JVC

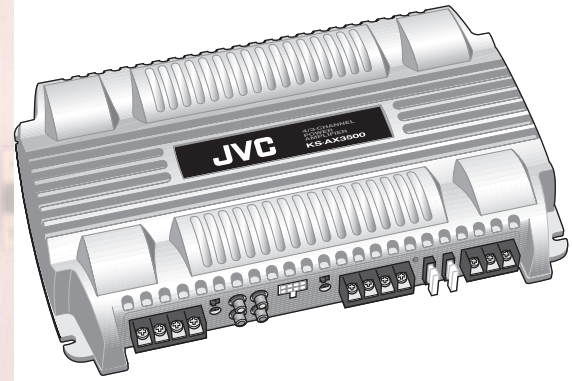
# SERVICE MANUAL

## POWER AMPLIFIER

# KS-AX3500

**Area suffix**

J ---------- Northern America
E ---------- Southern Europe
U ---------- Other Areas




Amplifier Power Standard
CEA
CEA-2006 Compliant

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No.MA172
2005/3

# SPECIFICATION

| | |
|---|---|
| Power Output | 55 W RMS × 4 channels at 4 Ω and [ < or = ] 1% THD + N |
| Signal-to-Noise Ratio | 86 dBA (reference: 1 W into 4 Ω) |
| Maximum Power Output | 580 W |
| Load Impedance | 4 Ω (2 Ω to 8 Ω allowance)<br>4 Ω (4 Ω to 8 Ω allowance) (Bridge mode) |
| Frequency Response | 5 Hz to 50,000 Hz ( +0, -3 dB) |
| Input Sensitivity/Impedance | 1 V/20 kΩ (0.3 V to 6 V, variable) |
| Distortion | Less than 0.005% (at 1 kHz) |
| Power Requirement | DC 14.4 V (11 V to 16 V allowance) |
| Grounding system | Negative ground |
| Dimensions (W/H/D) | 347 mm × 54 mm × 222 mm (13-11/16 in. × 2-3/16 in. × 8-3/4 in.) |
| Mass (approx.) | 2.8 kg (6.2 lbs.) |

Design and specifi cations are subject to change without notice.

# SECTION 1
# PRECAUTION

## 1.1 Safety Precautions

> ⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

## SECTION 2
## SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

# SECTION 3
# DISASSEMBLY

## 3.1 Main board

### 3.1.1 Removing the main board (See Fig.1 to 4)

(1) From the bottom of the amplifier, remove the seven screws **A** attaching the cover.
(2) From the main body of the amplifier, remove the nine screws **B** and the screw **C** attaching the main board.
(3) Remove the three screws **D** on top of the rear cover.
(4) Remove the screw **E** and the four screws **F** on the front side of the rear cover.

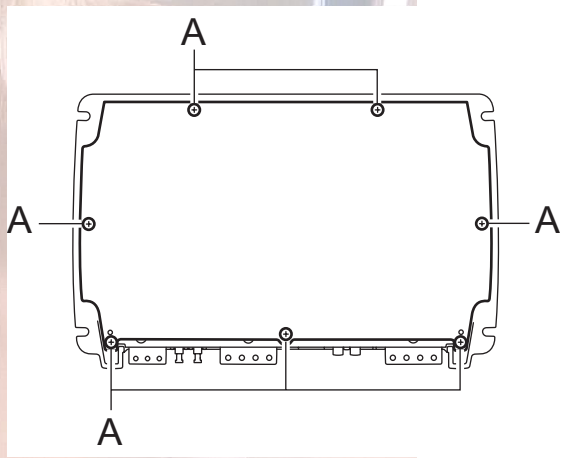



Fig.1

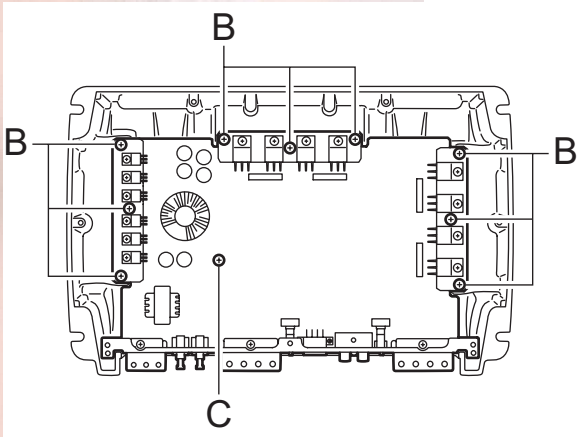



Fig.2

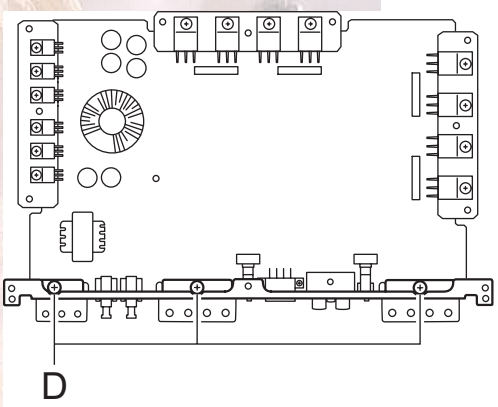



Fig.3

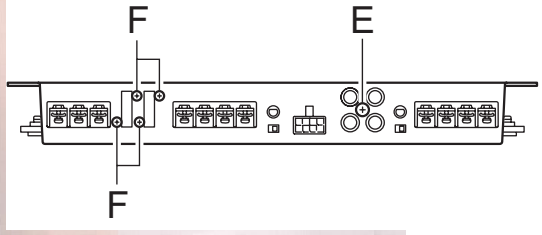


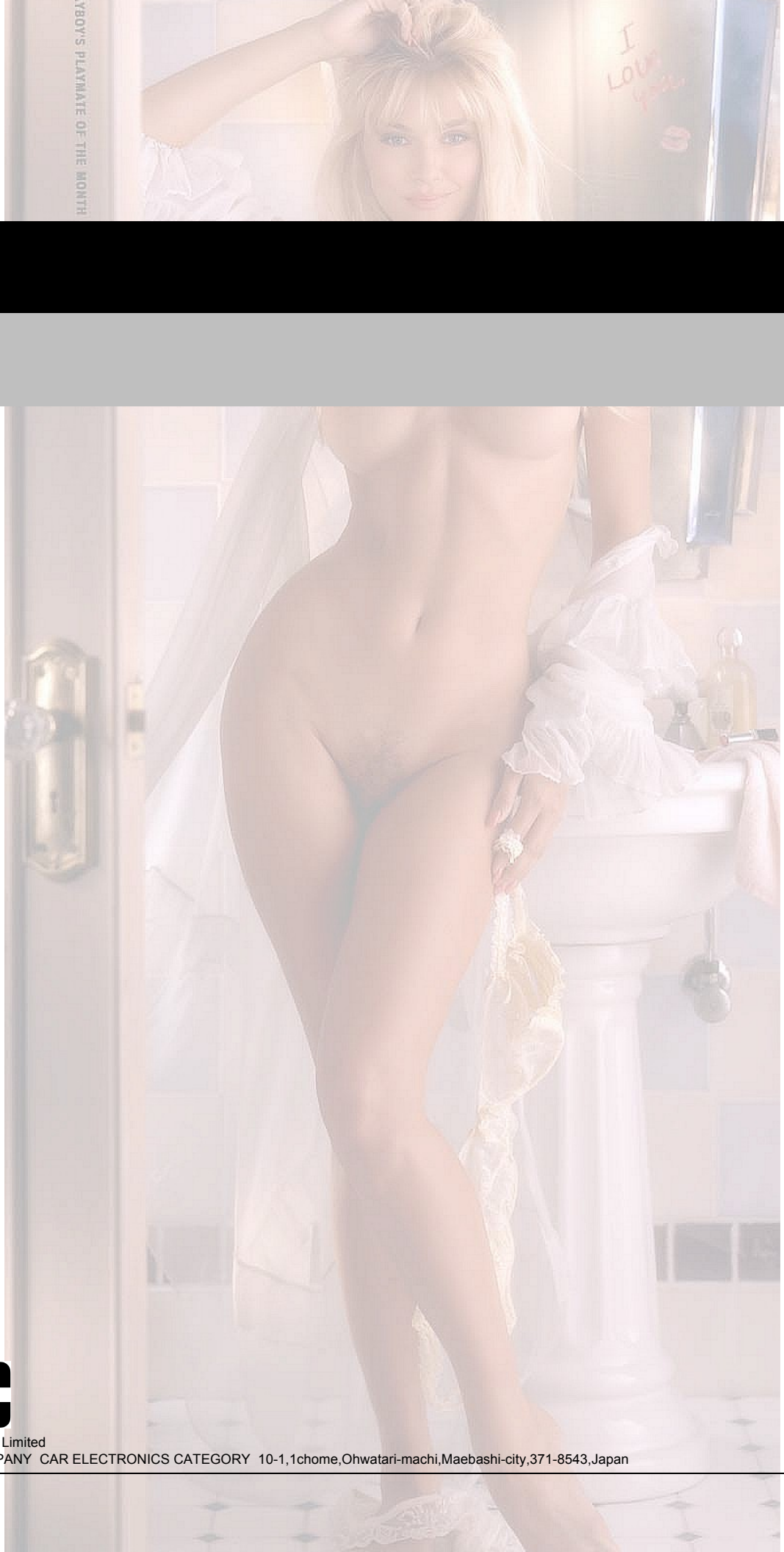

Fig.4

# SECTION 4
# ADJUSTMENT

This service manual does not describe ADJUSTMENT.

# SECTION 5
# TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.




JVC

Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY CAR ELECTRONICS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA172)

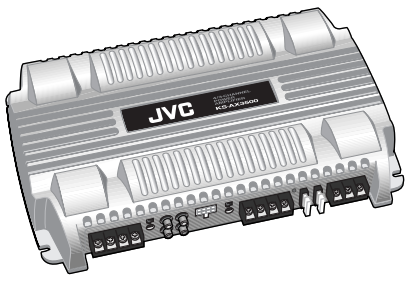
Printed in Japan
VPT

# KS-AX3500
# KS-AX3300
## POWER AMPLIFIER: INSTRUCTIONS
## AMPLIFICATEUR DE PUISSANCE: MANUEL D'INSTRUCTIONS

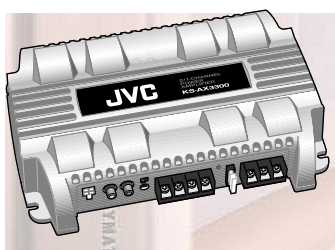
LVT1329-001A
[J/E/U]

1204MNMMDWASH
EN, FR


## ENGLISH




KS-AX3500




KS-AX3300

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

### For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

## CAUTIONS AND NOTES

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems.**

- This unit uses BTL (Balanced Trans-formerless) amplifier circuitry, i.e., floating ground system, so please comply with the following:
  - ∗ Do not connect the "⊖" terminals of the speakers to each other.
  - ∗ Do not connect the "⊖" terminals of the speakers to the metal body or chassis.
- Cover the unused terminals with insulating tape to prevent them from short circuiting.
- When an extension lead is used, it should be as thick and short as possible; connect it firmly with insulating tape.
- Be sure to leave an appropriate space between the antenna (aerial) and the wires of this unit.
- When replacing the fuse, only use a 25 A fuse for KS-AX3500 and 30 A fuse for KS-AX3300.
- Do not let pebbles, sand or metallic objects get inside the unit.
- To keep the heat dissipation mechanism running effectively, wipe the accumulated dust off periodically.
- Listening to the tape, radio, CD or MD, etc. with the volume on loud for a long period of time will exhaust the battery, while the engine is turned off or while the engine is idling.

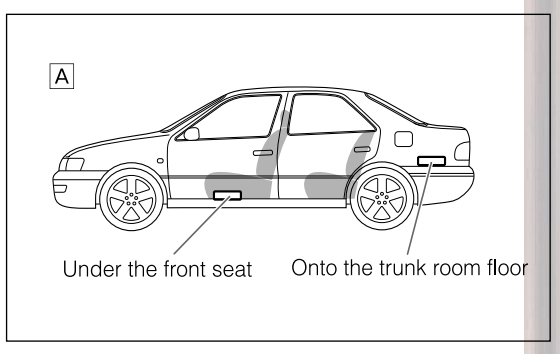
*DO NOT disassemble the units since there are no user serviceable parts inside.*

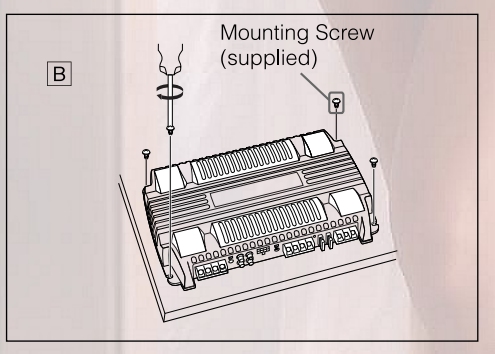
**For Customer Use:**
Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. _____
Serial No. _____

## INSTALLATION

The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your "JVC IN-CAR ENTERTAINMENT" car audio dealer or a company supplying kits.

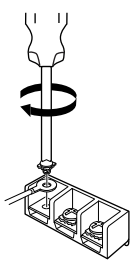



A Mount on a firm surface, such as in the trunk room or under the front seat.
- Since heat is generated in this unit, do not mount near inflammable objects. In addition, mount in an area that will not prevent the unit from dissipating heat.
- Do not mount the unit in the places subject to heat such as near a radiator, in a glove compartment or in insulated areas such as under a car mat that will prevent the unit from dissipating heat.

B When mounting this unit, be sure to use the screws provided. If any other screws are used, there is a risk of loosening the unit or damaging parts inside it.

## TERMINAL CONNECTIONS



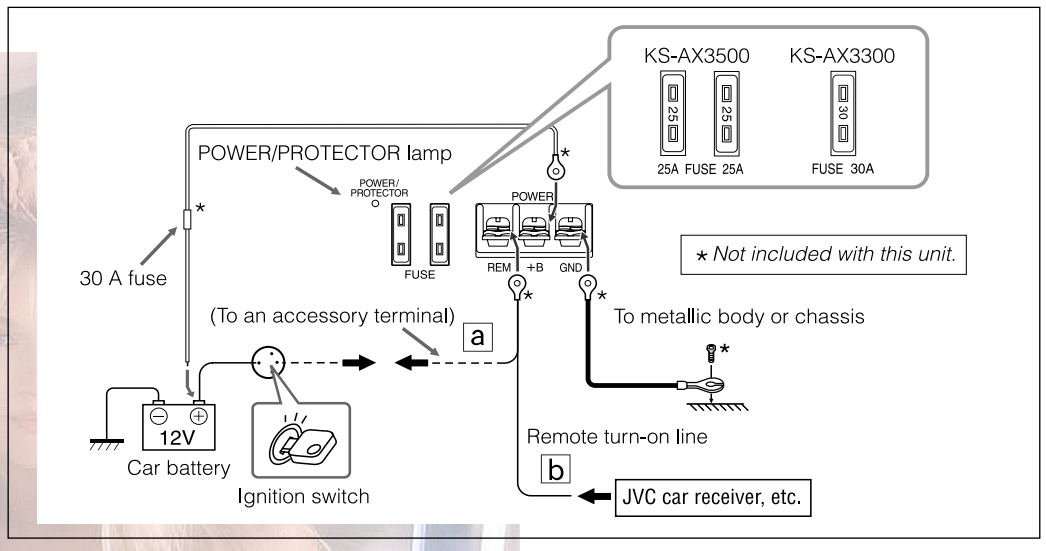
When making the terminal connections…

**Properly fix the terminal with the screw provided by turning it in the direction as illustrated.**

***Note***

*When you tighten the screw, make sure that the screw is securely fixed in place to prevent disconnection of the terminal. Avoid over-tightening as it may cause damage to the screw or its head slot.*

## POWER SUPPLY




**CAUTION**

**To prevent short circuits while making connections, keep the battery's negative terminal disconnected.**

- When using a power cord, be sure to place the 30 A fuse near the battery as shown.
- Connect the lead wire (purchased separately) through which power is supplied directly to the battery's "⊕" terminal only after all the other connections have been made.

*The lead wire connected to the* **+ B** *terminal of this unit should have a cross-section of more than 5 mm². Be sure to use a ring terminal (optional) for secure connection.*

- If you have any questions regarding the thickness of the power cord, etc., consult your nearest "JVC IN-CAR ENTERTAINMENT" car audio dealer.

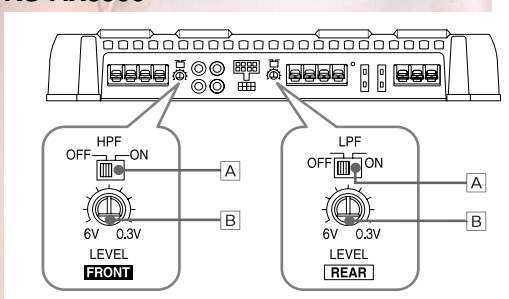
**When connecting a unit without a remote lead (a),** connect to the accessory circuit of the car which is activated by the ignition switch. In this case, noise may occur when the car receiver is turned on or off. To avoid this noise, do not turn on or off the car receiver itself. You can turn on or off the car receiver along with the on/off operation of the ignition switch.

**If you use JVC car receiver with a remote lead (b),** connect to the REM terminal on this unit.

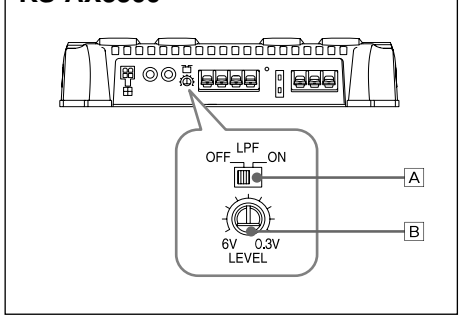
**If the POWER/PROTECTOR lamp lights in red,** it indicates incorrect speaker wiring or connections. In normal status, the POWER/PROTECTOR lamp lights in green. Make sure to correct speaker wiring and other connections.

## CONTROLS

**KS-AX3500**




**KS-AX3300**




A **Crossover filter switch**
**OFF:** Normally, set to this position. (Preset to this position at the factory.)
**ON:** (For LPF switch) Set to this position when you want to turn on the LPF (Low-pass filter) switch. You can use the following terminals for a subwoofer system.
KS-AX3500: REAR SPEAKER OUTPUT
KS-AX3300: SPEAKER OUTPUT
(For HPF switch—only for KS-AX3500)
Set to this position when you want to turn on the HPF (High-pass filter) switch. The low frequency signals are not applied to the left/right speaker when a subwoofer is connected.

B **Input LEVEL controller**
The input level can be adjusted with this control when this unit is connected to other source equipments. Turn it in the clockwise direction when the output level of the car audio seems low.

## SPEAKER SYSTEMS

This amplifier provides two types of speaker connections: Normal mode and Bridge mode. You can choose either type of connections depending on the speakers configuration equipped on your car.
Make sure to comply with the following notes:

- Be sure not to connect the "⊖" terminals of the speakers to a common point.
- If the ground wire is common to both left/right and front/rear speaker wirings, this unit cannot be used. Always use the independent lead wires for the speakers to be used. In this case, redo the wirings.
- Use the speakers with an impedance of 2 Ω to 8 Ω (4 Ω to 8 Ω: when used in Bridge mode).
- Use the speakers which have sufficient power to the unit.

## SPEAKER CONNECTIONS

Connection varies depending on the number of the speakers used in your car. Select the appropiate connection referring to the diagrams below.

**Before connecting:** Securely connect all the parts. If the connections are loose, due to contact resistance etc., heat will break out and may cause an accident. Secure and cover the cords with insulating tape and run them under the car mats.

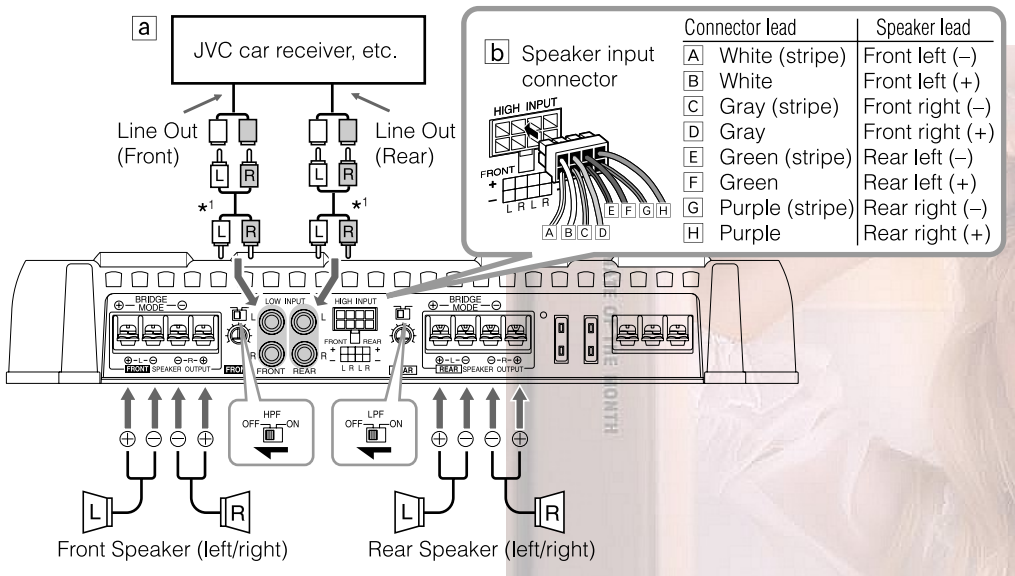
- Depending on the manufacturer and model of the car, speaker wiring may have been finished when purchased. If the ground wire is common to both left and right speakers, this unit cannot be used. In this case, redo the speaker wiring.

a **When your receiver is equipped with Line Output,** connect the Line Output (through the receiver) to the LOW INPUT jacks on this unit.

b **When your receiver is NOT equipped with Line Output,** connect the speaker connector (through the receiver) to the HIGH INPUT terminal on this unit.

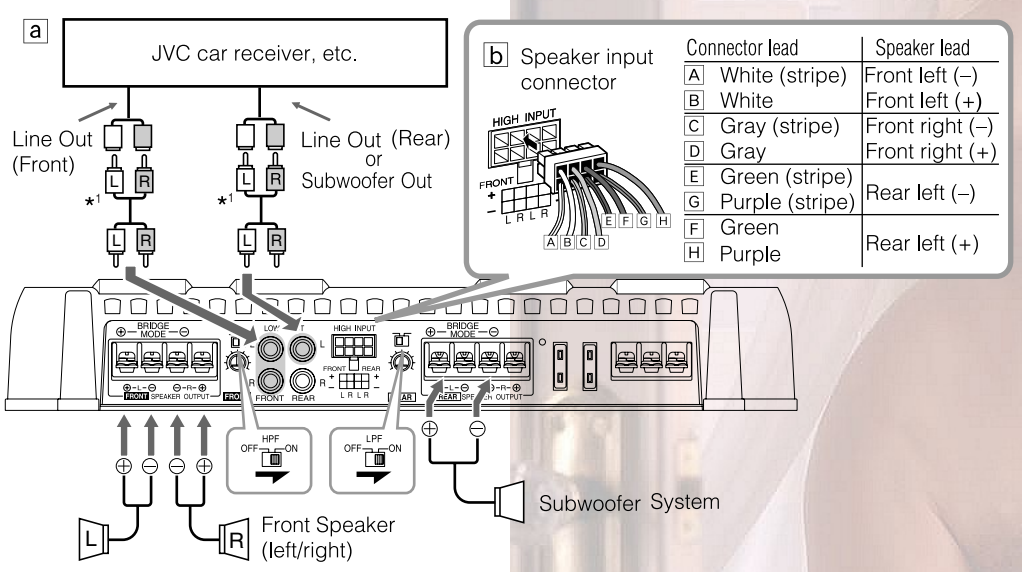
### KS-AX3500

#### 4-speaker system



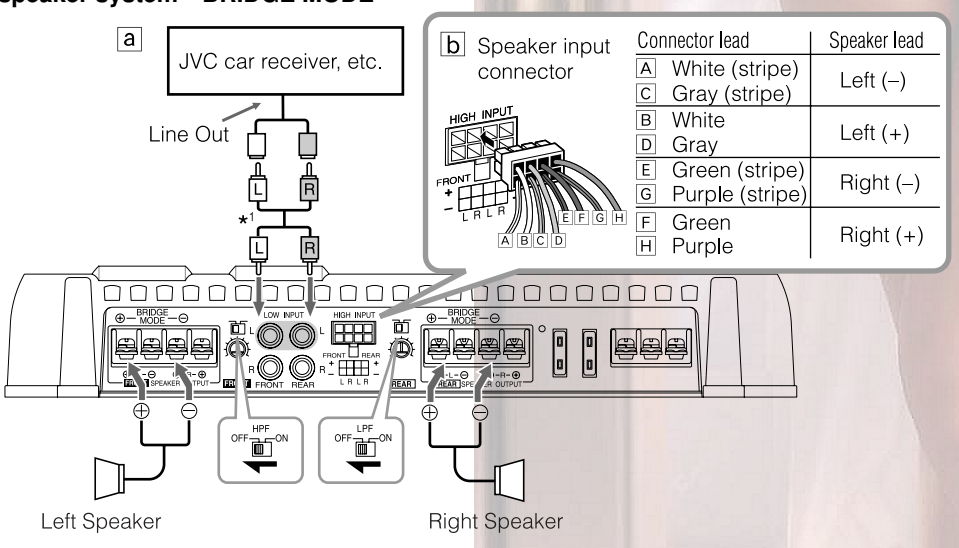

| Connector lead | Speaker lead |
|---|---|
| A White (stripe) | Front left (–) |
| B White | Front left (+) |
| C Gray (stripe) | Front right (–) |
| D Gray | Front right (+) |
| E Green (stripe) | Rear left (–) |
| F Green | Rear left (+) |
| G Purple (stripe) | Rear right (–) |
| H Purple | Rear right (+) |

#### 2-speaker system plus subwoofer—BRIDGE MODE*2




| Connector lead | Speaker lead |
|---|---|
| A White (stripe) | Front left (–) |
| B White | Front left (+) |
| C Gray (stripe) | Front right (–) |
| D Gray | Front right (+) |
| E Green (stripe) | Rear left (–) |
| G Purple (stripe) | |
| F Green | Rear left (+) |
| H Purple | |

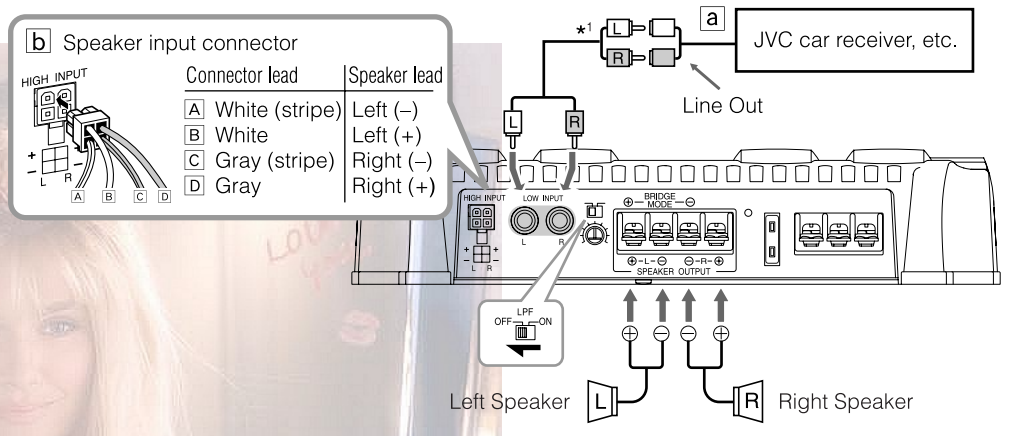
#### 2-speaker system—BRIDGE MODE*2




| Connector lead | Speaker lead |
|---|---|
| A White (stripe) | Left (–) |
| C Gray (stripe) | |
| B White | Left (+) |
| D Gray | |
| E Green (stripe) | Right (–) |
| G Purple (stripe) | |
| F Green | Right (+) |
| H Purple | |

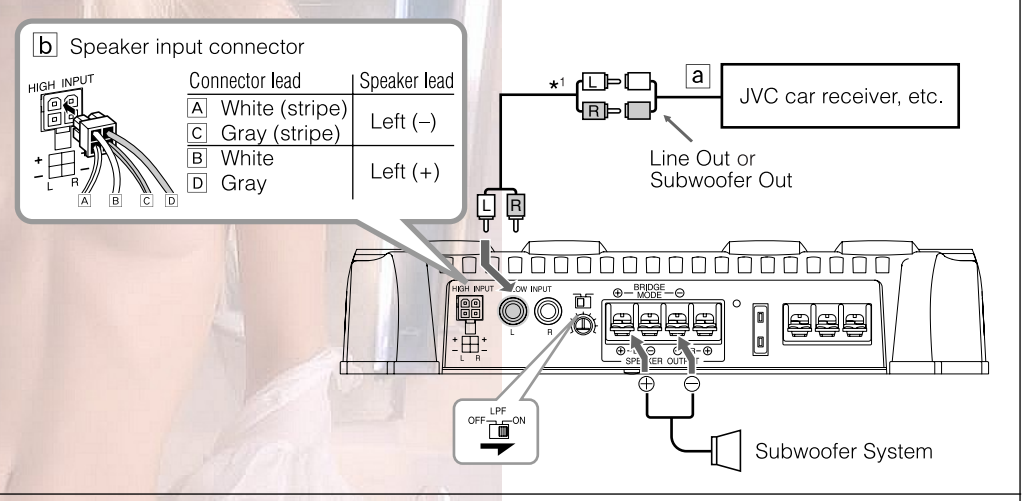
### KS-AX3300

#### 2-speaker system



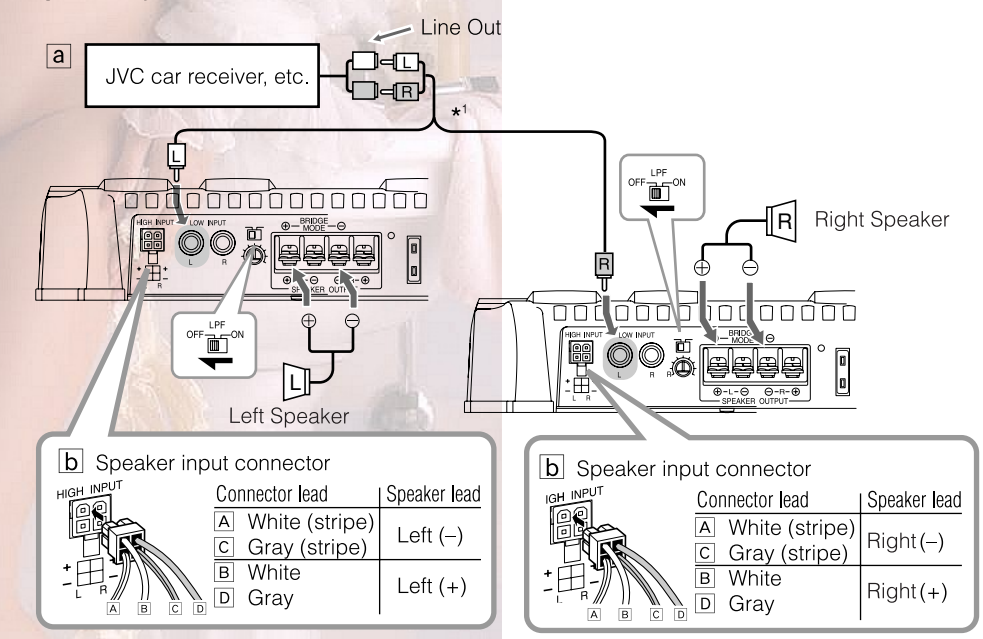

| Connector lead | Speaker lead |
|---|---|
| A White (stripe) | Left (–) |
| B White | Left (+) |
| C Gray (stripe) | Right (–) |
| D Gray | Right (+) |

#### Subwoofer system—BRIDGE MODE*2




| Connector lead | Speaker lead |
|---|---|
| A White (stripe) | Left (–) |
| C Gray (stripe) | |
| B White | Left (+) |
| D Gray | |

#### 1-speaker system—BRIDGE MODE*2




| Connector lead | Speaker lead |
|---|---|
| A White (stripe) | Left (–) |
| C Gray (stripe) | |
| B White | Left (+) |
| D Gray | |

| Connector lead | Speaker lead |
|---|---|
| A White (stripe) | Right (–) |
| C Gray (stripe) | |
| B White | Right (+) |
| D Gray | |

*1 *Not supplied for this unit.*

*2 *BRIDGE MODE: Be sure to connect the line output from the receiver to the left (L) jack on this unit.*

## TROUBLESHOOTING

For more details, consult your “JVC IN-CAR ENTERTAINMENT” car audio dealer.

**The POWER/PROTECTOR lamp does not light.**
- Confirm if the fuse is blown.
- Confirm if the ground lead is connected securely to a metal part of the car.
- Make sure that the equipment connected to this unit is turned on.
- Use a relay if your system employs too many amplifiers.
- Confirm the battery voltage (11 V to 16 V).

**The POWER/PROTECTOR lamp lights in red and/or the unit heats up abnormally.**
- Confirm if the impedance of the connected speaker is suitable.
- Confirm if the speaker wirings are short-circuited.
- Leave the unit turned off for a while as it cools down.

**No sound is heard.**
- Confirm if the POWER/PROTECTOR lamp lights in green (see “POWER SUPPLY” on page 1).
- Is the remote turn-on line lead connected correctly?
- Are RCA pin cords connected to the LOW INPUT jacks?
- Is the speaker input connector from the receiver connected to the HIGH INPUT terminal?
- Is this amplifier grounded?

**Alternator noise is heard.**
- Keep the power connecting leads away from the RCA pin cords.
- Keep the RCA pin cords away from other electrical cables in the car.
- Confirm if the ground lead is connected securely to a metal part of the car.
- Confirm if the negative speaker leads are touching the car chassis.
- Confirm if the noise originates in the receiver.
- Replace the plugs or use plugs with load resistors.
- Connect a bypass capacitor across the accessory switches (horn, fan, etc.).

**Noise when connected to AM (MW/LW) tuner.**
- Move the speaker and power leads away from the antenna (aerial) lead.

## SPECIFICATIONS

| | |
|---|---|
| Power Output | KS-AX3500: 55 W RMS × 4 channels at 4 Ω and ≤ 1% THD + N<br>KS-AX3300: 65 W RMS × 2 channels at 4 Ω and ≤ 1% THD + N |
| Signal-to-Noise Ratio | 86 dBA (reference: 1 W into 4 Ω) |
| Maximum Power Output | KS-AX3500: 580 W<br>KS-AX3300: 320 W |
| Load Impedance | 4 Ω (2 Ω to 8 Ω allowance)<br>4 Ω (4 Ω to 8 Ω allowance) (Bridge mode) |
| Frequency Response | 5 Hz to 50,000 Hz (+0, –3 dB) |
| Input Sensitivity/Impedance | 1 V/20 kΩ (0.3 V to 6 V, variable) |
| Distortion | Less than 0.005% (at 1 kHz) |
| Power Requirement | DC 14.4 V (11 V to 16 V allowance) |
| Grounding system | Negative ground |
| Dimensions (W/H/D) | KS-AX3500: 347 mm × 54 mm × 222 mm (13-11/16 in. × 2-3/16 in. × 8-3/4 in.)<br>KS-AX3300: 259 mm × 54 mm × 172 mm (10-1/4 in. × 2-3/16 in. × 6-13/16 in.) |
| Mass (approx.) | KS-AX3500: 2.8 kg (6.2 lbs.)<br>KS-AX3300: 1.6 kg (3.6 lbs.) |
| Supplied Accessories | Speaker input connector × 1<br>Mounting Screw (ϕ 4.0 × 20 mm (13/16 in.)) × 4 |

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

JVC

# SCHEMATIC DIAGRAMS

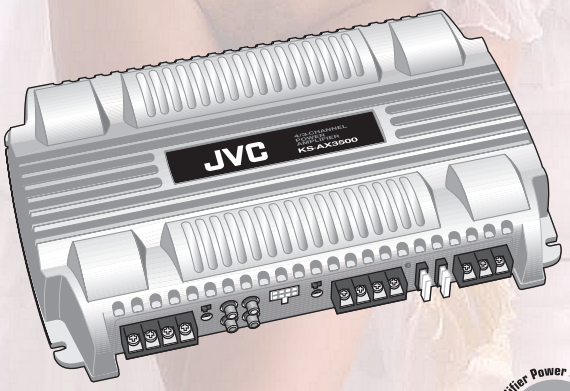
## POWER AMPLIFIER

# KS-AX3500

**CD-ROM No.SML200503**

**Area suffix**

J ---------- Northern America
E ---------- Southern Europe
U ---------- Other Areas




Amplifier Power Standard
CEA
CEA-2006 Compliant

**Contents**



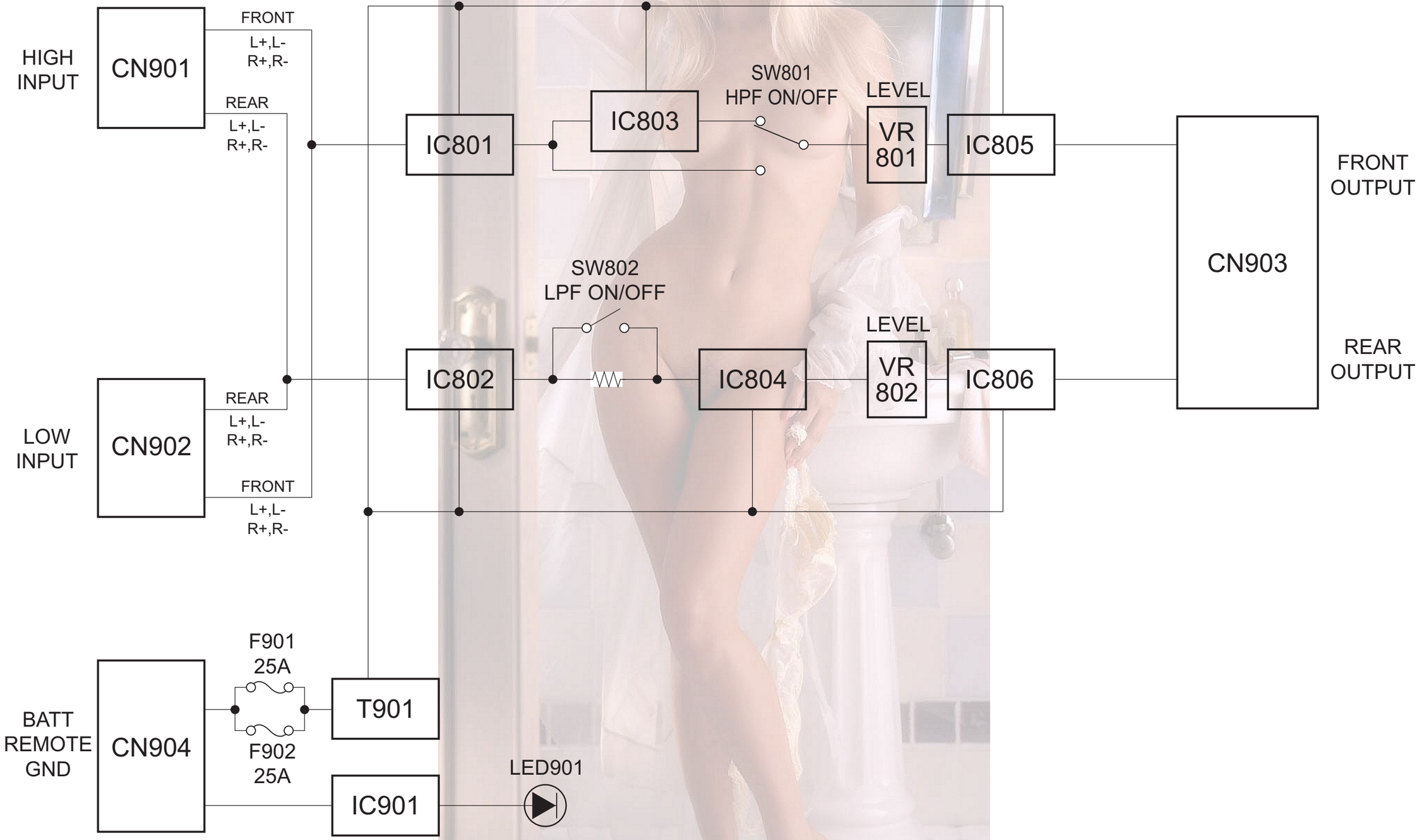


**No.MA172SCH**
**2005/3**

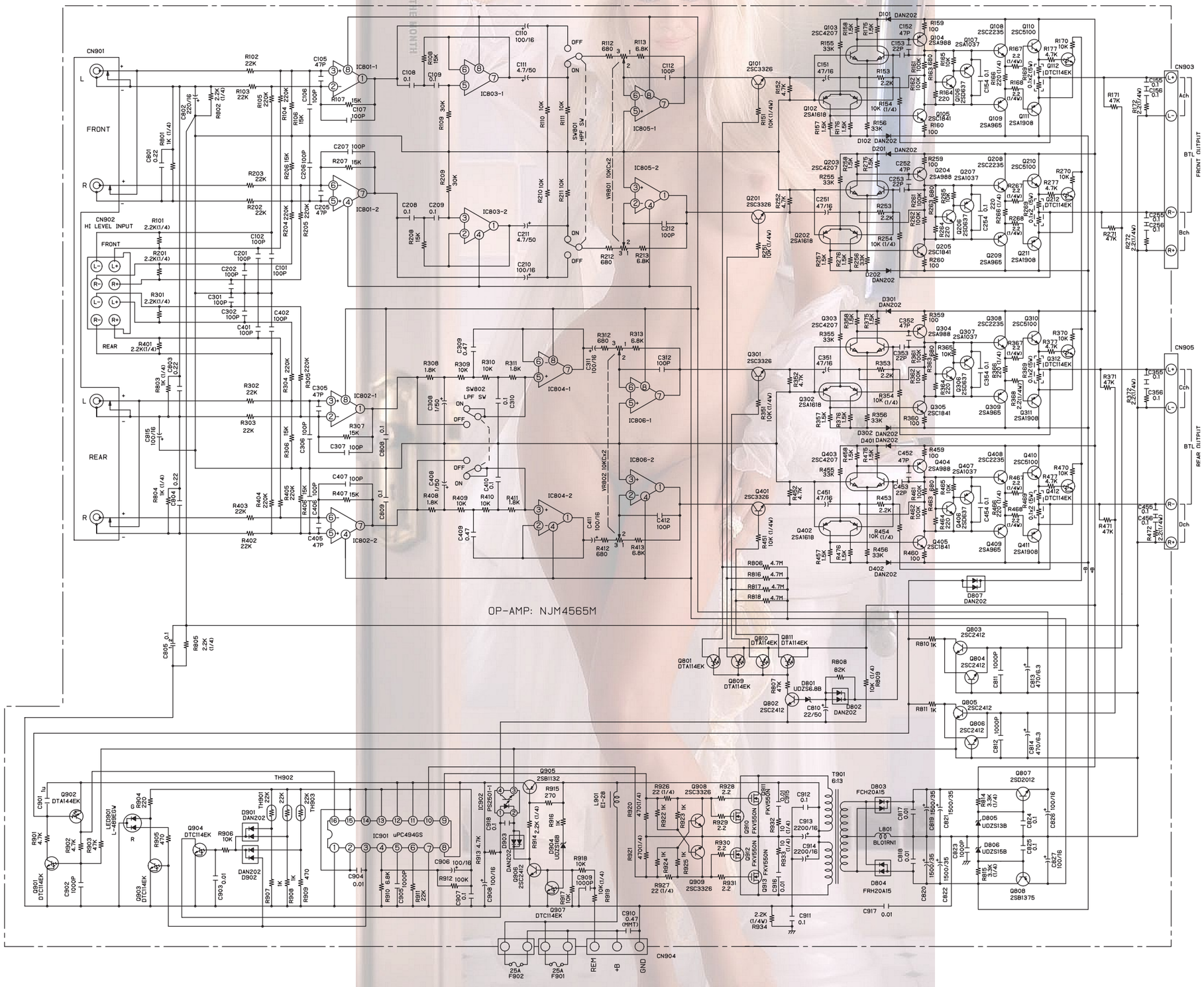
# Safety precaution

> ⚠ ***CAUTION*** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

## Block diagram

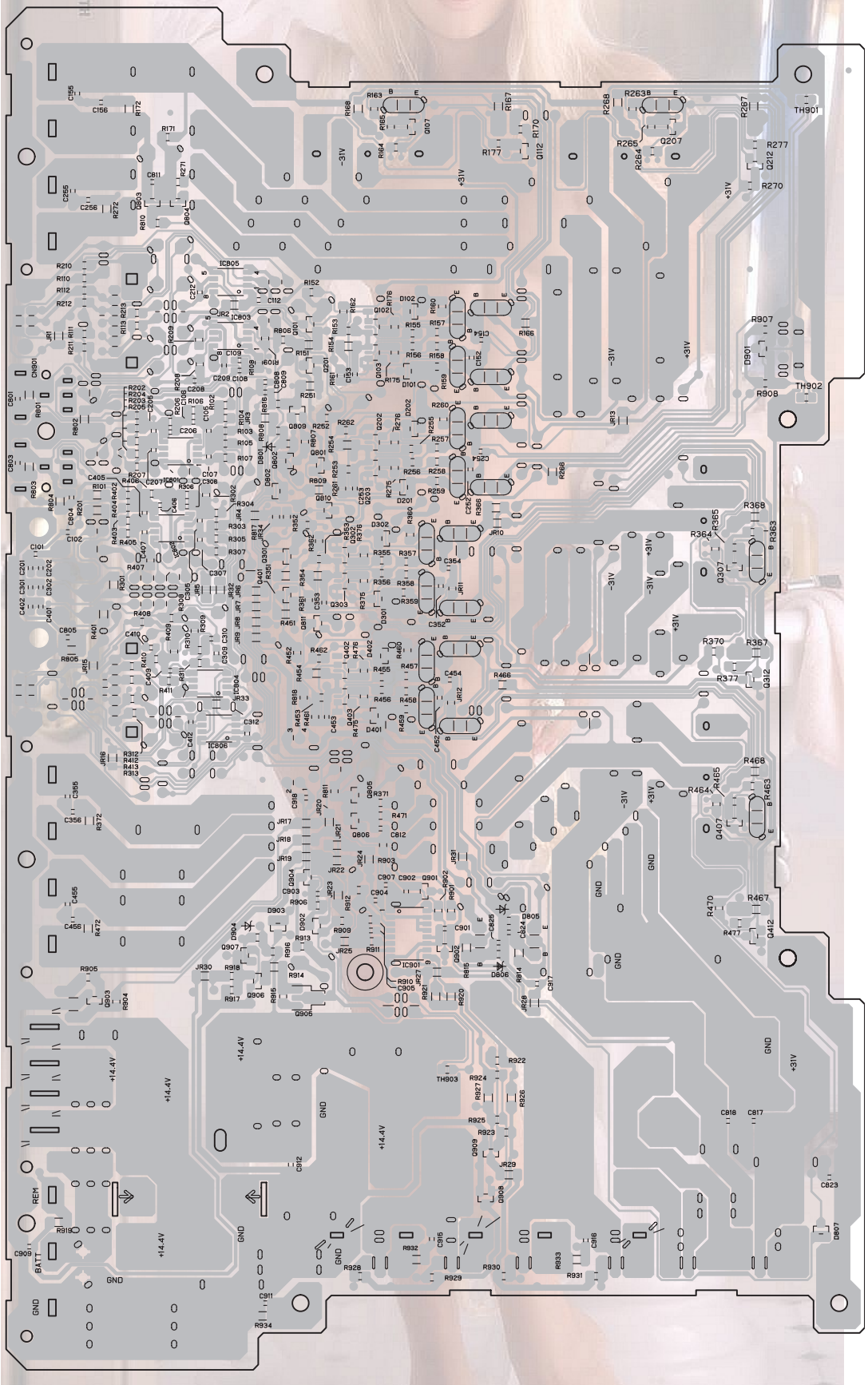


# Standard schematic diagram



# Printed circuit board

## ■ Main board




JVC
**Victor Company of Japan, Limited**
AV & MULTIMEDIA COMPANY CAR ELECTRONICS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA172SCH)

Printed in Japan
VPT

# PARTS LIST

## [ KS-AX3500 ]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

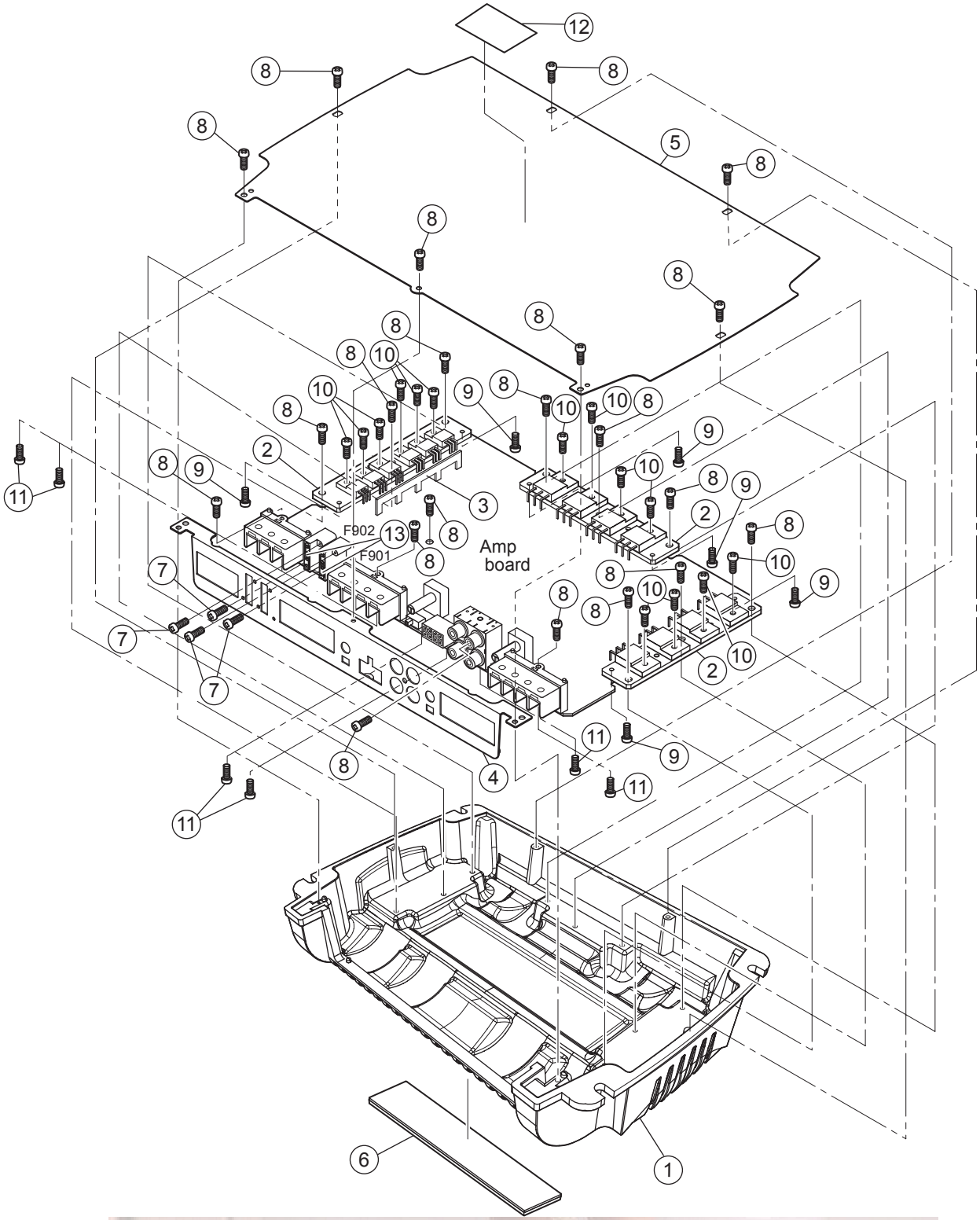
J ---------- Northern America
E ---------- Southern Europe
U ---------- Other Areas

- Contents -



# Exploded view of general assembly and parts list

Block No. M 1 M M



# General Assembly

Block No. [M][1][M][M]

| ⚠ | Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | A4265360-001-0 | HEAT SINK | | |
| | 2 | A1265345-001-0 | HEAT SINK SUB | (x3) | |
| | 3 | A1256475-001-0 | BUS BAR | | |
| | 4 | A3146067-001-A | FRONT CHASSIS | | |
| | 5 | A2146068-001-0 | BOTTOM COVER | | |
| | 6 | A3247033-002-B | PLATE | | |
| | 7 | A3292008-004-2 | SCREW | 2x8(x4) | |
| | 8 | A3293008-032-2 | SCREW | 3x8(x21) | |
| | 9 | A2285199-003-0 | SCREW | 3x8(x6) | |
| | 10 | A2285195-002-0 | SCREW | 3x8.5(x14) | |
| | 11 | A3293008-002-7 | SCREW | 3x8(x6) | |
| | 12 | A1236248-003-0 | RATING LABEL | | E |
| | 12 | A1236248-001-0 | RATING LABEL | | J |
| | 12 | A1236248-002-0 | RATING LABEL | | U |
| ⚠ | 13 | A151-5190-025 | FUSE | 25A F901 F902(x2) | |

# Electrical parts list

## AMP board

Block No. [0][1]

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC801 | NJM4565M | IC | AC08-086-002 TE1 | |
| IC802 | NJM4565M | IC | AC08-086-002 TE1 | |
| IC803 | NJM4565M | IC | AC08-086-002 TE1 | |
| IC804 | NJM4565M | IC | AC08-086-002 TE1 | |
| IC805 | NJM4565M | IC | AC08-086-002 TE1 | |
| IC806 | NJM4565M | IC | AC08-086-002 TE1 | |
| IC901 | UPC494GS-E1-A | IC | AC08-004-002 | |
| IC902 | PS2501-1 | IC | A149-5233-008 | |
| Q101 | 2SC3326 | TRANSISTOR | AC04-083-003 TE85R F | |
| Q102 | 2SA1618 | TRANSISTOR | AC04-178-003 TE85L F | |
| Q103 | 2SC4207 | TRANSISTOR | AC04-177-004 TE85L F | |
| Q104 | 2SA988F | TRANSISTOR | AT04-095-005 | |
| Q105 | 2SC1841F | TRANSISTOR | AT04-094-005 | |
| Q106 | 2SD637 | TRANSISTOR | A148-5484-002 | |
| Q107 | 2SA1037AK | TRANSISTOR | AC04-051-005 T146 | |
| Q108 | 2SC2235 | TRANSISTOR | AT04-219-004 TPE6 F | |
| Q109 | 2SA965 | TRANSISTOR | AT04-220-004 TPE6 F | |
| Q110 | 2SC5100 | TRANSISTOR | A148-5363-005 LF719 | |
| Q111 | 2SA1908 | TRANSISTOR | A148-5364-005 LF719 | |
| Q112 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q201 | 2SC3326 | TRANSISTOR | AC04-083-003 TE85R F | |
| Q202 | 2SA1618 | TRANSISTOR | AC04-178-003 TE85L F | |
| Q203 | 2SC4207 | TRANSISTOR | AC04-177-004 TE85L F | |
| Q204 | 2SA988F | TRANSISTOR | AT04-095-005 | |
| Q205 | 2SC1841F | TRANSISTOR | AT04-094-005 | |
| Q206 | 2SD637 | TRANSISTOR | A148-5484-002 | |
| Q207 | 2SA1037AK | TRANSISTOR | AC04-051-005 T146 | |
| Q208 | 2SC2235 | TRANSISTOR | AT04-219-004 TPE6 F | |
| Q209 | 2SA965 | TRANSISTOR | AT04-220-004 TPE6 F | |
| Q210 | 2SC5100 | TRANSISTOR | A148-5363-005 LF719 | |
| Q211 | 2SA1908 | TRANSISTOR | A148-5364-005 LF719 | |
| Q212 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q301 | 2SC3326 | TRANSISTOR | AC04-083-003 TE85R F | |
| Q302 | 2SA1618 | TRANSISTOR | AC04-178-003 TE85L F | |
| Q303 | 2SC4207 | TRANSISTOR | AC04-177-004 TE85L F | |
| Q304 | 2SA988F | TRANSISTOR | AT04-095-005 | |
| Q305 | 2SC1841F | TRANSISTOR | AT04-094-005 | |
| Q306 | 2SD637 | TRANSISTOR | A148-5484-002 | |
| Q307 | 2SA1037AK | TRANSISTOR | AC04-051-005 T146 | |
| Q308 | 2SC2235 | TRANSISTOR | AT04-219-004 TPE6 F | |
| Q309 | 2SA965 | TRANSISTOR | AT04-220-004 TPE6 F | |
| Q310 | 2SC5100 | TRANSISTOR | A148-5363-005 LF719 | |
| Q311 | 2SA1908 | TRANSISTOR | A148-5364-005 LF719 | |
| Q312 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q401 | 2SC3326 | TRANSISTOR | AC04-083-003 TE85R F | |
| Q402 | 2SA1618 | TRANSISTOR | AC04-178-003 TE85L F | |
| Q403 | 2SC4207 | TRANSISTOR | AC04-177-004 TE85L F | |
| Q404 | 2SA988F | TRANSISTOR | AT04-095-005 | |
| Q405 | 2SC1841F | TRANSISTOR | AT04-094-005 | |
| Q406 | 2SD637 | TRANSISTOR | A148-5484-002 | |
| Q407 | 2SA1037AK | TRANSISTOR | AC04-051-005 T146 | |
| Q408 | 2SC2235 | TRANSISTOR | AT04-219-004 TPE6 F | |
| Q409 | 2SA965 | TRANSISTOR | AT04-220-004 TPE6 F | |
| Q410 | 2SC5100 | TRANSISTOR | A148-5363-005 LF719 | |
| Q411 | 2SA1908 | TRANSISTOR | A148-5364-005 LF719 | |
| Q412 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q801 | DTA114EKA | TRANSISTOR | AC04-310-003 T146 | |
| Q802 | 2SC2412K | TRANSISTOR | AC04-050-005 T146 | |
| Q803 | 2SC2412K | TRANSISTOR | AC04-050-005 T146 | |
| Q804 | 2SC2412K | TRANSISTOR | AC04-050-005 T146 | |
| Q805 | 2SC2412K | TRANSISTOR | AC04-050-005 T146 | |
| Q806 | 2SC2412K | TRANSISTOR | AC04-050-005 T146 | |
| Q807 | 2SD2012F | TRANSISTOR | A148-5290-002 | |
| Q808 | 2SB1375F | TRANSISTOR | A148-5291-002 | |
| Q809 | DTA114EKA | TRANSISTOR | AC04-310-003 T146 | |
| Q810 | DTA114EKA | TRANSISTOR | AC04-310-003 T146 | |
| Q811 | DTA114EKA | TRANSISTOR | AC04-310-003 T146 | |
| Q901 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q902 | DTA144EKA | TRANSISTOR | AC04-310-005 T146 | |
| Q903 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q904 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q905 | 2SB1132 | TRANSISTOR | AC04-044-003 T100 | |
| Q906 | 2SC2412K | TRANSISTOR | AC04-050-005 T146 | |
| Q907 | DTC114EKA | TRANSISTOR | AC04-311-003 T146 | |
| Q908 | 2SC3326 | TRANSISTOR | AC04-083-003 TE85R F | |
| Q909 | 2SC3326 | TRANSISTOR | AC04-083-003 TE85R F | |
| Q910 | FKV550N | FET | A148-5560-001 | |
| Q911 | FKV550N | FET | A148-5560-001 | |
| Q912 | FKV550N | FET | A148-5560-001 | |
| Q913 | FKV550N | FET | A148-5560-001 | |
| D101 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D102 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D201 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D202 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D301 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D302 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D401 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D402 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D801 | UDZS6.8B | Z DIODE | AC04-312-068 TE17 | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| D802 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D803 | FCH20A15 | DIODE ARRAY | A148-5522-002 | |
| D804 | FCH20A15 | DIODE ARRAY | A148-5523-002 | |
| D805 | UDZS13B | Z DIODE | AC04-312-130 TE17 | |
| D806 | UDZS15B | Z DIODE | AC04-312-150 TE17 | |
| D807 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D901 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D902 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D903 | DAN202K | DIODE ARRAY | AC04-053-002 T146 | |
| D904 | UDZS16B | Z DIODE | AC04-312-160 TE17 | |
| C101 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C102 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C105 | AC03-430-470 | C CAPACITOR | 47pF 50V | |
| C106 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C107 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C108 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C109 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C110 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C111 | AT03-B80-475 | E CAPACITOR | 4.7uF 50V | |
| C112 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C151 | AT03-B77-476 | E CAPACITOR | 47uF 16V | |
| C152 | AC03-430-470 | C CAPACITOR | 47pF 50V | |
| C153 | AC03-430-220 | C CAPACITOR | 22pF 50V | |
| C154 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C155 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C156 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C201 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C202 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C205 | AC03-430-470 | C CAPACITOR | 47pF 50V | |
| C206 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C207 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C208 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C209 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C210 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C211 | AT03-B80-475 | E CAPACITOR | 4.7uF 50V | |
| C212 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C251 | AT03-B77-476 | E CAPACITOR | 47uF 16V | |
| C252 | AC03-430-470 | C CAPACITOR | 47pF 50V | |
| C253 | AC03-430-220 | C CAPACITOR | 22pF 50V | |
| C254 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C255 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C256 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C301 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C302 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C305 | AC03-430-470 | C CAPACITOR | 47pF 50V | |
| C306 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C307 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C308 | AT03-B80-105 | E CAPACITOR | 1uF 50V | |
| C309 | AC03-428-474 | C CAPACITOR | 0.47uF 10V | |
| C310 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C311 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C312 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C351 | AT03-B77-476 | E CAPACITOR | 47uF 16V | |
| C352 | AC03-430-470 | C CAPACITOR | 47pF 50V | |
| C353 | AC03-430-220 | C CAPACITOR | 22pF 50V | |
| C354 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C355 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C356 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C401 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C402 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C405 | AC03-430-470 | C CAPACITOR | 47pF 50V | |
| C406 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C407 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C408 | AT03-B80-105 | E CAPACITOR | 1uF 50V | |
| C409 | AC03-428-474 | C CAPACITOR | 0.47uF 10V | |
| C410 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C411 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C412 | AC03-430-101 | C CAPACITOR | 100pF 50V | |
| C451 | AT03-B77-476 | E CAPACITOR | 47uF 16V | |
| C452 | AC03-430-470 | C CAPACITOR | 47pF 50V | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C453 | AC03-430-220 | C CAPACITOR | 22pF 50V | |
| C454 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C455 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C456 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C801 | AC03-433-224 | C CAPACITOR | 0.22uF 16V | |
| C802 | AT03-B77-227 | E CAPACITOR | 220uF 16V | |
| C803 | AC03-433-224 | C CAPACITOR | 0.22uF 16V | |
| C804 | AC03-433-224 | C CAPACITOR | 0.22uF 16V | |
| C805 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C808 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C809 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C810 | AT03-B80-226 | E CAPACITOR | 22uF 50V | |
| C811 | AC03-431-102 | C CAPACITOR | 1000pF 50V | |
| C812 | AC03-431-102 | C CAPACITOR | 1000pF 50V | |
| C813 | AT03-B75-477 | E CAPACITOR | 470uF 6.3V | |
| C814 | AT03-B75-477 | E CAPACITOR | 470uF 6.3V | |
| C815 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C817 | AC03-431-103 | C CAPACITOR | 0.01uF 50V | |
| C818 | AC03-431-103 | C CAPACITOR | 0.01uF 50V | |
| C819 | A116-6405-158 | E CAPACITOR | 1500uF 35V | |
| C820 | A116-6405-158 | E CAPACITOR | 1500uF 35V | |
| C821 | A116-6405-158 | E CAPACITOR | 1500uF 35V | |
| C822 | A116-6405-158 | E CAPACITOR | 1500uF 35V | |
| C823 | AC03-431-102 | C CAPACITOR | 1000pF 50V | |
| C824 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C825 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C826 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C827 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C901 | AC03-429-105 | C CAPACITOR | 1uF 10V | |
| C902 | AC03-431-102 | C CAPACITOR | 1000pF 50V | |
| C903 | AC03-431-103 | C CAPACITOR | 0.01uF 50V | |
| C904 | AC03-431-103 | C CAPACITOR | 0.01uF 50V | |
| C905 | AC03-431-102 | C CAPACITOR | 1000pF 50V | |
| C906 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C907 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C908 | AT03-B77-107 | E CAPACITOR | 100uF 16V | |
| C909 | AC03-431-102 | C CAPACITOR | 1000pF 50V | |
| C910 | AT03-B82-474 | M CAPACITOR | 0.47uF 50V | |
| C911 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C912 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| C913 | A116-6419-228 | E CAPACITOR | 2200uF 16V | |
| C914 | A116-6419-228 | E CAPACITOR | 2200uF 16V | |
| C915 | AC03-431-103 | C CAPACITOR | 0.01uF 50V | |
| C916 | AC03-431-103 | C CAPACITOR | 0.01uF 50V | |
| C917 | AC03-431-103 | C CAPACITOR | 0.01uF 50V | |
| C918 | AC03-432-104 | C CAPACITOR | 0.1uF 25V | |
| R101 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| R102 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R103 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R104 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R105 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R106 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R107 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R108 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R109 | AC02-081-303 | C RESISTOR | 30KΩ 1/10W | |
| R110 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R111 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R112 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R113 | AC02-081-682 | C RESISTOR | 6.8KΩ 1/10W | |
| R151 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R152 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R153 | AC02-081-222 | C RESISTOR | 2.2KΩ 1/10W | |
| R154 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R155 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R156 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R157 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R158 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R159 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R160 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R161 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R162 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R163 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R164 | AC02-081-221 | C RESISTOR | 220Ω 1/10W | |
| R165 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R166 | AC02-083-221 | C RESISTOR | 220Ω 1/4W | |
| R167 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R168 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R169 | A142-5470-R10 | RESISTOR | 0.1Ωk+0.1ΩkS/ L3.5 | |
| R170 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R171 | AC02-081-473 | C RESISTOR | 47KΩ 1/10W | |
| R172 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R175 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R176 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R177 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R201 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| R202 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R203 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R204 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R205 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R206 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R207 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R208 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R209 | AC02-081-303 | C RESISTOR | 30KΩ 1/10W | |
| R210 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R211 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R212 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R213 | AC02-081-682 | C RESISTOR | 6.8KΩ 1/10W | |
| R251 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R252 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R253 | AC02-081-222 | C RESISTOR | 2.2KΩ 1/10W | |
| R254 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R255 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R256 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R257 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R258 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R259 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R260 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R261 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R262 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R263 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R264 | AC02-081-221 | C RESISTOR | 220Ω 1/10W | |
| R265 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R266 | AC02-083-221 | C RESISTOR | 220Ω 1/4W | |
| R267 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R268 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R269 | A142-5470-R10 | RESISTOR | 0.1Ωk+0.1ΩkS/ L3.5 | |
| R270 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R271 | AC02-081-473 | C RESISTOR | 47KΩ 1/10W | |
| R272 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R275 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R276 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R277 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R301 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| R302 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R303 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R304 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R305 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R306 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R307 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R308 | AC02-081-182 | C RESISTOR | 1.8KΩ 1/10W | |
| R309 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R310 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R311 | AC02-081-182 | C RESISTOR | 1.8KΩ 1/10W | |
| R312 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R313 | AC02-081-682 | C RESISTOR | 6.8KΩ 1/10W | |
| R351 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R352 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R353 | AC02-081-222 | C RESISTOR | 2.2KΩ 1/10W | |
| R354 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R355 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R356 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R357 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R358 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R359 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R360 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R361 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R362 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R363 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R364 | AC02-081-221 | C RESISTOR | 220Ω 1/10W | |
| R365 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R366 | AC02-083-221 | C RESISTOR | 220Ω 1/4W | |
| R367 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R368 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |

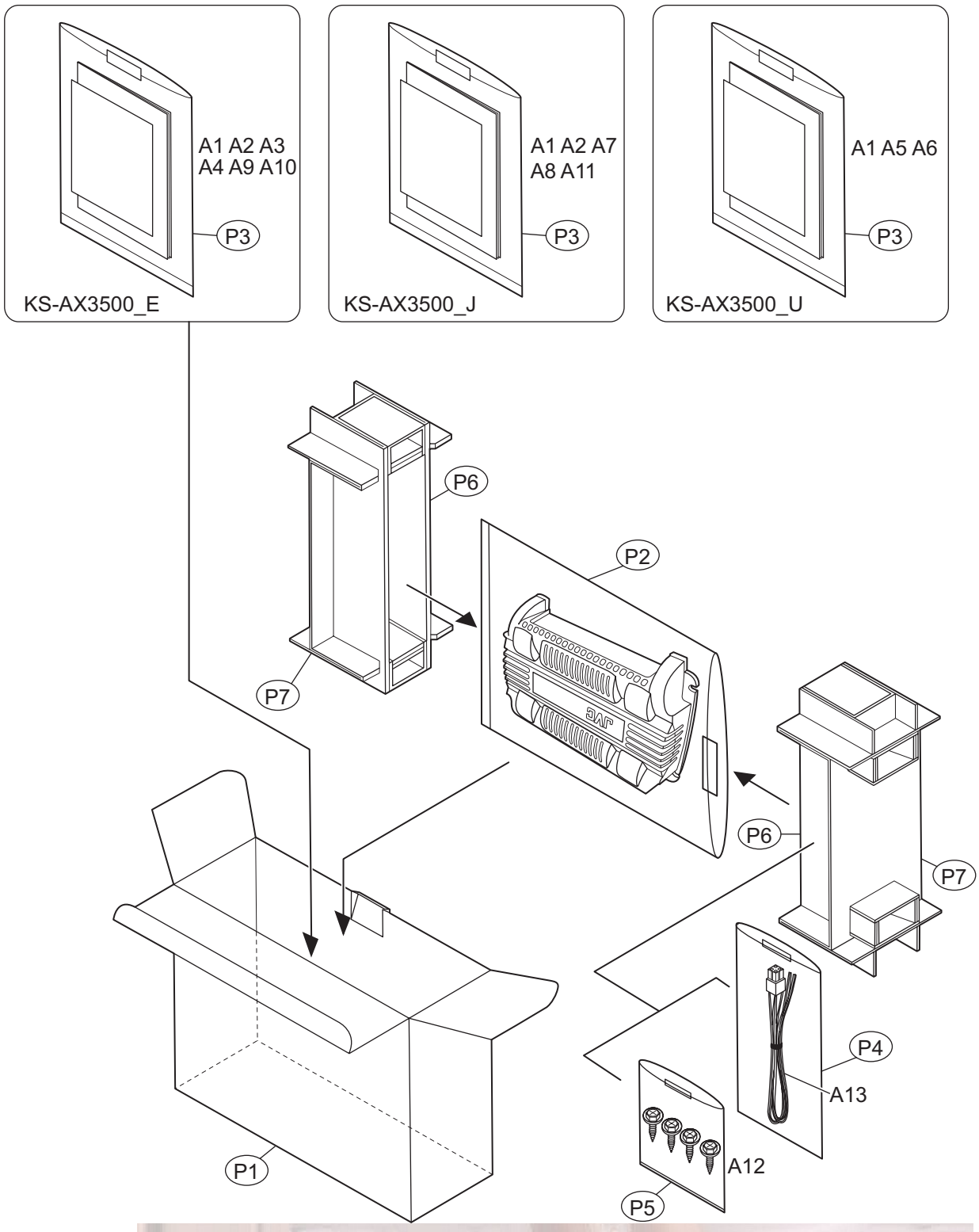
| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R369 | A142-5470-R10 | RESISTOR | 0.1Ωk+0.1ΩkS/ L3.5 | |
| R370 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R371 | AC02-081-473 | C RESISTOR | 47KΩ 1/10W | |
| R372 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R375 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R376 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R377 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R401 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| R402 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R403 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R404 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R405 | AC02-081-224 | C RESISTOR | 220KΩ 1/10W | |
| R406 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R407 | AC02-081-153 | C RESISTOR | 15KΩ 1/10W | |
| R408 | AC02-081-182 | C RESISTOR | 1.8KΩ 1/10W | |
| R409 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R410 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R411 | AC02-081-182 | C RESISTOR | 1.8KΩ 1/10W | |
| R412 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R413 | AC02-081-682 | C RESISTOR | 6.8KΩ 1/10W | |
| R451 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R452 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R453 | AC02-081-222 | C RESISTOR | 2.2KΩ 1/10W | |
| R454 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R455 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R456 | AC02-081-333 | C RESISTOR | 33KΩ 1/10W | |
| R457 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R458 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R459 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R460 | AC02-081-101 | C RESISTOR | 100Ω 1/10W | |
| R461 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R462 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R463 | AC02-081-681 | C RESISTOR | 680Ω 1/10W | |
| R464 | AC02-081-221 | C RESISTOR | 220Ω 1/10W | |
| R465 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R466 | AC02-083-221 | C RESISTOR | 220Ω 1/4W | |
| R467 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R468 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R469 | A142-5470-R10 | RESISTOR | 0.1Ωk+0.1ΩkS/ L3.5 | |
| R470 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R471 | AC02-081-473 | C RESISTOR | 47KΩ 1/10W | |
| R472 | AC02-083-2R2 | C RESISTOR | 2.2Ω 1/4W | |
| R475 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R476 | AC02-081-152 | C RESISTOR | 1.5KΩ 1/10W | |
| R477 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R801 | AC02-083-102 | C RESISTOR | 1KΩ 1/4W | |
| R802 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| R803 | AC02-083-102 | C RESISTOR | 1KΩ 1/4W | |
| R804 | AC02-083-102 | C RESISTOR | 1KΩ 1/4W | |
| R805 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| R806 | AC02-081-475 | C RESISTOR | 4.7MΩ 1/10W | |
| R807 | AC02-081-473 | C RESISTOR | 47KΩ 1/10W | |
| R808 | AC02-081-823 | C RESISTOR | 82KΩ 1/10W | |
| R809 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R810 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R811 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R814 | AC02-083-332 | C RESISTOR | 3.3KΩ 1/4W | |
| R815 | AC02-083-332 | C RESISTOR | 3.3KΩ 1/4W | |
| R816 | AC02-081-475 | C RESISTOR | 4.7MΩ 1/10W | |
| R817 | AC02-081-475 | C RESISTOR | 4.7MΩ 1/10W | |
| R818 | AC02-081-475 | C RESISTOR | 4.7MΩ 1/10W | |
| R901 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R902 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R903 | AC02-081-473 | C RESISTOR | 47KΩ 1/10W | |
| R904 | AC02-081-221 | C RESISTOR | 220Ω 1/10W | |
| R905 | AC02-081-471 | C RESISTOR | 470Ω 1/10W | |
| R906 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R907 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R908 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R909 | AC02-081-471 | C RESISTOR | 470Ω 1/10W | |
| R910 | AC02-081-682 | C RESISTOR | 6.8KΩ 1/10W | |
| R911 | AC02-081-223 | C RESISTOR | 22KΩ 1/10W | |
| R912 | AC02-081-104 | C RESISTOR | 100KΩ 1/10W | |
| R913 | AC02-081-472 | C RESISTOR | 4.7KΩ 1/10W | |
| R914 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| R915 | AC02-081-271 | C RESISTOR | 270Ω 1/10W | |

| ⚠ Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R916 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R917 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R918 | AC02-081-103 | C RESISTOR | 10KΩ 1/10W | |
| R919 | AC02-083-103 | C RESISTOR | 10KΩ 1/4W | |
| R920 | AC02-083-471 | C RESISTOR | 470Ω 1/4W | |
| R921 | AC02-083-471 | C RESISTOR | 470Ω 1/4W | |
| R922 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R923 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R924 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R925 | AC02-081-102 | C RESISTOR | 1KΩ 1/10W | |
| R926 | AC02-083-220 | C RESISTOR | 22Ω 1/4W | |
| R927 | AC02-083-220 | C RESISTOR | 22Ω 1/4W | |
| R928 | AC02-081-2R2 | C RESISTOR | 2.2Ω 1/10W | |
| R929 | AC02-081-2R2 | C RESISTOR | 2.2Ω 1/10W | |
| R930 | AC02-081-2R2 | C RESISTOR | 2.2Ω 1/10W | |
| R931 | AC02-081-2R2 | C RESISTOR | 2.2Ω 1/10W | |
| R932 | AC02-083-100 | C RESISTOR | 10Ω 1/4W | |
| R933 | AC02-083-100 | C RESISTOR | 10Ω 1/4W | |
| R934 | AC02-083-222 | C RESISTOR | 2.2KΩ 1/4W | |
| VR801 | A142-5461-001 | VOLUME | 14T 5461 10K C x2 | |
| VR802 | A142-5461-001 | VOLUME | 14T 5461 10K C x2 | |
| L801 | A118-5259-002 | COIL | BL01RN1A2A2B | |
| L901 | A118-5423-001 | COIL | CHOKE EI-28 | |
| T901 | A118-5415-001 | TRANS | DC/DC 6:13 | |
| CN901 | A321-5529-002 | JACK | 4P | |
| CN902 | A121-5461-008 | CONNECTOR | 5569-08A1 | |
| CN903 | A321-5532-001 | TERMINAL | 4P | |
| CN904 | A321-5531-001 | TERMINAL | 3P | |
| CN905 | A321-5532-001 | TERMINAL | 4P | |
| JR1 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR2 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR3 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR4 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR5 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR6 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR7 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR8 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR9 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR10 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR11 | AC01-015-000 | C RESISTOR | 0Ω | |
| JR12 | AC01-015-000 | C RESISTOR | 0Ω | |
| JR13 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR15 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR16 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR17 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR18 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR19 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR20 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR21 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR22 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR23 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR24 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR25 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR27 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR28 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR29 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR30 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR31 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR32 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR33 | AC01-017-000 | C RESISTOR | 0Ω | |
| JR34 | AC01-015-000 | C RESISTOR | 0Ω | |
| LED901 | L-489EGW | LED | A148-5559-001 | |
| SW801 | A151-5181-001 | SWITCH | SSAA22-4 | |
| SW802 | A151-5181-001 | SWITCH | SSAA22-4 | |
| TH901 | AC04-219-223 | THERMISTOR | NCP18XW223K03 RB | |
| TH902 | AC04-219-223 | THERMISTOR | NCP18XW223K03 RB | |
| TH903 | AC04-219-223 | THERMISTOR | NCP18XW223K03 RB | |
| XXXXX | AC06-356-301 | AMP PWB | | |

# Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDs are available.



# Packing and Accessories

Block No. [M][3][M][M]

| ⚠ | Symbol No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | A 1 | A193-5592-001-0 | INST BOOK | LVT1329-001A ENG FRE | |
| | A 2 | A193-5592-002-0 | INST BOOK | LVT1329-002A GER SPA | E,J |
| | A 3 | A193-5592-003-0 | INST BOOK | LVT1329-003A ITA DUT | E |
| | A 4 | A193-5592-004-0 | INST BOOK | LVT1329-004A SWE RUS | E |
| | A 5 | A193-5592-005-0 | INST BOOK | LVT1329-005A CHI(TAIWAN) THA | U |
| | A 6 | A193-5592-006-0 | INST BOOK | LVT1329-006A ARA PER | U |
| | A 7 | ---------- | WARRANTY CARD | BT-51080-4 | J |
| | A 8 | ---------- | WARRANTY CARD | BT-52006-2 | J |
| | A 9 | ---------- | WARRANTY CARD | BT-54023-1 | E |
| | A 10 | ---------- | WARRANTY CARD LABEL | | E |
| | A 11 | A193-5596-001-0 | REGIST CARD | BT-51034-2 | J |
| | A 12 | A128-5217-001-0 | SCREW | (x4) | |
| | A 13 | A160-6912-001 | SP-IN CODE | 8P CN902 | |
| | P 1 | A250-6774-001-B | CARTON | | |
| | P 2 | A150-6779-001-0 | POLY BAG | | |
| | P 3 | A150-6778-001-0 | POLY BAG | | |
| | P 4 | A150-5666-005-0 | POLY BAG | | |
| | P 5 | A150-5666-001-0 | POLY BAG | | |
| | P 6 | A250-6776-001-0 | PACKING TRAY A | (x2) | |
| | P 7 | A250-6776-002-0 | PACKING TRAY B | (x2) | |