

D&M
D&M Holdings Inc.
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marantz®

Service Bulletin

No. : MZ08-043

Date: September 4, 2008

Model: PM5003

Subject: The protection operation cannot be deactivated.

Symptom: The protection operation cannot be deactivated by the Power Switch being turned OFF/ON. If a problem is detected while the AMP is in operation, the STANDBY LED starts flickering and the operation is ceased. If the problem is no longer detected, the protection operation can be normally deactivated by turning the power OFF and then ON. However, in this case, the STANDBY LED cannot be stopped from flickering, depending on the timing of the power switch being turned OFF/ON.

Solution: As a remedy for this phenomenon, either of the following two measures can be taken. Please check the situation and determine which to take.

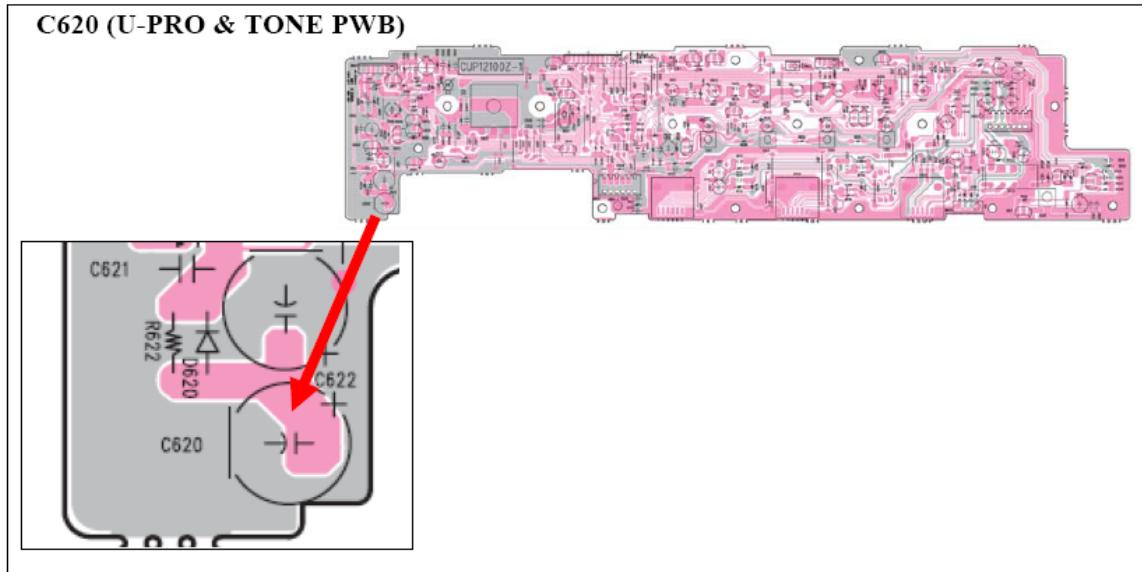
<Measure 1: Clear the protection operation procedure programmed in the RAM>

- Clear the protection operation procedure in the RAM by shorting the backup capacitor C620. After deactivating the protection operation, ensure that none of "DC Offset", "DC Balance" and "Over current" (Speaker Short-out) is detected.
- If no abnormality is found with the amp, the protection operation may have been activated by over current caused by a shot-out of the speaker cable. Before returning the repaired unit, please be sure to check how it was used to a customer.

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- The backup capacitor is capable of storing data in the RAM for up to one week. If the unit comes in for repairs more than one week after the phenomenon has occurred, please understand that no pertinent data may be available for the phenomenon.

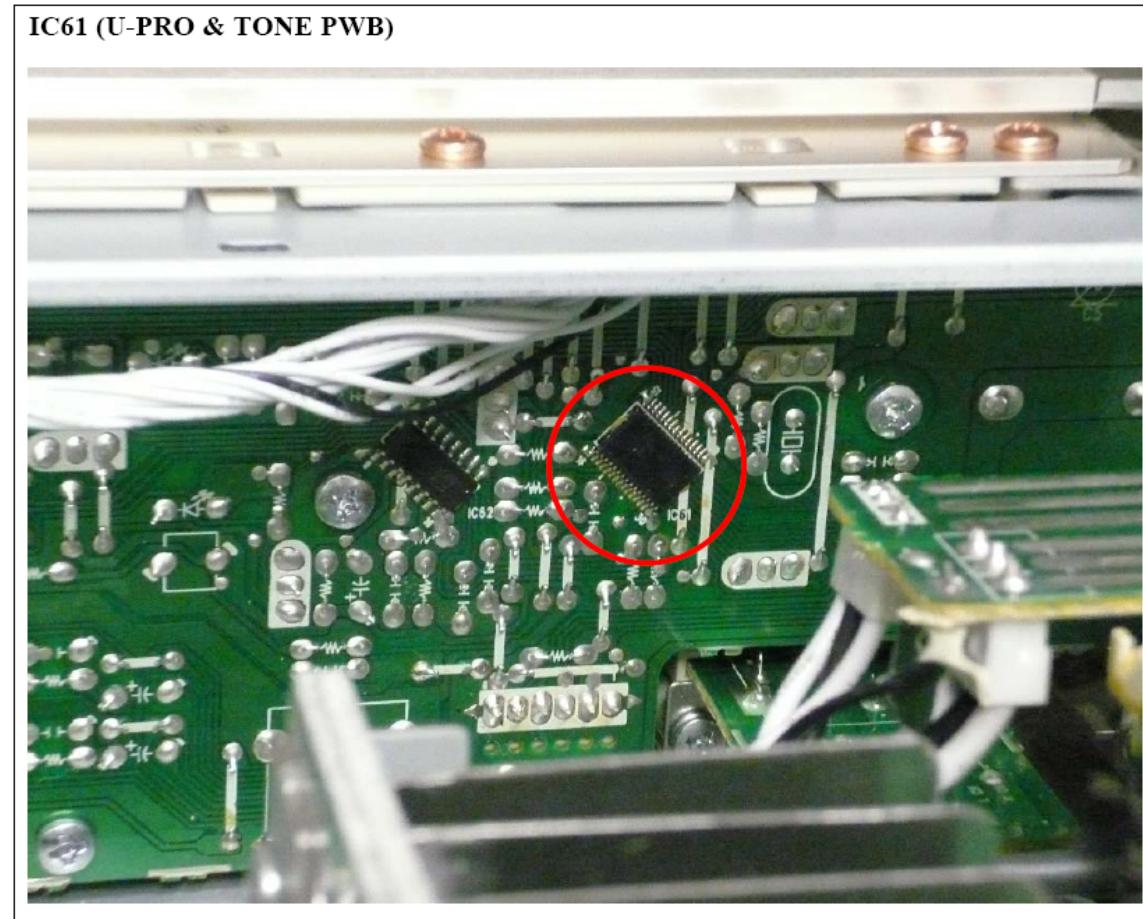


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<Measure 2: Replace the microprocessor with the updated one>

Change the U-PRO & TONE PWB "POS.NO. IC61" from 943243004080M to 943243004510M. The version label will be changed from 3 to 4. 943243004510M has a version 4 microprocessor designation.



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3. SERVICE MODE

Microprocessor (IC61) version check

Operate by using the supplied Remote controller (RC003PM).

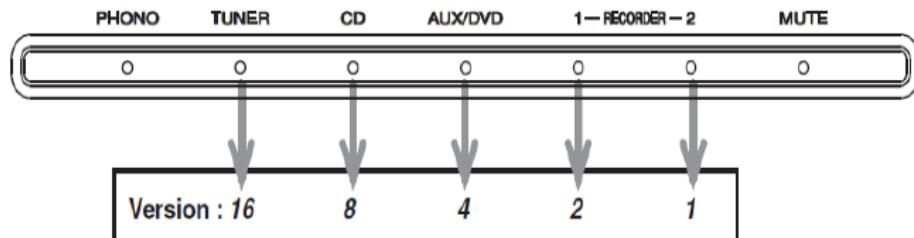
1. Press the POWER button to turn on the unit.
2. Press TAPE (RECODER 2) button and press 5, 0, 0, 3 button on the remote controller.
(Please each button within 5 seconds)
3. The firmware version is displayed on the front LED.
(Display time is only for 3 seconds.)

3. SERVICE MODE

Microprocessor (IC61) VERSION 確認

操作は付属リモコン(RC003PM)を使用します。

1. POWER ボタンを押し、本体の電源をいれます。
2. リモコンのTAPE (RECODER 2), 5, 0, 0, 3 ボタンを順に押します。
(各ボタンは5秒以内に押してください)
3. FIRMWARE のバージョンがLEDにて表示されます。
(表示は3秒間のみです)



The firmware version is displayed in the lighting position of LED.

Ex. :

Light up RECODER-2 [1], Version : 1
Light up RECODER-2 [1] and AUX/DVD [4], Version : 5
Light up RECODER-2 [1] and CD [8], Version : 9

4. Each LED light up then all LED light up.
5. Turn off the power to quit Service Mode.
(The unit to the default status)

LEDが点灯している箇所がバージョン表示です。

表示例 :

点灯RECODER 2 [1], Version : 1
点灯RECODER 2 [1] and AUX/DVD [4], Version : 5
点灯RECODER 2 [1] and CD [8], Version : 9

4. フロントパネルのLEDが順次点灯し、その後全点灯します。
5. 電源を切るとSERVICEモードが解除されます。
(本機は、各種設定された内容が初期化され、工場出荷時の状態に戻ります)

Parts:

Ref #	FORMER		NEW	
	Description	Part Number	Description	Part Number
IC61	Microprocessor	943243004080M	Microprocessor	943243004510M

Serial Number Range:

Applicable range: up to and including MZ000833000400

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