

XM-504Z

SERVICE MANUAL

Ver 1.0 2004. 01

US Model
Canadian Model
AEP Model
UK Model
E Model



SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

50 watts per channel minimum continuous average power into 4 ohms, both channels driven from 20 Hz to 20 kHz with no more than 0.04% total harmonic distortion per Car Audio Ad Hoc Committee standards.

Other Specifications

Circuit system	OTL (output transformerless) circuit Pulse power supply
Inputs	RCA pin jacks High level input connector
Input level adjustment range	0.3 – 6 V (RCA pin jacks), 0.6 – 12 V (High level input)
Outputs	Speaker terminals
Speaker impedance	2 – 8 Ω (stereo) 4 – 8 Ω (when used as a bridging amplifier)
Maximum outputs	Four speakers: 100 W \times 4 (at 4 Ω) Three speakers: 100 W \times 2 + 250 W \times 1 (at 4 Ω)
Rated outputs (supply voltage at 14.4 V)	Four speakers: 50 W \times 4 (20 Hz – 20 kHz, 0.04% THD, at 4 Ω) 60 W \times 4 (20 Hz – 20 kHz, 0.1% THD, at 2 Ω)
Frequency response	5 Hz – 80 kHz (± 0 dB)
Harmonic distortion	0.005% or less (at 1 kHz, 4 Ω , 10 W)
Low-pass filter	80 Hz, –18 dB/oct
High-pass filter	80 Hz, –12 dB/oct
Power requirements	12 V DC car battery (negative ground)
Power supply voltage	10.5 – 16 V
Current drain	at rated output : 30 A (4 Ω , 50 W \times 4) Remote input : 1 mA
Dimensions	Approx. 350 \times 55 \times 233 mm (13 7/8 \times 2 1/4 \times 9 1/4 in.) (w/h/d) not incl. projecting parts and controls
Mass	Approx. 3.1 kg (6 lb. 14 oz.) not incl. accessories
Supplied accessories	Mounting screws (4) High level input cord (1) Protection cap (1)

Design and specifications are subject to change without notice.

STEREO POWER AMPLIFIER

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2004A04-1
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e Vehicle Company
Published by Sony Engineering Corporation

SONY®

PROTECTOR OPERATION CHECK

Thermal Protect

1. Short across TH901 with the power on.
2. Verify that the protector is operated and LED901 illuminates red.
3. Verify that the protector is released and LED901 illuminates green when the short is removed.
4. Likewise, perform items 1 to 3 for TH902 and TH903.

Over Current Protect

1. Short between the positive and negative sides of the speaker output terminal CN903 and CN904 (1/2) with the power on. (Perform this shorting for each channel on FRONT and REAR.)
2. Verify that the protector is operated and LED901 illuminates red.
3. Verify that the protector is not released and LED901 remains red even when the short is removed.
4. Verify that the protector is released and LED901 illuminates green when the power is turned off and then on again.

Offset Protect

1. Short between the +12V terminal of CN904 (2/2) and the BTL+ or BTL- of the speaker output terminal CN903 and CN904 (1/2). (Short between +12V terminal and BTL+ and between +12V terminal and BTL-.)
2. Verify that the protector is operated and LED901 illuminates red.
3. Verify that the protector is not released and LED901 remains red even when the short is removed.
4. Verify that the protector is released and LED901 illuminates green when the power is turned off and then on again.

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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.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

This section is extracted from instruction manual.

Connections

Precautions

- This unit is designed for negative ground 12 V DC operation only.
- Use speakers with an impedance of 2 to 8 Ω (4 to 8 Ω when used as a bridging amplifier).
- Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers.
- Avoid installing the unit in areas subject to:
 - high temperatures such as from direct sunlight or hot air from the heater
 - rain or moisture
 - dust or dirt.
- If your car is parked in direct sunlight and there is a considerable rise in temperature inside the car, allow the unit to cool down before use.
- When installing the unit horizontally, be sure not to cover the fins with the floor carpet etc.
- If this unit is placed too close to the car radio or antenna, interference may occur. In this case, relocate the amplifier away from the car radio or antenna.
- If no power is being supplied to the master unit, check the connections.
- This power amplifier employs a protection circuit to protect the transistors and speakers if the amplifier malfunctions. Do not attempt to test the protection circuits by covering the heat sink or connecting improper loads.
- Do not use the unit on a weak battery as its optimum performance depends on a good power supply.
- For safety reasons, keep your car audio volume moderate so that you can still hear sounds outside your car.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Caution

- Before making any connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Be sure to use speakers with an adequate power rating. If you use small capacity speakers, they may be damaged.
- Do not connect the ⊖ terminal of the speaker system to the car chassis, and do not connect the ⊖ terminal of the right speaker with that of the left speaker.
- Install the input and output cords away from the power supply wire as running them close together can generate some interference noise.
- This unit is a high powered amplifier. Therefore, it may not perform to its full potential if used with the speaker cords supplied with the car.
- If your car is equipped with a computer system for navigation or some other purpose, do not remove the ground wire from the car battery. If you disconnect the wire, the computer memory may be erased. To avoid short circuits when making connections, disconnect the +12 V power supply wire until all the other wires have been connected.

Conexiones

Precauciones

- Esta unidad está diseñada para utilizarse sólo con cc de 12 V negativo a masa.
- Emplee altavoces con impedancia de 2 a 8 Ω (de 4 a 8 Ω cuando se utilice como amplificador en puente).
- No conecte altavoces activos (con amplificadores incorporados) a los terminales de altavoz de la unidad, ya que puede dañar dichos altavoces.
- Evite instalar la unidad en lugares expuestos a:
 - altas temperaturas, como a la luz solar directa o al aire caliente de la calefacción
 - la lluvia o la humedad
 - suciedad o polvo.
- Si aparea el automóvil bajo la luz solar directa y se produce un considerable aumento de temperatura en el interior, deje que la unidad se enfríe antes de utilizarla.
- Si instala la unidad horizontalmente, asegúrese de no cubrir las aletas con la moqueta del suelo, etc.
- Si coloca la unidad demasiado cerca de la radio o antena del automóvil, pueden producirse interferencias. En este caso, aleje el amplificador de dicha radio o antena.
- Si la unidad principal no recibe alimentación, compruebe las conexiones.
- Este amplificador de potencia emplea un circuito de protección para proteger los transistores y los altavoces en caso de que dicho amplificador presente fallos de funcionamiento. No intente someter a prueba los circuitos de protección cubriendo el disipador de calor o conectando cargas inadecuadas.
- No utilice la unidad si la batería se está agotando, ya que el rendimiento óptimo de dicha unidad depende de un buen suministro de alimentación.
- Por razones de seguridad, mantenga el volumen del sistema de audio en un nivel moderado de forma que sea posible oír los sonidos del exterior del automóvil.

Si desea realizar alguna consulta o solucionar algún problema relativos a la unidad que no aparezcan en este manual, póngase en contacto con el distribuidor Sony más próximo.

Precaución

- Antes de realizar las conexiones, desconecte el terminal de toma a tierra de la batería del automóvil para evitar cortocircuitos.
- Asegúrese de utilizar altavoces con una potencia nominal adecuada. Si emplea altavoces de pequeña capacidad, pueden dañarse.
- No conecte el terminal ⊖ del sistema de altavoces al chasis del automóvil, ni el terminal ⊖ del altavoz derecho al del altavoz izquierdo.
- Instale los cables de entrada y salida alejados del cable de suministro de alimentación, ya que en caso contrario puede generarse ruido por interferencias.
- Esta unidad es un amplificador de alta potencia. Por tanto, puede no funcionar a pleno rendimiento si se utiliza con los cables de altavoz suministrados con el automóvil.
- Si el automóvil está equipado con un sistema de ordenador para la navegación o para otra finalidad, no desconecte el conductor de toma a tierra de la batería del automóvil. Si lo desconecta, la memoria del ordenador puede borrarse. Para evitar cortocircuitos al realizar las conexiones, desconecte el cable de suministro de alimentación de +12 V hasta conectar todos los cables.

Power Connection Wires (not supplied)

Cables de conexión de alimentación (no suministrados)

to a metal point of the car
a un punto metálico del automóvil

Remote output*
Salida remota*
(REM)

Car audio
Sistema de audio para automóvil

Fuse (40 A)
Fusible (40 A)

+12 V car battery
Batería de automóvil de +12 V

* If you have the factory original or some other car audio without a remote output on the amplifier, connect the remote input terminal (REM) to the accessory power supply.
* Si dispone del sistema de audio para automóvil original de fábrica o de otro sistema sin una salida remota en el amplificador, conecte el terminal de entrada remota (REM) al suministro de alimentación accesoria.

Make the terminal connections as illustrated below.

Realice las conexiones de terminal como se ilustra a continuación.

Pass the wires through the cap, connect the wires, then cover the terminals with the cap.
Pase los cables a través de la cubierta, conectelos y cubra los terminales con dicha cubierta.

Note
When you tighten the screw, be careful not to apply too much torque* as doing so may damage the screw.
* The torque value should be less than 1 N·m.

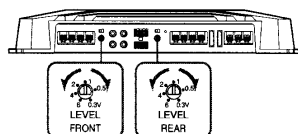
Note
Al apretar el tornillo, tenga cuidado de no aplicar demasiada fuerza de torsión*, ya que puede dañarlo.
* El valor de fuerza de torsión debe ser inferior a 1 N·m.

- ### Notes on the power supply
- Connect the +12 V power supply wire only after all the other wires have been connected.
 - Be sure to connect the ground wire of the unit securely to a metal point of the car. A loose connection may cause a malfunction of the amplifier.
 - Be sure to connect the remote control wire of the car audio to the remote terminal.
 - When using a car audio without a remote output on the amplifier, connect the remote input terminal (REM) to the accessory power supply.
 - Use a power supply wire with a fuse attached (40 A).
 - Place the fuse in the power supply wire as close as possible to the car battery.
 - During full-power operation, a current of more than 40 A will run through the system. Therefore, make sure that the wires to be connected to the +12 V and GND terminals of this unit are larger than 10-Gauge (AWG-10) or have a sectional area of more than 5 mm².

- ### Notas sobre el suministro de alimentación
- Conecte el cable de suministro de +12 V sólo después de haber conectado los otros cables.
 - Asegúrese de conectar firmemente el cable de toma a tierra de la unidad a un punto metálico del automóvil. Una conexión floja puede causar fallos de funcionamiento del amplificador.
 - Compruebe que conecta el cable de control remoto del sistema de audio al terminal remoto.
 - Si utiliza un sistema de audio sin salida remota en el amplificador, conecte el terminal de entrada remota (REM) al suministro de alimentación accesoria.
 - Emplee el cable de suministro de alimentación con un fusible fijado (40 A).
 - Coloque el fusible en el cable de suministro de alimentación lo más cerca posible de la batería del automóvil.
 - Durante el funcionamiento a pleno rendimiento, fluye por el sistema una corriente superior a 40 A. Por tanto, compruebe que los cables que va a conectar a los terminales de +12 V y GND de esta unidad tengan una capacidad superior a 10-Gauge (AWG-10) una zona de sección superior a 5 mm².

Level Adjustment Control

The input level can be adjusted with this control when using source equipment made by other manufacturers. Turn it in the clockwise direction when the output level of the car audio seems low.

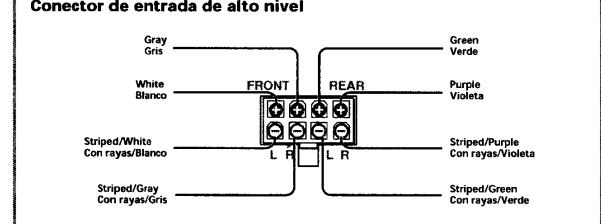


Control de ajuste de nivel

Es posible ajustar el nivel de entrada con este control al utilizar equipos fuente de otros fabricantes. Gírelo en el sentido de las agujas del reloj si el nivel de salida del sistema de audio para automóvil parece bajo.

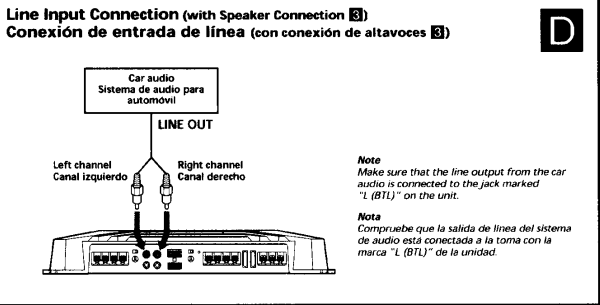
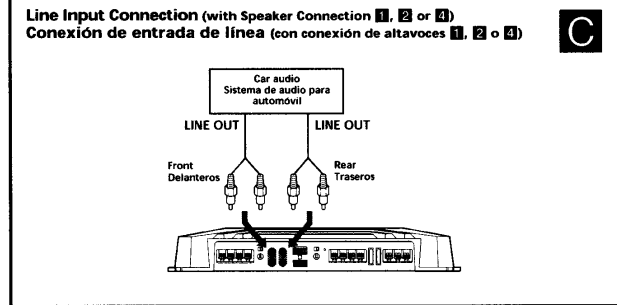
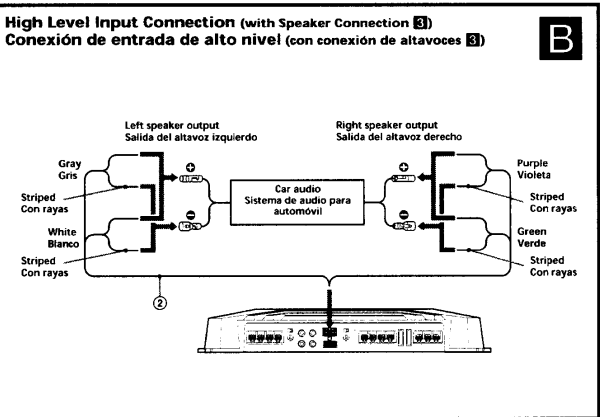
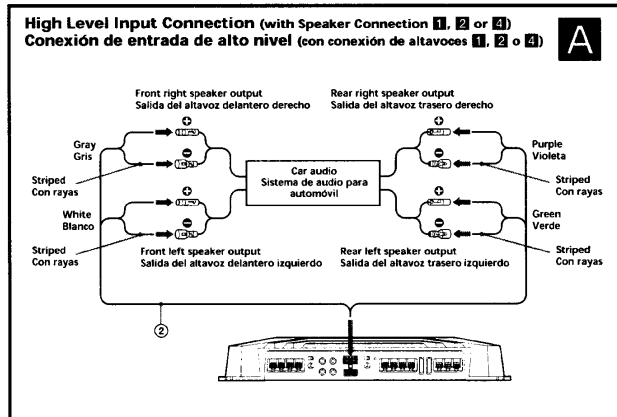
High Level Input Connector

Conector de entrada de alto nivel



Input Connections

Conexiones de entrada

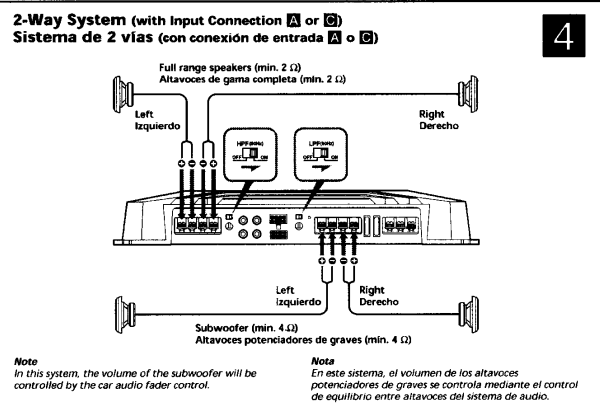
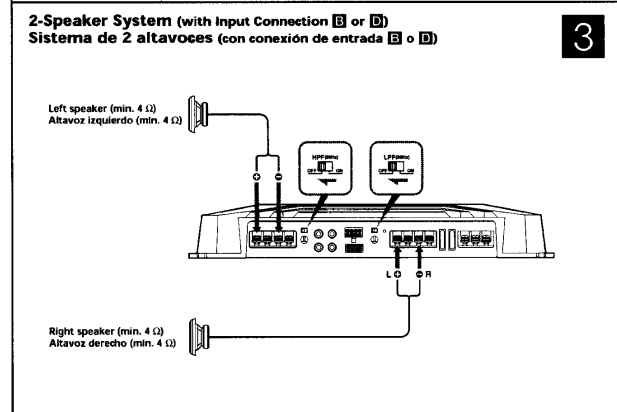
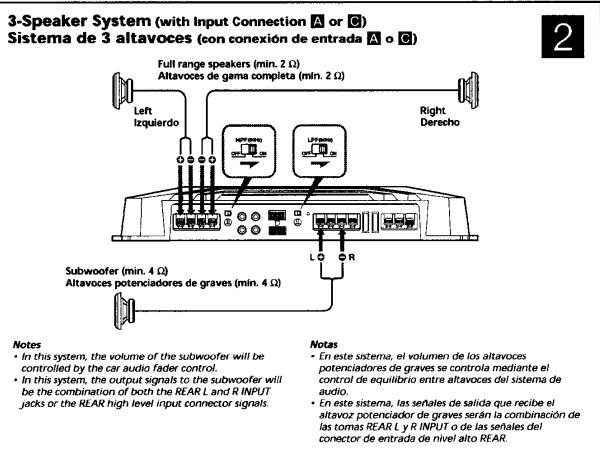
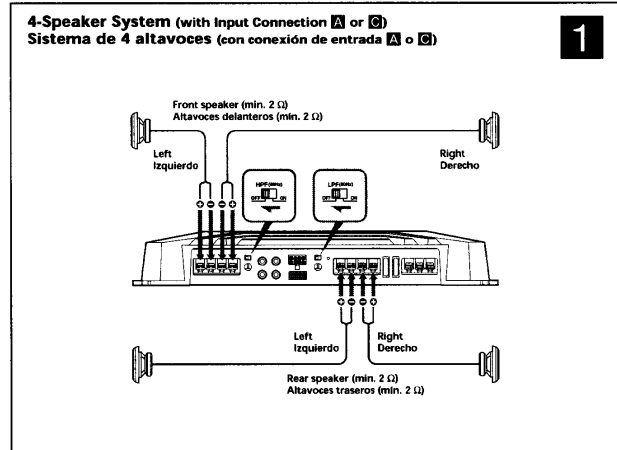


Speaker Connections

Turn on or off the LPF and HPF switch at the unit rear as illustrated below.

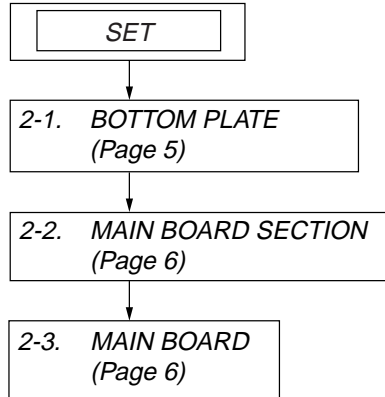
Conexiones de los altavoces

Encienda o apague los interruptores LPF (filtro de paso bajo) y HPF (filtro de paso alto) situados en la parte posterior de la unidad, como se muestra a continuación.



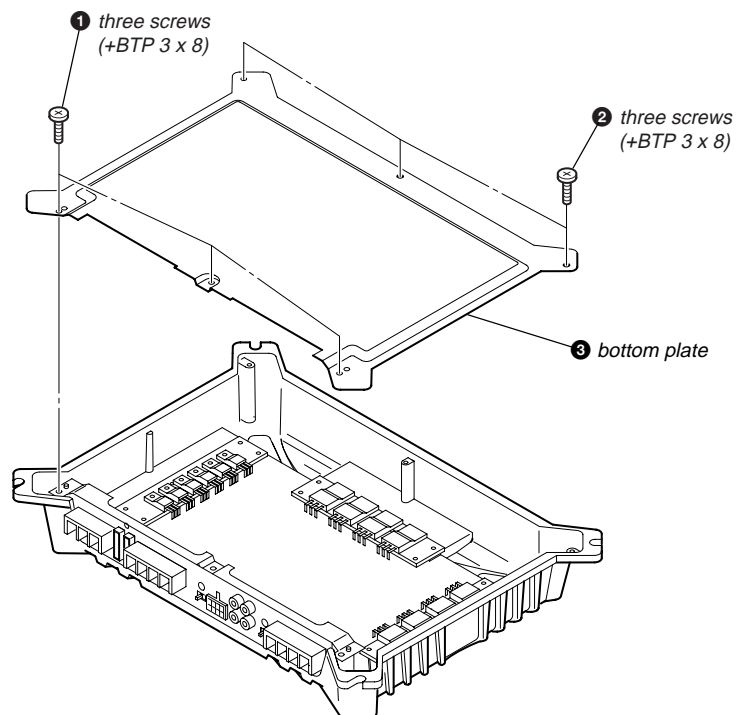
SECTION 2 DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

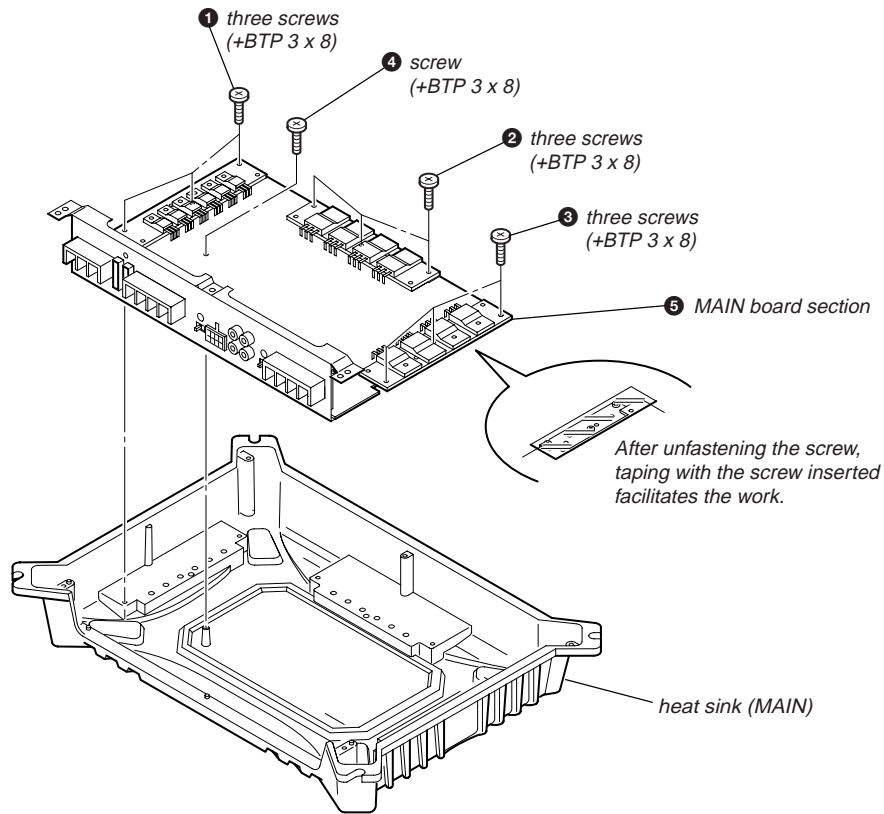


Note : Follow the disassembly procedure in the numerical order given.

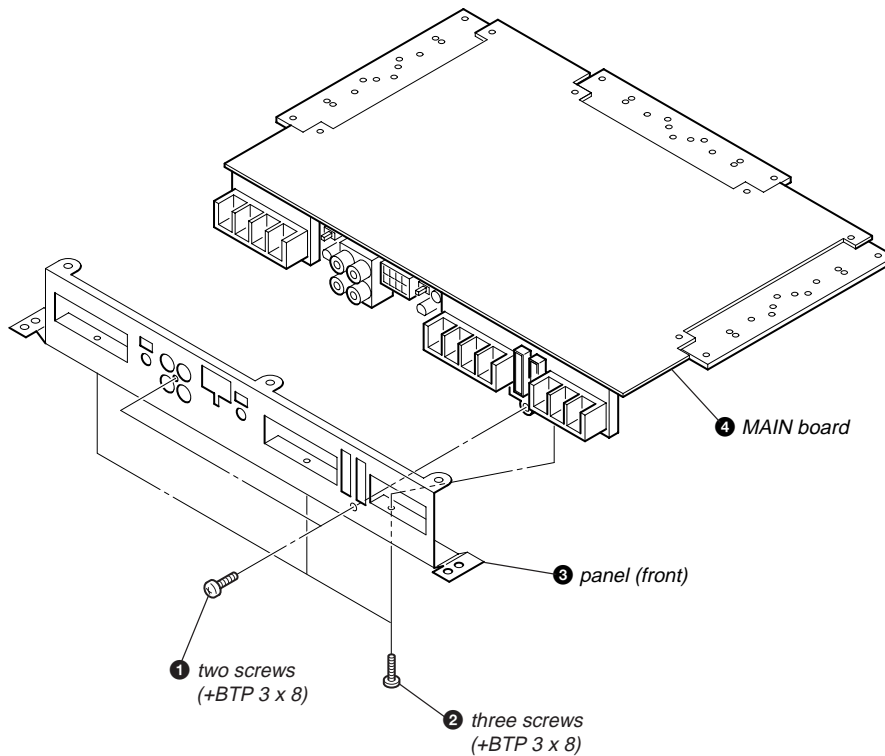
2-1. BOTTOM PLATE



2-2. MAIN BOARD SECTION



2-3. MAIN BOARD



**SECTION 3
DIAGRAMS**

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.

<p>Note: The components identified by mark Δ, or dotted line with mark Δ, are critical for safety. Replace only with part number specified.</p>	<p>Note: Les composants identifiés par une marque Δ, sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
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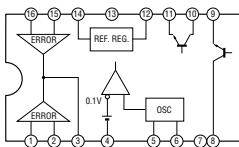
- $\text{---}\Delta\text{---}$: B+ Line.
- $\text{---}\Delta\text{---}$: B- Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from +12V and REM terminals.
- Voltage is dc with respect to ground under no-signal condition.
- Voltages are taken with a VOM (Input impedance 10 M Ω). 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 : AUDIO

for printed wiring boards:

- \square : Pattern from the side which enables seeing.

3-1. IC BLOCK DIAGRAM

IC901 $\mu\text{PC494GS}$

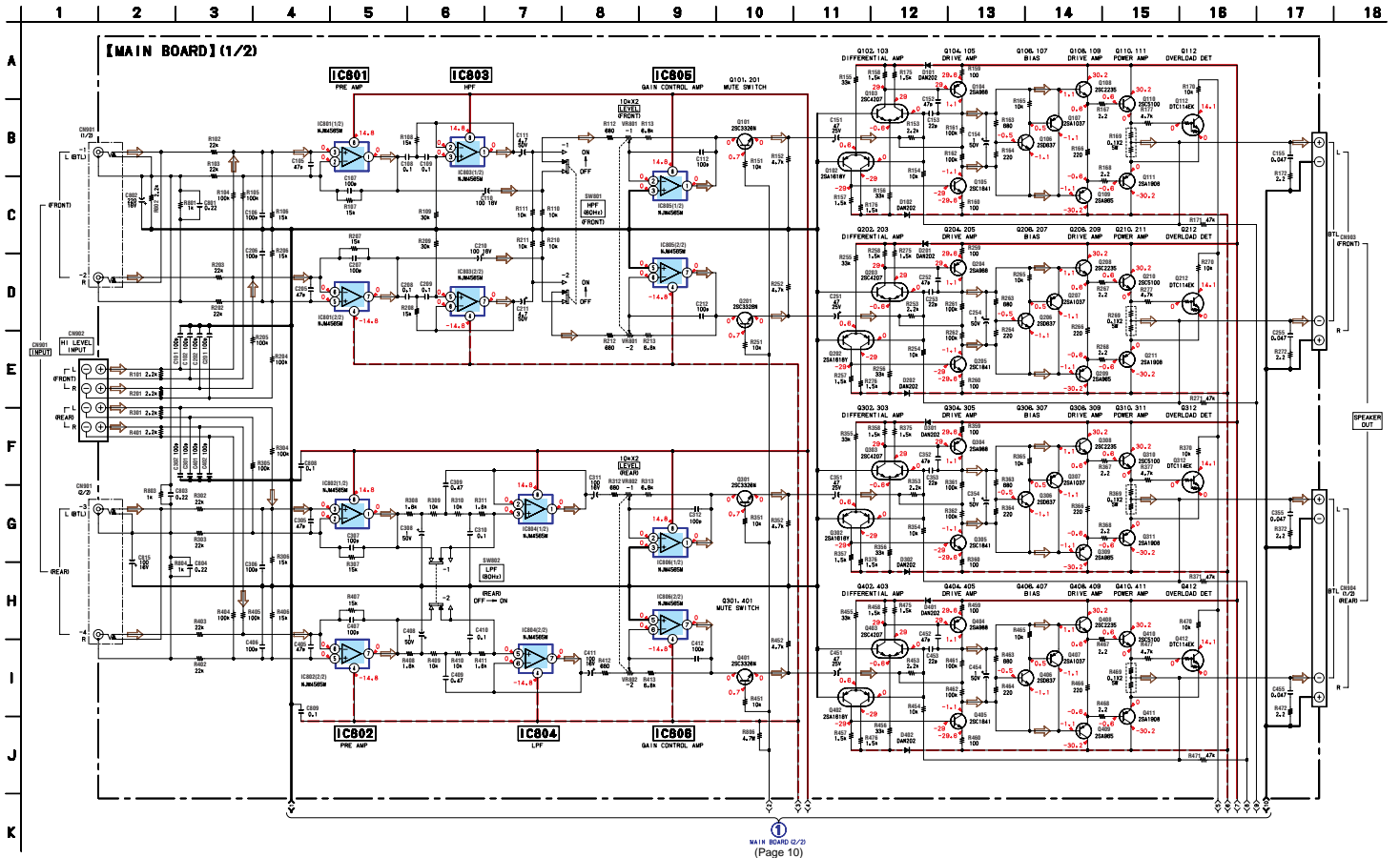


XM-504Z

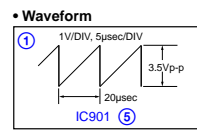
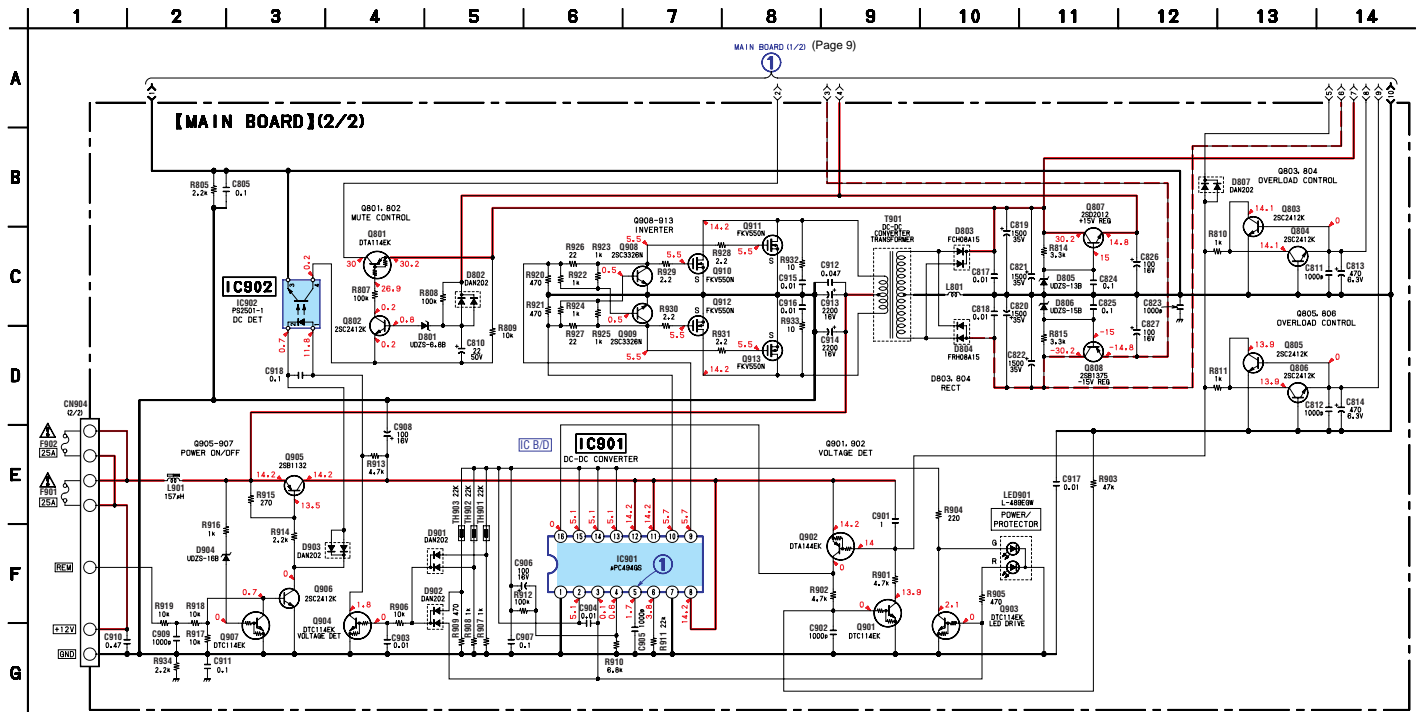
3-2. PRINTED WIRING BOARD • Refer to page 7 for Common Note on Printed Wiring Boards.



3-3. SCHEMATIC DIAGRAM — AMP SECTION — • Refer to page 7 for Common Note on Schematic Diagrams.



3-4. SCHEMATIC DIAGRAM — POWER SECTION — • Refer to page 7 for IC Block Diagram and Common Note on Schematic Diagrams.



**SECTION 4
EXPLODED VIEWS**

NOTE:

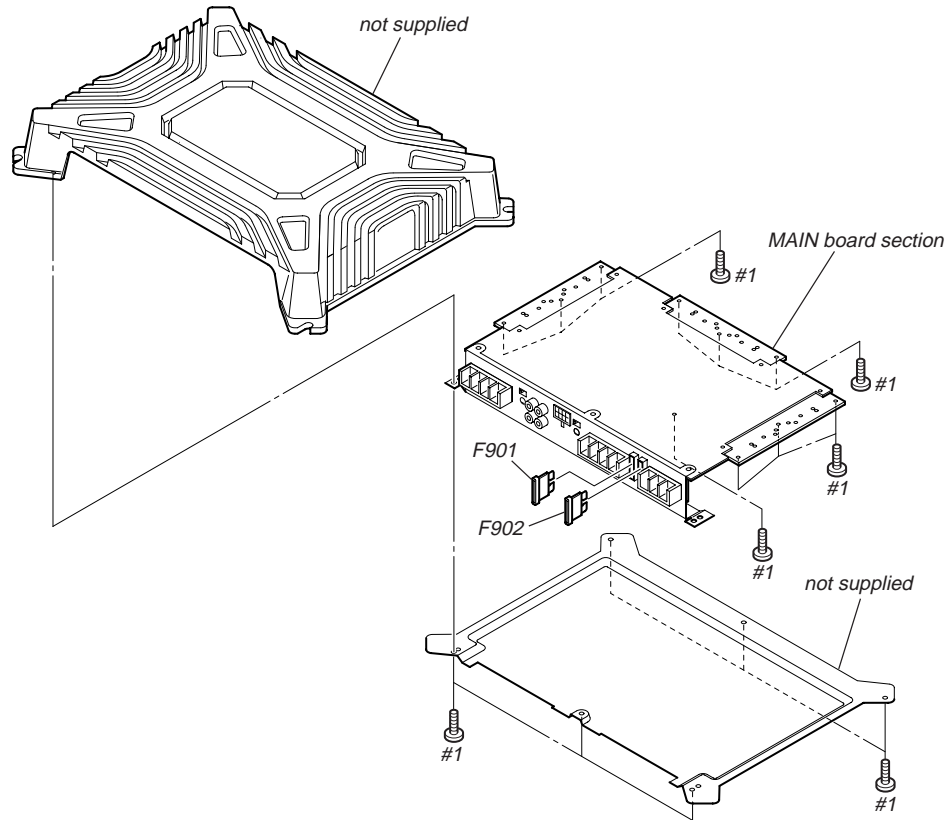
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
CND : Canadian model

- Color Indication of Appearance Parts
Example :
 ↑ ↑
 Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

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

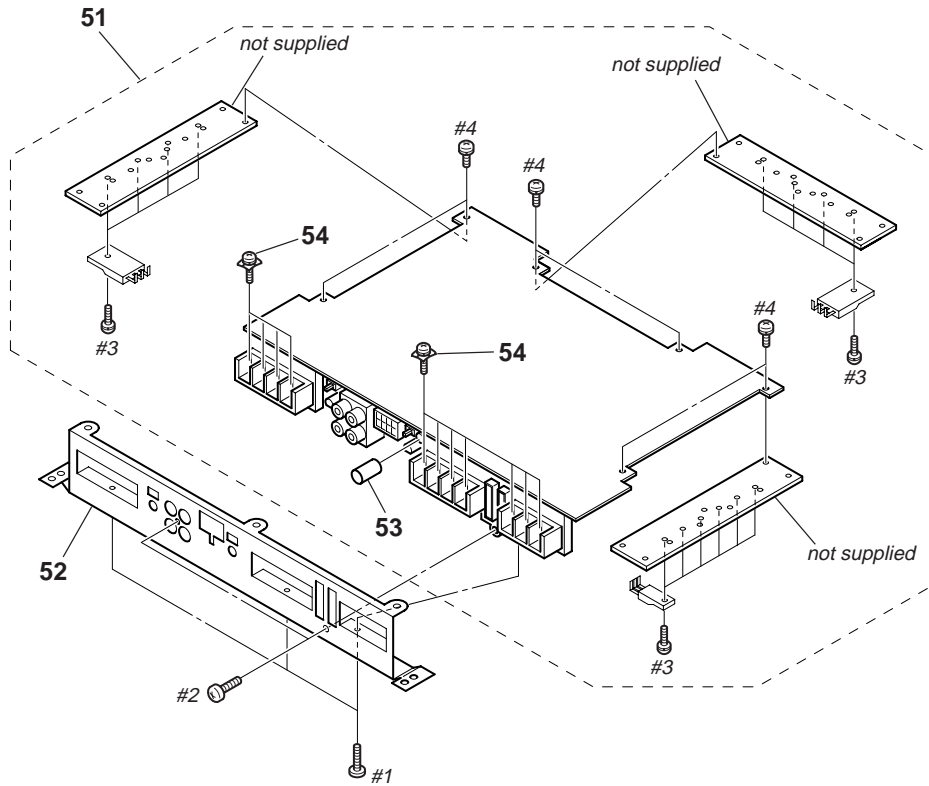
Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. HEAT SINK (MAIN) SECTION



<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>
\triangle F901	1-576-256-11	FUSE (BLADE TYPE) (AUTO FUSE) (25A)		#1	7-685-546-14	SCREW +BTP 3X8 TYPE2 N-S	
\triangle F902	1-576-256-11	FUSE (BLADE TYPE) (AUTO FUSE) (25A)					

4-2. MAIN BOARD SECTION



<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>
51	A-3283-674-A	MAIN BOARD, COMPLETE		#1	7-685-546-14	SCREW +BTP 3X8 TYPE2 N-S	
52	3-263-893-01	PANEL (FRONT) (US,CND,E,MX)		#2	7-685-546-19	SCREW +BTP 3X8 TYPE2 N-S	
52	3-263-893-11	PANEL (FRONT) (AEP,UK)		#3	7-682-948-01	SCREW +PSW 3X8	
53	3-266-086-01	COVER (LED)		#4	7-682-648-09	SCREW +PS 3X8	
54	3-912-431-01	SCREW (+-P)					

**SECTION 5
ELECTRICAL PARTS LIST**

MAIN

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.
- **RESISTORS**
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- 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, u : 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.

- Abbreviation
CND : Canadian model

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-3283-674-A	MAIN BOARD, COMPLETE *****		C308	1-126-960-11	ELECT 1uF 20%	50V
	3-266-086-01	COVER (LED)		C309	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V
	3-912-431-01	SCREW (+-P)		C310	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
	7-682-648-09	SCREW +PS 3X8		C311	1-126-933-11	ELECT 100uF 20%	16V
	7-682-948-01	SCREW +PSW 3X8		C312	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
	7-685-146-14	SCREW +P 3X8 TYPE2 NON-SLIT					
		< CAPACITOR >		C351	1-126-947-11	ELECT 47uF 20%	25V
C101	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C352	1-163-243-11	CERAMIC CHIP 47PF 5%	50V
C102	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C353	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
C105	1-163-243-11	CERAMIC CHIP 47PF 5%	50V	C354	1-126-960-11	ELECT 1uF 20%	50V
C106	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C355	1-104-760-11	MYLAR 0.047uF 10%	50V
C107	1-163-251-11	CERAMIC CHIP 100PF 5%	50V				
				C401	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C108	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C402	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C109	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C405	1-163-243-11	CERAMIC CHIP 47PF 5%	50V
C110	1-126-933-11	ELECT 100uF 20%	16V	C406	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C111	1-126-963-11	ELECT 4.7uF 20%	50V	C407	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C112	1-163-251-11	CERAMIC CHIP 100PF 5%	50V				
				C408	1-126-960-11	ELECT 1uF 20%	50V
C151	1-126-947-11	ELECT 47uF 20%	25V	C409	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V
C152	1-163-243-11	CERAMIC CHIP 47PF 5%	50V	C410	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C153	1-163-235-11	CERAMIC CHIP 22PF 5%	50V	C411	1-126-933-11	ELECT 100uF 20%	16V
C154	1-126-960-11	ELECT 1uF 20%	50V	C412	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C155	1-104-760-11	MYLAR 0.047uF 10%	50V				
				C451	1-126-947-11	ELECT 47uF 20%	25V
C201	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C452	1-163-243-11	CERAMIC CHIP 47PF 5%	50V
C202	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C453	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
C205	1-163-243-11	CERAMIC CHIP 47PF 5%	50V	C454	1-126-960-11	ELECT 1uF 20%	50V
C206	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C455	1-104-760-11	MYLAR 0.047uF 10%	50V
C207	1-163-251-11	CERAMIC CHIP 100PF 5%	50V				
				C801	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V
C208	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C802	1-126-934-11	ELECT 220uF 20%	16V
C209	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V	C803	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V
C210	1-126-933-11	ELECT 100uF 20%	16V	C804	1-115-340-11	CERAMIC CHIP 0.22uF 10%	25V
C211	1-126-963-11	ELECT 4.7uF 20%	50V	C805	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C212	1-163-251-11	CERAMIC CHIP 100PF 5%	50V				
				C808	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C251	1-126-947-11	ELECT 47uF 20%	25V	C809	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C252	1-163-243-11	CERAMIC CHIP 47PF 5%	50V	C810	1-126-965-11	ELECT 22uF 20%	50V
C253	1-163-235-11	CERAMIC CHIP 22PF 5%	50V	C811	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V
C254	1-126-960-11	ELECT 1uF 20%	50V	C812	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V
C255	1-104-760-11	MYLAR 0.047uF 10%	50V				
				C813	1-104-655-11	ELECT 470uF 20%	6.3V
C301	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C814	1-104-655-11	ELECT 470uF 20%	6.3V
C302	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C815	1-126-933-11	ELECT 100uF 20%	16V
C305	1-163-243-11	CERAMIC CHIP 47PF 5%	50V	C817	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C306	1-163-251-11	CERAMIC CHIP 100PF 5%	50V	C818	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C307	1-163-251-11	CERAMIC CHIP 100PF 5%	50V				
				C819	1-165-949-11	ELECT 1500uF	35V
				C820	1-165-949-11	ELECT 1500uF	35V
				C821	1-165-949-11	ELECT 1500uF	35V
				C822	1-165-949-11	ELECT 1500uF	35V
				C823	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C824	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V			< IC >	
C825	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V				
C826	1-126-933-11	ELECT	100uF 20% 16V	IC801	8-759-710-28	IC NJM4565M-A	
C827	1-126-933-11	ELECT	100uF 20% 16V	IC802	8-759-710-28	IC NJM4565M-A	
C901	1-127-573-11	CERAMIC CHIP	1uF 10% 16V	IC803	8-759-710-28	IC NJM4565M-A	
				IC804	8-759-710-28	IC NJM4565M-A	
				IC805	8-759-710-28	IC NJM4565M-A	
C902	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V				
C903	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	IC806	8-759-710-28	IC NJM4565M-A	
C904	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	IC901	8-759-144-88	IC uPC494GS	
C905	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V			< PHOTO COUPLER >	
C906	1-126-933-11	ELECT	100uF 20% 16V				
C907	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V				
C908	1-126-933-11	ELECT	100uF 20% 16V	IC902	8-719-156-72	PHOTO COUPLER PS2501-1-K	
C909	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V			< JUMPER RESISTOR >	
C910	1-137-380-11	MYLAR	0.47uF 5% 50V				
C911	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	JR1	1-216-296-11	SHORT CHIP	0
				JR2	1-216-296-11	SHORT CHIP	0
C912	1-137-374-11	MYLAR	0.047uF 5% 50V	JR3	1-216-296-11	SHORT CHIP	0
C913	1-131-731-11	ELECT	2200uF 20% 16V	JR4	1-216-296-11	SHORT CHIP	0
C914	1-131-731-11	ELECT	2200uF 20% 16V	JR5	1-216-296-11	SHORT CHIP	0
C915	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	JR6	1-216-296-11	SHORT CHIP	0
C916	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	JR7	1-216-296-11	SHORT CHIP	0
				JR8	1-216-296-11	SHORT CHIP	0
C917	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	JR9	1-216-296-11	SHORT CHIP	0
C918	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	JR10	1-216-296-11	SHORT CHIP	0
		< JACK >		JR11	1-216-295-11	SHORT CHIP	0
CN901	1-779-078-21	JACK, PIN 4P (INPUT (FRONT/REAR))		JR12	1-216-295-11	SHORT CHIP	0
		< CONNECTOR >		JR13	1-216-296-11	SHORT CHIP	0
CN902	1-580-283-11	PIN, CONNECTOR (PC BOARD) 8P (HIGH LEVEL INPUT)		JR14	1-216-296-11	SHORT CHIP	0
		< TERMINAL BOARD >		JR15	1-216-296-11	SHORT CHIP	0
CN903	1-780-132-11	TERMINAL BOARD (4P) (FRONT SPEAKER OUT)		JR16	1-216-296-11	SHORT CHIP	0
CN904	1-780-134-11	TERMINAL BOARD (4P+3P+FUSE) (REM,+12V, GND,REAR SPEAKER OUT,25A)		JR17	1-216-296-11	SHORT CHIP	0
		< DIODE >		JR18	1-216-296-11	SHORT CHIP	0
D101	8-719-801-78	DIODE 1SS184		JR19	1-216-296-11	SHORT CHIP	0
D102	8-719-801-78	DIODE 1SS184		JR20	1-216-296-11	SHORT CHIP	0
D201	8-719-801-78	DIODE 1SS184		JR21	1-216-296-11	SHORT CHIP	0
D202	8-719-801-78	DIODE 1SS184		JR22	1-216-296-11	SHORT CHIP	0
D301	8-719-801-78	DIODE 1SS184		JR23	1-216-296-11	SHORT CHIP	0
				JR24	1-216-296-11	SHORT CHIP	0
D302	8-719-801-78	DIODE 1SS184		JR25	1-216-296-11	SHORT CHIP	0
D401	8-719-801-78	DIODE 1SS184		JR26	1-216-296-11	SHORT CHIP	0
D402	8-719-801-78	DIODE 1SS184		JR27	1-216-296-11	SHORT CHIP	0
D801	8-719-025-34	DIODE 02CZ6.8-TE85L		JR28	1-216-296-11	SHORT CHIP	0
D802	8-719-801-78	DIODE 1SS184		JR29	1-216-296-11	SHORT CHIP	0
				JR30	1-216-296-11	SHORT CHIP	0
D803	6-500-209-01	DIODE FCH08A15		JR31	1-216-296-11	SHORT CHIP	0
D804	6-500-210-01	DIODE FRH08A15		JR32	1-216-296-11	SHORT CHIP	0
D805	8-719-025-48	DIODE 02CZ13-TE85L		JR33	1-216-296-11	SHORT CHIP	0
D806	8-719-025-49	DIODE 02CZ15-TE85L				< COIL >	
D807	8-719-801-78	DIODE 1SS184		L801	1-410-396-41	INDUCTOR, FERRITE BEAD 0.45uH	
				L901	1-411-756-11	INDUCTOR	
D901	8-719-801-78	DIODE 1SS184				< DIODE >	
D902	8-719-801-78	DIODE 1SS184		LED901	8-719-076-62	LED GL5ED60 (POWER/PROTECTOR)	
D903	8-719-801-78	DIODE 1SS184				< TRANSISTOR >	
D904	8-719-025-50	DIODE 02CZ16-TE85L		Q101	8-729-202-38	TRANSISTOR 2SC3326N-A	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q102	8-729-232-66	TRANSISTOR	2SA1618Y	Q904	8-729-027-43	TRANSISTOR	DTC114EKA-T146
Q103	8-729-014-86	TRANSISTOR	2SC4207-YGR-TE85L	Q905	8-729-106-60	TRANSISTOR	2SB1115A
Q104	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	Q906	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q105	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	Q907	8-729-027-43	TRANSISTOR	DTC114EKA-T146
Q106	8-729-902-11	TRANSISTOR	2SC2021-Q	Q908	8-729-202-38	TRANSISTOR	2SC3326N-A
Q107	8-729-230-46	TRANSISTOR	2SA1162-YG	Q909	8-729-202-38	TRANSISTOR	2SC3326N-A
Q108	8-729-020-80	TRANSISTOR	2SC2235-O/Y(TPE6)	Q910	6-550-341-01	FET	FKV550N
Q109	8-729-232-32	TRANSISTOR	2SA965	Q911	6-550-341-01	FET	FKV550N
Q110	8-729-024-79	TRANSISTOR	2SC5100-P	Q912	6-550-341-01	FET	FKV550N
Q111	8-729-024-76	TRANSISTOR	2SA1908-P	Q913	6-550-341-01	FET	FKV550N
Q112	8-729-027-43	TRANSISTOR	DTC114EKA-T146			< RESISTOR >	
Q201	8-729-202-38	TRANSISTOR	2SC3326N-A	R101	1-216-206-00	RES-CHIP	2.2K 5% 1/8W
Q202	8-729-232-66	TRANSISTOR	2SA1618Y	R102	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q203	8-729-014-86	TRANSISTOR	2SC4207-YGR-TE85L	R103	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q204	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	R104	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q205	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	R105	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q206	8-729-902-11	TRANSISTOR	2SC2021-Q	R106	1-216-077-11	RES-CHIP	15K 5% 1/10W
Q207	8-729-230-46	TRANSISTOR	2SA1162-YG	R107	1-216-077-11	RES-CHIP	15K 5% 1/10W
Q208	8-729-020-80	TRANSISTOR	2SC2235-O/Y(TPE6)	R108	1-216-077-11	RES-CHIP	15K 5% 1/10W
Q209	8-729-232-32	TRANSISTOR	2SA965	R109	1-216-084-00	METAL CHIP	30K 5% 1/10W
Q210	8-729-024-79	TRANSISTOR	2SC5100-P	R110	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q211	8-729-024-76	TRANSISTOR	2SA1908-P	R111	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q212	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R112	1-216-045-00	METAL CHIP	680 5% 1/10W
Q301	8-729-202-38	TRANSISTOR	2SC3326N-A	R113	1-216-069-00	METAL CHIP	6.8K 5% 1/10W
Q302	8-729-232-66	TRANSISTOR	2SA1618Y	R151	1-216-222-00	RES-CHIP	10K 5% 1/8W
Q303	8-729-014-86	TRANSISTOR	2SC4207-YGR-TE85L	R152	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
Q304	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	R153	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
Q305	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	R154	1-216-222-00	RES-CHIP	10K 5% 1/8W
Q306	8-729-902-11	TRANSISTOR	2SC2021-Q	R155	1-216-085-11	RES-CHIP	33K 5% 1/10W
Q307	8-729-230-46	TRANSISTOR	2SA1162-YG	R156	1-216-085-11	RES-CHIP	33K 5% 1/10W
Q308	8-729-020-80	TRANSISTOR	2SC2235-O/Y(TPE6)	R157	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
Q309	8-729-232-32	TRANSISTOR	2SA965	R158	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
Q310	8-729-024-79	TRANSISTOR	2SC5100-P	R159	1-216-025-11	RES-CHIP	100 5% 1/10W
Q311	8-729-024-76	TRANSISTOR	2SA1908-P	R160	1-216-025-11	RES-CHIP	100 5% 1/10W
Q312	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R161	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q401	8-729-202-38	TRANSISTOR	2SC3326N-A	R162	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q402	8-729-232-66	TRANSISTOR	2SA1618Y	R163	1-216-045-00	METAL CHIP	680 5% 1/10W
Q403	8-729-014-86	TRANSISTOR	2SC4207-YGR-TE85L	R164	1-216-033-00	METAL CHIP	220 5% 1/10W
Q404	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	R165	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q405	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	R166	1-216-182-00	RES-CHIP	220 5% 1/8W
Q406	8-729-902-11	TRANSISTOR	2SC2021-Q	R167	1-216-134-00	METAL CHIP	2.2 5% 1/8W
Q407	8-729-230-46	TRANSISTOR	2SA1162-YG	R168	1-216-134-00	METAL CHIP	2.2 5% 1/8W
Q408	8-729-020-80	TRANSISTOR	2SC2235-O/Y(TPE6)	R169	1-205-991-11	METAL	0.1X2 10% 5W F
Q409	8-729-232-32	TRANSISTOR	2SA965	R170	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q410	8-729-024-79	TRANSISTOR	2SC5100-P	R171	1-216-089-11	RES-CHIP	47K 5% 1/10W
Q411	8-729-024-76	TRANSISTOR	2SA1908-P	R172	1-216-134-00	METAL CHIP	2.2 5% 1/8W
Q412	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R175	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
Q801	8-729-901-04	TRANSISTOR	DTA114EK	R176	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
Q802	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R177	1-216-065-00	RES-CHIP	4.7K 5% 1/10W
Q803	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R201	1-216-206-00	RES-CHIP	2.2K 5% 1/8W
Q804	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R202	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q805	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R203	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q806	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R204	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q807	8-729-209-15	TRANSISTOR	2SD2012	R205	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q808	8-729-209-60	TRANSISTOR	2SB1375	R206	1-216-077-11	RES-CHIP	15K 5% 1/10W
Q901	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R207	1-216-077-11	RES-CHIP	15K 5% 1/10W
Q902	8-729-027-38	TRANSISTOR	DTA144EKA-T146	R208	1-216-077-11	RES-CHIP	15K 5% 1/10W
Q903	8-729-027-43	TRANSISTOR	DTC114EKA-T146				

MAIN

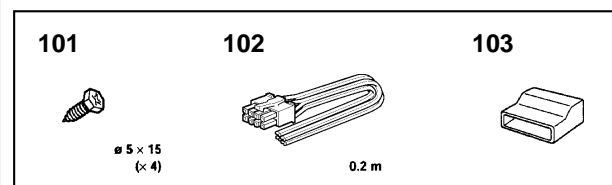
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R209	1-216-084-00	METAL CHIP	30K	5%	1/10W	R366	1-216-182-00	RES-CHIP	220	5%	1/8W
R210	1-216-073-00	RES-CHIP	10K	5%	1/10W	R367	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R211	1-216-073-00	RES-CHIP	10K	5%	1/10W	R368	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R212	1-216-045-00	METAL CHIP	680	5%	1/10W	R369	1-205-991-11	METAL	0.1X2	10%	5W F
R213	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R370	1-216-073-00	RES-CHIP	10K	5%	1/10W
R251	1-216-222-00	RES-CHIP	10K	5%	1/8W	R371	1-216-089-11	RES-CHIP	47K	5%	1/10W
R252	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R372	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R253	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R375	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R254	1-216-222-00	RES-CHIP	10K	5%	1/8W	R376	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R255	1-216-085-11	RES-CHIP	33K	5%	1/10W	R377	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R256	1-216-085-11	RES-CHIP	33K	5%	1/10W	R401	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R257	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R402	1-216-081-00	METAL CHIP	22K	5%	1/10W
R258	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R403	1-216-081-00	METAL CHIP	22K	5%	1/10W
R259	1-216-025-11	RES-CHIP	100	5%	1/10W	R404	1-216-097-11	RES-CHIP	100K	5%	1/10W
R260	1-216-025-11	RES-CHIP	100	5%	1/10W	R405	1-216-097-11	RES-CHIP	100K	5%	1/10W
R261	1-216-097-11	RES-CHIP	100K	5%	1/10W	R406	1-216-077-11	RES-CHIP	15K	5%	1/10W
R262	1-216-097-11	RES-CHIP	100K	5%	1/10W	R407	1-216-077-11	RES-CHIP	15K	5%	1/10W
R263	1-216-045-00	METAL CHIP	680	5%	1/10W	R408	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R264	1-216-033-00	METAL CHIP	220	5%	1/10W	R409	1-216-084-00	METAL CHIP	30K	5%	1/10W
R265	1-216-073-00	RES-CHIP	10K	5%	1/10W	R410	1-216-073-00	RES-CHIP	10K	5%	1/10W
R266	1-216-182-00	RES-CHIP	220	5%	1/8W	R411	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R267	1-216-134-00	METAL CHIP	2.2	5%	1/8W	R412	1-216-045-00	METAL CHIP	680	5%	1/10W
R268	1-216-134-00	METAL CHIP	2.2	5%	1/8W	R413	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R269	1-205-991-11	METAL	0.1X2	10%	5W F	R451	1-216-222-00	RES-CHIP	10K	5%	1/8W
R270	1-216-073-00	RES-CHIP	10K	5%	1/10W	R452	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R271	1-216-089-11	RES-CHIP	47K	5%	1/10W	R453	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R272	1-216-134-00	METAL CHIP	2.2	5%	1/8W	R454	1-216-222-00	RES-CHIP	10K	5%	1/8W
R275	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R455	1-216-085-11	RES-CHIP	33K	5%	1/10W
R276	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R456	1-216-085-11	RES-CHIP	33K	5%	1/10W
R277	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R457	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R301	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	R458	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R302	1-216-081-00	METAL CHIP	22K	5%	1/10W	R459	1-216-025-11	RES-CHIP	100	5%	1/10W
R303	1-216-081-00	METAL CHIP	22K	5%	1/10W	R460	1-216-025-11	RES-CHIP	100	5%	1/10W
R304	1-216-097-11	RES-CHIP	100K	5%	1/10W	R461	1-216-097-11	RES-CHIP	100K	5%	1/10W
R305	1-216-097-11	RES-CHIP	100K	5%	1/10W	R462	1-216-097-11	RES-CHIP	100K	5%	1/10W
R306	1-216-077-11	RES-CHIP	15K	5%	1/10W	R463	1-216-045-00	METAL CHIP	680	5%	1/10W
R307	1-216-077-11	RES-CHIP	15K	5%	1/10W	R464	1-216-033-00	METAL CHIP	220	5%	1/10W
R308	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	R465	1-216-073-00	RES-CHIP	10K	5%	1/10W
R309	1-216-084-00	METAL CHIP	30K	5%	1/10W	R466	1-216-182-00	RES-CHIP	220	5%	1/8W
R310	1-216-073-00	RES-CHIP	10K	5%	1/10W	R467	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R311	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	R468	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R312	1-216-045-00	METAL CHIP	680	5%	1/10W	R469	1-205-991-11	METAL	0.1X2	10%	5W F
R313	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R470	1-216-073-00	RES-CHIP	10K	5%	1/10W
R351	1-216-222-00	RES-CHIP	10K	5%	1/8W	R471	1-216-089-11	RES-CHIP	47K	5%	1/10W
R352	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R472	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R353	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R475	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R354	1-216-222-00	RES-CHIP	10K	5%	1/8W	R476	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R355	1-216-085-11	RES-CHIP	33K	5%	1/10W	R477	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R356	1-216-085-11	RES-CHIP	33K	5%	1/10W	R801	1-216-198-11	RES-CHIP	1K	5%	1/8W
R357	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R802	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R358	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R803	1-216-198-11	RES-CHIP	1K	5%	1/8W
R359	1-216-025-11	RES-CHIP	100	5%	1/10W	R804	1-216-198-11	RES-CHIP	1K	5%	1/8W
R360	1-216-025-11	RES-CHIP	100	5%	1/10W	R805	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R361	1-216-097-11	RES-CHIP	100K	5%	1/10W	R806	1-208-291-11	RES-CHIP	4.7M	5%	1/10W
R362	1-216-097-11	RES-CHIP	100K	5%	1/10W	R807	1-216-097-11	RES-CHIP	100K	5%	1/10W
R363	1-216-045-00	METAL CHIP	680	5%	1/10W	R808	1-216-097-11	RES-CHIP	100K	5%	1/10W
R364	1-216-033-00	METAL CHIP	220	5%	1/10W	R809	1-216-222-00	RES-CHIP	10K	5%	1/8W
R365	1-216-073-00	RES-CHIP	10K	5%	1/10W	R810	1-216-049-11	RES-CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description	Quantity	Power	Remark
R811	1-216-049-11	RES-CHIP	1K	5%	1/10W
R814	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R815	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R901	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R902	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R903	1-216-089-11	RES-CHIP	47K	5%	1/10W
R904	1-216-033-00	METAL CHIP	220	5%	1/10W
R905	1-216-041-00	METAL CHIP	470	5%	1/10W
R906	1-216-073-00	RES-CHIP	10K	5%	1/10W
R907	1-216-049-11	RES-CHIP	1K	5%	1/10W
R908	1-216-049-11	RES-CHIP	1K	5%	1/10W
R909	1-216-041-00	METAL CHIP	470	5%	1/10W
R910	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R911	1-216-081-00	METAL CHIP	22K	5%	1/10W
R912	1-216-097-11	RES-CHIP	100K	5%	1/10W
R913	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R914	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R915	1-216-035-00	METAL CHIP	270	5%	1/10W
R916	1-216-049-11	RES-CHIP	1K	5%	1/10W
R917	1-216-073-00	RES-CHIP	10K	5%	1/10W
R918	1-216-073-00	RES-CHIP	10K	5%	1/10W
R919	1-216-222-00	RES-CHIP	10K	5%	1/8W
R920	1-216-190-00	RES-CHIP	470	5%	1/8W
R921	1-216-190-00	RES-CHIP	470	5%	1/8W
R922	1-216-049-11	RES-CHIP	1K	5%	1/10W
R923	1-216-049-11	RES-CHIP	1K	5%	1/10W
R924	1-216-049-11	RES-CHIP	1K	5%	1/10W
R925	1-216-049-11	RES-CHIP	1K	5%	1/10W
R926	1-216-158-00	RES-CHIP	22	5%	1/8W
R927	1-216-158-00	RES-CHIP	22	5%	1/8W
R928	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R929	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R930	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R931	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R932	1-216-150-00	RES-CHIP	10	5%	1/8W
R933	1-216-150-00	RES-CHIP	10	5%	1/8W
R934	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
< SWITCH >					
SW801	1-571-478-11	SWITCH, SLIDE (HPF(80Hz) (FRONT))			
SW802	1-571-478-11	SWITCH, SLIDE (LPF(80Hz) (REAR))			
< TRANSFORMER >					
T901	1-443-277-11	TRANSFORMER, DC-DC CONVERTER			
< THERMISTOR (POSITIVE) >					
TH901	1-810-506-11	THERMISTOR NTH5G39B223K01			
TH902	1-810-506-11	THERMISTOR NTH5G39B223K01			
TH903	1-810-506-11	THERMISTOR NTH5G39B223K01			
< VARIABLE RESISTOR >					
VR801	1-225-459-11	RES, VAR, CARBON 10KX2 (LEVEL (FRONT))			
VR802	1-225-459-11	RES, VAR, CARBON 10KX2 (LEVEL (REAR))			

Ref. No.	Part No.	Description	Remark
MISCELLANEOUS *****			
△ F901	1-576-256-11	FUSE (BLADE TYPE) (AUTO FUSE) (25A)	
△ F902	1-576-256-11	FUSE (BLADE TYPE) (AUTO FUSE) (25A)	

ACCESSORIES *****			
3-263-283-11		MANUAL, INSTRUCTION (ENGLISH,SPANISH) (US,CND)	
3-263-283-21		MANUAL, INSTRUCTION (ENGLISH,SPANISH, TRADITIONAL CHINESE) (AEP,UK,E,MX)	
3-263-283-31		MANUAL, INSTRUCTION (GERMAN,FRENCH, ITALIAN) (AEP,UK)	
3-263-283-41		MANUAL, INSTRUCTION (DUTCH,RUSSIAN, SWEDISH) (AEP,UK)	
3-263-283-51		MANUAL, INSTRUCTION (GREEK,POLISH, PORTUGUESE) (AEP,UK)	

PARTS FOR INSTALLATION AND CONNECTIONS *****			
101	3-367-410-01	SCREW (DIA.5X15), TAPPING (MOUNTING SCREW)	
102	1-823-952-11	CORD (WITH CONNECTOR) 8P (0.2m)	
103	3-263-276-01	COVER (POWER)	



<p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p>	<p>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
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