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|--|--|---|-----------------------|
| marantz® SERVICE BULLETIN | | Date: 28-Aug-2004 | Model: SR5400, SR6400 |
| | | Page: 1 / 2 | REF.NBR: MZ04-061 |
| Level | | Application: | |
| ★ ★ | | MZ00xxxxxxxxxx | |
| | | Subject: 1. Noise from Surround L/R Speaker. 2. The Sound is MUTE by operation of HDD Recorder. 3. The output level changes. | |
| | | Int.ref: | |

[PHENOMENON]

1. Noise from Surround L/R Speaker.

- 1) Turn on the unit after 5-second or more standby state.
- 2) After the relay of the speaker turns on and 2 seconds or more pass.
- 3) PCM input of CD, Noise can be heard from Surround L/R speakers just before Playback CD.
(Only when other speakers are lengthened on the basis of Surround L/R by setup of "SPEAKERDISTANCE", phenomenon occurs.)

2. The Sound is MUTE by operation of HDD Recorder.

- 1) When connect SR5400 / SR6400 to Panasonic or Toshiba HDD Recorder by Digital connection, then operation by HDD Recorder. The Sound is Mute

"Reproducibility "

-Connection with Panasonic model:

HDD Recorder returns to built-in Tuner after operating reservation screen, phenomenon will occur.

-Connection with Toshiba model:

Playback Dolby Format recorded on the hard disk, then changes to PCM playback of built-in tuner, phenomenon will occur.

3. The output level changes.

- 1) When SUBWOOFER is chosen as NONE by SPAKER SETUP and Press the **6.1 CH INPUT** button during S-Direct operation, output level will change.

[REASONS]

Fault of DSP CODE and the signal detection method

[SOLUTION]

The software was fixed.

1. Replace the microprocessor **IC28** on the **DSP PCB**. Version to [**V040412 1**]
2. Replace the DSP **IC20** on the **DSP PCB**. DSP Code ID to [**CD02 02010116**]
Please see to the service manual page 60 about details of "10. SERVICE MODE".

[NECESSARY PART]

- 1. POS. No. IC28** **Part no. 90M-HS27AWH2R** **(HVIHD64F2398F20 programmed flash ROM)**
[OLD part no. * HS27AWH0R]
- 2. POS. No. IC20** **Part no. 90M-HS27AWX2R** **(HVIMX29LV400TTC programmed flash ROM)**
[OLD part no. * HS27AWX0R]

[REMARKS]

This improvement has been done in the production the service code **MZ02** and after.

Approved by **S.NAGAO**

Written by

10. SERVICE MODE

Microprocessor (IC28), DSP(IC20) Version and FLD Segment Check Mode.

1. While the power is on, ATT, TAPE and SELECT buttons simultaneously more than 3 seconds.
The FL display shows "SERVICE MODE" for 2 seconds then shows the modal name.

S E R V I C E M O D E

S R 5 4 0 0

2. Press DISPLAY button, The software version of the microprocessor (IC28) is displayed in the format below.

V 0 3 0 5 1 0 1 U

(Year) (Month) (Date) (Dest.) (Dest. Destination)

3. Press DISPLAY button again, The software Type Number is displayed.

S O F T T Y P E X X

(XX is displayed in Hex)

4. Press DISPLAY button again, The Code Group Type Number is displayed.

C O D E T Y P E X X X X

(XXXX is displayed in Hex)

5. Press DISPLAY button again, The left half, right half and center of the label area in the FLD light on and off each other.

6. Press DISPLAY button again, The segments of the character area in the FLD flick in checker pattern.

7. Press DISPLAY button again, All the FL segments turns off.

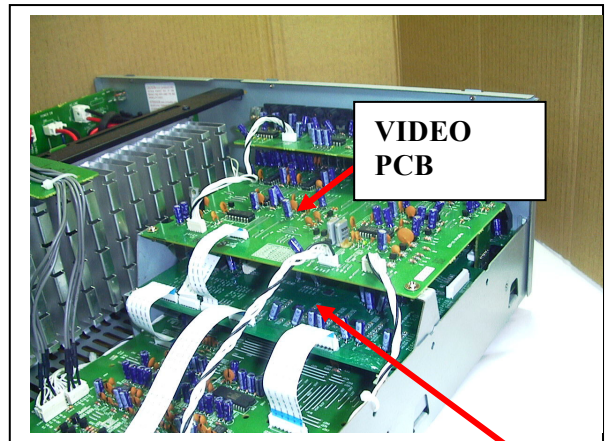
8. Press DISPLAY button again. Every time DISPLAY button is pressed, DSP code is indicated in turn from NO.1 to NO.10.

C D 0 1 0 1 0 2 0 1 0 1

(No.) (Dev.) (SIG) (TYP) (Ver.)

No.:CODE No. Dev.:Device ID SIG:CODE SIG ID
TYP:CODE TYP ID Ver.:Version

9. Press DISPLAY button again to quit this mode.



VIDEO PCB

DSP PCB

V 0 4 0 4 1 2 1

| | | | |
|---------------|---------------|---------------|---------------|
| CD01 02060104 | CD02 02010116 | CD03 02060206 | CD04 02040113 |
| CD05 02030306 | CD06 02030114 | CD07 02030211 | CD08 02020206 |
| CD09 02050211 | CD0A 0205030A | CD0B 0205040D | CD0C 02050510 |
| CD0D 02050110 | CD0E 02050603 | CD0F 00000000 | CD10 00000000 |
| CD11 00000000 | CD12 00000000 | CD13 00000000 | CD14 00000000 |

