



Service Bulletin

No. : MZ04-080 Rev.

Date: December 5, 2006

Model: SA8260, SA17S1

Subject: Can not playback hybrid Super Audio CD's.

Symptom: 1. Can not playback Super Audio CD (low reflection DISC), "ERROR" is indicated on the display of the Unit. 2. Can not read TOC with low reflection DISC. The unit stops during playback Super Audio CD.

Solution:

In order to keep HF level to about 2mA to 5mA the laser current is increased.

1. CHIP RESISTOR (330 OHM) is added to Laser pickup PCB.
2. Add the CHIP RESISTOR (0 OHM) to Laser pickup PCB and adjust the trimming potentiometer for the proper HF level.

Please see the Service manual page 4.

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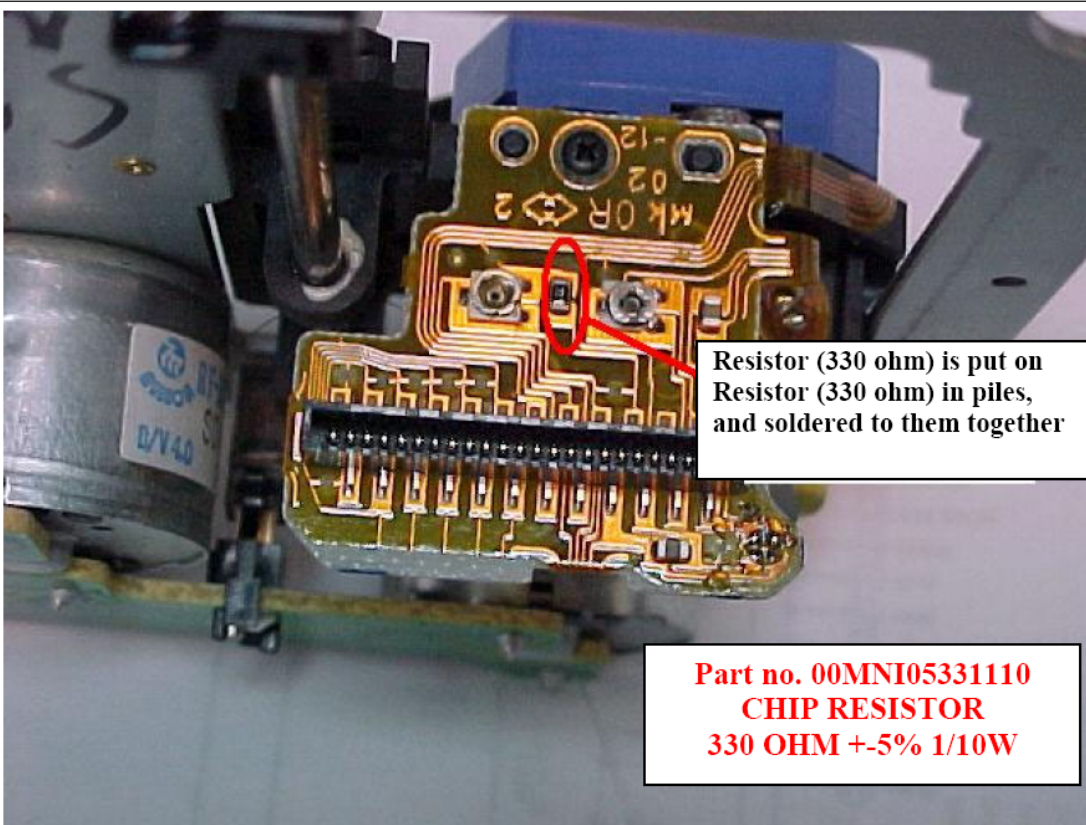
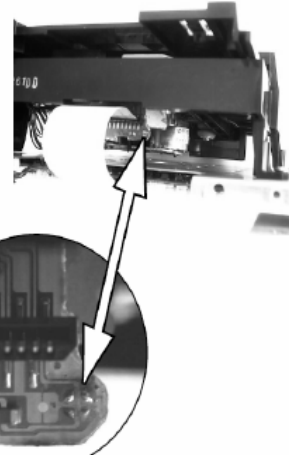
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4. CAUTION Optical pick up and Servo Board

When removing the flat wire between Optical pick up and Servo Board (PV16),
Solder the four lands pointed by arrows to short the circuit.
Otherwise the LASER DIODE may be damaged by static electricity.

al pick up and Servo Board

Wire between Optical pick up and Servo Board (PV16),
indicated by arrows to short the circuit.
DIODE may be damaged by static electricity.

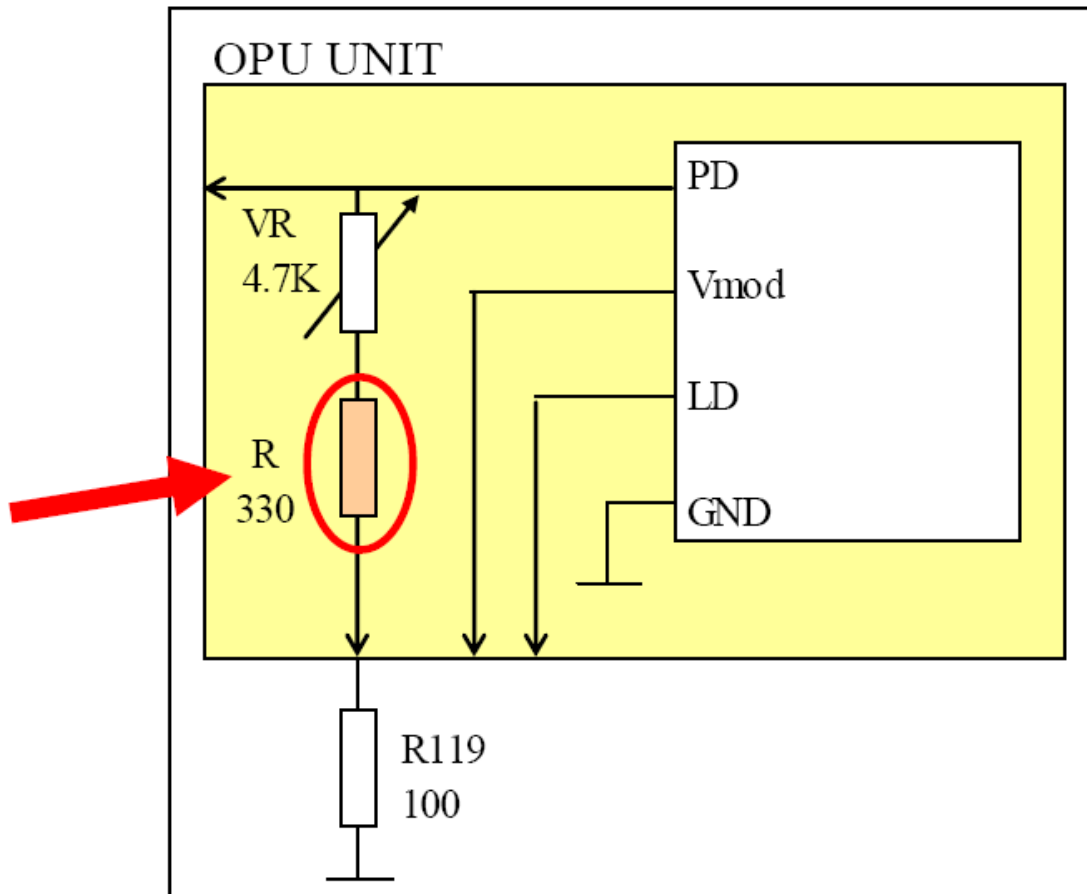


Resistor (330 ohm) is put on
Resistor (330 ohm) in piles,
and soldered to them together

Part no. 00MNI05331110
CHIP RESISTOR
330 OHM +5% 1/10W

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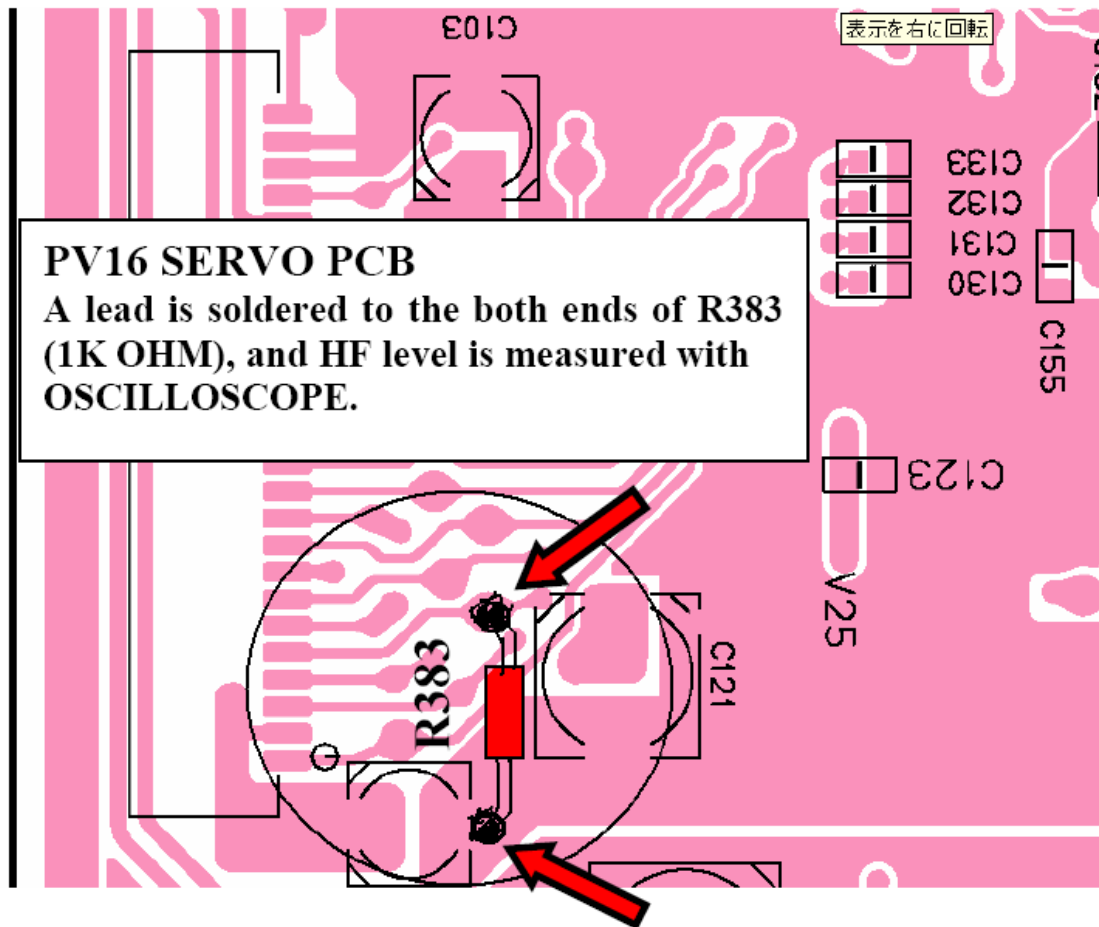
SACD-HF OUTPUT ADJUSTMENT PROCEDURE

1. First, HF level of SACD (low reflection DISC) is checked with an OSCILLOSCOPE. The HF level across R383 (1Kohm) of the following figure (see below). The playable range is 330mV or more.
2. When HF level is **less than 330mV**, Change R330 (330 OHM) to 0 OHM.
3. Even if R330 changes to 0 OHM, **When the HF level falls outside allowable range, the trimming potentiometer needs to be adjusted.** (Caution: A problem may occur with a high reflection DISC if the HF level is raised too much.)
4. Playback SACD (low reflection DISC) and the voltage of the both ends of R112 or R113 is measured. Check the measurement voltage it should be 544mV or less. **When the measured voltage is over 544mV, replacment of the PICK UP UNIT is required.**

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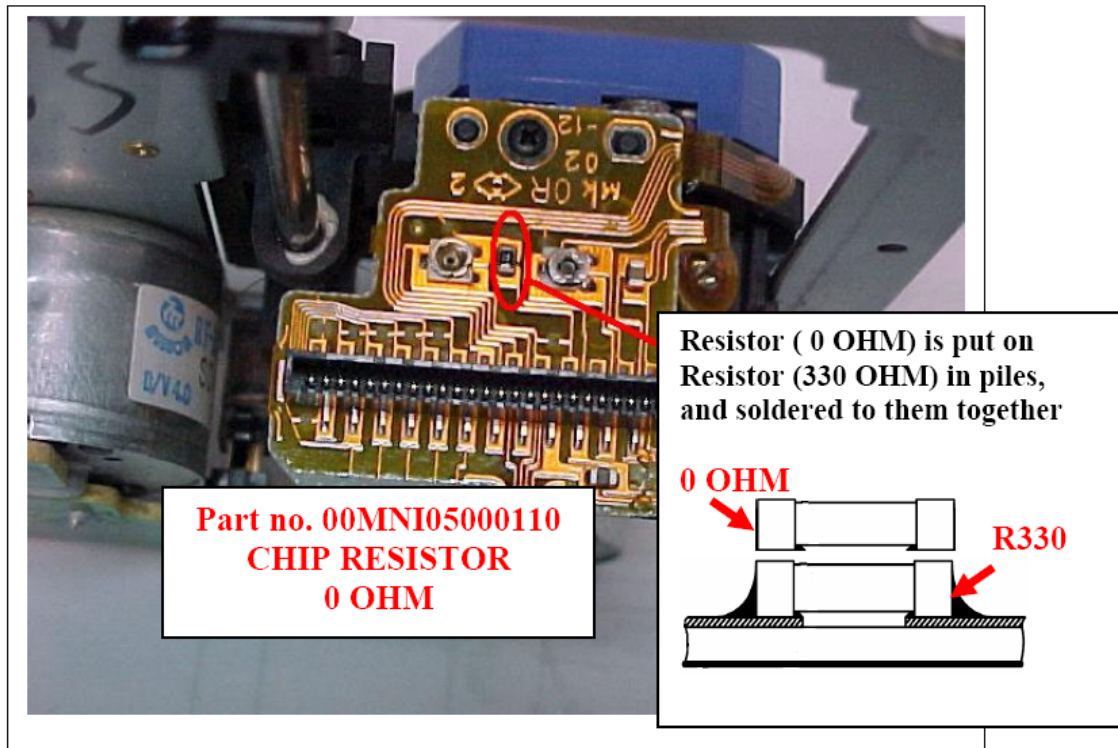
1. First, Check the HF level of SACD (low reflection DISC) with OSCILLOSCOPE.



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2. When HF level is less than 330mV, Change the R330 (330 OHM) to 0 OHM.



3. Even if R330 is changed to 0 OHM, **When the HF level falls outside allowable range, the trimming potentiometer needs to be adjusted.**

3-1) First, turn OFF the Unit, adjust the variable resistor by rotating it by eye measurement

3-2) First, the resistance of the both ends of trimming potentiometer is measured.

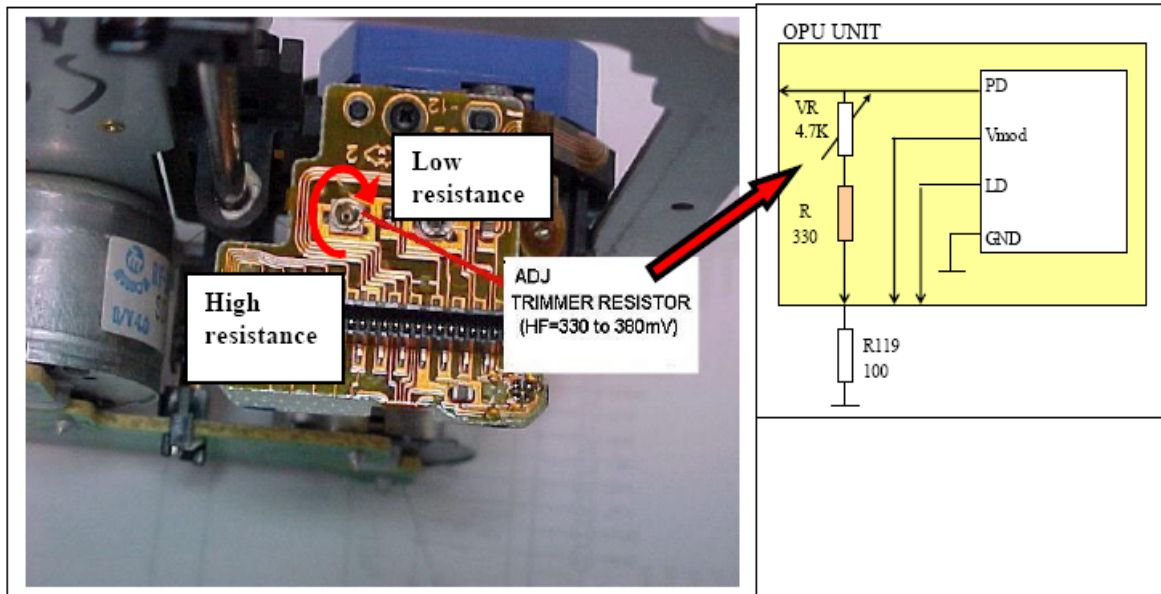
3-3) Then, resistance is made to increase from measured value by about 10% to 20%.

3-4) Set the HF level to 330mV to 380mV.

Be careful! The trimming potentiometer adjustment is very critical.

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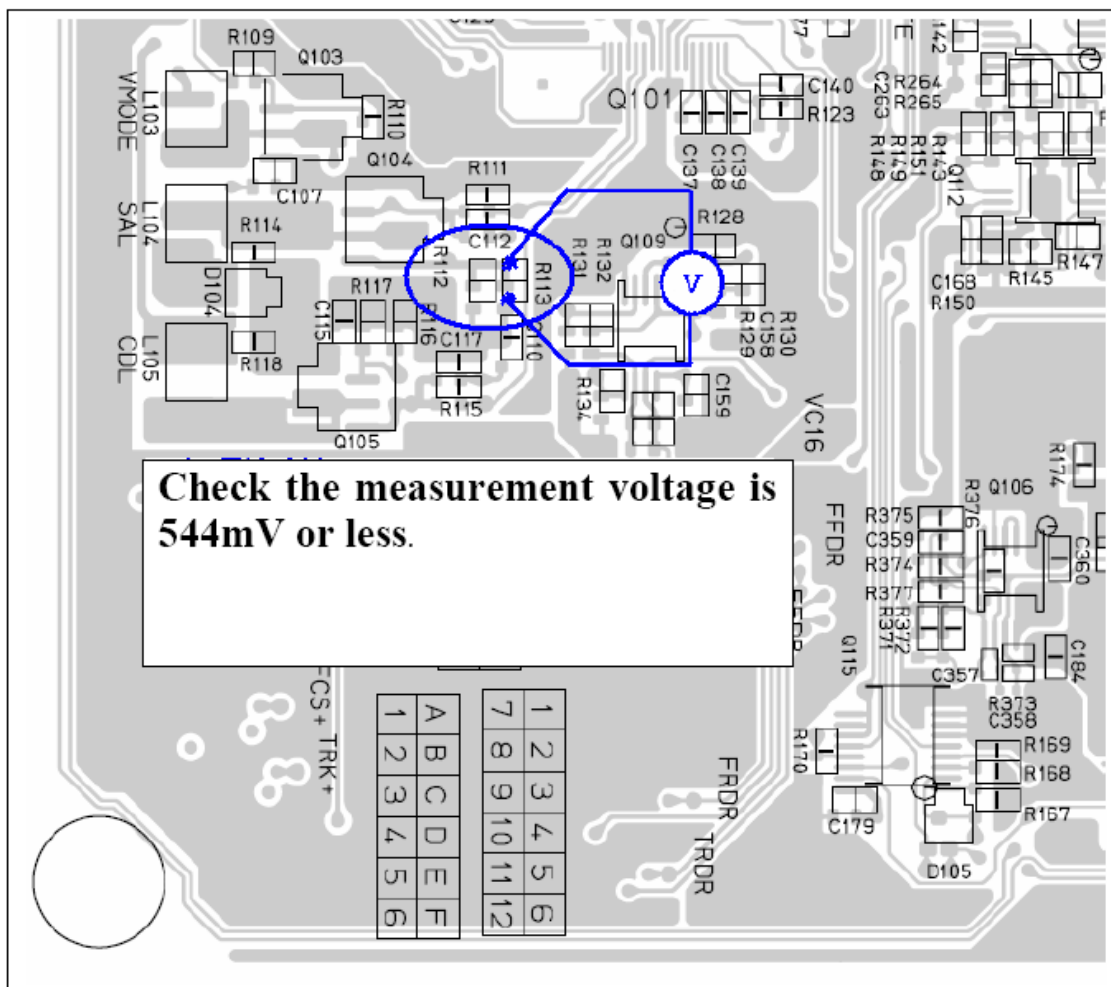


4. Playback SACD (low reflection DISC) and the voltage of the both ends of R112 or R113 is measured. Check the measurement voltage should be **544mV or less**. (see picture below)

When measurement voltage is over 544mV, replacing of PICK UP UNIT is required for safety.

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Parts:

Ref#	Description	Part Number
NA	CHIP RESISTOR 330 OHM +-5% 1/10W	00MNI05331110
NA	CHIP RESISTOR 0 OHM	00MNI05000110
010M	PICK UP UNIT	01AK304020

Serial Number Range:

The countermeasure's listed apply for this type of claim only.

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