



AIWA CO., LTD

UTSUNOMIYA FACTORY

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SERVICE TECHNICAL INFORMATION

ONE POINT REPAIR

UTSUNOMIYA, OCT. 5, 1998

REF. NO.: SI-98-024

CUSTOMER RELATIONS & SERVICE DIV.

Revised

MODEL : NSX-A303 and A304

SUBJECT : Power failure

CONTENTS : The models in question may suffer from faults that the system is not powered or that no sound is heard due to failure of power transistors.

Four types of power amplifier units which use different elements are supplied in the product line. The following actions in the list must be taken on all of the "No.1" repair parts, and faulty ones of "No.2" repair parts. (Units of "No.3" and "No.4" must be repaired together with the current products.)

NOTE : NSX-A303/A304 Repair Parts List

No.	Identification method	Difference	Repairing method	Remarks
1	No "A" mark label on rear panel. Serial number: Until production of Jun, 1998 — S***86*****	Original products. Products with no actions taken	Change all power transistors. 2SD2242 → 2SD2025 2SB1481 → 2SB1344	Put "A" mark label on all modified parts: Red "A" letter on white.  87-B00-013-010
2	With an "A" mark label on rear panel: White "A" letter on red. 	Relay circuit is added.	Change power transistors only when power amplifier is faulty. 2SD2241 → 2SD2025 2SB1481 → 2SB1344	Put an "A" mark label only after power transistors are changed: Red "A" letter on white.  87-B00-013-010
3	Serial number: Production of July, 1998 S***87*****	Change power transistors and specified values of parts in circuit. Q211, Q212 2SD2241 → 2SD2478 Q213, Q214 2SB2481 → 2SB1616 R219, R220, R221, R222 → 1.5 kΩ R271, R272 → 39 Ω Q211B to Q213B → Add 1kΩ Q212B to Q214B → Add 1kΩ		Do not use 2SD2025 and 2SB1344
4	With an "A" mark label on rear panel: White "A" letter on red.  Serial number: Production of August, 1998 and onward. S***88*****	Change power transistors only. Q211, Q212 2SD2241 → 2SD2025 Q213, Q214 2SB1481 → 2SB1344		Use only 2SD2025 and 2SB1344.