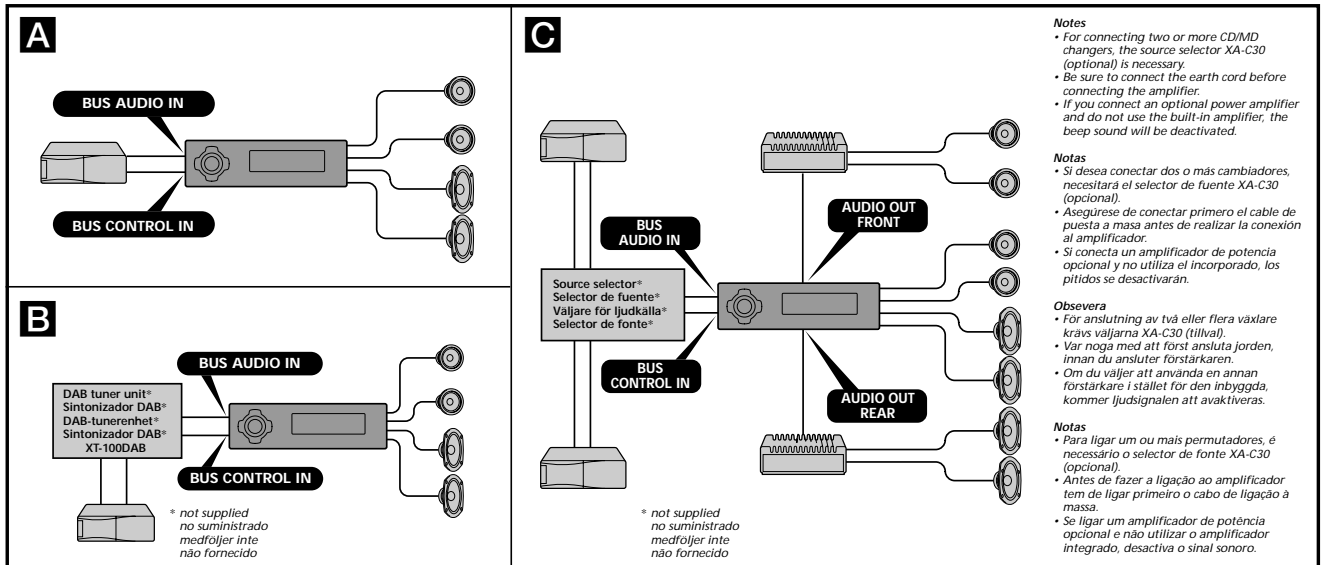


Connection diagram

Diagrama de conexiones

Kopplingschema

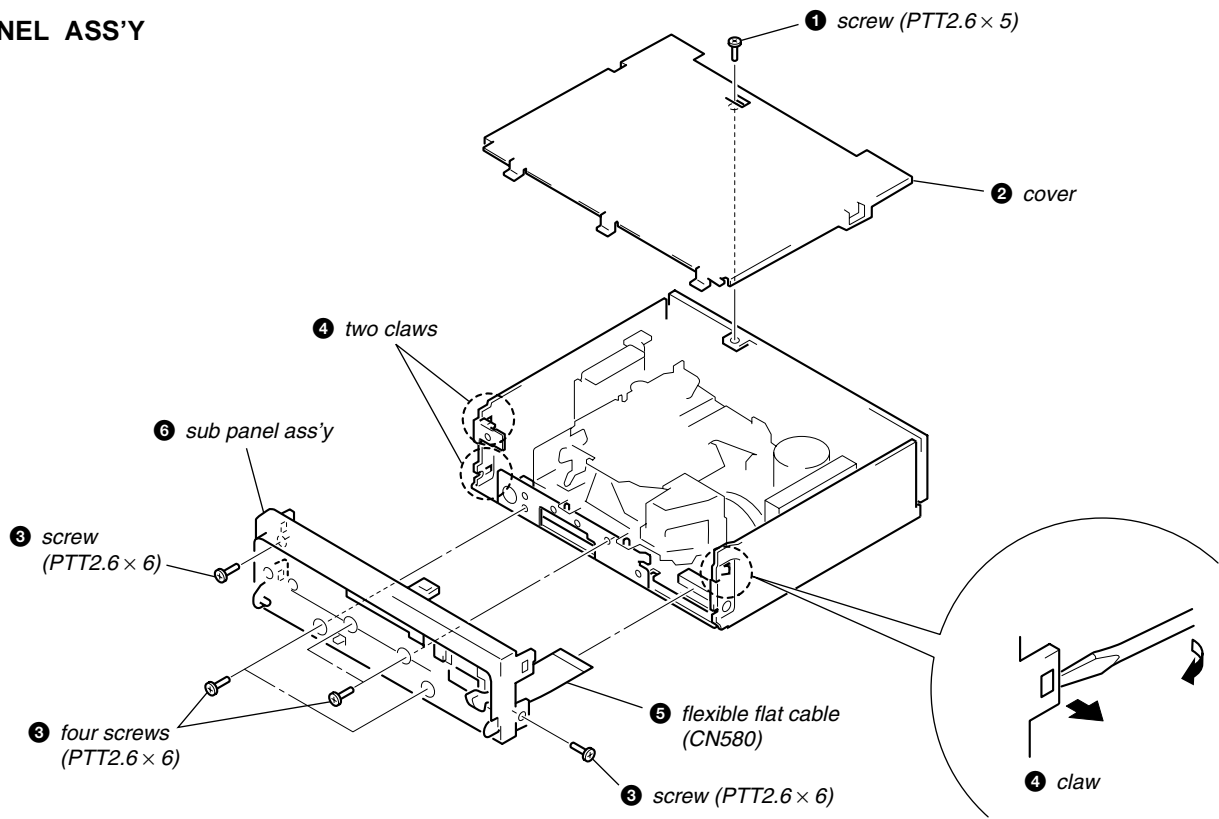
Diagrama de ligações



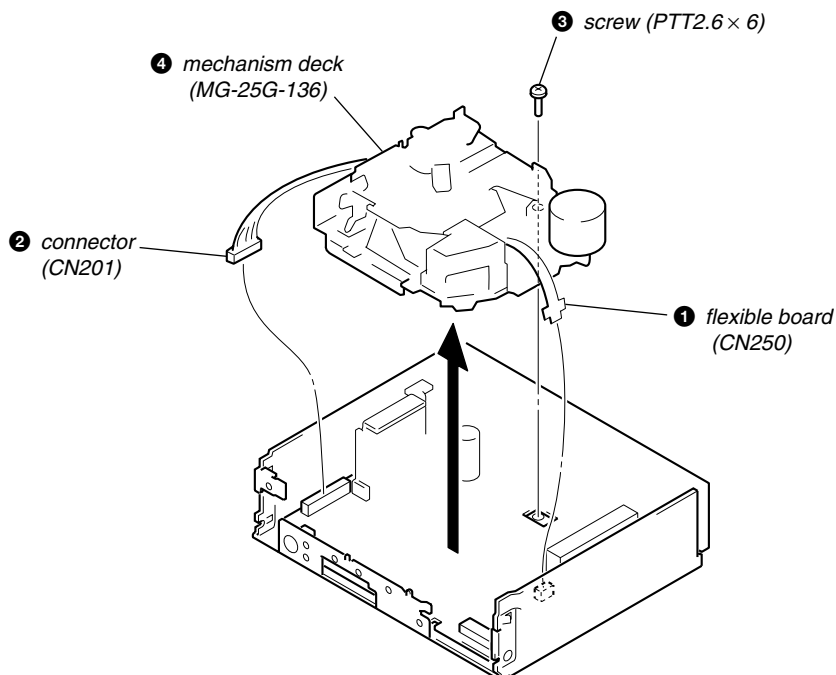
SECTION 3 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

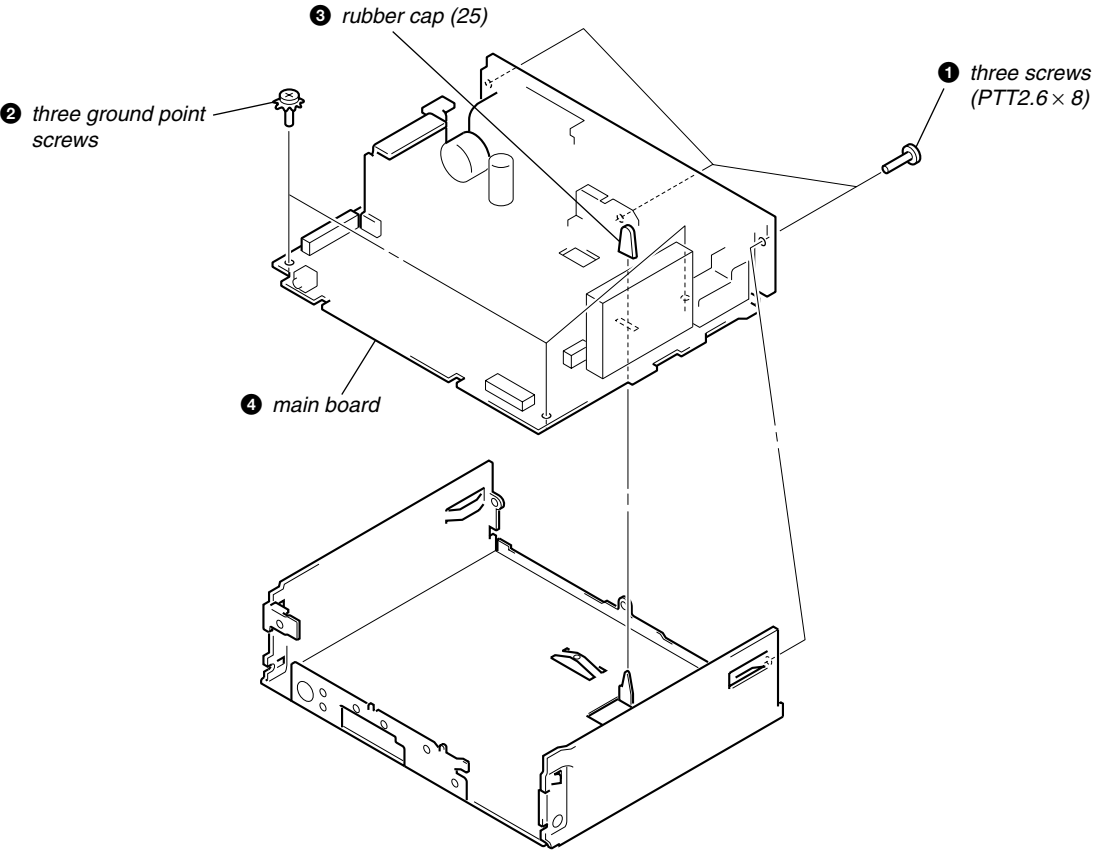
SUB PANEL ASS'Y



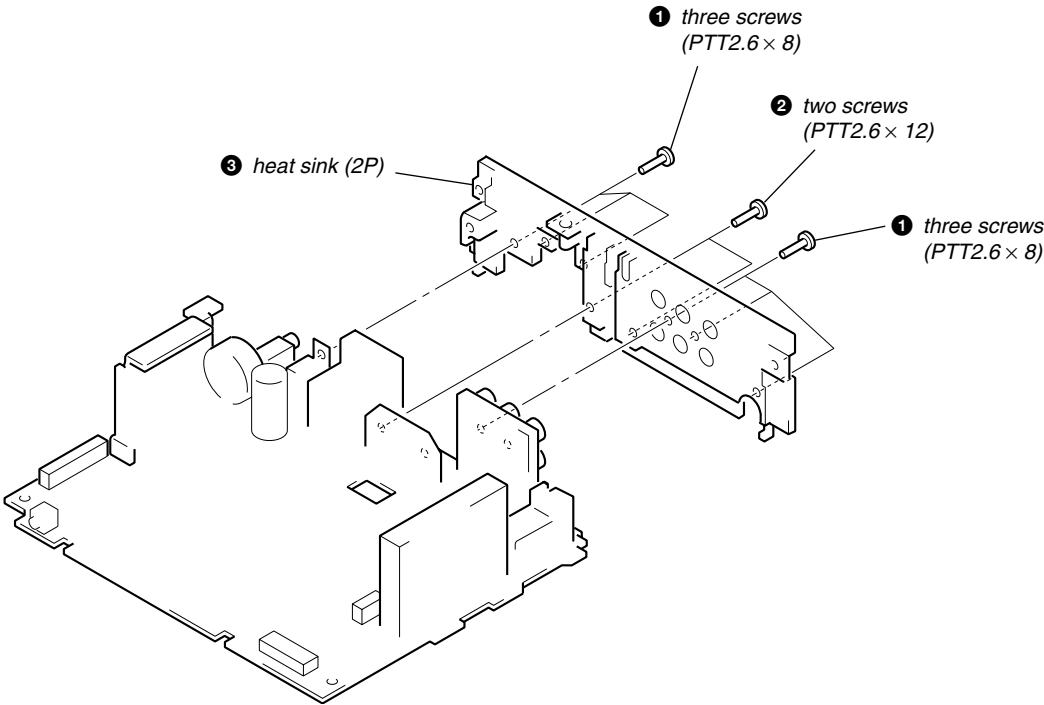
MECHANISM DECK (MG-25G-136)



MAIN BOARD



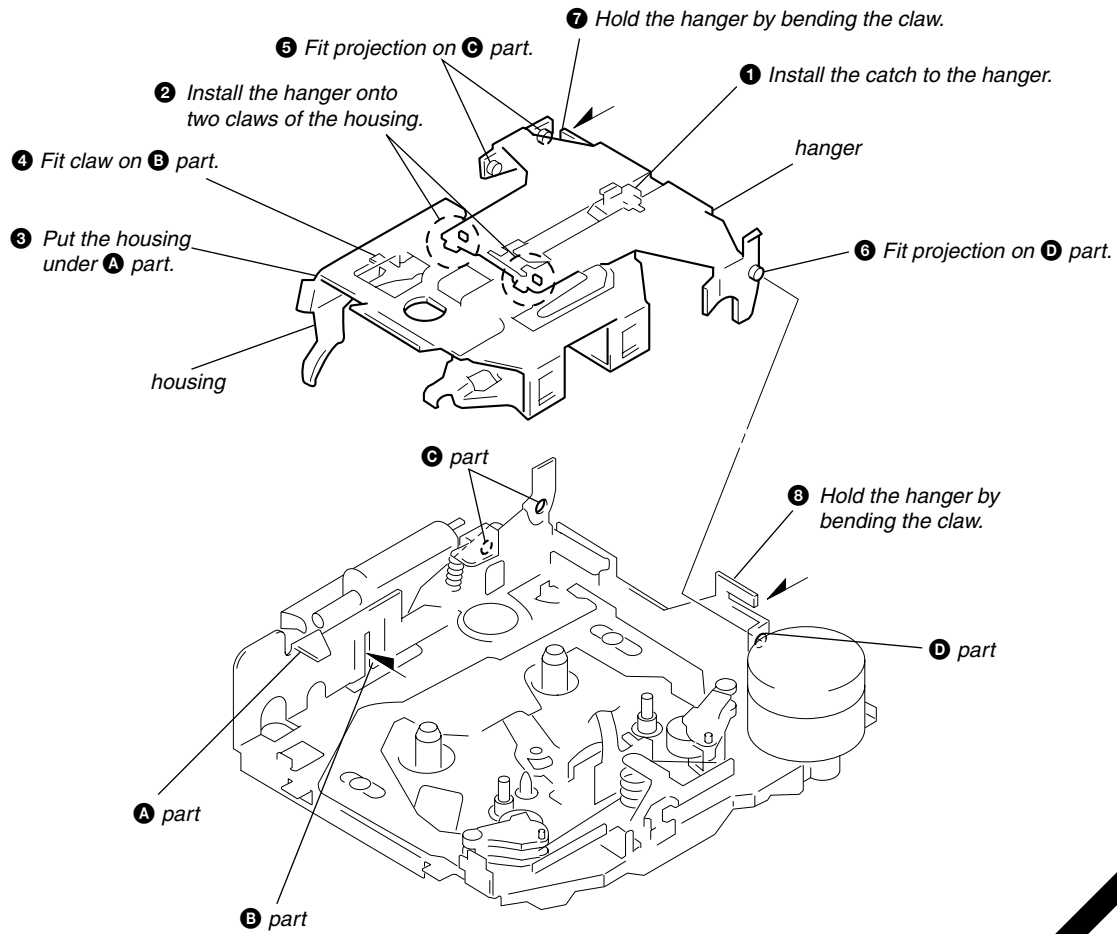
HEAT SINK (2P)



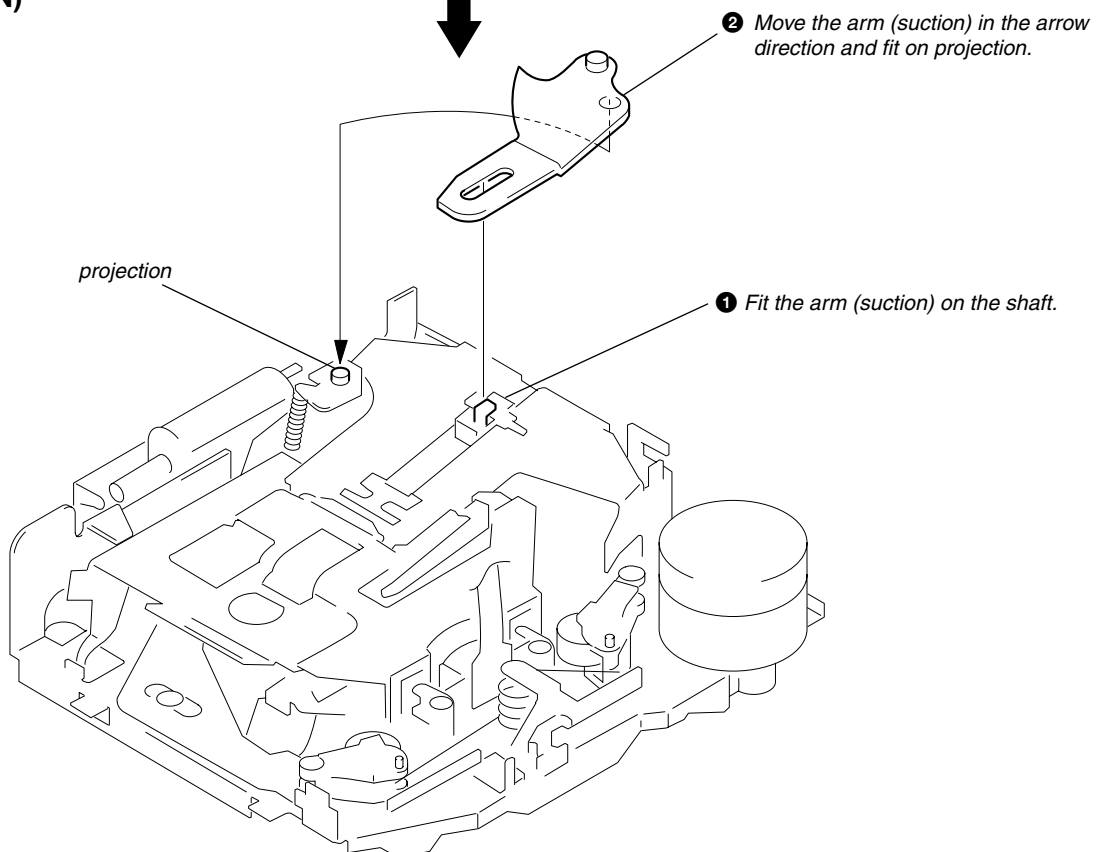
SECTION 4 ASSEMBLY OF MECHANISM DECK

Note: Follow the assembly procedure in the numerical order given.

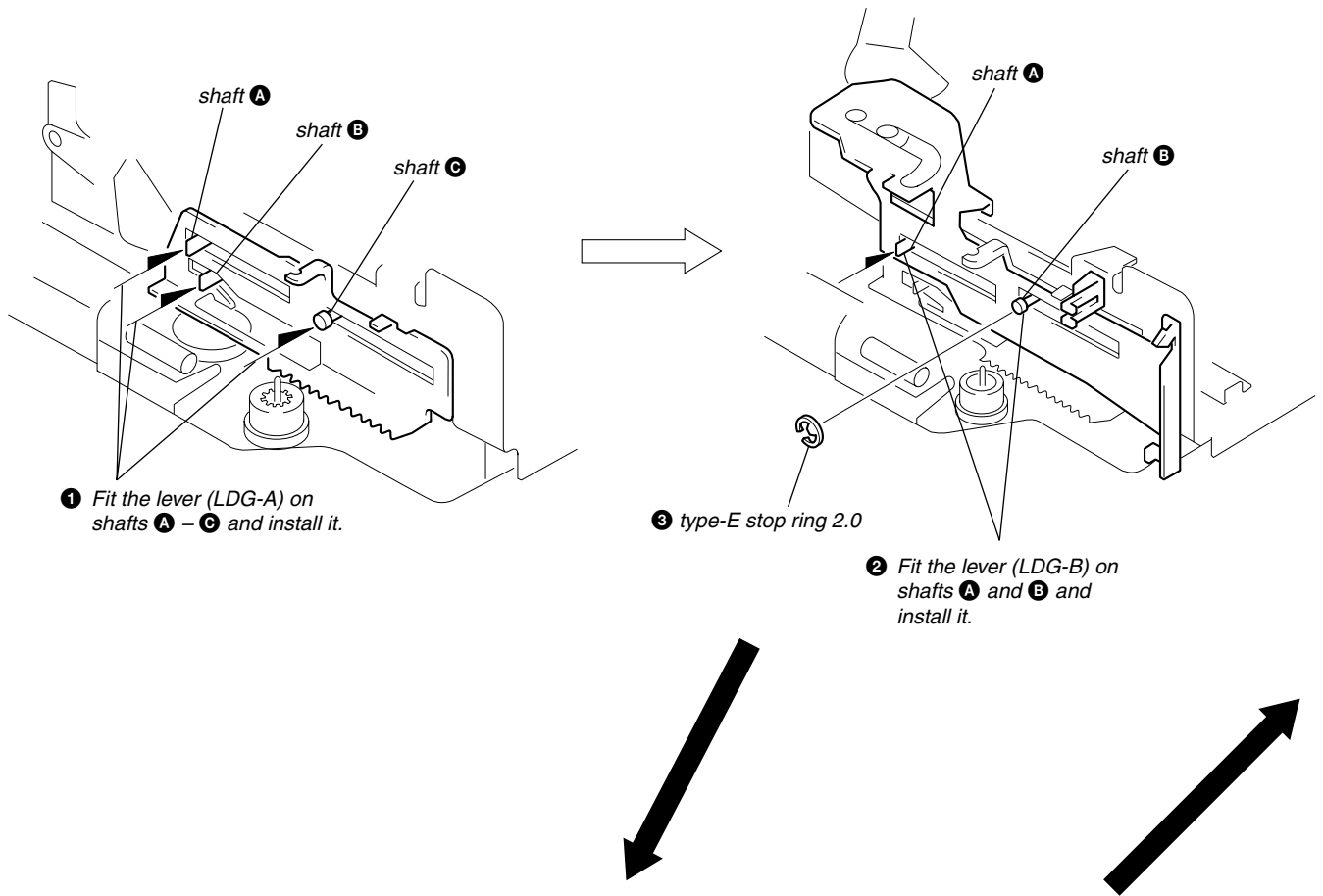
HOUSING



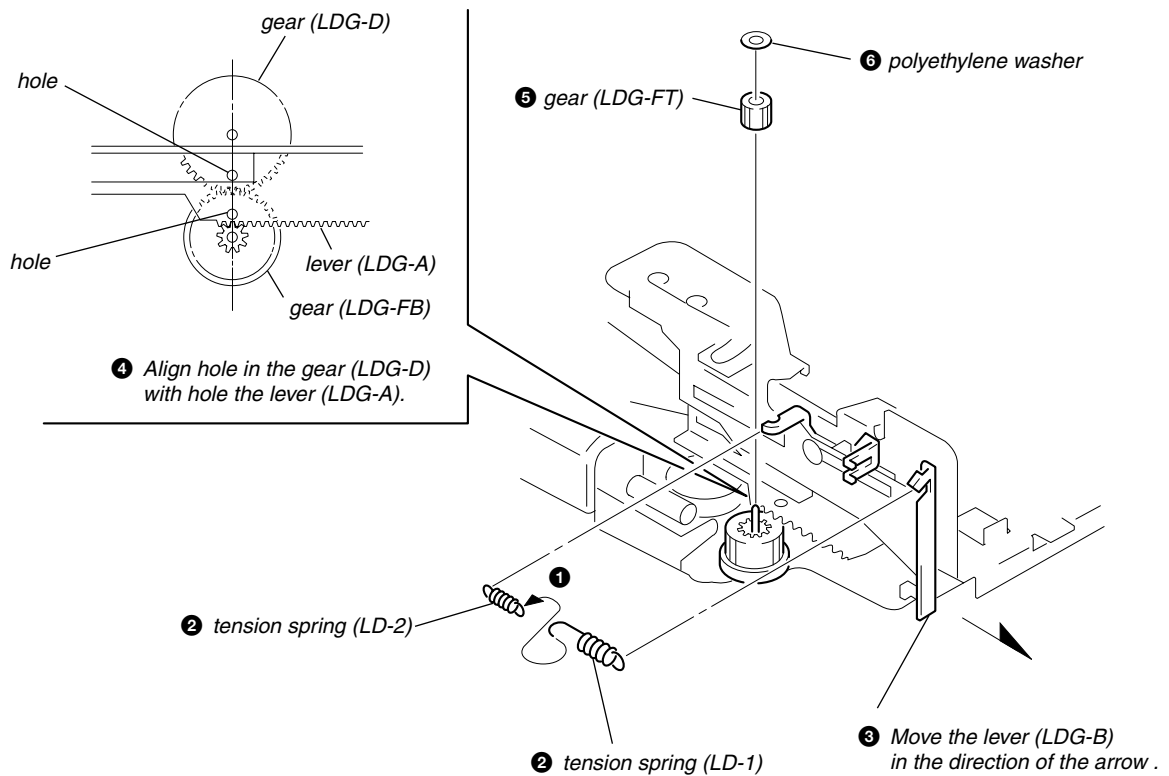
ARM (SUCTION)



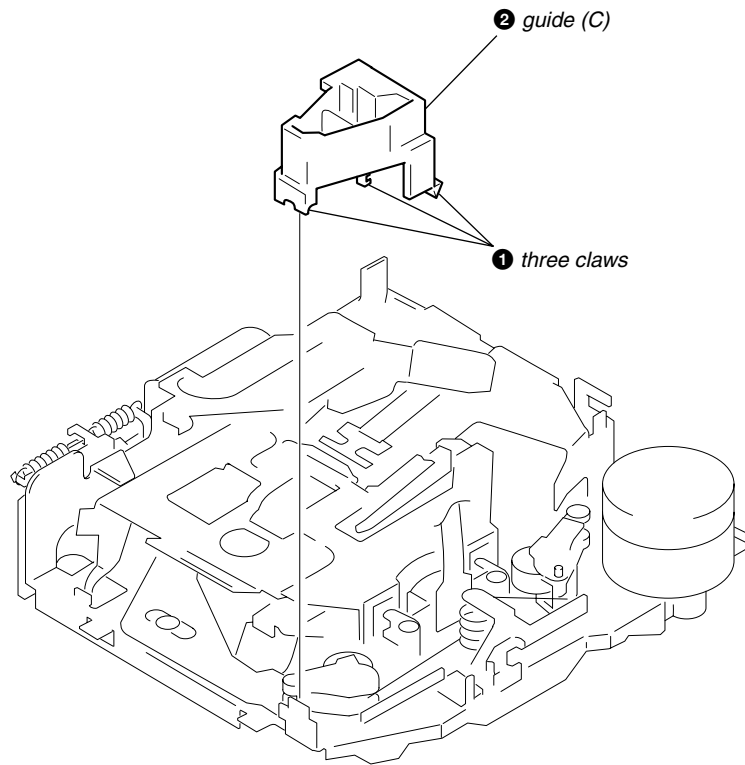
LEVER (LDG-A) / (LDG-B)



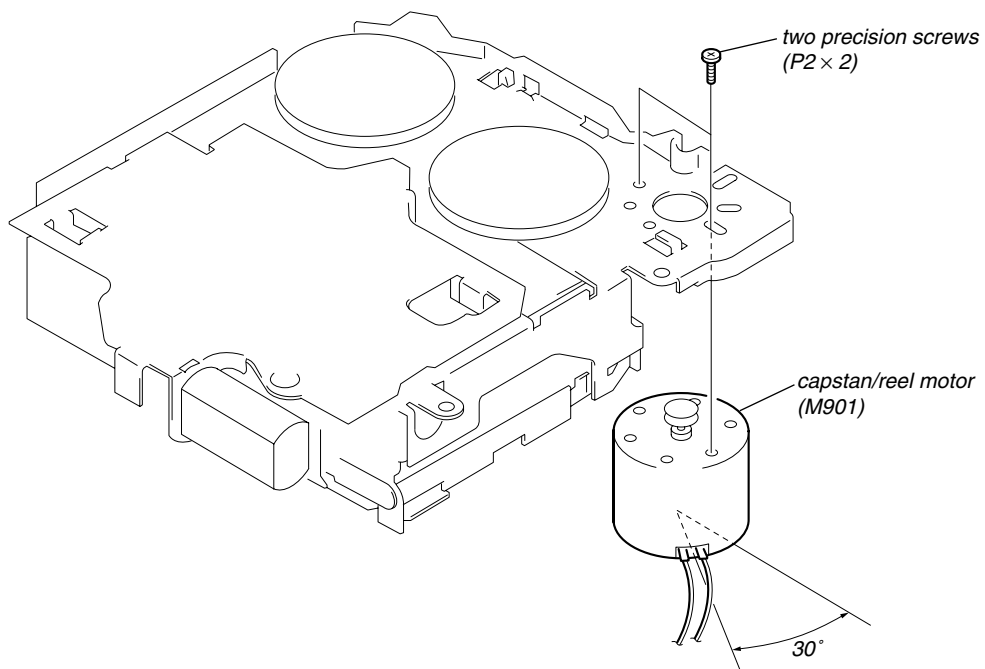
GEAR (LDG-FT)



GUIDE (C)



MOUNTING POSITION OF CAPSTAN/REEL MOTOR (M901)



SECTION 5 MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:

playback head	pinch roller
rubber belt	capstan
idler	
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the power supply voltage unless otherwise noted.

• Torque Measurement

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	2.95 – 6.37 mN•m (30 – 65 g•cm) (0.42 – 0.90 oz•inch)
Forward Back Tension	CQ-102C	0.05 – 0.44 mN•m (0.5 – 4.5g•cm) (0.01 – 0.06 oz•inch)
Reverse	CQ-102RC	2.95 – 6.37 mN•m (30 – 65 g•cm) (0.42 – 0.90 oz•inch)
Reverse Back Tension	CQ-102RC	0.05 – 0.44 mN•m (0.5 – 4.5g•cm) (0.01 – 0.06 oz•inch)
FF, REW	CQ-201B	5.89 – 19.61 mN•m (60 – 200 g•cm) (0.83 – 2.78 oz•inch)

• Tape Tension Measurement

Mode	Tension Meter	Meter Reading
Forward	CQ-403A	more than 8.83 mN•m (more than 90 g) (more than 3.18 oz)
Reverse	CQ-403R	more than 8.83 mN•m (more than 90 g) (more than 3.18 oz)

SECTION 6 ELECTRICAL ADJUSTMENTS

TEST MODE

This set has the test mode function.

<Set the Test Mode>

1. Turn ON the regulated power supply. (The clock is displayed)
Note: Press the button, if the clock is not displayed.
2. Press the preset button.
3. Press the preset button.
4. Press the preset button for more than two seconds.
5. Then the display indicates all lights, the test mode is set.

<Release the Test mode>

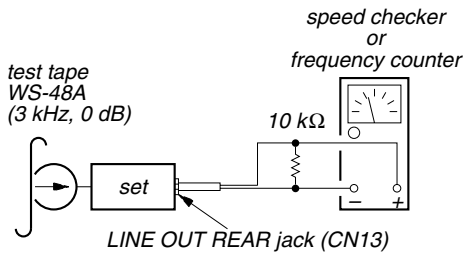
1. Press the button.

TAPE DECK SECTION

0 dB=0.775 V

Tape Speed Adjustment

Setting:



Procedure:

1. Put the set into the FWD PB mode.
2. Adjust adjustment resistor for inside capstan motor so that the reading on the speed checker or frequency counter becomes in specification.

Specification: Constant speed

Speed checker	Frequency counter
-1.5 to +2.5%	2,955 to 3,075 Hz

Dolby Level Adjustment

Setting:

MENU button : ON (light up SET UP and PLAY MODE)

Preset **DISC +**

→ **+▶▶▶▶** (→) buttons : NR off

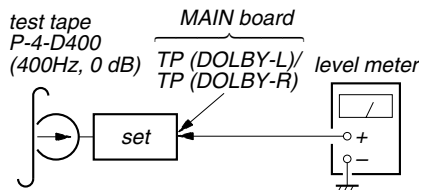
DSO (BAS, TRE) button : off

SOUND (BAL) button : Center

SOUND (FAD (Front)) button : Center

SOUND (FAD (Rear)) button : Center

VOLUME CONTROL dial : Maximum



Procedure:

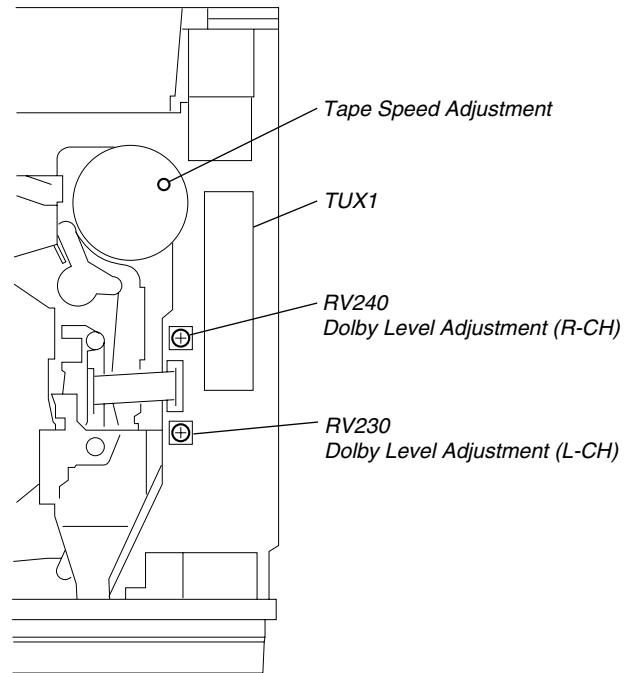
1. Put the set into the FWD PB mode.
2. Adjust RV230 (L-CH) and RV240 (R-CH) so that the level meter reading is -6 ± 0.5 dB (0.37 to 0.41 V).

TUNER SECTION

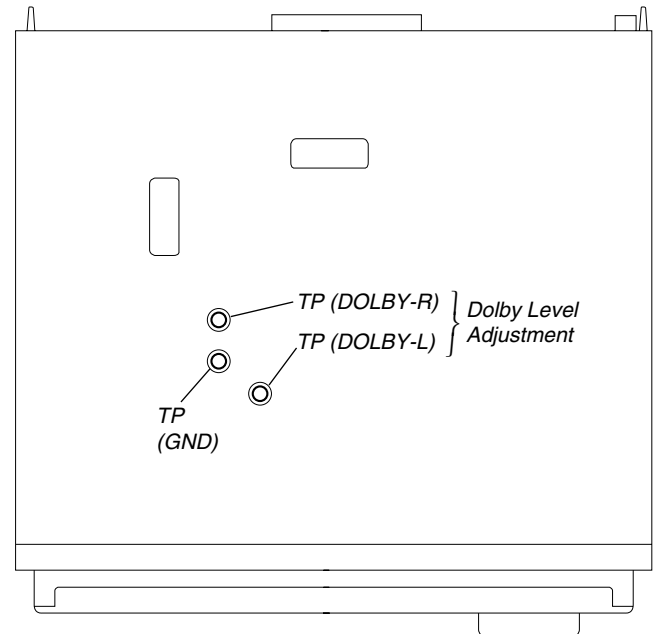
Tuner section adjustments are done automatically in this set.

Adjustment Location:

- SET UPPER VIEW -

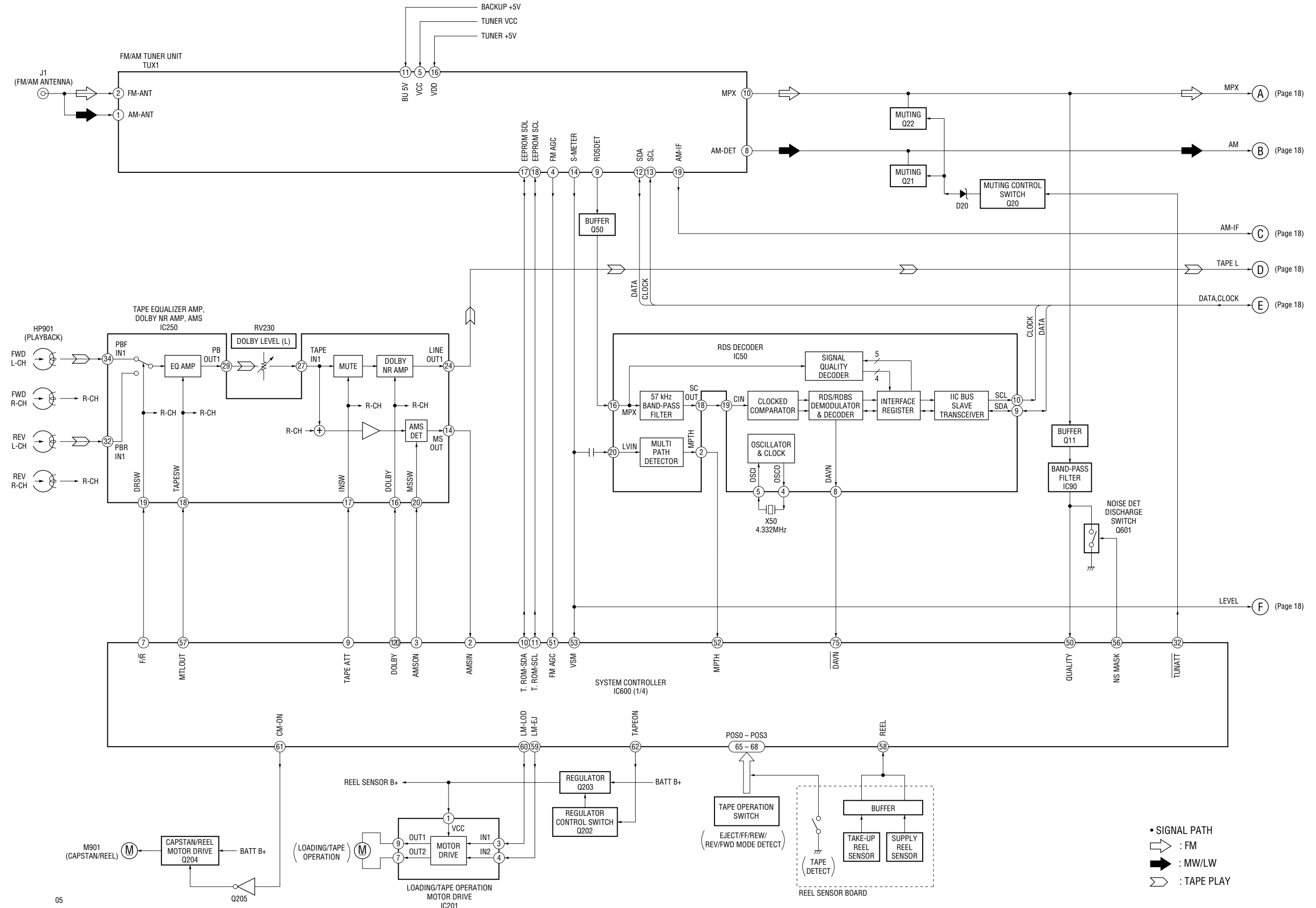


- SET BOTTOM VIEW -



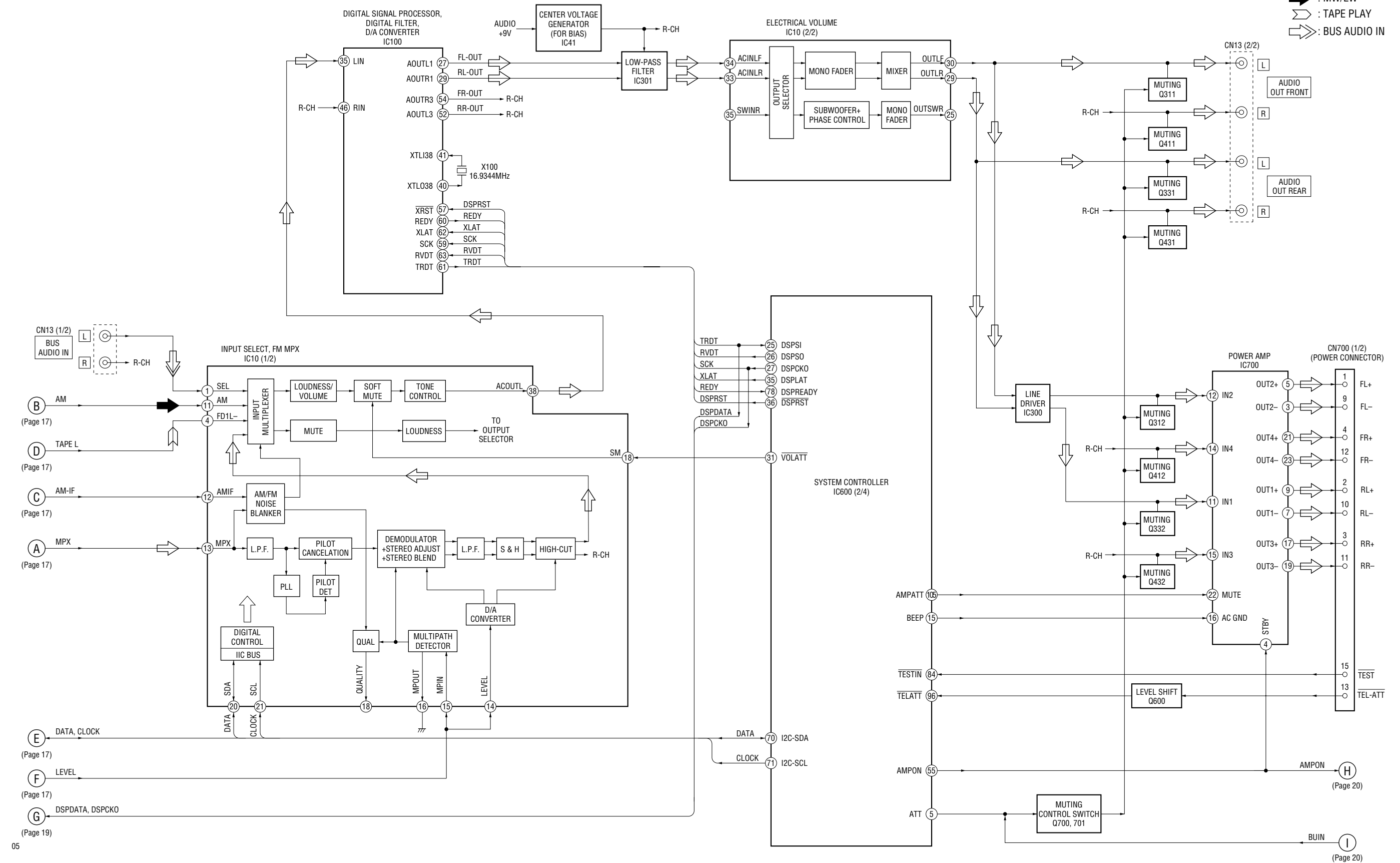
SECTION 7
DIAGRAMS

7-1. BLOCK DIAGRAM – TUNER/TAPE Section –

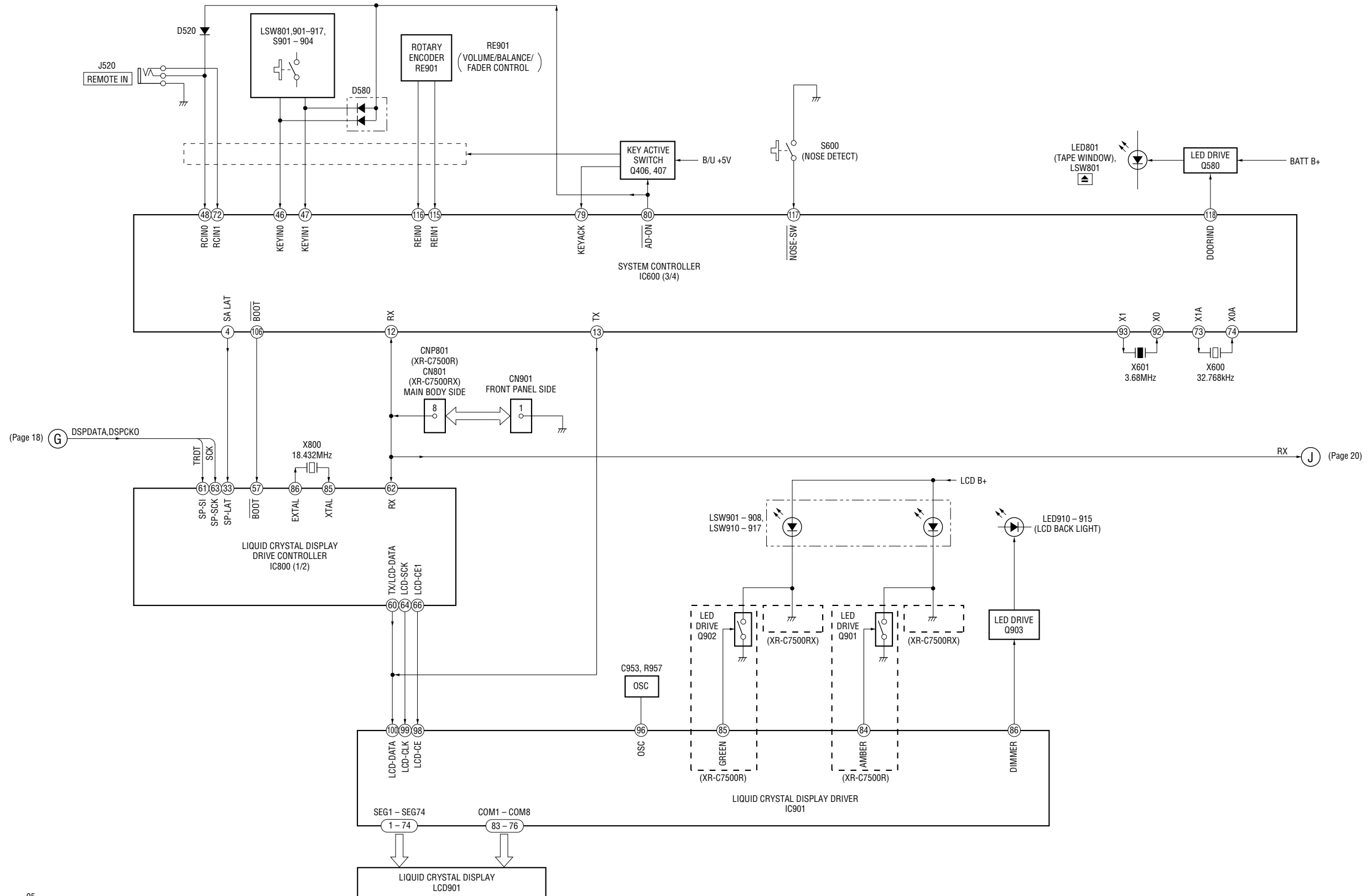


7-2. BLOCK DIAGRAM – MAIN Section –

- SIGNAL PATH
- ⇨ : FM
- ➡ : MW/LW
- ⇨ : TAPE PLAY
- ⇨ : BUS AUDIO IN



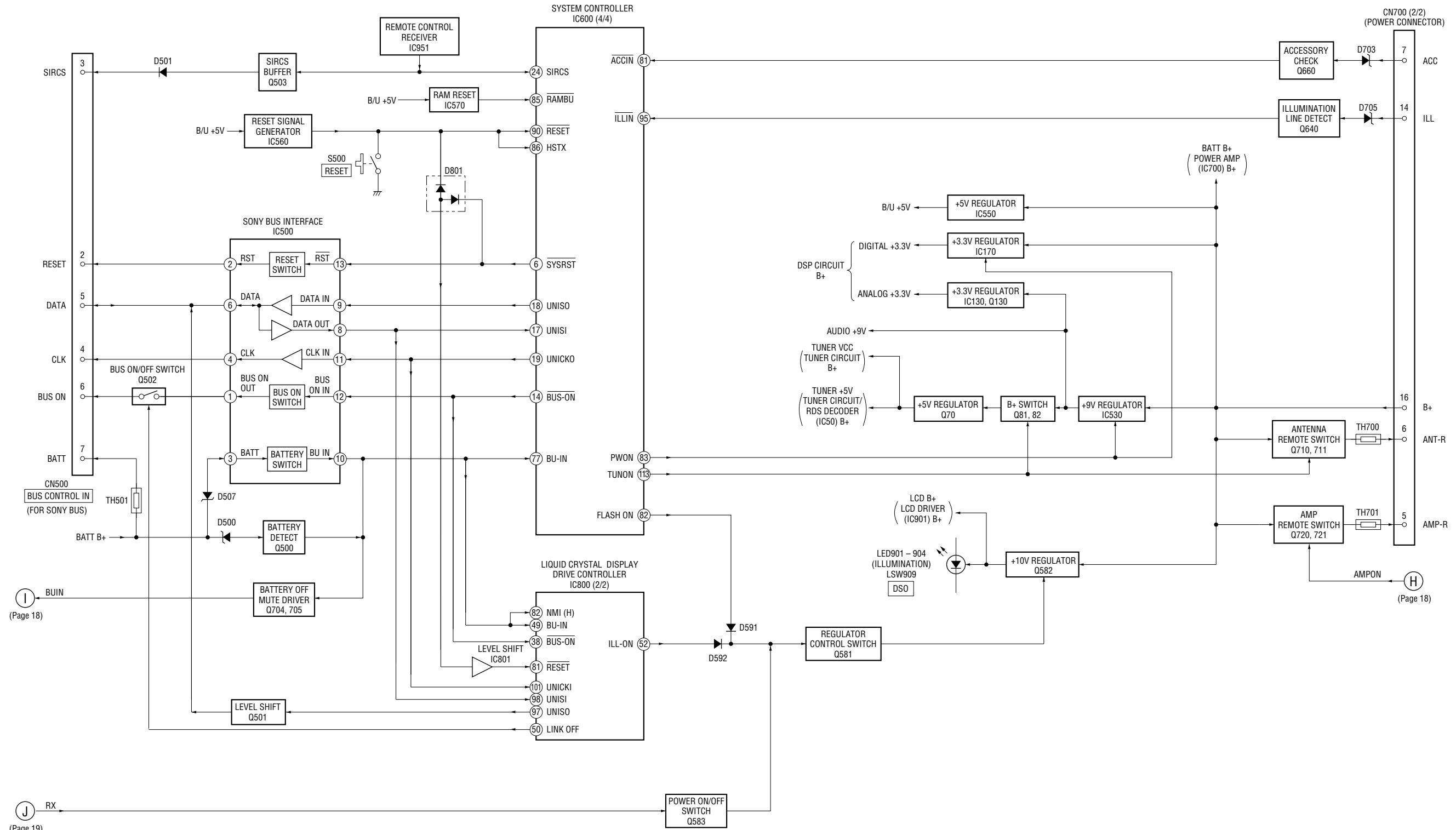
7-3. BLOCK DIAGRAM – DISPLAY/KEY CONTROL Section –



(Page 18) G DSPDATA,DSPCKO

RX J (Page 20)

7-4. BLOCK DIAGRAM – BUS CONTROL/POWER SUPPLY Section –



(Page 18)

(Page 18)

(Page 19)

7-5. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

- : parts extracted from the component side.
 - : parts extracted from the conductor side.
 - ▨ : Pattern from the side which enables seeing.
- (The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

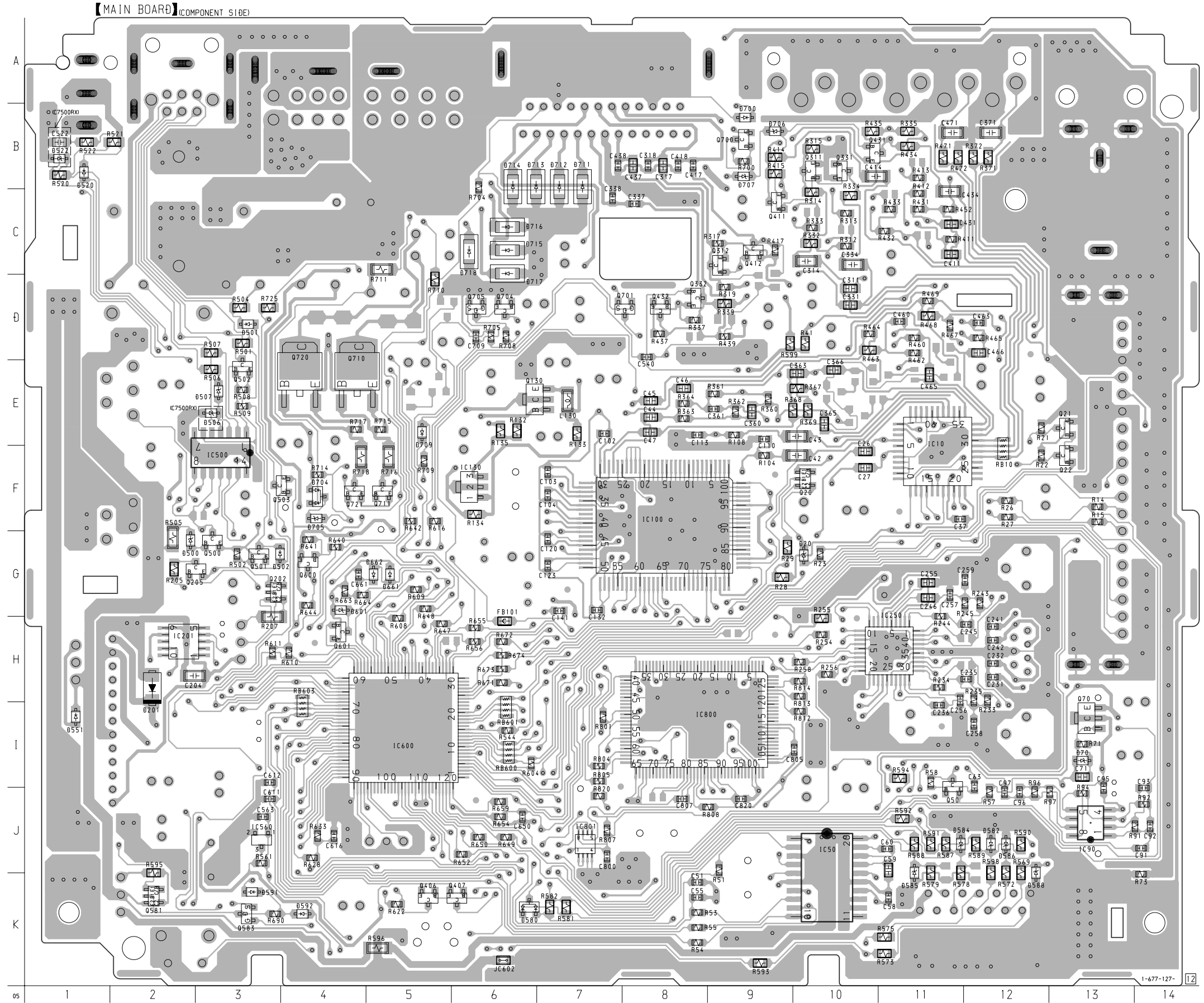
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μpF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- Δ : internal component.
- \square : panel designation.
- \square B+ : B+ Line.
- \square : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - \Rightarrow : FM
 - \Rightarrow : MW/LW
 - \Rightarrow : BUS AUDIO IN
 - \Rightarrow : TAPE PLAY
- Please refer to servicing notes (page 2) for system of TYPE A, B and C.

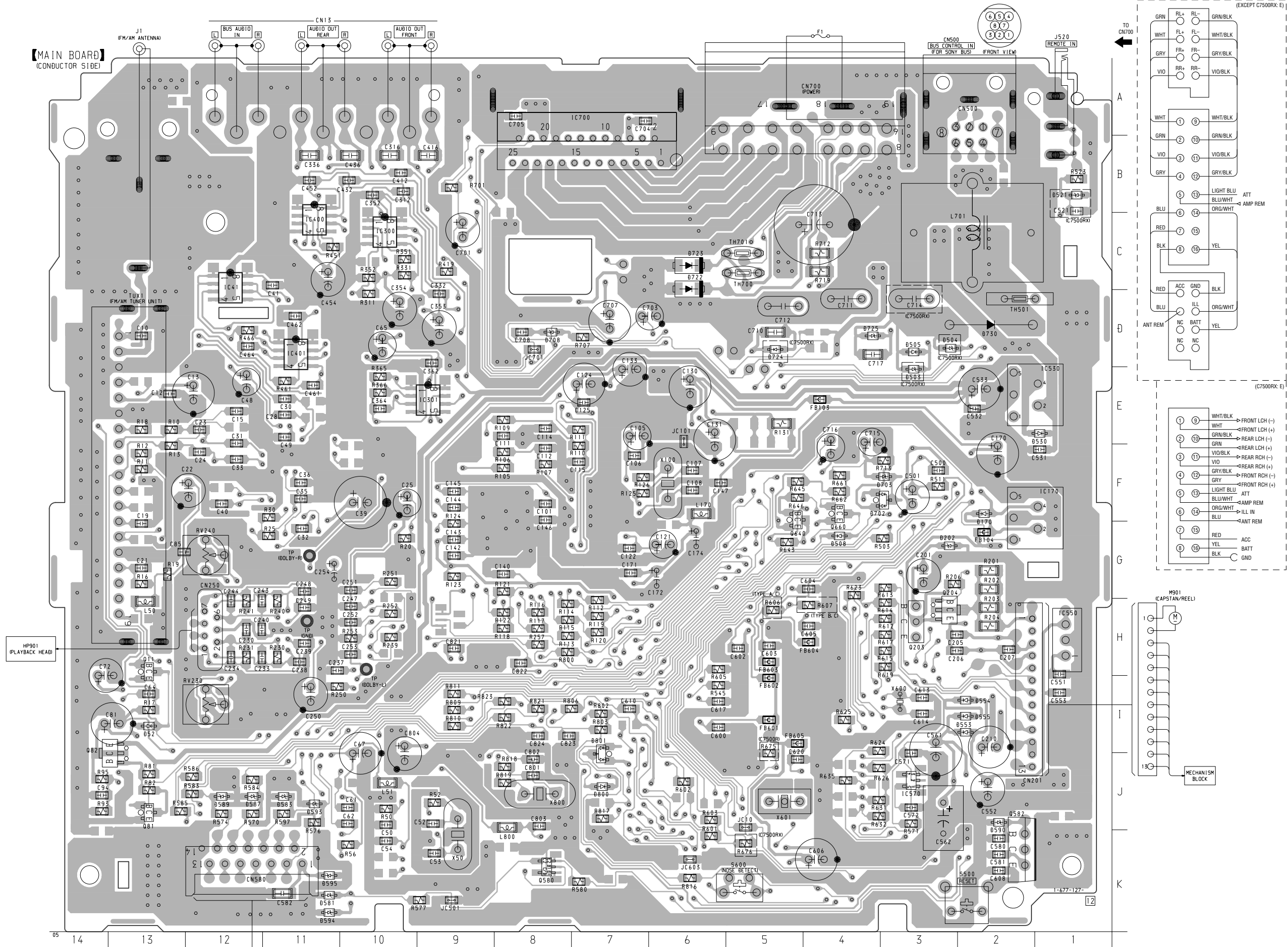
7-6. PRINTED WIRING BOARD – MAIN Board (Component Side) –

• Semiconductor Location (Component Side)

Ref. No.	Location	Ref. No.	Location
D20	G-10	IC201	H-2
D70	I-13	IC250	H-11
D201	H-2	IC500	F-3
D500	G-2	IC560	J-3
D501	D-3	IC600	I-5
D502	G-3	IC800	I-8
D506	E-3	IC801	J-7
D507	E-3		
D520	B-1	Q20	F-10
D522	A-1	Q21	E-13
D551	I-1	Q22	F-13
D580	K-6	Q50	J-11
D582	J-12	Q70	I-13
D584	J-11	Q130	E-7
D585	K-11	Q202	G-3
D586	J-12	Q205	G-3
D588	K-12	Q311	B-10
D591	K-3	Q312	C-9
D592	K-4	Q331	B-10
D601	G-4	Q332	D-8
D661	G-5	Q406	K-5
D662	G-5	Q407	K-6
D700	B-9	Q411	C-9
D704	F-4	Q412	C-9
D705	F-4	Q431	B-10
D706	B-9	Q432	D-8
D707	B-9	Q500	G-3
D709	E-5	Q501	G-3
D711	B-7	Q502	E-3
D712	B-7	Q503	F-4
D713	B-6	Q581	K-2
D714	B-6	Q583	K-3
D715	C-6	Q600	G-4
D716	C-6	Q601	H-4
D717	C-6	Q700	B-9
D718	C-6	Q701	D-8
		Q704	D-6
IC10	F-11	Q705	D-6
IC50	J-10	Q710	E-4
IC90	J-13	Q711	F-5
IC100	F-8	Q720	E-4
IC130	F-6	Q721	F-4

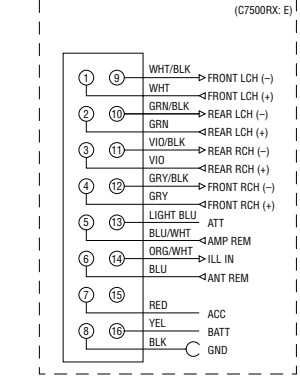
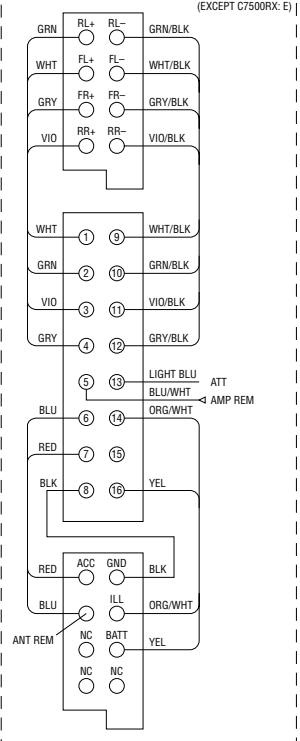


7-7. PRINTED WIRING BOARD – MAIN Board (Conductor Side) –

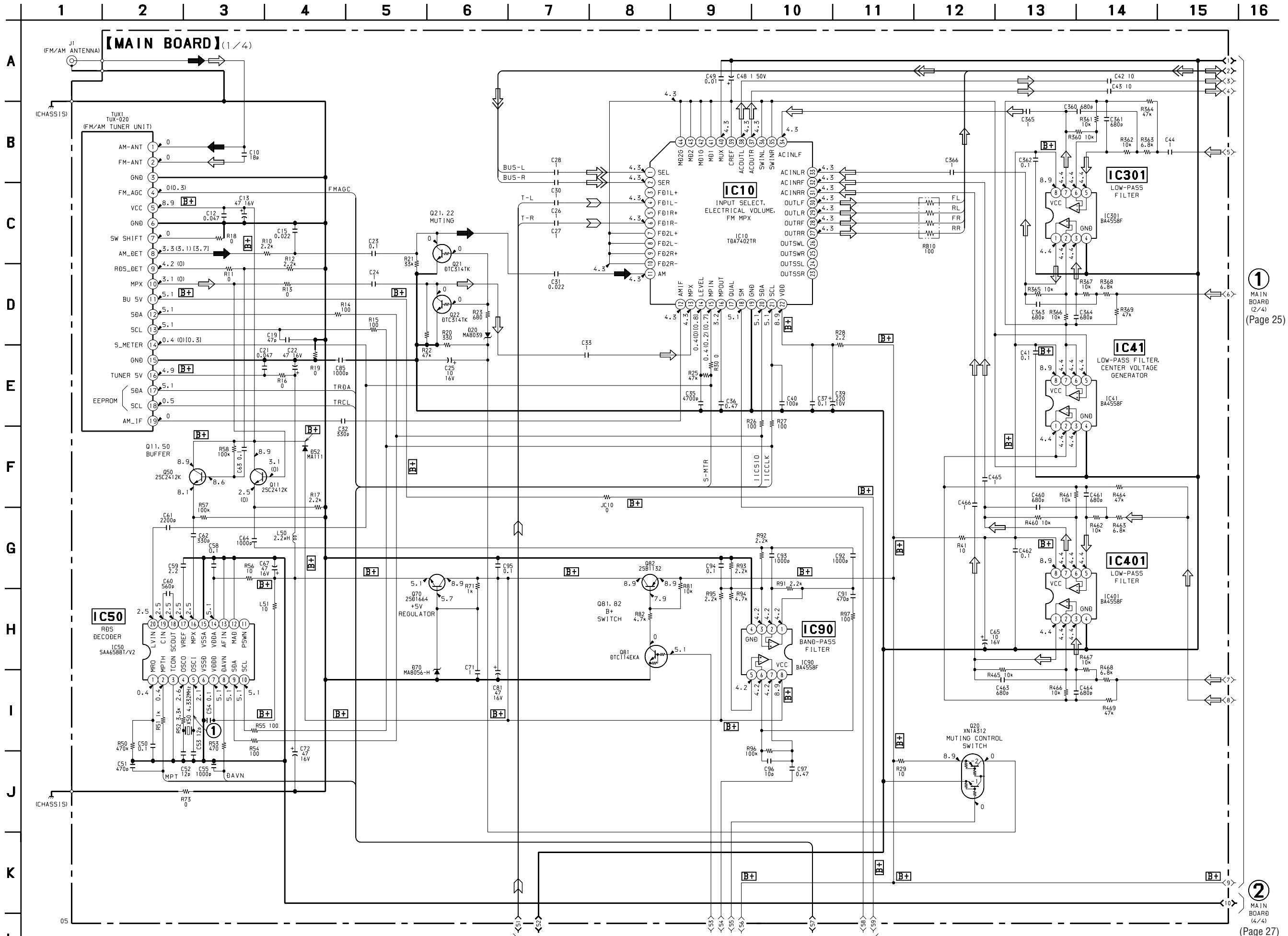


• Semiconductor Location (Conductor Side)

Ref. No.	Location
D52	I-13
D170	F-2
D202	G-3
D503	E-3
D504	D-3
D505	D-3
D508	G-4
D521	B-1
D530	E-1
D553	I-2
D554	I-2
D555	I-2
D581	K-11
D583	J-11
D587	J-12
D589	J-12
D590	J-2
D593	J-11
D594	K-11
D595	K-11
D702	F-3
D703	F-3
D708	D-8
D722	C-6
D723	C-6
D724	D-5
D725	D-4
D730	D-2
D800	J-7
D801	J-7
IC41	C-12
IC170	F-2
IC300	C-10
IC301	E-9
IC400	C-11
IC401	D-11
IC530	E-2
IC550	H-1
IC570	J-3
IC700	B-7
Q11	H-13
Q81	J-13
Q82	I-13
Q203	H-3
Q204	H-3
Q580	K-8
Q582	K-2
Q640	F-5
Q660	F-4



7-8. SCHEMATIC DIAGRAM - MAIN Board (1/4) - • See page 29 for Waveforms. • See page 32 for IC Block Diagrams.

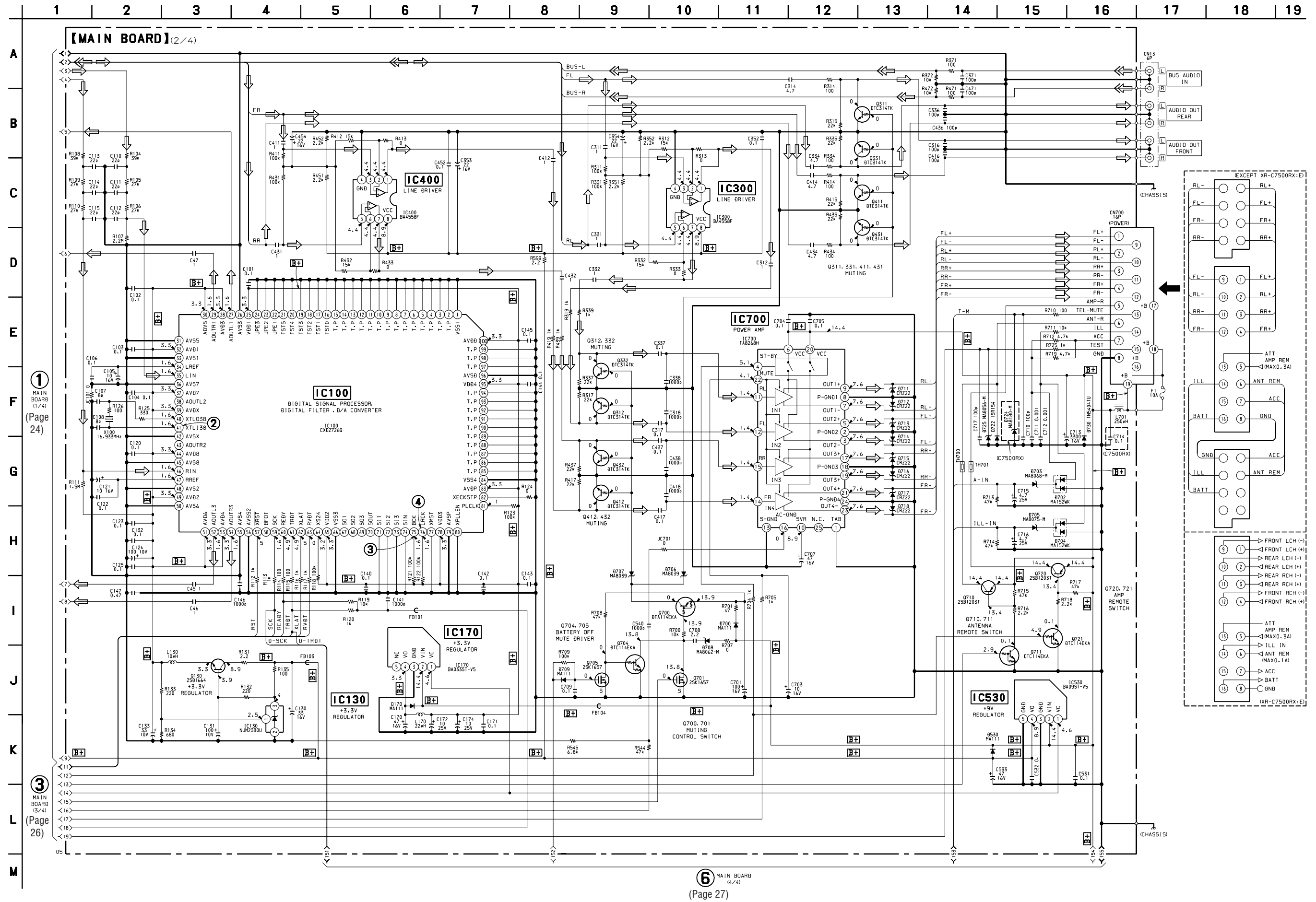


1 MAIN BOARD (2/4) (Page 25)

2 MAIN BOARD (4/4) (Page 27)

4 MAIN BOARD (3/4) (Page 26)

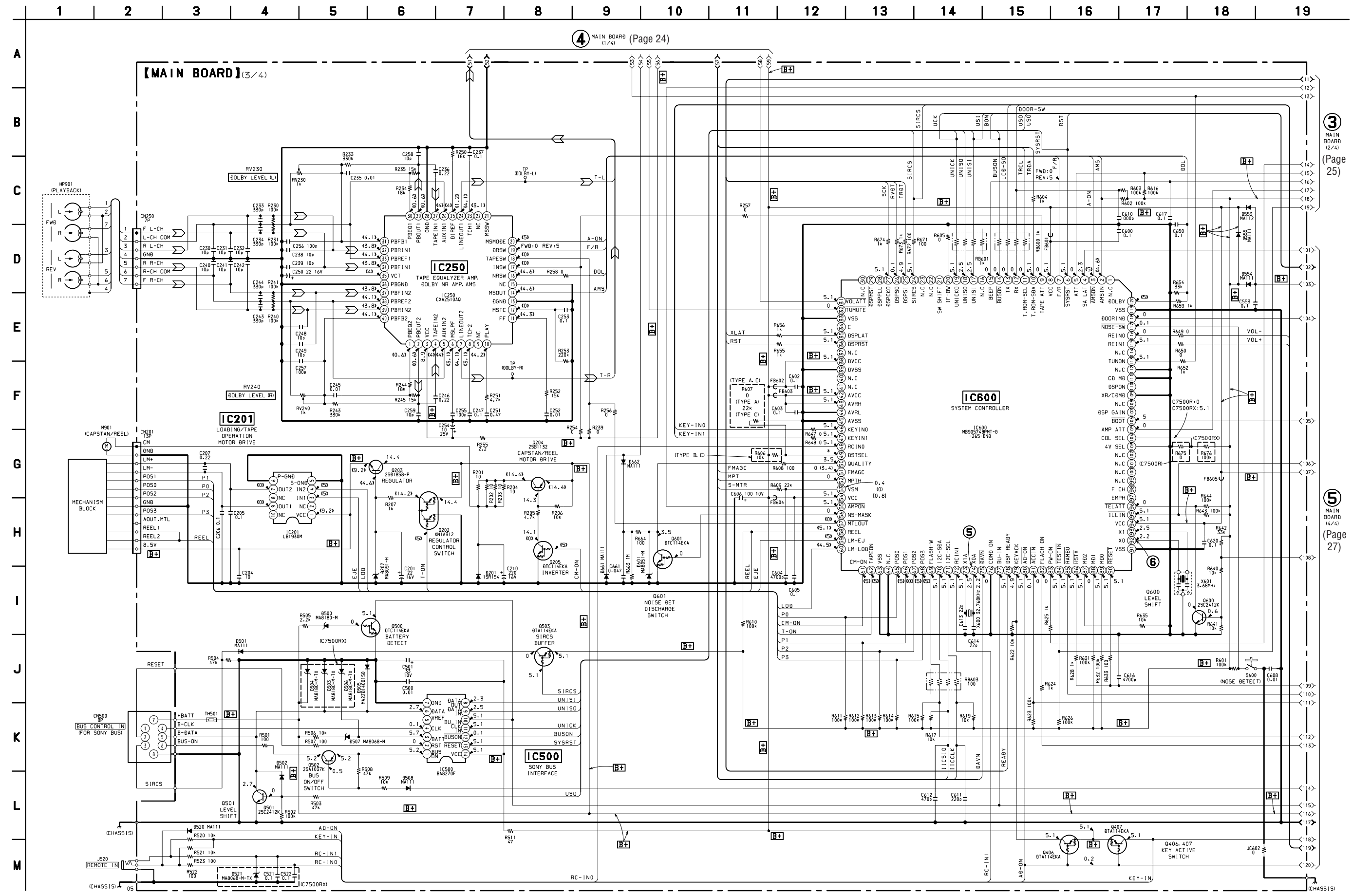
7-9. SCHEMATIC DIAGRAM – MAIN Board (2/4) – • See page 29 for Waveforms. • See page 32 for IC Block Diagrams.



1 MAIN BOARD (1/4) (Page 24)

3 MAIN BOARD (3/4) (Page 26)

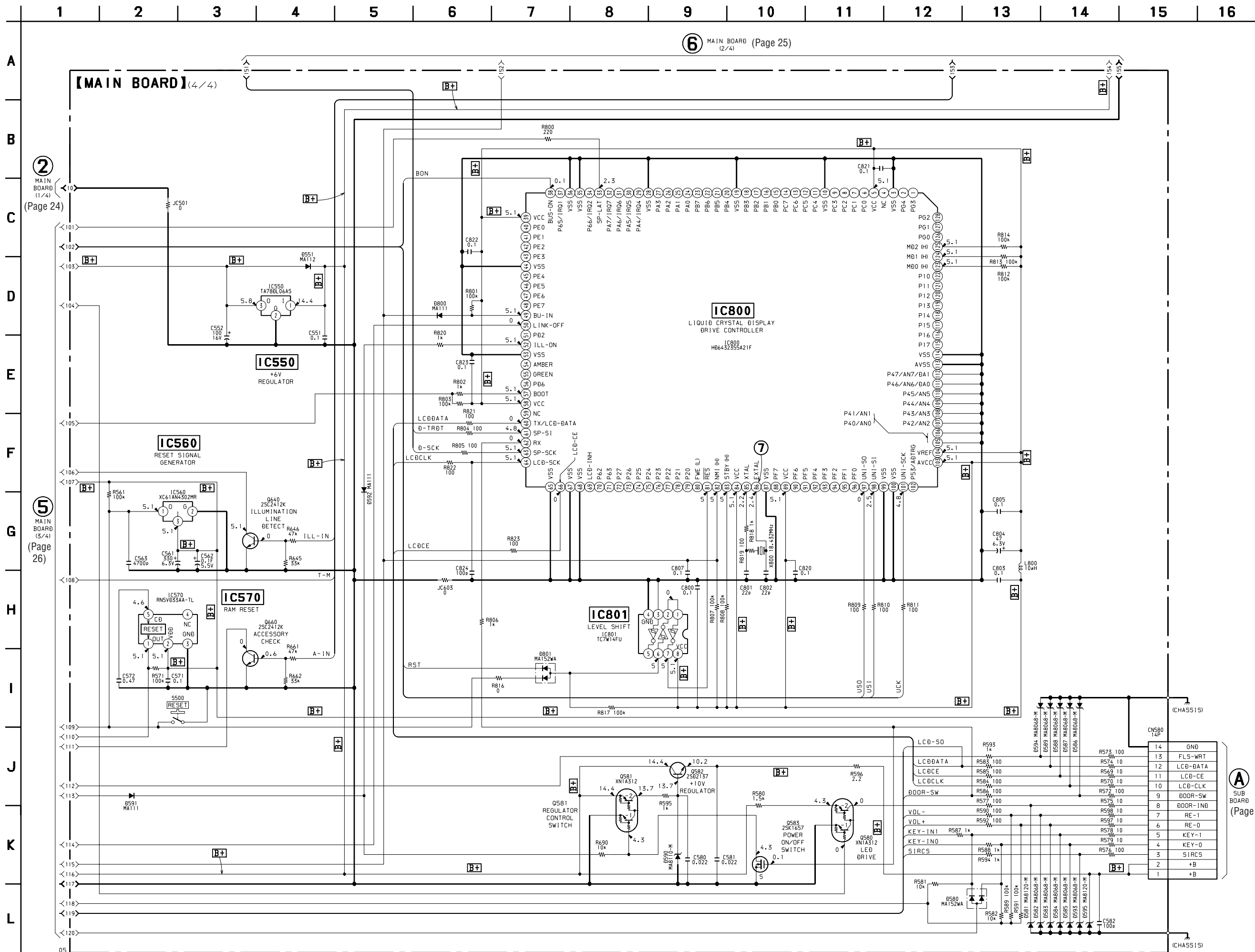
6 MAIN BOARD (4/4) (Page 27)



3 MAIN BOARD (2/4) (Page 25)

5 MAIN BOARD (4/4) (Page 27)

7-11. SCHEMATIC DIAGRAM – MAIN Board (4/4) – • See page 29 for Waveforms. • See page 32 for IC Block Diagrams.



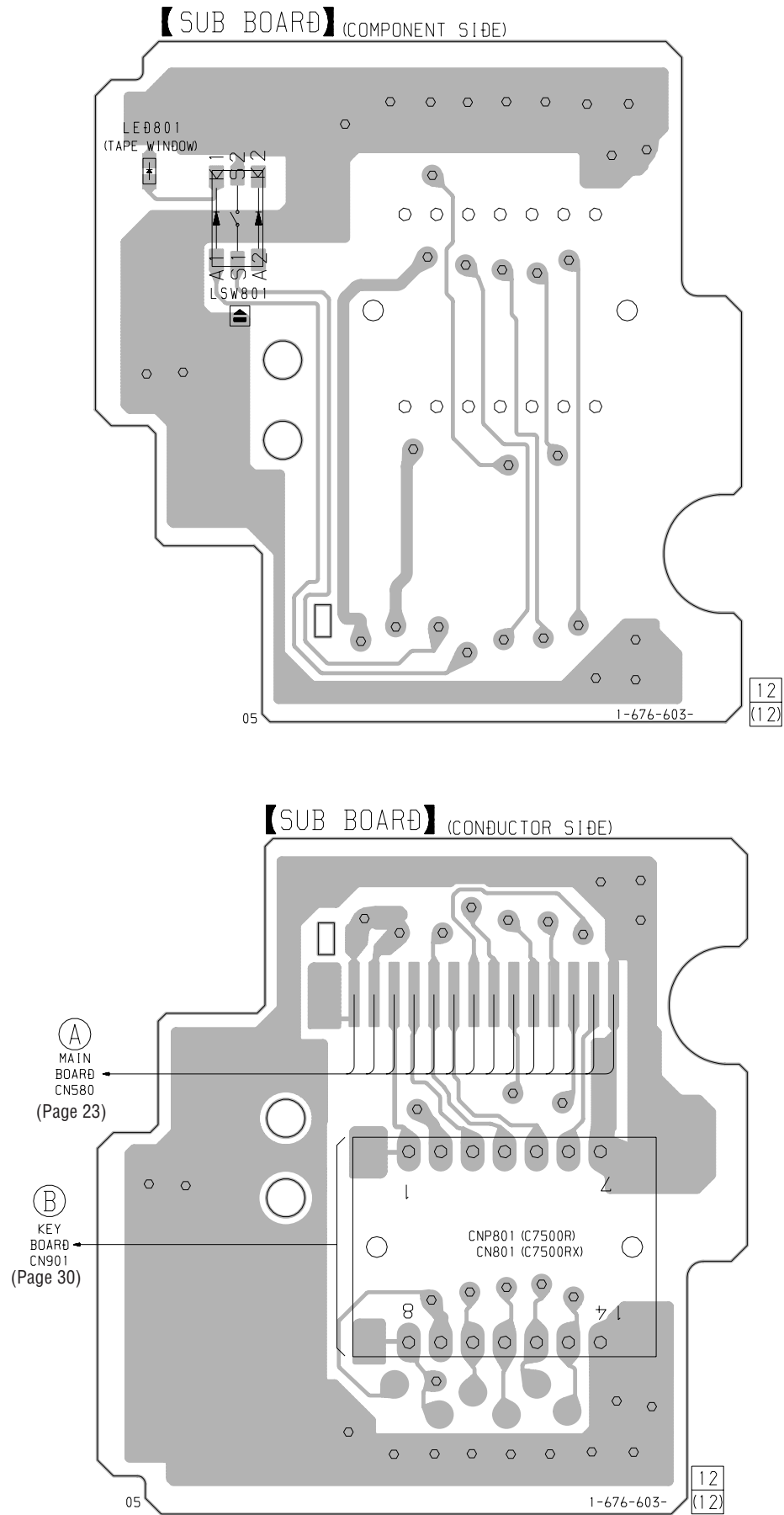
② MAIN BOARD (1/4) (Page 24)

⑤ MAIN BOARD (3/4) (Page 26)

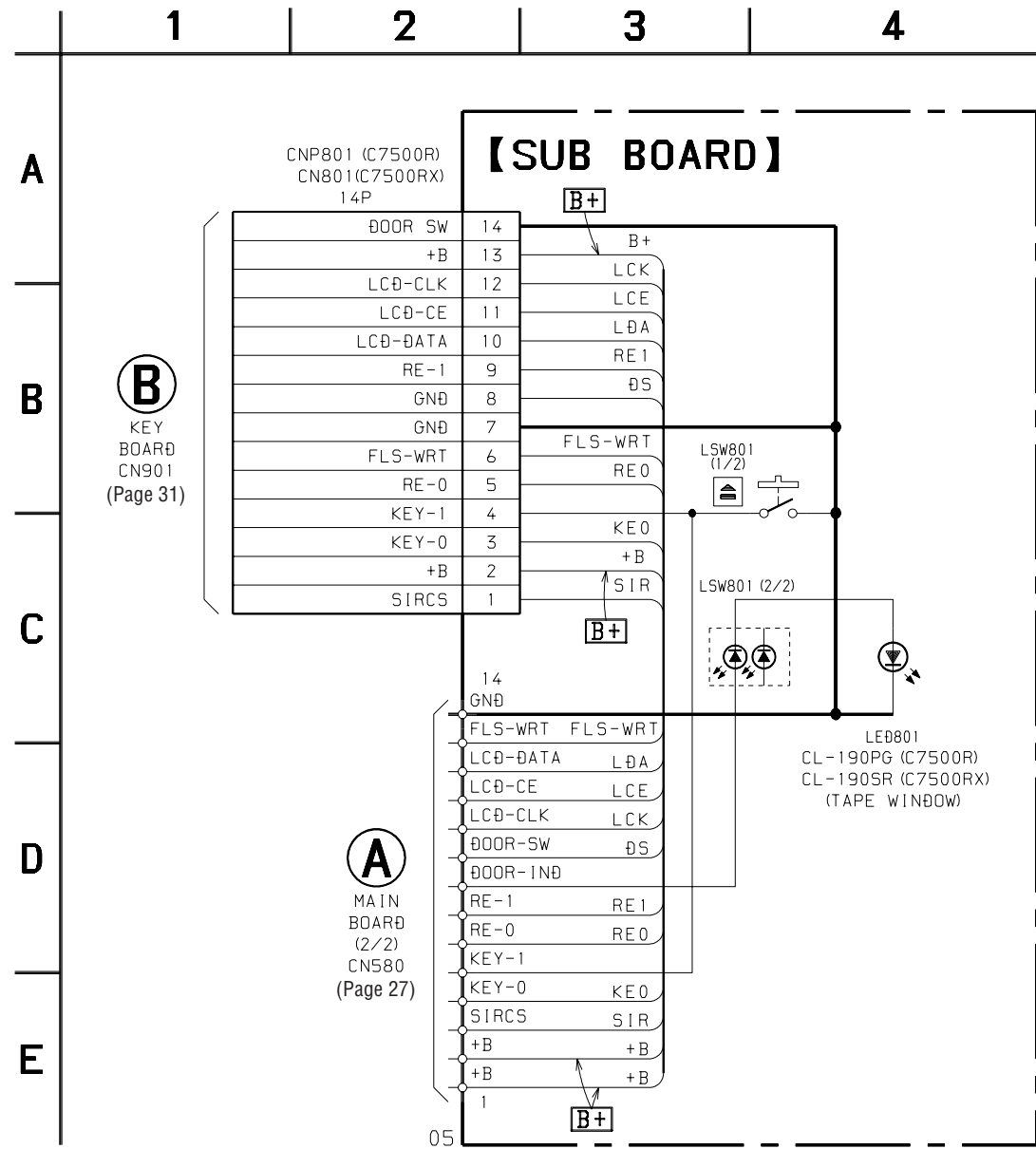
⑥ MAIN BOARD (2/4) (Page 25)

① SUB BOARD (Page 28)

7-12. PRINTED WIRING BOARD – SUB Board –

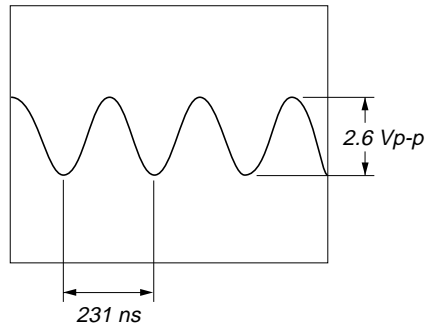


7-13. SCHEMATIC DIAGRAM – SUB Board –

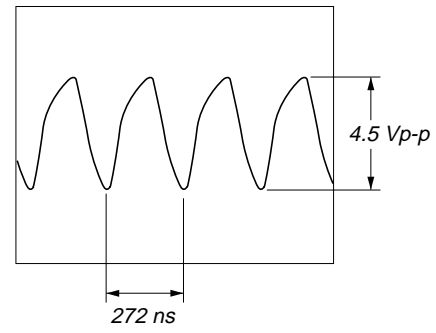


• Waveforms
– MAIN Board –

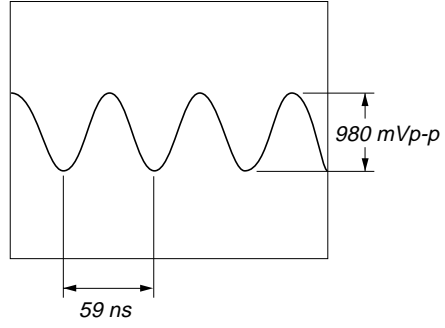
① IC50 ⑤ (OSCI)



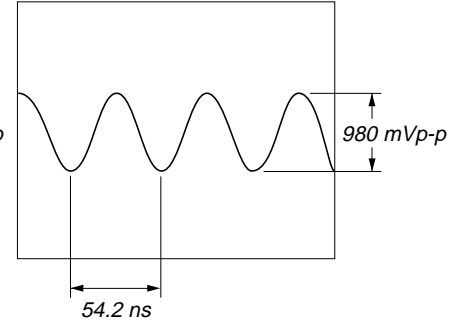
⑥ IC600 ② (X0)



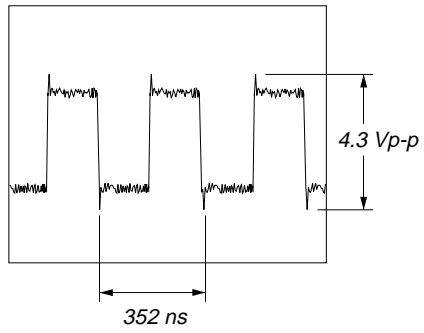
② IC100 ④ (XTLI38)



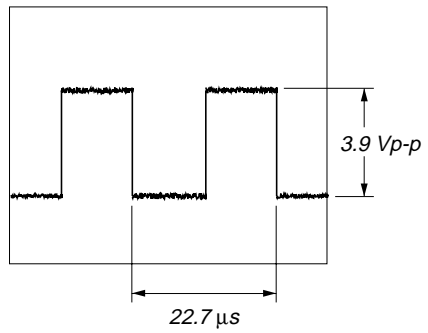
⑦ IC800 ⑧ (EXTAL)



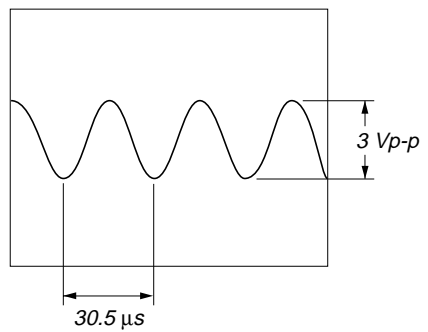
③ IC100 ⑦ (BCK)



④ IC100 ⑧ (LRCK)

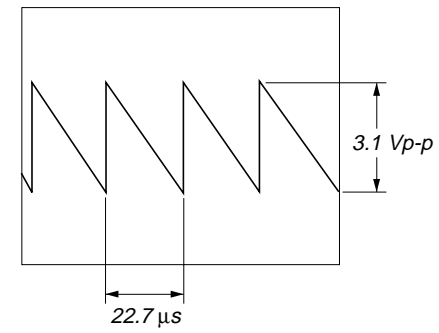


⑤ IC600 ④ (X0A)



– KEY Board –

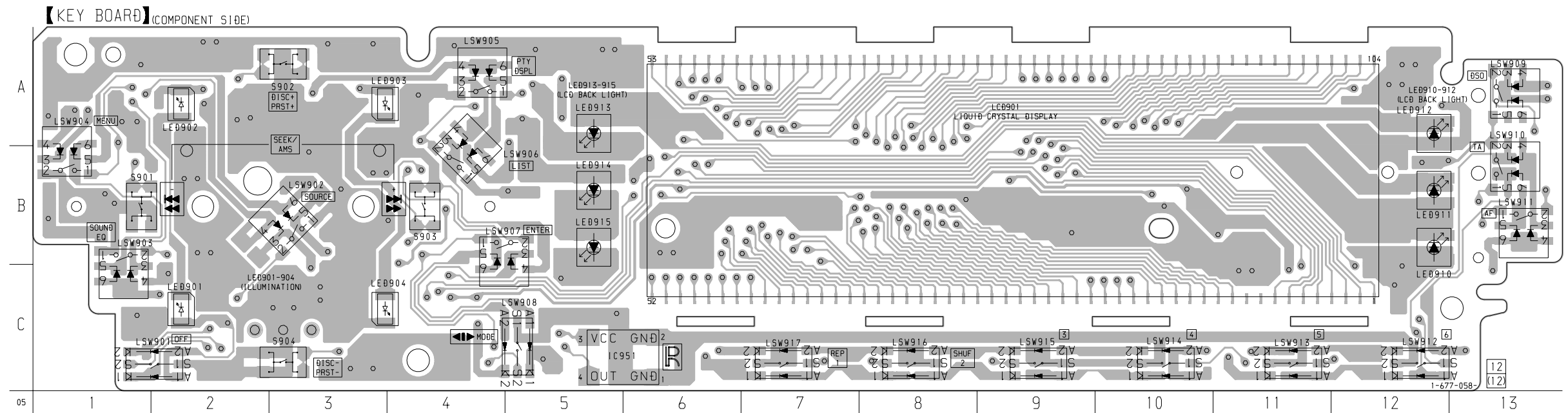
① IC901 ⑥ (OSC)



7-14. PRINTED WIRING BOARD – KEY Board –

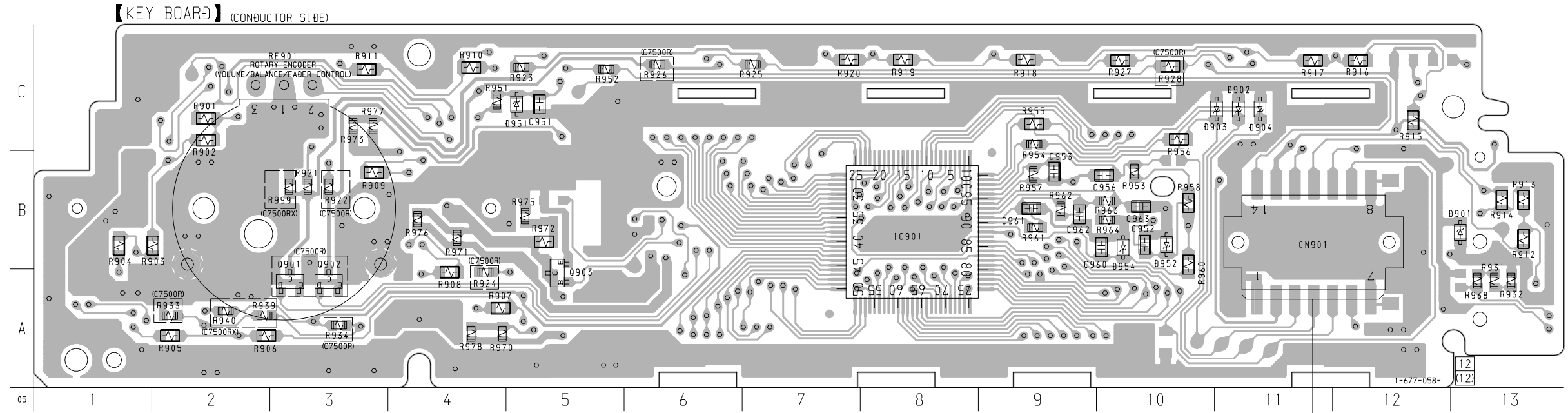
• Semiconductor Location (Component Side)

Ref. No.	Location
IC951	C-5
LED901	C-2
LED902	A-2
LED903	A-3
LED904	C-3
LED910	B-12
LED911	B-12
LED912	A-12
LED913	A-5
LED914	B-5
LED915	B-5



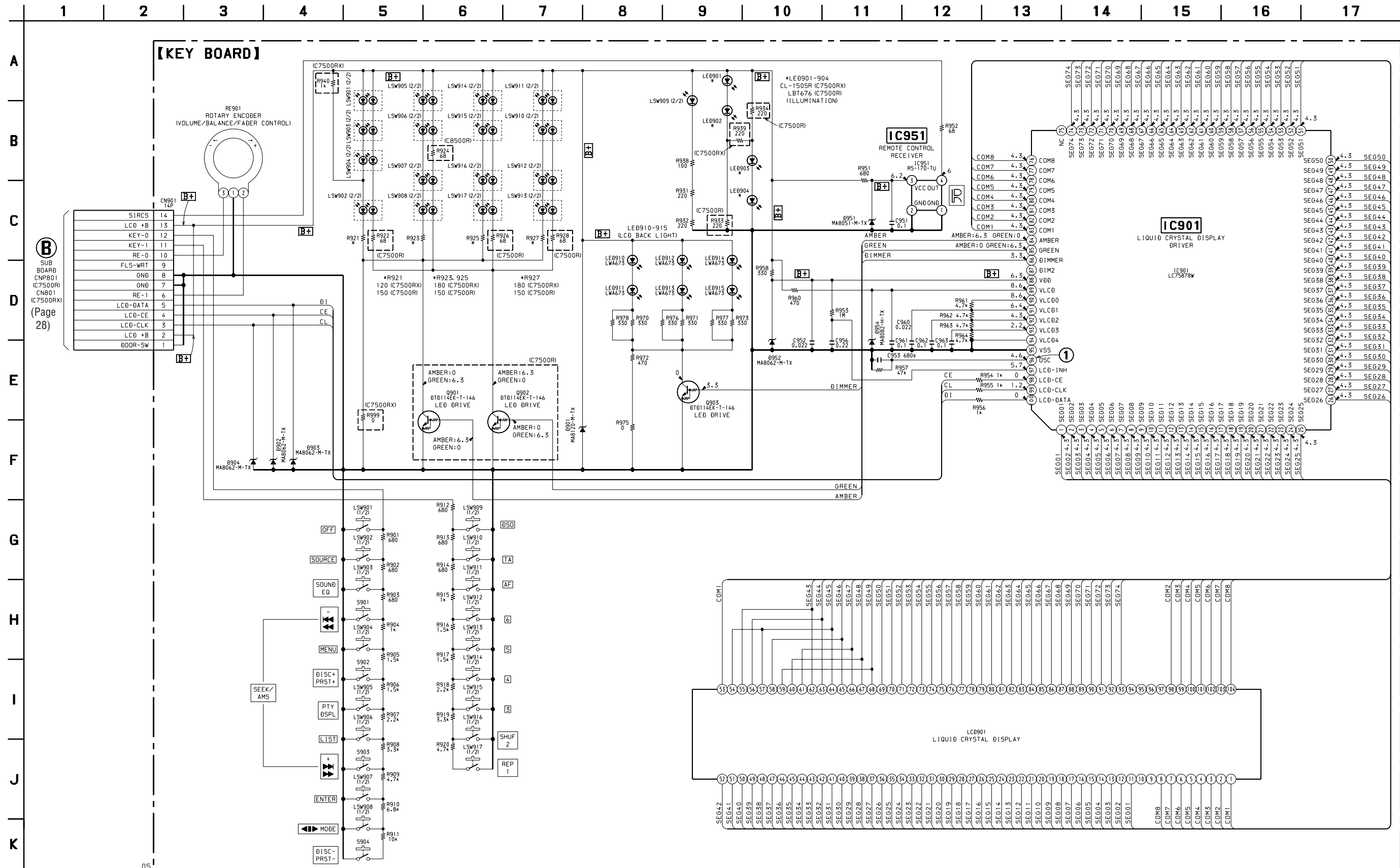
• Semiconductor Location (Conductor Side)

Ref. No.	Location
D901	B-13
D902	C-11
D903	C-11
D904	C-11
D951	C-5
D952	B-10
D954	B-10
IC901	B-8
Q901	A-3
Q902	A-3
Q903	A-5



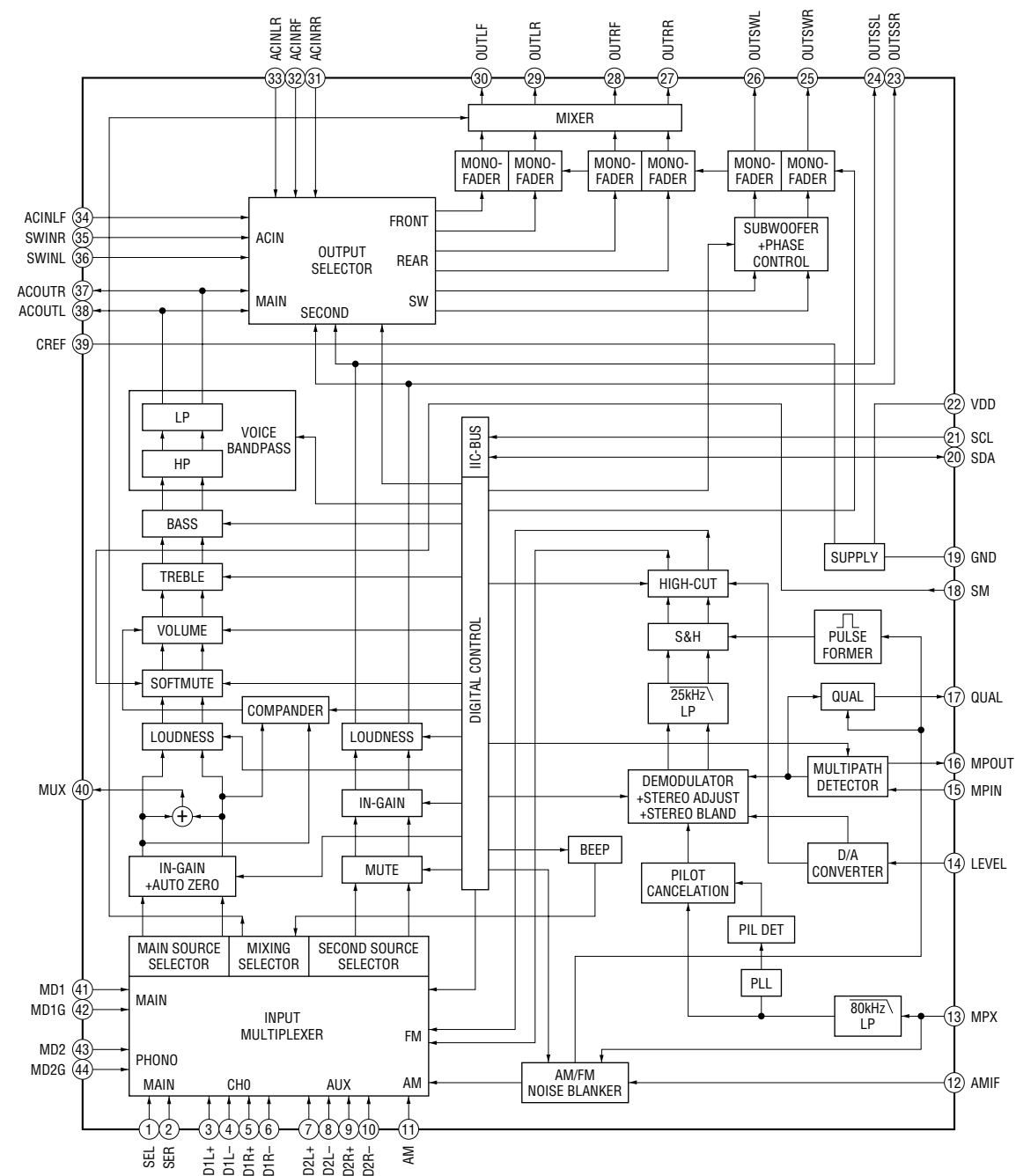
ⓑ
SUB BOARD
CNP801 (C7500R)
CNB01 (C7500RX)
(Page 28)

7-15. SCHEMATIC DIAGRAM – KEY Board – • See page 29 for Waveforms.

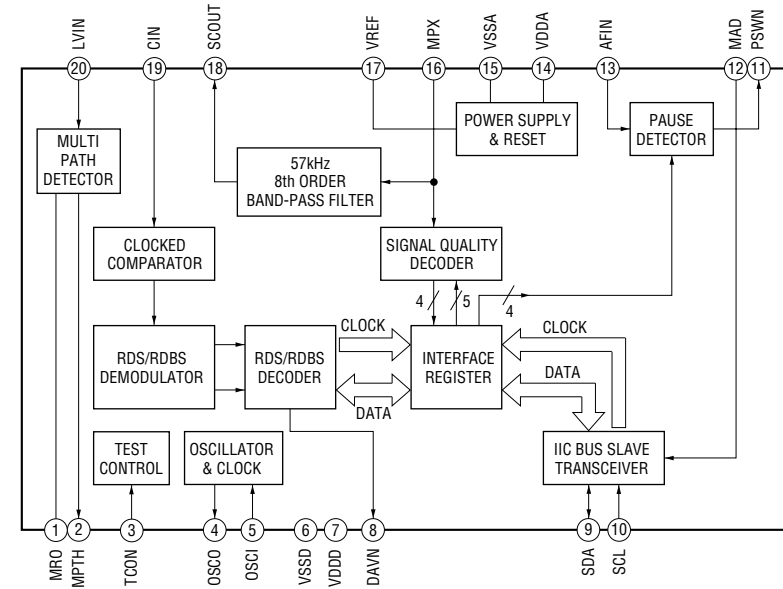


• IC Block Diagrams
– MAIN Board –

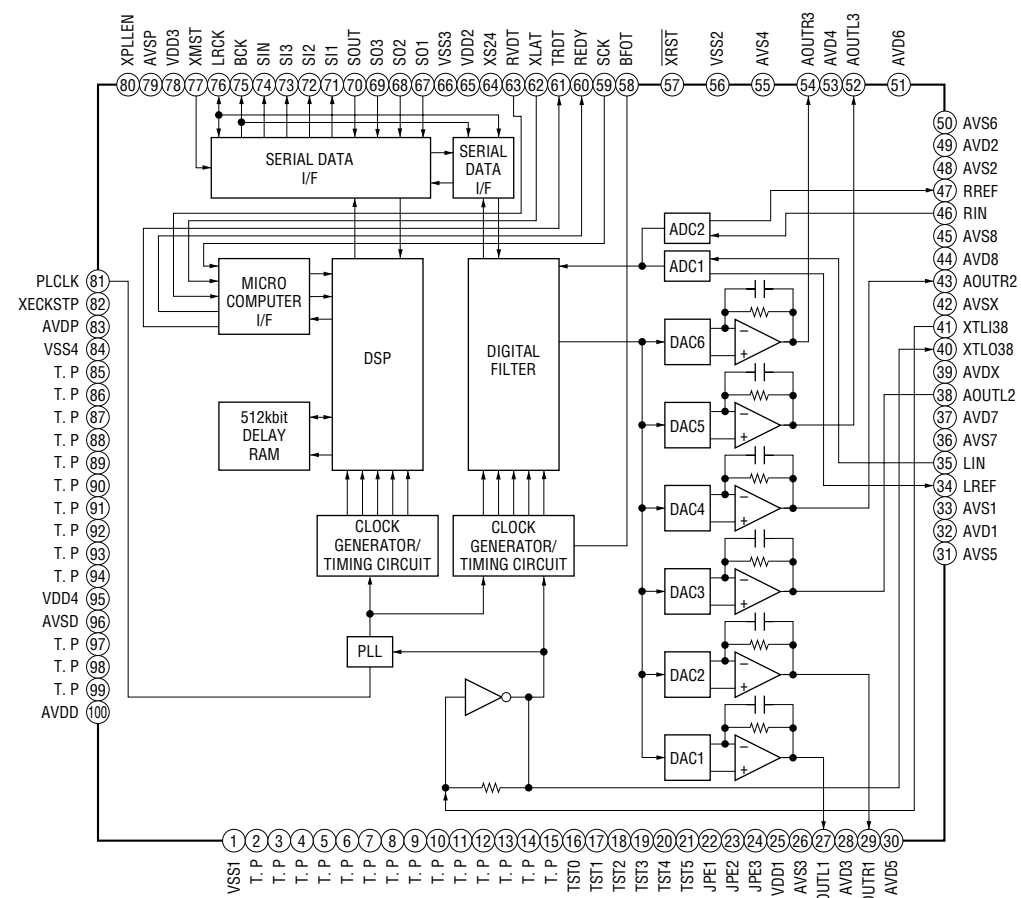
IC10 TDA7402TR



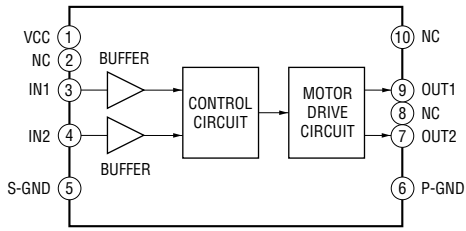
IC50 SAA6588T/V2-118



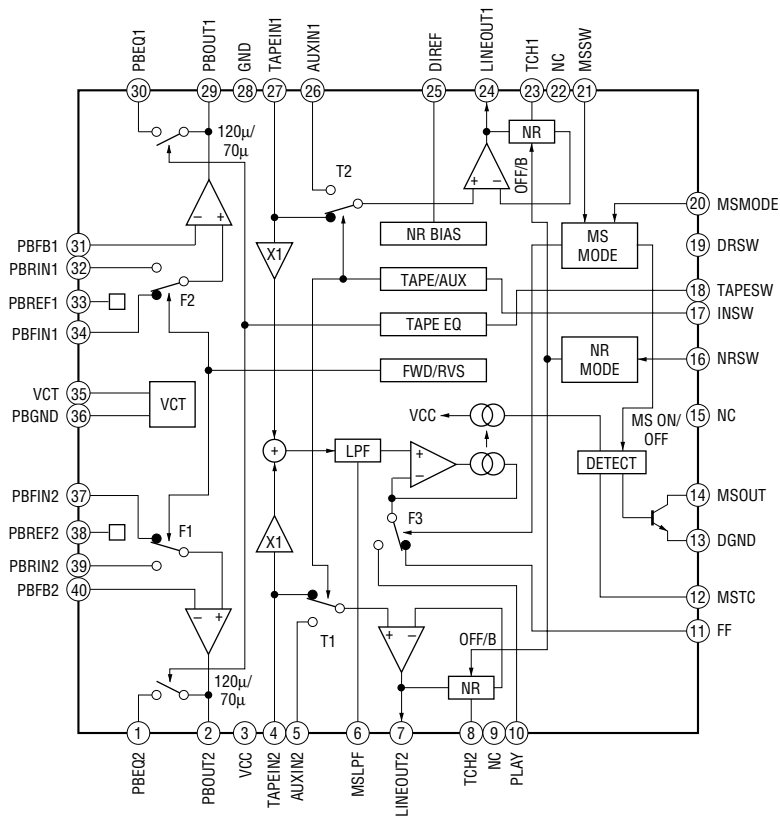
IC100 CXD2726Q-4



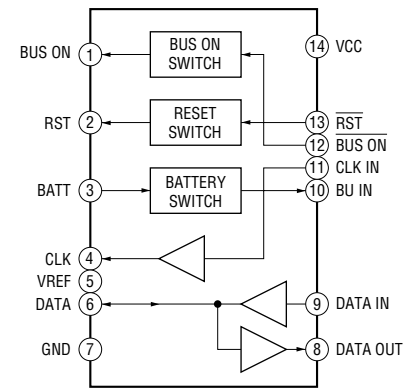
IC201 LB1930M-TLM



IC250 CXA2510AQ-T4



IC500 BA8270F-E2



7-16. IC PIN FUNCTION DESCRIPTION

• MAIN BOARD IC100 CXD2726Q-4 (DIGITAL SIGNAL PROCESSOR, DIGITAL FILTER, D/A CONVERTER)

Pin No.	Pin Name	I/O	Description
1	VSS1	—	Ground terminal (digital system)
2 to 15	T.P	I	Input terminal for the test (fixed at “L”)
16 to 21	TST0 to TST5	I	Input terminal for the test (fixed at “L”)
22 to 24	JPE1 to JPE3	I	External condition jump terminal “H”: condition jump (fixed at “L”)
25	VDD1	—	Power supply terminal (+3.3V) (digital system)
26	AVS3	—	Ground terminal (for D/A converter 1) (analog system)
27	AOUTL1	O	D/A converter 1 (L-ch side) output terminal Analog signal output for front side (L-ch side) output in this set
28	AVD3	—	Power supply terminal (+3.3V) (for D/A converter 1) (analog system)
29	AOUTR1	O	D/A converter 1 (R-ch side) output terminal Analog signal output for rear side (L-ch side) output in this set
30	AVD5	—	Power supply terminal (+3.3V) (for D/A converter 1) (analog system)
31	AVS5	—	Ground terminal (for D/A converter 1) (analog system)
32	AVD1	—	Power supply terminal (+3.3V) (for L-ch side A/D converter) (analog system)
33	AVS1	—	Ground terminal (for L-ch side A/D converter) (analog system)
34	LREF	O	Connected to the bus control for A/D converter (for L-ch side)
35	LIN	I	A/D converter (L-ch side) analog input terminal Tuner and bus audio input signal (L-ch side) in this set
36	AVS7	—	Ground terminal (for D/A converter 2) (analog system)
37	AVD7	—	Power supply terminal (+3.3V) (for D/A converter 2) (analog system)
38	AOUTL2	O	D/A converter 2 (L-ch side) output terminal Not used (open)
39	AVDX	—	Power supply terminal (+3.3V) (for master clock) (analog system)
40	XTLO38	O	System clock output terminal (16.9344 MHz)
41	XTLI38	I	System clock input terminal (16.9344 MHz)
42	AVSX	—	Ground terminal (for master clock) (analog system)
43	AOUTR2	O	D/A converter 2 (R-ch side) output terminal Not used (open)
44	AVD8	—	Power supply terminal (+3.3V) (for D/A converter 2) (analog system)
45	AVS8	—	Ground terminal (for D/A converter 2) (analog system)
46	RIN	I	A/D converter (R-ch side) analog input terminal Tuner and bus audio input signal (R-ch side) in this set
47	RREF	O	Connected to the bus control for A/D converter (for R-ch side)
48	AVS2	—	Ground terminal (for R-ch side A/D converter) (analog system)
49	AVD2	—	Power supply terminal (+3.3V) (for R-ch side A/D converter) (analog system)
50	AVS6	—	Ground terminal (for D/A converter 3) (analog system)
51	AVD6	—	Power supply terminal (+3.3V) (for D/A converter 3) (analog system)
52	AOUTL3	O	D/A converter 3 (L-ch side) output terminal Analog signal output for rear side (R-ch side) output in this set
53	AVD4	—	Power supply terminal (+3.3V) (for D/A converter 3) (analog system)
54	AOUTR3	O	D/A converter 3 (R-ch side) output terminal Analog signal output for front side (R-ch side) output in this set
55	AVS4	—	Ground terminal (for D/A converter 3) (analog system)
56	VSS2	—	Ground terminal (digital system)
57	$\overline{\text{XRST}}$	I	System reset signal input from the system controller (IC600) “L”: reset
58	BFOT	O	Master clock signal output terminal Not used (open)
59	SCK	I	Serial data transfer clock signal input from the system controller (IC600) and liquid crystal display drive controller (IC800)

Pin No.	Pin Name	I/O	Description
60	REDY	O	Transfer enable signal output to the system controller (IC600) “L”: transfer prohibition
61	TRDT	O	Serial data output to the system controller (IC600) and liquid crystal display drive controller (IC800)
62	XLAT	I	Serial data latch pulse input from the system controller (IC600)
63	RVDT	I	Serial data input from the system controller (IC600)
64	XS24	I	Serial data 24/32 bit slot selection signal input terminal “L”: 24 bit slot, “H”: 32 bit slot (validity at slave mode) (fixed at “H” in this set)
65	VDD2	—	Power supply terminal (+3.3V) (digital system)
66	VSS3	—	Ground terminal (digital system)
67 to 69	SO1 to SO3	O	Serial data output terminal Not used (open)
70	SOUT	O	Serial data output terminal Not used (open)
71 to 73	SI1 to SI3	I	Serial data input terminal Not used (fixed at “L”)
74	SIN	I	Serial data input terminal Not used (fixed at “L”)
75	BCK	I	Bit clock signal (2.8224 MHz) input terminal Not used (fixed at “H”)
76	LRCK	I	L/R sampling clock signal (44.1 kHz) input terminal Not used (fixed at “H”)
77	XMST	I	Bit clock (BCK) and L/R sampling clock (LRCK) signal master/slave mode selection signal input terminal “L”: master mode, “H”: slave mode (fixed at “L” in this set)
78	VDD3	—	Power supply terminal (+3.3V) (digital system)
79	AVSP	—	Ground terminal (PLL system)
80	XPLEN	I	PLL enable signal input terminal Normally: fixed at “L”
81	PLCLK	O	PLL clock signal output terminal (22.5792 MHz)
82	XECKSTP	I	PLL clock output control signal input terminal Not used (fixed at “L”)
83	AVDP	—	Power supply terminal (+3.3V) (PLL system)
84	VSS4	—	Ground terminal (digital system)
85 to 94	T.P	I	Input terminal for the test Normally: fixed at “L”
95	VDD4	—	Power supply terminal (+3.3V) (digital system)
96	AVSD	—	Ground terminal (for D-RAM)
97 to 99	T.P	I	Input terminal for the test Normally: fixed at “L”
100	AVDD	—	Power supply terminal (+3.3V) (for D-RAM)

• MAIN BOARD IC600 MB90574BPMT-G-265-BND (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	NC	O	Not used (open)
2	AMSIN	I	Whether a music is present or not from CXA2510AQ (IC250) is detected at auto music sensor “L”: music is present, “H”: music is not present
3	$\overline{\text{AMSON}}$	O	Tape auto music sensor control signal output to the CXA2510AQ (IC250) “L” is output to lower the gain for audio level at FF/REW mode
4	SA LAT	O	Serial data latch pulse output for spectrum analyzer section to the liquid crystal display drive controller (IC800)
5	ATT	O	Audio line muting on/off control signal output terminal “H”: muting on
6	$\overline{\text{SYSRST}}$	O	System reset signal output to the liquid crystal display drive controller (IC800) and SONY bus interface (IC500) “L”: reset
7	F/R	O	Forward/reverse direction control signal output to the CXA2510AQ (IC250) “L”: reverse direction, “H”: forward direction
8	VCC	—	Power supply terminal (+5V)
9	TAPE ATT	O	Tape muting on/off control signal output to the CXA2510AQ (IC250) “H”: muting on Active at ATA, FF/REW mode
10	T. ROM-SDA	I/O	Two-way data bus for tuner EEPROM with the FM/AM tuner unit (TUX1)
11	T. ROM-SCL	I/O	Two-way bus clock signal for tuner EEPROM with the FM/AM tuner unit (TUX1)
12	RX	I	Input terminal at the flash memory data write mode Front panel open/close detection signal input terminal “L” is input when the front panel is closed
13	TX	O	Output terminal at the flash memory data write mode Display serial data output to the liquid crystal display driver (IC901)
14	$\overline{\text{BUS-ON}}$	O	Bus on/off control signal output to the liquid crystal display drive controller (IC800) and SONY bus interface (IC500) “L”: bus on
15	BEEP	O	Beep sound drive signal output terminal
16	NC	O	Not used (open)
17	UNISI	I	Serial data input from the SONY bus interface (IC500)
18	UNISO	O	Serial data output to the SONY bus interface (IC500)
19	UNICKO	O	Serial clock signal output to the liquid crystal display drive controller (IC800) and SONY bus interface (IC500)
20	IF-BW	I	Tuner wide/narrow select signal input terminal “L”: wide, “H”: narrow Not used (fixed at “L”)
21	SW SHIFT	O	Not used
22, 23	NC	O	Not used (open)
24	SIRCS	I	Sircs remote control signal input from the remote control receiver (IC951)
25	DSPSI	I	Serial data input from the CXD2726Q (IC100)
26	DPSO	O	Serial data output to the CXD2726Q (IC100)
27	DSPCKO	O	Serial data transfer clock signal output to the CXD2726Q (IC100) and liquid crystal display drive controller (IC800)
28	DSPPLL	O	PLL clock control signal output terminal Not used (open)
29	$\overline{\text{DSPMST}}$	O	Bit clock (BCK) and L/R sampling (LRCK) signal master/slave mode selection signal output terminal “L”: master mode, “H”: slave mode Not used (open)
30	NC	O	Not used (open)
31	$\overline{\text{VOLATT}}$	O	Pre amplifier muting on/off control signal output to the electrical volume (IC10) “L”: muting on
32	$\overline{\text{TUMUTE}}$	O	Muting on/off control signal output of the FM/AM tuner signal “L”: muting on
33	VSS	—	Ground terminal
34	C	—	Connected to coupling capacitor for the power supply Not used (open)

Pin No.	Pin Name	I/O	Description
35	DSPLAT	O	Serial data latch pulse output to the CXD2726Q (IC100)
36	DSPRST	O	Reset signal output to the CXD2726Q (IC100) "L": reset
37	NC	O	Not used (open)
38	DVCC	—	Power supply terminal (+5V) (for D/A converter)
39	DVSS	—	Ground terminal (for D/A converter)
40, 41	NC	O	Not used (open)
42	AVCC	—	Power supply terminal (+5V) (for analog system)
43	AVRH	I	Reference voltage (+5V) input terminal (for A/D converter)
44	AVRL	I	Reference voltage (0V) input terminal (for A/D converter)
45	AVSS	—	Ground terminal (for analog system)
46	KEYIN0	I	Key input terminal (A/D input) (LSW901 to LSW908, S901 to S904) OFF, SOURCE, SOUND EQ, MENU, PTY DSPL, LIST, ENTER, ◀▶ MODE, SEEK/AMS - ◀◀ ◀◀ + ▶▶ ▶▶, DISC/PRST +, DISC/PRST - keys input
47	KEYIN1	I	Key input terminal (A/D input) (LSW801, LSW909 to LSW917) ▲, DSO, TA, AF, 6 to 3 SHUF 2, REP 1 keys input
48	RCIN0	I	Rotary remote commander key input terminal (A/D input)
49	DSTSEL	I	Destination setting terminal (A/D input) "L": XR-C7500R/C7500RX: TYPE A, "M": XR-C7500R/C7500RX: TYPE C, "H": XR-C7500R/C7500RX: TYPE B
50	QUALITY	I	Noise level detection signal input at SEEK mode (A/D input)
51	FMAGC	I	FM AGC detection signal input from the FM/AM tuner unit (TUX1) (A/D input)
52	MPTH	I	Multi-path detection signal input from the RDS decoder (IC50) (A/D input)
53	VSM	I	FM and AM signal meter voltage detection input from the FM/AM tuner unit (TUX1) (A/D input)
54	VCC	—	Power supply terminal (+5V)
55	AMP ON	O	Standby on/off control signal output to the power amplifier (IC700) "L": standby mode, "H": amp on
56	NS-MASK	O	Discharge control signal output for the noise detection circuit "H": discharge
57	MTLOUT	O	METAL on/off control signal output to the CXA2510AQ (IC250) "H": METAL on
58	REEL	I	Rotation detect signal input from supply reel sensor and take-up reel sensor on the deck mechanism
59	LM-EJ	O	Motor drive signal output to the loading/tape operation motor drive (IC201) "H" active (For the eject direction and reverse side operation) *1
60	LM-LOD	O	Motor drive signal output to the loading/tape operation motor drive (IC201) "H" active (For the loading direction and forward side operation) *1
61	CM ON	O	Capstan/reel motor (M901) drive signal output terminal "H": motor on
62	TAPE ON	O	Tape system power supply on/off control signal output terminal "H": tape on
63	VSS	—	Ground terminal
64	NC	I	Not used (fixed at "L")
65	POS0	I	Tape position (EJECT/FF/REW/REV/ FWD mode) detect input from the tape operation switch on the deck mechanism POS0: "L": EJECT mode, "H": others mode POS1: "L": FF and FWD mode, "H": others mode POS2: "L": REW mode, "H": others mode POS3: "L": REV and EJECT mode, "H": others mode
66	POS1	I	
67	POS2	I	
68	POS3	I	
69	FLASH-W	I	Internal flash memory data write mode detection signal input terminal "L": data write mode Not used (fixed at "H")
70	I2C SDA	I/O	Two-way data I ² C bus with the FM/AM tuner unit (TUX1), RDS decoder (IC50) and electrical volume (IC10)
71	I2C SCL	O	I ² C bus clock signal output to the FM/AM tuner unit (TUX1), RDS decoder (IC50) and electrical volume (IC10)
72	RCIN1	I	Rotary remote commander shift key input terminal

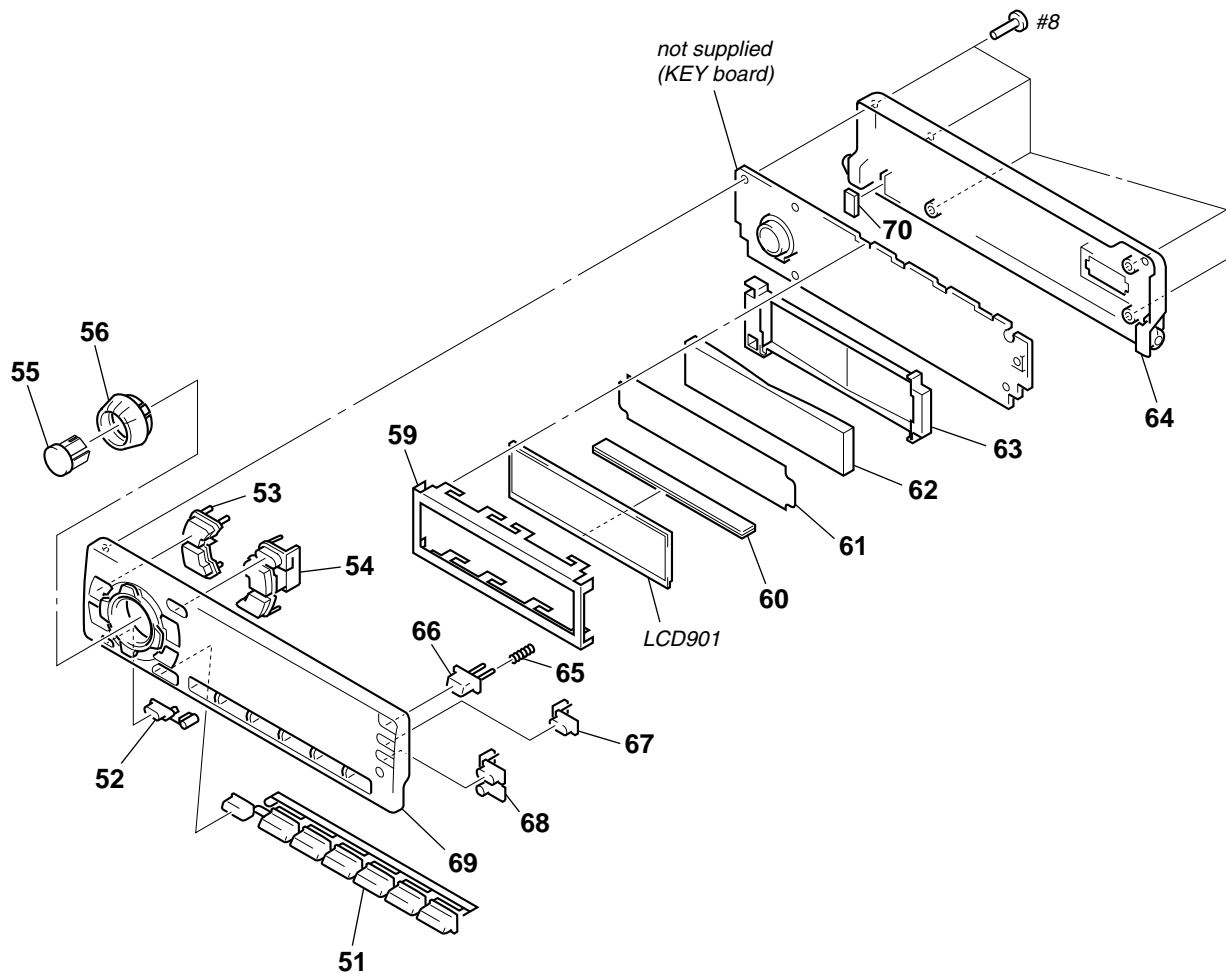
Pin No.	Pin Name	I/O	Description
73	X1A	O	Sub system clock output terminal (32.768 kHz)
74	X0A	I	Sub system clock input terminal (32.768 kHz)
75	$\overline{\text{DAVN}}$	I	Data transmit completed detection signal input from the RDS decoder (IC50) "H" active
76	CDON-ON	I	CD/MD on/off control signal input terminal (fixed at "L" in this set)
77	BU-IN	I	Battery detection signal input from the SONY bus interface (IC500) and battery detect circuit "L" is input at low voltage
78	DSPREADY	I	Transfer enable signal input from the CXD2726Q (IC100) "L": transfer prohibition, "H": transfer permission
79	KEYACK	I	Input of acknowledge signal for the key entry Acknowledge signal is input to accept function and eject keys in the power off status On at input of "H"
80	$\overline{\text{AD ON}}$	O	A/D converter power control signal output terminal When the KEYACK (pin 79) that controls reference voltage power for key A/D conversion input is active, "L" is output from this terminal to enable the input
81	$\overline{\text{ACCIN}}$	I	Accessory detection signal input terminal "L": accessory on
82	FLASH ON	O	Power on/off control signal output of the illumination LED and liquid crystal display driver (IC800) "H": power on
83	PW-ON	O	Main system power supply on/off control signal output terminal "H": power on
84	$\overline{\text{TESTIN}}$	I	Setting terminal for the test mode "L": test mode, Normally: fixed at "H"
85	$\overline{\text{RAMBU}}$	I	Internal RAM reset detection signal input from the RAM reset (IC570) Input terminal to check that RAM data are not destroyed due to low voltage This checking is made within 100 msec after reset
86	$\overline{\text{HSTX}}$	I	Hardware standby input terminal "L": hardware standby mode Reset signal input in this set
87	MD2	I	Setting terminal for the CPU operational mode (fixed at "L" in this set)
88	MD1	I	Setting terminal for the CPU operational mode (fixed at "H" in this set)
89	MD0	I	Setting terminal for the CPU operational mode (fixed at "H" in this set)
90	$\overline{\text{RESET}}$	I	System reset signal input from the reset signal generator (IC560) and reset switch (S500) "L": reset "L" is input for several 100 msec after power on, then it changes to "H"
91	VSS	—	Ground terminal
92	X0	I	Main system clock input terminal (3.68 MHz)
93	X1	O	Main system clock output terminal (3.68 MHz)
94	VCC	—	Power supply terminal (+5V)
95	$\overline{\text{ILLIN}}$	I	Auto dimmer control illumination line detection signal input terminal "L" is input at dimmer detection
96	$\overline{\text{TELATT}}$	I	Telephone detection signal input terminal At input of "H", the signal is attenuated by -20 dB
97	EMPH	I	Emphasis control signal input terminal Not used (open)
98	F CH	O	Frequency changing terminal "H": frequency change Not used (open)
99 to 102	NC	O	Not used (open)
103	4V SEL	I	Input terminal of whether line driver is mounted or not is detected "L": line driver is not mounted, "H": line driver is mounted
104	COL SEL	I	Setting terminal for the illumination color "L": 2 color (XR-C7500R), "H": 1 color (XR-C7500RX)
105	AMPATT	O	Power amplifier muting on/off control signal output terminal "H": muting on
106	$\overline{\text{BOOT}}$	O	Serial data output to the liquid crystal display drive controller (IC800)
107	DSP GAIN	O	Not used (open)
108	NC	O	Not used (open)
109	XR CDMD	I	Setting terminal for the internal mechanism tape or CD/MD "L": tape, "H": CD/MD (fixed at "L" in this set)
110	DSP ON	O	Power supply on/off control signal output terminal "H": DSP on Not used (open)

Pin No.	Pin Name	I/O	Description
111	CD MD	I	Setting terminal for the internal mechanism CD or MD “L”: CD, “H”: MD (fixed at “L” in this set)
112	NC	I	Not used (fixed at “L”)
113	TUNON	O	Tuner system power supply on/off control signal output terminal “H”: tuner power on
114	NC	O	Not used (open)
115	REIN1	I	Dial pulse input of the rotary encoder (RE901) (A phase input) (for VOLUME/BASS/TREBLE/BALANCE/FADER control)
116	REIN0	I	Dial pulse input of the rotary encoder (RE901) (B phase input) (for VOLUME/BASS/TREBLE/BALANCE/FADER control)
117	$\overline{\text{NOSE-SW}}$	I	Front panel block remove/attach detection signal input from the nose detection switch (S600) “L”: front panel is attached
118	DOORIND	O	LED drive signal output of the tape window illumination and \blacktriangle indicator (LED801, LSW801) “H”: LED on “H” is output to turn on LED when front panel is opened
119	VSS	—	Ground terminal
120	DOLBY	O	Dolby-B on/off select signal output to the CXA2510AQ (IC250) “H”: dolby on

*1 Loading/tape operation motor control

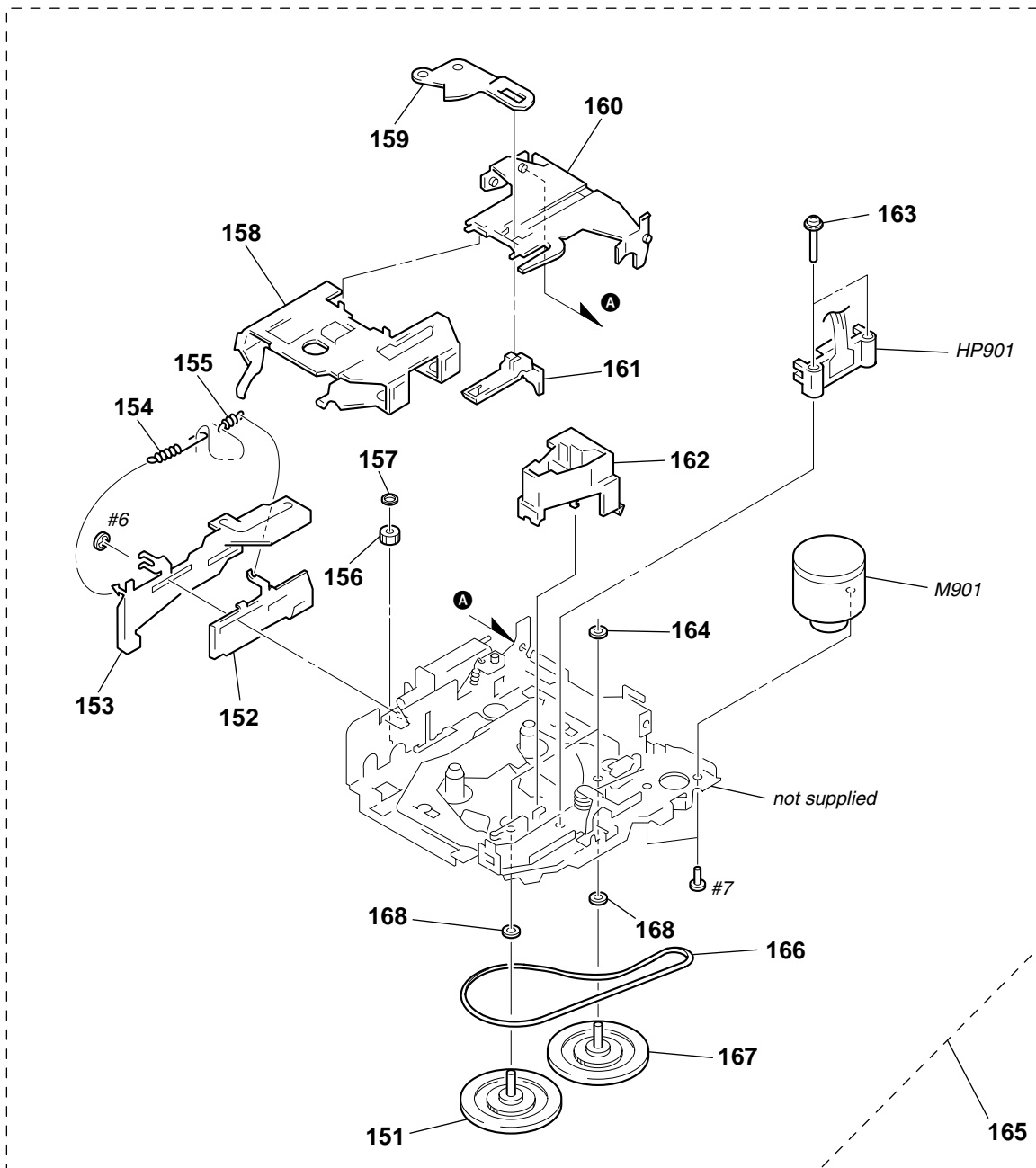
Terminal	Mode	STOP	LOADING/ FORWARD	EJECT/ REVERSE	BRAKE
	LM-LOD (pin ⑥)		“L”	“H”	“L”
LM-EJ (pin ⑨)		“L”	“L”	“H”	“H”

(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3-041-004-01	BUTTON (1-6/D) (◀▶ MODE. 1. 2. 3. 4. 5. 6)		64	X-3378-398-1	PANEL ASSY, FRONT BACK	
52	3-040-987-02	BUTTON (OFF)		65	3-037-267-01	SPRING (OPEN)	
53	3-040-986-01	BUTTON (MENU/SOUND)		66	3-040-989-01	BUTTON (OPEN)	
54	3-041-003-01	BUTTON (LIST/ENTER) (DSPL. LIST. ENTER)		67	3-041-005-01	BUTTON (D) (DSO)	
55	3-040-980-01	BUTTON (SOURCE)		68	3-041-006-01	BUTTON (AF/TA)	
56	3-042-458-01	KNOB (VOL-DSO)		69	X-3378-571-1	PANEL SUB ASSY (C7500RX)	
* 59	3-040-997-01	PLATE (LCD), GROUND		69	X-3378-583-1	PANEL SUB ASSY (C7500R)	
60	1-694-660-11	CONDUCTIVE BOARD, CONNECTION		70	3-045-596-01	CUSHION (OFF)	
* 61	3-041-371-02	SHEET (REFLECTOR)		LCD901	1-803-915-11	DISPLAY PANEL, LIQUID CRYSTAL (C7500R)	
* 62	3-040-993-01	PLATE (LCD), LIGHT GUIDE		LCD901	1-803-915-21	DISPLAY PANEL, LIQUID CRYSTAL (C7500RX)	
* 63	3-040-992-02	HOLDER (LCD)					

**(3) MECHANISM DECK SECTION
(MG-25G-136)**



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-3291-667-A	CLUTCH (FR) ASSY		161	3-933-346-01	CATCHER	
* 152	3-019-130-01	LEVER (LDG-A)		162	3-933-344-01	GUIDE (C)	
* 153	3-019-131-01	LEVER (LDG-B)		163	3-014-798-01	SCREW (HEAD), SPECIAL	
154	3-020-539-01	SPRING (LD-1), TENSION		164	3-364-151-01	WASHER	
155	3-020-540-01	SPRING (LD-2), TENSION		165	A-3220-610-A	MECHANISM DECK ASSY	
156	3-020-542-01	GEAR (LOADING FT)		166	3-017-302-01	BELT (25)	
157	3-341-753-11	WASHER, POLYETHYLENE		167	3-936-853-01	FLYWHEEL (F)	
158	3-020-533-01	HOUSING		168	3-701-437-21	WASHER	
* 159	3-020-532-01	ARM (SUCTION)		HP901	1-500-196-21	HEAD, MAGNETIC (PLAYBACK)	
160	3-020-534-01	HANGER		M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	

SECTION 9 ELECTRICAL PARTS LIST

KEY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Please refer to servicing notes (page 2) for system of TYPE A, B and C.

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, μ : μ , for example:
uA. . : μ A. . uPA. . : μ PA. .
uPB. . : μ PB. . uPC. . : μ PC. .
uPD. . : μ PD. .
- CAPACITORS
uF: μ F
- COILS
uH: μ H

When indicating parts by reference number, please include the board.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>		<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
		KEY BOARD *****			LED902	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
	1-694-660-11	CONDUCTIVE BOARD, CONNECTION			LED902	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
*	3-040-992-02	HOLDER (LCD)			LED903	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
*	3-040-993-01	PLATE (LCD), LIGHT GUIDE			LED903	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
*	3-040-997-01	PLATE (LCD), GROUND			LED904	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
*	3-041-371-02	SHEET (REFLECTOR)			LED904	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
		< CAPACITOR >			LED904	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
C951	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V		LED904	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)
C952	1-163-037-11	CERAMIC CHIP 0.022uF 10%	25V		LED910	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
C953	1-163-137-00	CERAMIC CHIP 680PF 5%	50V		LED911	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
C956	1-164-489-11	CERAMIC CHIP 0.22uF 10%	16V		LED912	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
C960	1-163-037-11	CERAMIC CHIP 0.022uF 10%	25V		LED913	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
C961	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V		LED914	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
C962	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V		LED915	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	
C963	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V				< SWITCH >	
		< CONNECTOR >			LSW901	1-771-610-11	SWITCH, TACTILE (WITH LED) (OFF)	(C7500R)
CN901	1-794-065-21	PLUG, CONNECTOR 14P			LSW901	1-771-883-11	SWITCH, TACTILE (WITH LED) (OFF)	(C7500RX)
		< DIODE >			LSW902	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(C7500R)
D901	8-719-423-32	DIODE MA8120-M-TX			LSW902	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(C7500RX)
D902	8-719-422-64	DIODE MA8062-M-TX			LSW903	1-762-620-21	SWITCH, KEY BOARD (WITH LED)	(SOUND EQ) (C7500R)
D903	8-719-422-64	DIODE MA8062-M-TX			LSW903	1-771-476-11	SWITCH, KEY BOARD (WITH LED)	(SOUND EQ) (C7500RX)
D904	8-719-422-64	DIODE MA8062-M-TX			LSW904	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (MENU)	(C7500R)
D951	8-719-420-90	DIODE MA8051-M-TX			LSW904	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (MENU)	(C7500RX)
D952	8-719-422-64	DIODE MA8062-M-TX			LSW905	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (PTY DSPL)	(C7500R)
D954	8-719-422-89	DIODE MA8082-H-TX			LSW905	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (PTY DSPL)	(C7500RX)
		< IC >			LSW906	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (LIST)	(C7500R)
IC901	8-759-653-26	IC LC75878W			LSW906	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (LIST)	(C7500RX)
IC951	8-749-012-25	IC RS-170-TU			LSW907	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (ENTER)	(C7500R)
		< LIQUID CRYSTAL DISPLAY >			LSW907	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (ENTER)	(C7500RX)
LCD901	1-803-915-11	DISPLAY PANEL, LIQUID CRYSTAL (C7500R)					< LED >	
LCD901	1-803-915-21	DISPLAY PANEL, LIQUID CRYSTAL (C7500RX)			LED901	8-719-026-38	LED CL-150SR-CD-T (ILLUMINATION)	(C7500RX)
		< LED >			LED901	8-719-064-68	LED LBT676-J2/K1/K2 (ILLUMINATION)	(C7500R)

KEY

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
LSW908	1-771-610-11	SWITCH, TACTILE (WITH LED) (◀▶ MODE)	(C7500R)	R922	1-216-807-11	METAL CHIP	68 5% 1/16W (C7500R)
LSW908	1-771-883-11	SWITCH, TACTILE (WITH LED) (◀▶ MODE)	(C7500RX)	R923	1-216-811-11	METAL CHIP	150 5% 1/16W (C7500R)
LSW909	1-762-737-11	SWITCH, KEYBOARD (LED) (DSO)		R923	1-216-812-11	METAL CHIP	180 5% 1/16W (C7500RX)
LSW910	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (TA)	(C7500R)	R924	1-216-807-11	METAL CHIP	68 5% 1/16W (C7500R)
LSW910	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (TA)	(C7500RX)	R925	1-216-811-11	METAL CHIP	150 5% 1/16W (C7500R)
LSW911	1-762-620-21	SWITCH, KEY BOARD (WITH LED) (AF)	(C7500R)	R925	1-216-812-11	METAL CHIP	180 5% 1/16W (C7500RX)
LSW911	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (AF)	(C7500RX)	R926	1-216-807-11	METAL CHIP	68 5% 1/16W (C7500R)
LSW912	1-771-610-11	SWITCH, TACTILE (WITH LED) (6) (C7500R)		R927	1-216-029-00	METAL CHIP	150 5% 1/10W (C7500R)
LSW912	1-771-883-11	SWITCH, TACTILE (WITH LED) (6) (C7500RX)		R927	1-216-031-00	METAL CHIP	180 5% 1/10W (C7500RX)
LSW913	1-771-610-11	SWITCH, TACTILE (WITH LED) (5) (C7500R)		R928	1-216-021-00	METAL CHIP	68 5% 1/10W (C7500R)
LSW913	1-771-883-11	SWITCH, TACTILE (WITH LED) (5) (C7500RX)		R931	1-216-813-11	METAL CHIP	220 5% 1/16W
LSW914	1-771-610-11	SWITCH, TACTILE (WITH LED) (4) (C7500R)		R932	1-216-813-11	METAL CHIP	220 5% 1/16W
LSW914	1-771-883-11	SWITCH, TACTILE (WITH LED) (4) (C7500RX)		R933	1-216-813-11	METAL CHIP	220 5% 1/16W (C7500R)
LSW915	1-771-610-11	SWITCH, TACTILE (WITH LED) (3) (C7500R)		R934	1-216-813-11	METAL CHIP	220 5% 1/16W (C7500R)
LSW915	1-771-883-11	SWITCH, TACTILE (WITH LED) (3) (C7500RX)		R938	1-216-809-11	METAL CHIP	100 5% 1/16W
LSW916	1-771-610-11	SWITCH, TACTILE (WITH LED) (SHUF 2)	(C7500R)	R939	1-216-813-11	METAL CHIP	220 5% 1/16W (C7500RX)
LSW916	1-771-883-11	SWITCH, TACTILE (WITH LED) (SHUF 2)	(C7500RX)	R940	1-216-821-11	METAL CHIP	1K 5% 1/16W (C7500RX)
LSW917	1-771-610-11	SWITCH, TACT (WITH LED) (REP 1)	(C7500R)	R951	1-216-819-11	METAL CHIP	680 5% 1/16W
LSW917	1-771-883-11	SWITCH, TACTILE (WITH LED) (REP 1)	(C7500RX)	R952	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
< TRANSISTOR >				R953	1-216-857-11	METAL CHIP	1M 5% 1/16W
Q901	8-729-904-75	TRANSISTOR	DTD114EK-T-146 (C7500R)	R954	1-216-821-11	METAL CHIP	1K 5% 1/16W
Q902	8-729-904-75	TRANSISTOR	DTD114EK-T-146 (C7500R)	R955	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q903	8-729-904-75	TRANSISTOR	DTD114EK-T-146	R956	1-216-049-11	RES-CHIP	1K 5% 1/10W
< RESISTOR >				R957	1-216-841-11	METAL CHIP	47K 5% 1/16W
R901	1-216-647-11	METAL CHIP	680 0.5% 1/10W	R958	1-216-037-00	METAL CHIP	330 5% 1/10W
R902	1-216-647-11	METAL CHIP	680 0.5% 1/10W	R960	1-216-041-00	METAL CHIP	470 5% 1/10W
R903	1-216-647-11	METAL CHIP	680 0.5% 1/10W	R961	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
R904	1-216-651-11	METAL CHIP	1K 0.5% 1/10W	R962	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
R905	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W	R963	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
R906	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W	R964	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
R907	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W	R970	1-216-815-11	METAL CHIP	330 5% 1/16W
R908	1-216-663-11	METAL CHIP	3.3K 0.5% 1/10W	R971	1-216-815-11	METAL CHIP	330 5% 1/16W
R909	1-216-667-11	METAL CHIP	4.7K 0.5% 1/10W	R972	1-216-041-00	METAL CHIP	470 5% 1/10W
R910	1-216-671-11	METAL CHIP	6.8K 0.5% 1/10W	R973	1-216-815-11	METAL CHIP	330 5% 1/16W
R911	1-208-806-11	RES-CHIP	10K 2% 1/10W	R975	1-216-864-11	METAL CHIP	0 5% 1/16W
R912	1-216-647-11	METAL CHIP	680 0.5% 1/10W	R976	1-216-815-11	METAL CHIP	330 5% 1/16W
R913	1-216-647-11	METAL CHIP	680 0.5% 1/10W	R977	1-216-815-11	METAL CHIP	330 5% 1/16W
R914	1-216-647-11	METAL CHIP	680 0.5% 1/10W	R978	1-216-815-11	METAL CHIP	330 5% 1/16W
R915	1-216-651-11	METAL CHIP	1K 0.5% 1/10W	R999	1-216-864-11	METAL CHIP	0 5% 1/16W (C7500RX)
R916	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W	< ROTARY ENCODER >			
R917	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W	RE901	1-475-014-11	ENCODER, ROTARY (VOLUME/BALANCE/ FADER CONTROL)	
R918	1-216-659-11	METAL CHIP	2.2K 0.5% 1/10W				
R919	1-216-663-11	METAL CHIP	3.3K 0.5% 1/10W				
R920	1-216-667-11	METAL CHIP	4.7K 0.5% 1/10W				
R921	1-216-810-11	METAL CHIP	120 5% 1/16W (C7500RX)				
R921	1-216-811-11	METAL CHIP	150 5% 1/16W (C7500R)				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< SWITCH >		C52	1-163-229-11	CERAMIC CHIP 12PF 5%	50V
S901	1-771-884-11	SWITCH, TACTILE (WITH LED)		C53	1-163-229-11	CERAMIC CHIP 12PF 5%	50V
		(SEEK/AMS - ◀◀◀ ◀◀)		C54	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
S902	1-771-884-11	SWITCH, TACTILE (WITH LED)		C55	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
		(DISC +, PRST +)		C58	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
S903	1-771-884-11	SWITCH, TACTILE (WITH LED)		C59	1-164-505-11	CERAMIC CHIP 2.2uF	16V
		(SEEK/AMS + ▶▶▶ ▶▶)		C60	1-164-739-11	CERAMIC CHIP 560PF 5%	50V
S904	1-771-884-11	SWITCH, TACTILE (WITH LED)					
		(DISC -, PRST -)		C61	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	100V

*	A-3326-274-A	MAIN BOARD, COMPLETE (C7500R: TYPE A)		C62	1-163-263-11	CERAMIC CHIP 330PF 5%	50V
*	A-3326-278-A	MAIN BOARD, COMPLETE (C7500R: TYPE B)		C63	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
*	A-3326-280-A	MAIN BOARD, COMPLETE (C7500R: TYPE C)		C64	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V
*	A-3326-284-A	MAIN BOARD, COMPLETE (C7500RX: TYPE A)		C65	1-124-233-11	ELECT 10uF 20%	16V
*	A-3326-288-A	MAIN BOARD, COMPLETE (C7500RX: TYPE B)		C67	1-124-589-11	ELECT 47uF 20%	16V
*	A-3326-290-A	MAIN BOARD, COMPLETE (C7500RX: TYPE C)		C71	1-109-982-11	CERAMIC CHIP 1uF 10%	10V
		*****		C72	1-104-664-11	ELECT 47uF 20%	16V
				C81	1-124-589-11	ELECT 47uF 20%	16V
*	3-040-996-22	HEAT SINK (2P)		C85	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V
*	3-040-998-01	BRACKET (IC)		C91	1-162-962-11	CERAMIC CHIP 470PF 10%	50V
*	3-041-262-01	HEAT SINK (REG/XR)		C92	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S		C93	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
	7-685-793-09	SCREW +PTT 2.6X8 (S)		C94	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
				C95	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
	7-685-795-09	SCREW +PTT 2.6X12 (S)		C96	1-162-915-11	CERAMIC CHIP 10PF 0.5PF	50V
		< CAPACITOR >		C97	1-125-891-11	CERAMIC CHIP 0.47uF 10%	10V
C10	1-163-233-11	CERAMIC CHIP 18PF 5%	50V	C101	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C12	1-163-809-11	CERAMIC CHIP 0.047uF 10%	25V	C102	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C13	1-124-589-11	ELECT 47uF 20%	16V	C103	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C15	1-163-037-11	CERAMIC CHIP 0.022uF 10%	25V	C104	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C19	1-163-243-11	CERAMIC CHIP 47PF 5%	50V	C105	1-124-233-11	ELECT 10uF 20%	16V
				C106	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C21	1-163-809-11	CERAMIC CHIP 0.047uF 10%	25V	C107	1-163-091-00	CERAMIC CHIP 8PF	50V
C22	1-104-664-11	ELECT 47uF 20%	16V	C108	1-163-091-00	CERAMIC CHIP 8PF	50V
C23	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V				
C24	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C110	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
C25	1-124-233-11	ELECT 10uF 20%	16V	C111	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
				C112	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
C26	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C113	1-162-919-11	CERAMIC CHIP 22PF 5%	50V
C27	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C114	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
C28	1-109-982-11	CERAMIC CHIP 1uF 10%	10V				
C30	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C115	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
C31	1-163-037-11	CERAMIC CHIP 0.022uF 10%	25V	C120	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
				C121	1-124-233-11	ELECT 10uF 20%	16V
C32	1-163-263-11	CERAMIC CHIP 330PF 5%	50V	C122	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C33	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C123	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C35	1-163-017-00	CERAMIC CHIP 0.0047uF 5%	50V				
C36	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V	C124	1-124-584-00	ELECT 100uF 20%	10V
C37	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V	C125	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
				C130	1-124-242-00	ELECT 33uF 20%	25V
C39	1-126-176-11	ELECT 220uF 20%	10V	C131	1-124-584-00	ELECT 100uF 20%	10V
C40	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C132	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C41	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V				
C42	1-117-370-11	CERAMIC CHIP 10uF	10V	C133	1-124-229-00	ELECT 33uF 20%	10V
C43	1-117-370-11	CERAMIC CHIP 10uF	10V	C140	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
				C141	1-162-964-11	CERAMIC CHIP 0.001uF 10%	50V
C44	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C142	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C45	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C143	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C46	1-109-982-11	CERAMIC CHIP 1uF 10%	10V				
C47	1-109-982-11	CERAMIC CHIP 1uF 10%	10V	C144	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C48	1-126-160-11	ELECT 1uF 20%	50V	C145	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
				C146	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V
C49	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V	C147	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V
C50	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C170	1-124-589-11	ELECT 47uF 20%	16V
C51	1-162-962-11	CERAMIC CHIP 470PF 10%	50V				

MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C171	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C364	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C172	1-131-353-00	TANTALUM	10uF	10%	35V	C365	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C174	1-131-353-00	TANTALUM	10uF	10%	35V						
C201	1-124-234-00	ELECT	22uF	20%	16V	C366	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C204	1-117-370-11	CERAMIC CHIP	10uF		10V	C371	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
						C411	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C205	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C412	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C206	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C414	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C207	1-164-222-11	CERAMIC CHIP	0.22uF		25V						
C210	1-126-934-11	ELECT	220uF	20%	16V	C416	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C230	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C417	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
						C418	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C231	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	C431	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C232	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	C432	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C233	1-163-263-11	CERAMIC CHIP	330PF	5%	50V						
C234	1-163-263-11	CERAMIC CHIP	330PF	5%	50V	C434	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C235	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C436	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
						C437	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C236	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	C438	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C237	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C452	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C238	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V						
C239	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C454	1-124-234-00	ELECT	22uF	20%	16V
C240	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C460	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
						C461	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C241	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	C462	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C242	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	C463	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
C243	1-163-263-11	CERAMIC CHIP	330PF	5%	50V						
C244	1-163-263-11	CERAMIC CHIP	330PF	5%	50V	C464	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C245	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C465	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
						C466	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C246	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V	C471	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C247	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C500	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C248	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V						
C249	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C501	1-124-229-00	ELECT	33uF	20%	10V
C250	1-124-234-00	ELECT	22uF	20%	16V	C521	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
											(C7500RX)
C251	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V	C522	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C252	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V						(C7500RX)
C253	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C531	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C254	1-131-353-00	TANTALUM	10uF	10%	35V	C532	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C255	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
						C533	1-124-589-11	ELECT	47uF	20%	16V
C256	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C540	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C257	1-162-927-11	CERAMIC CHIP	100PF	5%	50V						
C258	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	C551	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C259	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V	C552	1-126-933-11	ELECT	100uF	20%	16V
C311	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C553	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C561	1-128-057-11	ELECT	330uF	20%	6.3V
C312	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C562	1-125-710-11	DOUBLE LAYER	0.1F		5.5V
C314	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V						
C316	1-163-181-00	CERAMIC CHIP	100PF	5%	50V	C563	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C317	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	C571	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C318	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C572	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
						C580	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C331	1-109-982-11	CERAMIC CHIP	1uF	10%	10V	C581	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C332	1-109-982-11	CERAMIC CHIP	1uF	10%	10V						
C334	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V	C582	1-163-181-00	CERAMIC CHIP	100PF	5%	50V
C336	1-163-181-00	CERAMIC CHIP	100PF	5%	50V	C600	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C602	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
						C603	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C338	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	C604	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C352	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V						
C353	1-124-234-00	ELECT	22uF	20%	16V	C605	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C354	1-124-234-00	ELECT	22uF	20%	16V	C606	1-124-584-00	ELECT	100uF	20%	10V
C360	1-163-137-00	CERAMIC CHIP	680PF	5%	50V	C608	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
						C610	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C361	1-115-412-11	CERAMIC CHIP	680PF	5%	25V	C611	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C362	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V						
C363	1-163-137-00	CERAMIC CHIP	680PF	5%	50V	C612	1-164-315-11	CERAMIC CHIP	470PF	5%	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C613	1-163-235-11	CERAMIC CHIP	22PF 5% 50V	D506	8-719-057-80	DIODE MA8180-M-TX (C7500RX)	
C614	1-163-235-11	CERAMIC CHIP	22PF 5% 50V	D507	8-719-977-12	DIODE DTZ5.6B	
C616	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	D508	8-719-073-01	DIODE MA111-TX	
C617	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V				
C620	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	D520	8-719-073-01	DIODE MA111-TX	
C650	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D521	8-719-977-12	DIODE DTZ5.6B (C7500RX)	
C661	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	D522	8-719-977-12	DIODE DTZ5.6B (C7500RX)	
C701	1-126-933-11	ELECT	100uF 20% 16V	D530	8-719-073-01	DIODE MA111-TX	
C703	1-124-233-11	ELECT	10uF 20% 16V	D551	8-719-067-56	DIODE MA112-TX	
C704	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V				
C705	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	D553	8-719-067-56	DIODE MA112-TX	
C707	1-124-589-11	ELECT	47uF 20% 16V	D554	8-719-073-01	DIODE MA111-TX	
C708	1-164-505-11	CERAMIC CHIP	2.2uF 10% 16V	D555	8-719-073-01	DIODE MA111-TX	
C709	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D580	8-719-400-20	DIODE MA152WA-TX	
C710	1-163-181-00	CERAMIC CHIP	100PF 5% 50V	D581	8-719-423-32	DIODE MA8120-M	
C711	1-136-227-11	MYLAR	0.001uF 5% 50V				
C712	1-136-227-11	MYLAR	0.001uF 5% 50V	D582	8-719-977-12	DIODE DTZ5.6B	
C713	1-107-885-31	ELECT	3300uF 20% 16V	D583	8-719-977-12	DIODE DTZ5.6B	
C714	1-136-165-00	FILM	0.1uF 5% 50V	D584	8-719-977-12	DIODE DTZ5.6B	
C715	1-126-163-11	ELECT	4.7uF 20% 50V (C7500RX)	D585	8-719-977-12	DIODE DTZ5.6B	
C716	1-126-163-11	ELECT	4.7uF 20% 50V	D586	8-719-977-12	DIODE DTZ5.6B	
C717	1-163-181-00	CERAMIC CHIP	100PF 5% 50V	D587	8-719-977-12	DIODE DTZ5.6B	
C800	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D588	8-719-977-12	DIODE DTZ5.6B	
C801	1-163-235-11	CERAMIC CHIP	22PF 5% 50V	D589	8-719-977-12	DIODE DTZ5.6B	
C802	1-163-235-11	CERAMIC CHIP	22PF 5% 50V	D590	8-719-423-23	DIODE MA8110-M	
C803	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	D591	8-719-073-01	DIODE MA111-TX	
C804	1-124-589-11	ELECT	47uF 20% 16V				
C805	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D592	8-719-073-01	DIODE MA111-TX	
C807	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D593	8-719-977-12	DIODE DTZ5.6B	
C820	1-107-826-11	CERAMIC CHIP	0.1uF 10% 16V	D594	8-719-977-12	DIODE DTZ5.6B	
C821	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	D595	8-719-423-32	DIODE MA8120-M	
C822	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	D601	8-719-420-90	DIODE MA8051-M	
C823	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V				
C824	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	D661	8-719-073-01	DIODE MA111-TX	
< CONNECTOR >				D662	8-719-073-01	DIODE MA111-TX	
CN13	1-774-700-11	JACK, PIN 6P (BUS AUDIO IN, AUDIO OUT FRONT/REAR)		D700	8-719-073-01	DIODE MA111-TX	
* CN201	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P		D702	8-719-801-78	DIODE ISS184	
CN250	1-766-260-11	CONNECTOR, FFC/FPC (ZIF) 7P		D703	8-719-977-12	DIODE DTZ5.6B	
CN500	1-580-907-31	PLUG, CONNECTOR (BUS CONTROL IN)					
CN580	1-784-456-11	CONNECTOR, FFC/FPC 14P		D704	8-719-801-78	DIODE ISS184	
CN700	1-774-701-11	PIN, CONNECTOR 16P (POWER)		D705	8-719-422-76	DIODE MA8075-M	
< DIODE >				D706	8-719-422-12	DIODE MA8039	
D20	8-719-422-12	DIODE MA8039-TX		D707	8-719-422-12	DIODE MA8039	
D52	8-719-073-01	DIODE MA111-TX		D708	8-719-422-64	DIODE MA8062-M	
D70	8-719-977-03	DIODE DTZ5.6B					
D170	8-719-073-01	DIODE MA111-TX		D709	8-719-073-01	DIODE MA111-TX	
D201	8-719-053-18	DIODE 1SR154-400TE-25		D711	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D202	8-719-422-97	DIODE MA8091-M		D712	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D500	8-719-057-80	DIODE MA8180-M-TX		D713	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D501	8-719-073-01	DIODE MA111-TX		D714	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D502	8-719-073-01	DIODE MA111-TX					
D503	8-719-057-80	DIODE MA8180-M-TX (C7500RX)		D715	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D504	8-719-057-80	DIODE MA8180-M-TX (C7500RX)		D716	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
D505	8-719-072-70	DIODE MA2ZD14001S0		D717	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
				D718	8-719-079-97	DIODE CRZ22 (TE85L.SONY)	
				D722	8-719-053-18	DIODE 1SR154-400TE-25	
				D723	8-719-053-18	DIODE 1SR154-400TE-25	
				D724	8-719-057-80	DIODE MA8180-M-TX (C7500RX)	
				D725	8-719-977-03	DIODE DTZ5.6B	
				D730	8-719-049-38	DIODE 1N5404TU	
				D800	8-719-073-01	DIODE MA111-TX	
				D801	8-719-400-20	DIODE MA152WA	
				< FERRITE BEAD >			
				FB101	1-469-152-11	FERRITE 0uH	

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
FB103	1-469-152-11	FERRITE	0uH	Q50	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR
FB104	1-469-152-11	FERRITE	0uH	Q70	8-729-106-68	TRANSISTOR	2SD1664-T100-R
FB601	1-469-152-11	FERRITE	0uH	Q81	8-729-900-53	TRANSISTOR	DTC114EKA-T146
FB602	1-469-152-11	FERRITE	0uH	Q82	8-729-106-60	TRANSISTOR	2SB1132-T100-R
FB603	1-469-152-11	FERRITE	0uH	Q130	8-729-106-68	TRANSISTOR	2SD1664-T100-R
FB604	1-469-152-11	FERRITE	0uH	Q202	8-729-020-67	TRANSISTOR	XN1A312-TX
FB605	1-469-152-11	FERRITE	0uH	Q203	8-729-931-13	TRANSISTOR	2SD1858-P-TV2
		< IC >		Q204	8-729-106-60	TRANSISTOR	2SB1132-T100-R
IC10	8-759-653-27	IC TDA7402TR		Q205	8-729-900-53	TRANSISTOR	DTC114EKA-T146
IC41	8-759-909-71	IC BA4558F		Q311	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC50	8-759-650-68	IC SAA6588T/V2-118		Q312	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC90	8-759-909-71	IC BA4558F		Q331	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC100	8-752-402-48	IC CXD2726Q-4		Q332	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC130	8-759-641-14	IC NJM2380U (TE1)		Q406	8-729-027-23	TRANSISTOR	DTA114EKA-T146
IC170	8-759-652-44	IC BA033ST-V5		Q407	8-729-027-23	TRANSISTOR	DTA114EKA-T146
IC201	8-759-527-33	IC LB1930M-TLM		Q411	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC250	8-752-079-79	IC CXA2510AQ-T4		Q412	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC300	8-759-909-71	IC BA4558F		Q431	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC301	8-759-909-71	IC BA4558F		Q432	8-729-920-21	TRANSISTOR	DTC314TK-T-146
IC400	8-759-909-71	IC BA4558F		Q500	8-729-900-53	TRANSISTOR	DTC114EKA-T146
IC401	8-759-909-71	IC BA4558F		Q501	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR
IC500	8-759-449-89	IC BA8270F-E2		Q502	8-729-216-22	TRANSISTOR	2SA1037K-T-146-R
IC530	8-759-564-82	IC BA09ST-V5		Q503	8-729-027-23	TRANSISTOR	DTA114EKA-T146
IC550	8-759-540-27	IC TA78DL06AS		Q580	8-729-020-67	TRANSISTOR	XN1A312-TX
IC560	8-759-574-61	IC XC61AN4302MR		Q581	8-729-020-67	TRANSISTOR	XN1A312-TX
IC570	8-759-495-76	IC RN5VD33AA-TL		Q582	8-729-423-99	TRANSISTOR	2SD2137-OP-TA
IC600	8-759-665-95	IC MB90574BPMT-G-265-BND		Q583	8-729-021-94	FET	2SK1657-T1B
IC700	8-759-663-88	IC TA8268H		Q600	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR
IC800	8-759-672-71	IC HD6432355A21F		Q601	8-729-900-53	TRANSISTOR	DTC114EKA-T146
IC801	8-759-277-63	IC TC7W14FU (TE12R)		Q640	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR
		< JACK >		Q660	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR
J1	1-764-808-21	JACK (ANT) (FM/AM ANTENNA)		Q700	8-729-027-23	TRANSISTOR	DTA114EKA-T146
J520	1-566-822-41	JACK (REMOTE IN)		Q701	8-729-021-94	FET	2SK1657-T1B
		< SHORT >		Q704	8-729-900-53	TRANSISTOR	DTC114EKA-T146
JC10	1-216-295-00	SHORT	0	Q705	8-729-021-94	FET	2SK1657-T1B
JC101	1-216-295-00	SHORT	0	Q710	8-729-821-63	TRANSISTOR	2SB1203T-TL
JC501	1-216-295-00	SHORT	0	Q711	8-729-900-53	TRANSISTOR	DTC114EKA-T146
JC602	1-216-295-00	SHORT	0	Q720	8-729-821-63	TRANSISTOR	2SB1203T-TL
JC603	1-216-295-00	SHORT	0	Q721	8-729-900-53	TRANSISTOR	DTC114EKA-T146
JC701	1-216-295-00	SHORT	0			< RESISTOR >	
		< COIL >		R10	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
L50	1-410-196-11	INDUCTOR CHIP	2.2uH	R11	1-216-295-00	SHORT	0
L51	1-216-150-00	RES-CHIP	10 5% 1/8W	R12	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
L130	1-410-204-31	INDUCTOR CHIP	10uH	R13	1-216-295-00	SHORT	0
L170	1-410-946-31	INDUCTOR CHIP	22uH	R14	1-216-809-11	METAL CHIP	100 5% 1/16W
L701	1-419-476-11	INDUCTOR	250uH	R15	1-216-809-11	METAL CHIP	100 5% 1/16W
L800	1-410-204-31	INDUCTOR CHIP	10uH	R16	1-216-295-00	SHORT	0
		< TRANSISTOR >		R17	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
Q11	8-729-120-28	TRANSISTOR	2SC2412K-T-146-QR	R18	1-216-295-00	SHORT	0
Q20	8-729-020-67	TRANSISTOR	XN1A312-TX	R19	1-216-295-00	SHORT	0
Q21	8-729-920-21	TRANSISTOR	DTC314TK-T-146	R20	1-216-037-00	METAL CHIP	330 5% 1/10W
Q22	8-729-920-21	TRANSISTOR	DTC314TK-T-146	R21	1-216-839-11	METAL CHIP	33K 5% 1/16W
				R22	1-216-841-11	METAL CHIP	47K 5% 1/16W
				R23	1-216-819-11	METAL CHIP	680 5% 1/16W
				R25	1-216-089-00	RES-CHIP	47K 5% 1/10W
				R26	1-216-809-11	METAL CHIP	100 5% 1/16W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R27	1-216-809-11	METAL CHIP	100	5%	1/16W	R206	1-216-073-00	METAL CHIP	10K	5%	1/10W
R28	1-216-298-00	METAL CHIP	2.2	5%	1/10W	R207	1-216-198-00	RES-CHIP	1K	5%	1/8W
R29	1-216-001-00	METAL CHIP	10	5%	1/10W	R230	1-216-097-00	RES-CHIP	100K	5%	1/10W
R30	1-216-295-00	SHORT	0			R231	1-216-097-00	RES-CHIP	100K	5%	1/10W
R41	1-216-001-00	METAL CHIP	10	5%	1/10W	R233	1-216-851-11	METAL CHIP	330K	5%	1/16W
R50	1-216-113-00	METAL CHIP	470K	5%	1/10W	R234	1-216-836-11	METAL CHIP	18K	5%	1/16W
R51	1-216-821-11	METAL CHIP	1K	5%	1/16W	R235	1-216-835-11	METAL CHIP	15K	5%	1/16W
R52	1-216-061-11	METAL CHIP	3.3K	5%	1/10W	R239	1-216-295-00	SHORT	0		
R53	1-216-817-11	METAL CHIP	470	5%	1/16W	R240	1-216-097-00	RES-CHIP	100K	5%	1/10W
R54	1-216-809-11	METAL CHIP	100	5%	1/16W	R241	1-216-097-00	RES-CHIP	100K	5%	1/10W
R55	1-216-809-11	METAL CHIP	100	5%	1/16W	R243	1-216-851-11	METAL CHIP	330K	5%	1/16W
R56	1-216-001-00	METAL CHIP	10	5%	1/10W	R244	1-216-836-11	METAL CHIP	18K	5%	1/16W
R57	1-216-845-11	METAL CHIP	100K	5%	1/16W	R245	1-216-835-11	METAL CHIP	15K	5%	1/16W
R58	1-216-845-11	METAL CHIP	100K	5%	1/16W	R250	1-208-812-11	RES-CHIP	18K	2%	1/10W
R71	1-216-821-11	METAL CHIP	1K	5%	1/16W	R251	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R73	1-216-864-11	METAL CHIP	0	5%	1/16W	R252	1-216-077-00	RES-CHIP	15K	5%	1/10W
R81	1-216-073-00	METAL CHIP	10K	5%	1/10W	R253	1-216-105-00	RES-CHIP	220K	5%	1/10W
R82	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R254	1-216-864-11	SHORT	0		
R91	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R255	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R92	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R256	1-216-864-11	METAL CHIP	0	5%	1/16W
R93	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R257	1-216-295-00	SHORT	0		
R94	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R258	1-216-864-11	METAL CHIP	0	5%	1/16W
R95	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R311	1-216-097-00	RES-CHIP	100K	5%	1/10W
R96	1-216-845-11	METAL CHIP	100K	5%	1/16W	R312	1-216-835-11	METAL CHIP	15K	5%	1/16W
R97	1-216-809-11	METAL CHIP	100	5%	1/16W	R313	1-216-864-11	METAL CHIP	0	5%	1/16W
R104	1-216-840-11	METAL CHIP	39K	5%	1/16W	R314	1-216-025-00	RES-CHIP	100	5%	1/10W
R105	1-216-083-00	METAL CHIP	27K	5%	1/10W	R315	1-216-081-00	METAL CHIP	22K	5%	1/10W
R106	1-216-083-00	METAL CHIP	27K	5%	1/10W	R317	1-216-837-11	METAL CHIP	22K	5%	1/16W
R107	1-216-129-00	METAL CHIP	2.2M	5%	1/10W	R319	1-216-821-11	METAL CHIP	1K	5%	1/16W
R108	1-216-840-11	METAL CHIP	39K	5%	1/16W	R331	1-216-097-00	RES-CHIP	100K	5%	1/10W
R109	1-216-083-00	METAL CHIP	27K	5%	1/10W	R332	1-216-077-00	RES-CHIP	15K	5%	1/10W
R110	1-216-083-00	METAL CHIP	27K	5%	1/10W	R333	1-216-864-11	METAL CHIP	0	5%	1/16W
R111	1-216-125-00	METAL CHIP	1.5M	5%	1/10W	R334	1-216-025-00	RES-CHIP	100	5%	1/10W
R112	1-216-049-11	RES-CHIP	1K	5%	1/10W	R335	1-216-081-00	METAL CHIP	22K	5%	1/10W
R113	1-216-049-11	RES-CHIP	1K	5%	1/10W	R337	1-216-837-11	METAL CHIP	22K	5%	1/16W
R114	1-216-025-00	RES-CHIP	100	5%	1/10W	R339	1-216-049-11	RES-CHIP	1K	5%	1/10W
R115	1-216-025-00	RES-CHIP	100	5%	1/10W	R351	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R116	1-216-049-11	RES-CHIP	1K	5%	1/10W	R352	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R117	1-216-049-11	RES-CHIP	1K	5%	1/10W	R360	1-216-833-11	RES-CHIP	10K	5%	1/16W
R118	1-216-097-00	RES-CHIP	100K	5%	1/10W	R361	1-216-833-11	RES-CHIP	10K	5%	1/16W
R119	1-216-073-00	METAL CHIP	10K	5%	1/10W	R362	1-216-833-11	RES-CHIP	10K	5%	1/16W
R120	1-216-049-11	RES-CHIP	1K	5%	1/10W	R363	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R121	1-216-097-00	RES-CHIP	100K	5%	1/10W	R364	1-216-841-11	METAL CHIP	47K	5%	1/16W
R122	1-216-097-00	RES-CHIP	100K	5%	1/10W	R365	1-216-073-00	METAL CHIP	10K	5%	1/10W
R123	1-216-097-00	RES-CHIP	100K	5%	1/10W	R366	1-216-073-00	METAL CHIP	10K	5%	1/10W
R124	1-216-295-00	SHORT	0			R367	1-216-073-00	METAL CHIP	10K	5%	1/10W
R125	1-216-037-00	METAL CHIP	330	5%	1/10W	R368	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R126	1-216-025-00	RES-CHIP	100	5%	1/10W	R369	1-216-089-00	RES-CHIP	47K	5%	1/10W
R131	1-216-134-00	RES-CHIP	2.2	5%	1/8W	R371	1-216-025-00	RES-CHIP	100	5%	1/10W
R132	1-216-033-00	METAL CHIP	220	5%	1/10W	R372	1-216-073-00	METAL CHIP	10K	5%	1/10W
R133	1-216-033-00	METAL CHIP	220	5%	1/10W	R411	1-216-845-11	METAL CHIP	100K	5%	1/16W
R134	1-216-045-00	METAL CHIP	680	5%	1/10W	R412	1-216-835-11	METAL CHIP	15K	5%	1/16W
R135	1-216-025-00	RES-CHIP	100	5%	1/10W	R413	1-216-864-11	METAL CHIP	0	5%	1/16W
R201	1-216-150-00	RES-CHIP	10	5%	1/8W	R414	1-216-025-00	RES-CHIP	100	5%	1/10W
R202	1-216-150-00	RES-CHIP	10	5%	1/8W	R415	1-216-081-00	METAL CHIP	22K	5%	1/10W
R203	1-216-150-00	RES-CHIP	10	5%	1/8W	R417	1-216-837-11	METAL CHIP	22K	5%	1/16W
R204	1-216-150-00	RES-CHIP	10	5%	1/8W	R419	1-216-049-11	RES-CHIP	1K	5%	1/10W
R205	1-216-065-00	RES-CHIP	4.7K	5%	1/10W						

MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R431	1-216-845-11	METAL CHIP	100K	5%	1/16W	R589	1-216-097-00	RES-CHIP	100K	5%	1/10W
R432	1-216-835-11	METAL CHIP	15K	5%	1/16W	R590	1-216-025-00	RES-CHIP	100	5%	1/10W
R433	1-216-864-11	METAL CHIP	0	5%	1/16W	R591	1-216-097-00	RES-CHIP	100K	5%	1/10W
R434	1-216-025-00	RES-CHIP	100	5%	1/10W	R592	1-216-025-00	RES-CHIP	100	5%	1/10W
R435	1-216-081-00	METAL CHIP	22K	5%	1/10W	R593	1-216-049-11	RES-CHIP	1K	5%	1/10W
R437	1-216-837-11	METAL CHIP	22K	5%	1/16W	R594	1-216-049-11	RES-CHIP	1K	5%	1/10W
R439	1-216-821-11	METAL CHIP	1K	5%	1/16W	R595	1-216-049-11	RES-CHIP	1K	5%	1/10W
R451	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R596	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R452	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	R597	1-216-001-00	METAL CHIP	10	5%	1/10W
R460	1-216-833-11	RES-CHIP	10K	5%	1/16W	R598	1-216-001-00	METAL CHIP	10	5%	1/10W
R461	1-216-073-00	METAL CHIP	10K	5%	1/10W	R599	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R462	1-216-833-11	RES-CHIP	10K	5%	1/16W	R601	1-216-097-00	RES-CHIP	100K	5%	1/10W
R463	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R602	1-216-097-00	RES-CHIP	100K	5%	1/10W
R464	1-216-841-11	METAL CHIP	47K	5%	1/16W	R603	1-216-097-00	RES-CHIP	100K	5%	1/10W
R465	1-216-833-11	RES-CHIP	10K	5%	1/16W	R604	1-216-821-11	METAL CHIP	1K	5%	1/16W
R466	1-216-073-00	METAL CHIP	10K	5%	1/10W	R605	1-216-295-00	SHORT	0		
R467	1-216-833-11	RES-CHIP	10K	5%	1/16W	R606	1-216-073-00	RES-CHIP	10K	5%	1/10W (TYPE B, C)
R468	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R607	1-216-081-00	RES-CHIP	22K	5%	1/10W (TYPE C)
R469	1-216-841-11	METAL CHIP	47K	5%	1/16W	R607	1-216-295-00	SHORT	0 (TYPE A)		
R471	1-216-025-00	RES-CHIP	100	5%	1/10W	R608	1-216-809-11	METAL CHIP	100	5%	1/16W
R472	1-216-073-00	METAL CHIP	10K	5%	1/10W	R609	1-216-837-11	METAL CHIP	22K	5%	1/16W
R501	1-216-025-00	RES-CHIP	100	5%	1/10W	R610	1-216-845-11	METAL CHIP	100K	5%	1/16W
R502	1-216-845-11	METAL CHIP	100K	5%	1/16W	R611	1-216-845-11	METAL CHIP	100K	5%	1/16W
R503	1-216-089-00	RES-CHIP	47K	5%	1/10W	R612	1-216-097-00	RES-CHIP	100K	5%	1/10W
R504	1-216-089-00	RES-CHIP	47K	5%	1/10W	R613	1-216-097-00	RES-CHIP	100K	5%	1/10W
R505	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	R614	1-216-097-00	RES-CHIP	100K	5%	1/10W
R506	1-216-073-00	METAL CHIP	10K	5%	1/10W	R615	1-216-097-00	RES-CHIP	100K	5%	1/10W
R507	1-216-025-00	RES-CHIP	100	5%	1/10W	R616	1-216-845-11	METAL CHIP	100K	5%	1/16W
R508	1-216-841-11	METAL CHIP	47K	5%	1/16W	R617	1-216-073-00	METAL CHIP	10K	5%	1/10W
R509	1-216-833-11	RES-CHIP	10K	5%	1/16W	R619	1-216-073-00	METAL CHIP	10K	5%	1/10W
R511	1-216-017-00	RES-CHIP	47	5%	1/10W	R622	1-216-833-11	RES-CHIP	10K	5%	1/16W
R520	1-216-073-00	METAL CHIP	10K	5%	1/10W	R623	1-216-097-00	RES-CHIP	100K	5%	1/10W
R521	1-208-806-11	RES-CHIP	10K	0.5%	1/10W	R624	1-216-049-11	RES-CHIP	1K	5%	1/10W
R522	1-216-025-00	RES-CHIP	100	5%	1/10W	R625	1-216-049-11	RES-CHIP	1K	5%	1/10W
R523	1-216-025-00	RES-CHIP	100	5%	1/10W	R626	1-216-097-00	RES-CHIP	100K	5%	1/10W
R544	1-216-841-11	METAL CHIP	47K	5%	1/16W	R628	1-216-821-11	METAL CHIP	1K	5%	1/16W
R545	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R631	1-216-097-00	RES-CHIP	100K	5%	1/10W
R561	1-216-845-11	METAL CHIP	100K	5%	1/16W	R632	1-216-097-00	RES-CHIP	100K	5%	1/10W
R569	1-216-001-00	METAL CHIP	10	5%	1/10W	R633	1-216-809-11	METAL CHIP	100	5%	1/16W
R570	1-216-001-00	METAL CHIP	10	5%	1/10W	R635	1-216-073-00	METAL CHIP	10K	5%	1/10W
R571	1-216-097-00	RES-CHIP	100K	5%	1/10W	R640	1-216-833-11	RES-CHIP	10K	5%	1/16W
R572	1-216-025-00	RES-CHIP	100	5%	1/10W	R641	1-216-833-11	RES-CHIP	10K	5%	1/16W
R573	1-216-025-00	RES-CHIP	100	5%	1/10W	R642	1-216-839-11	METAL CHIP	33K	5%	1/16W
R574	1-216-001-00	METAL CHIP	10	5%	1/10W	R643	1-216-097-00	RES-CHIP	100K	5%	1/10W
R575	1-216-001-00	METAL CHIP	10	5%	1/10W	R644	1-216-845-11	METAL CHIP	100K	5%	1/16W
R576	1-216-025-00	RES-CHIP	100	5%	1/10W	R645	1-216-085-00	METAL CHIP	33K	5%	1/10W
R577	1-216-025-00	RES-CHIP	100	5%	1/10W	R646	1-216-089-00	RES-CHIP	47K	5%	1/10W
R578	1-216-001-00	METAL CHIP	10	5%	1/10W	R647	1-216-864-11	METAL CHIP	0	5%	1/16W
R579	1-216-001-00	METAL CHIP	10	5%	1/10W	R648	1-216-864-11	METAL CHIP	0	5%	1/16W
R580	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R649	1-216-864-11	METAL CHIP	0	5%	1/16W
R581	1-208-806-11	RES-CHIP	10K	0.5%	1/10W	R650	1-216-864-11	METAL CHIP	0	5%	1/16W
R582	1-208-806-11	RES-CHIP	10K	0.5%	1/10W	R652	1-216-821-11	METAL CHIP	1K	5%	1/16W
R583	1-216-025-00	RES-CHIP	100	5%	1/10W	R654	1-216-839-11	METAL CHIP	33K	5%	1/16W
R584	1-216-025-00	RES-CHIP	100	5%	1/10W	R655	1-216-821-11	METAL CHIP	1K	5%	1/16W
R585	1-216-025-00	RES-CHIP	100	5%	1/10W	R656	1-216-821-11	METAL CHIP	1K	5%	1/16W
R586	1-216-025-00	RES-CHIP	100	5%	1/10W	R659	1-216-821-11	METAL CHIP	1K	5%	1/16W
R587	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R588	1-216-049-11	RES-CHIP	1K	5%	1/10W						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R661	1-216-089-00	RES-CHIP	47K 5% 1/10W	RB601	1-236-904-11	NETWORK RESISTOR (CHIP) 1K	
R662	1-216-085-00	METAL CHIP	33K 5% 1/10W	RB603	1-239-412-11	NETWORK RESISTOR (CHIP) 100	
R663	1-216-857-11	METAL CHIP	1M 5% 1/16W			< VARIABLE RESISTOR >	
R664	1-216-809-11	METAL CHIP	100 5% 1/16W	RV230	1-223-829-11	RES, ADJ, CARBON 1K	
R671	1-216-809-11	METAL CHIP	100 5% 1/16W	RV240	1-223-829-11	RES, ADJ, CARBON 1K	
R672	1-216-809-11	METAL CHIP	100 5% 1/16W			< SWITCH >	
R673	1-216-821-11	METAL CHIP	1K 5% 1/16W	S500	1-692-431-21	SWITCH, TACTILE (RESET)	
R674	1-216-821-11	METAL CHIP	1K 5% 1/16W	S600	1-771-540-11	SWITCH, PUSH (1 KEY) (NOSE DETECT)	
R675	1-216-295-00	SHORT	0 (C7500R)			< THERMISTOR >	
R676	1-216-097-00	RES-CHIP	100K 5% 1/10W (C7500RX)	TH501	1-803-350-21	THERMISTOR, POSITIVE	
R690	1-216-833-11	RES-CHIP	10K 5% 1/16W	TH700	1-801-726-11	THERMISTOR, POSITIVE	
R700	1-216-833-11	METAL CHIP	10K 5% 1/16W	TH701	1-801-726-11	THERMISTOR, POSITIVE	
R701	1-216-017-00	RES-CHIP	47 5% 1/10W			< TUNER UNIT >	
R704	1-216-821-11	METAL CHIP	1K 5% 1/16W	TUX1	A-3220-738-A	FM/AM TUNER UNIT (TUX-020)	
R705	1-216-821-11	METAL CHIP	1K 5% 1/16W			< VIBRATOR >	
R707	1-216-295-00	SHORT	0	X50	1-579-242-41	VIBRATOR, CRYSTAL (4.332MHz)	
R708	1-216-841-11	RES-CHIP	47K 5% 1/16W	X100	1-579-280-31	VIBRATOR, CRYSTAL (16.933MHz)	
R709	1-216-845-11	METAL CHIP	100K 5% 1/16W	X600	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)	
R710	1-216-025-00	RES-CHIP	100 5% 1/10W	X601	1-767-833-21	VIBRATOR, CERAMIC (3.68MHz)	
R711	1-216-222-00	RES-CHIP	10K 5% 1/8W	X800	1-781-294-21	VIBRATOR, CRYSTAL (18.432MHz)	
R712	1-216-214-00	RES-CHIP	4.7K 5% 1/8W	*****			
R713	1-216-089-00	RES-CHIP	47K 5% 1/10W	*	1-676-603-12	SUB BOARD	*****
R714	1-216-841-11	METAL CHIP	47K 5% 1/16W				
R715	1-216-841-11	METAL CHIP	47K 5% 1/16W		1-792-195-11	CABLE, FLEXIBLE FLAT	
R716	1-216-206-00	RES-CHIP	2.2K 5% 1/8W			< CONNECTOR >	
R717	1-216-841-11	METAL CHIP	47K 5% 1/16W	CN801	1-794-064-11	SOCKET, CONNECTOR 14P (C7500RX)	
R718	1-216-206-00	RES-CHIP	2.2K 5% 1/8W	CNP801	1-794-064-11	SOCKET, CONNECTOR 14P (C7500R)	
R719	1-216-214-00	RES-CHIP	4.7K 5% 1/8W			< LED >	
R725	1-216-049-11	RES-CHIP	1K 5% 1/10W	LED801	8-719-038-07	LED CL-190PG-CD-T (TAPE WINDOW)	(C7500R)
R800	1-216-033-00	METAL CHIP	220 5% 1/10W	LED801	8-719-061-16	LED CL-190SR-CD-T (TAPE WINDOW)	(C7500RX)
R801	1-216-845-11	METAL CHIP	100K 5% 1/16W			< SWITCH >	
R802	1-216-049-11	RES-CHIP	1K 5% 1/10W	LSW801	1-771-609-11	SWITCH, TACTILE (WITH LED) (▲) (C7500R)	
R803	1-216-097-00	RES-CHIP	100K 5% 1/10W	LSW801	1-771-883-11	SWITCH, TACTILE (WITH LED) (▲) (C7500RX)	
R804	1-216-809-11	METAL CHIP	100 5% 1/16W	*****			
R805	1-216-809-11	METAL CHIP	100 5% 1/16W			MISCELLANEOUS	*****
R806	1-216-049-11	RES-CHIP	1K 5% 1/10W	3	1-792-195-11	CABLE, FLEXIBLE FLAT	
R807	1-216-845-11	METAL CHIP	100K 5% 1/16W	14	1-776-207-72	CORD (WITH CONNECTOR) (POWER) (E)	
R808	1-216-845-11	METAL CHIP	100K 5% 1/16W	14	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)	(EXCEPT E)
R809	1-216-025-00	RES-CHIP	100 5% 1/10W	60	1-694-660-11	CONDUCTIVE BOARD, CONNECTION	
R810	1-216-025-00	RES-CHIP	100 5% 1/10W	F1	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)	
R811	1-216-025-00	RES-CHIP	100 5% 1/10W	HP901	1-500-196-21	HEAD, MAGNETIC (PLAYBACK)	
R812	1-216-845-11	METAL CHIP	100K 5% 1/16W	LCD901	1-803-915-11	DISPLAY PANEL, LIQUID CRYSTAL (C7500R)	
R813	1-216-845-11	METAL CHIP	100K 5% 1/16W	LCD901	1-803-915-21	DISPLAY PANEL, LIQUID CRYSTAL (C7500RX)	
R814	1-216-845-11	METAL CHIP	100K 5% 1/16W	M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	
R814	1-216-845-11	METAL CHIP	100K 5% 1/16W	*****			
R816	1-216-295-00	SHORT	0				
R817	1-216-097-00	RES-CHIP	100K 5% 1/10W				
R818	1-216-049-11	RES-CHIP	1K 5% 1/10W				
R819	1-216-025-00	RES-CHIP	100 5% 1/10W				
R820	1-216-821-11	METAL CHIP	1K 5% 1/16W				
R821	1-216-025-00	RES-CHIP	100 5% 1/10W				
R822	1-216-025-00	RES-CHIP	100 5% 1/10W				
R823	1-216-025-00	RES-CHIP	100 5% 1/10W				
		< COMPOSITION CIRCUIT BLOCK >					
RB10	1-239-412-11	NETWORK RESISTOR (CHIP) 100					
RB600	1-236-904-11	NETWORK RESISTOR (CHIP) 1K					

XR-C7500R/C7500RX

Ref. No.	Part No.	Description	Remark
----------	----------	-------------	--------

HARDWARE LIST

#1	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#2	7-621-772-20	SCREW +B 2X5	
#3	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#4	7-627-553-28	SCREW, PRECISION +P 2X2.5	
#5	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#6	7-624-104-04	STOP RING 2.0, TYPE-E	
#7	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
#8	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
#9	7-685-795-09	SCREW +PTT 2.6X12 (S)	
#10	7-685-791-09	SCREW +PTT 2.6X5 (S)	

ACCESSORIES & PACKING MATERIALS

1-418-812-11	WIRELESS REMOTE COMMANDER (RM-X91)	(E)
1-473-067-71	WIRED REMOTE COMMANDER (RM-X4S)	(EXCEPT E)
3-034-360-01	LABEL (DSPL) (2) (for RM-X4S)	(EXCEPT E)
3-044-623-01	HOLDER, BATTERY (for RM-X91)	(E)
3-046-400-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, PORTUGUESE)	(AEP, UK)
3-046-400-21	MANUAL, INSTRUCTION (FRENCH, GERMAN, DUTCH, ITALIAN, GREEK)	(AEP)
3-046-400-31	MANUAL, INSTRUCTION (GERMAN)	(German)
3-046-401-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, SWEDISH, PORTUGUESE)	(AEP, UK)
3-046-401-21	MANUAL, INSTRUCTION, INSTALL (FRENCH, GERMAN, DUTCH, ITALIAN, GREEK)	(AEP, German)
3-046-489-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH, CHINESE)	(E)
3-046-490-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, CHINESE)	(E)
X-3378-490-1	CASE (PANEL) ASSY (for FRONT PANEL)	

PARTS FOR INSTALLATION AND CONNECTIONS

501	X-3373-602-1	FRAME ASSY
502	X-3366-405-1	SCREW ASSY (EXP), FITTING
503	3-040-979-01	COLLAR
504	3-934-325-01	SCREW, +K (5X8) TAPPING
505	3-041-000-01	SPRING, FITTING
506	X-3369-817-1	BRACKET ASSY (for RM-X4S) (AEP, UK)
507	7-685-248-14	SCREW +KTP 3X12 TYPE4
508	X-3373-432-1	BRACKET ASSY (for RM-X4S) (AEP, German)
509	1-465-459-21	ADAPTER, ANTENNA (EXCEPT E)
510	1-776-527-71	CORD (WITH CONNECTOR) (ISO) (POWER)
		(EXCEPT E)
511	1-776-207-72	CORD (WITH CONNECTOR) (POWER) (E)

