

2-1 NISSHIN-CHO,NEYAGAWA-SHI,OSAKA 572-8540,JAPAN  
Technical Information Group, Service Dept.

# ONKYO.

## SERVICE BULLETIN NO:00007

MANAGER  
Akira Mori  
2000/07/06

GL  
Seiji Ichikami  
2000/07/04

DESIGN  
Masaoki Yokochi  
2000/07/04

**MODELS : TX-DS989**

**SUBJECT : The sound of fan is large.**

**Symptom:** The rotation sound of the fan is large.

**Counter-measure:** The drive voltage of the fan is decreased from 13V to 10V so that the operation sound when rotating is decreased.

**Procedure for service:** Refer to the attached sheet.

**Application:** TX-DS989 UP/UPT/UDT/UGT/UPA 3251-  
TX-DS989 UD 2401-  
TX-DS989 UJ 301-

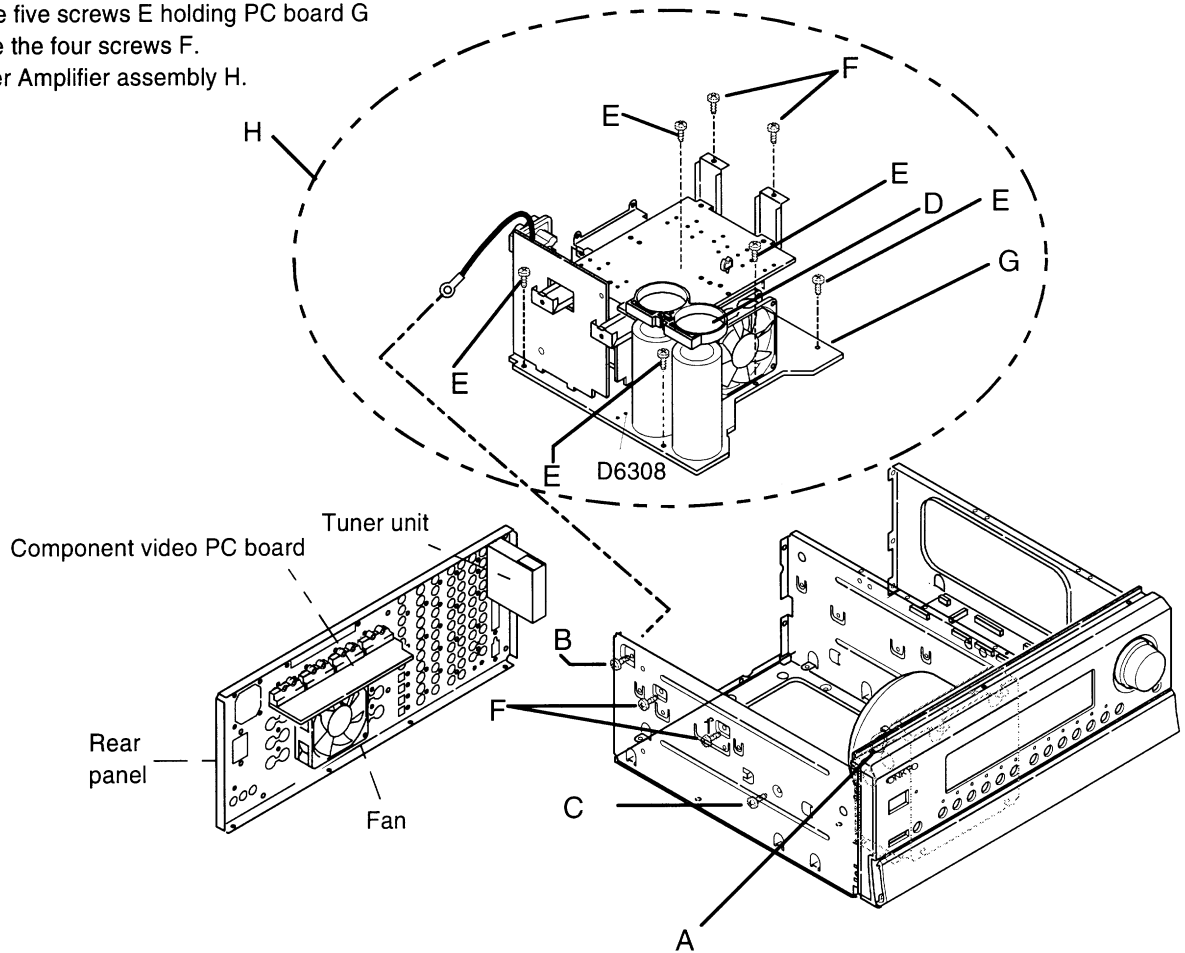
**Marking:** The mark B is stamped at the end of serial number.  
**Revised:**

# Service procedures

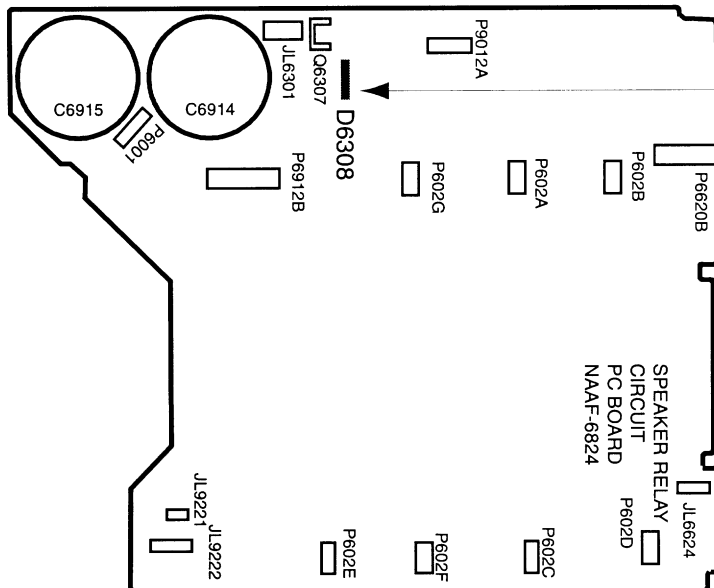
Disassembling: 1, 2, 3, 4, 5, 6

Assembling: 6, 5, 4, 3, 2, 1

1. Remove the top cover.
2. Remove the screws holding PC boards except the fan, the component video PC board, and the tuner unit on the rear panel.
3. Cut the binder A of the left side on the bracket PT.
4. Remove a screw B.
5. Remove a screw C holding the holder D and remove it.
6. Remove the five screws E holding PC board G and remove the four screws F. Lift up Power Amplifier assembly H.



Replace the zener diode D6308 to MTZJ10C on the PC board below.



Change the zener diode to MTZJ10C.  
(Part No.224471003)