D&M
D&M Holdings Inc.
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marantz®

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Model: SA8003

Subject: Remote Control Performance Improvement

Symptom: When the unit receives remote control codes (from another model) during standby and the AC power supply voltage is reduced for 6% or more, the LED gets dim and the relay may turn on and off one time.

Cause: When the microprocessor receives remote control codes during standby, it shifts from Low Speed mode to High Speed mode and starts analyzing remote control codes. The analysis takes approximately one second only, but while this is happening, the voltage of the standby power supply is gradually reduced until the voltage of the microprocessor power supply falls below that of the reset power supply, and thereby the reset is activated. This phenomenon occurs when the voltage is reduced for 6% or more.
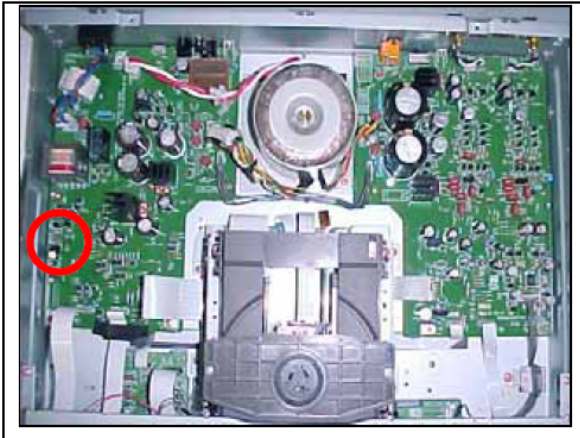
Solution: The input of the microprocessor regulator has a built-in circuit that lowers the voltage during standby. The fixed voltage number of this circuit should be changed to be capable of guaranteeing normal function at the 15% reduced voltage.

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The 1.5K Ohm resistor of POS NO. RH10 (PP16 POWER PWB) is to be replaced with 820 Ohm.

1.5K Ohm to be replaced with 820 Ohm

Parts:

Ref #	FORMER		NEW	
	Description	Part Number	Description	Part Number
RH10	1.5K OHM	00D2412398997	820 OHM	00MGD05821160

Serial Number Range:

Applies to xxxx0852xxxxxx and earlier.

Note: This improvement has already been done in production from serial number xxxx0901xxxxxx and later.