



## **Service Bulletin**

**No. :** MZ05-013

**Date:** January 9, 2007

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**Model:** SM6100

**Subject:** Transistor upgrade.

**Symptom:** Approximately 9mA current flows to transistor (from Q715 to Q718), and there is not enough margin in Pc (collector loss). Therefore, there is some possibility of a transistor failure through temperature rise.

**Solution:** Replace Q703, Q704, Q705, Q706, Q715, Q716, Q717 and Q718 on the P101-MAIN CIRCUIT BOARD with the improved transistors.

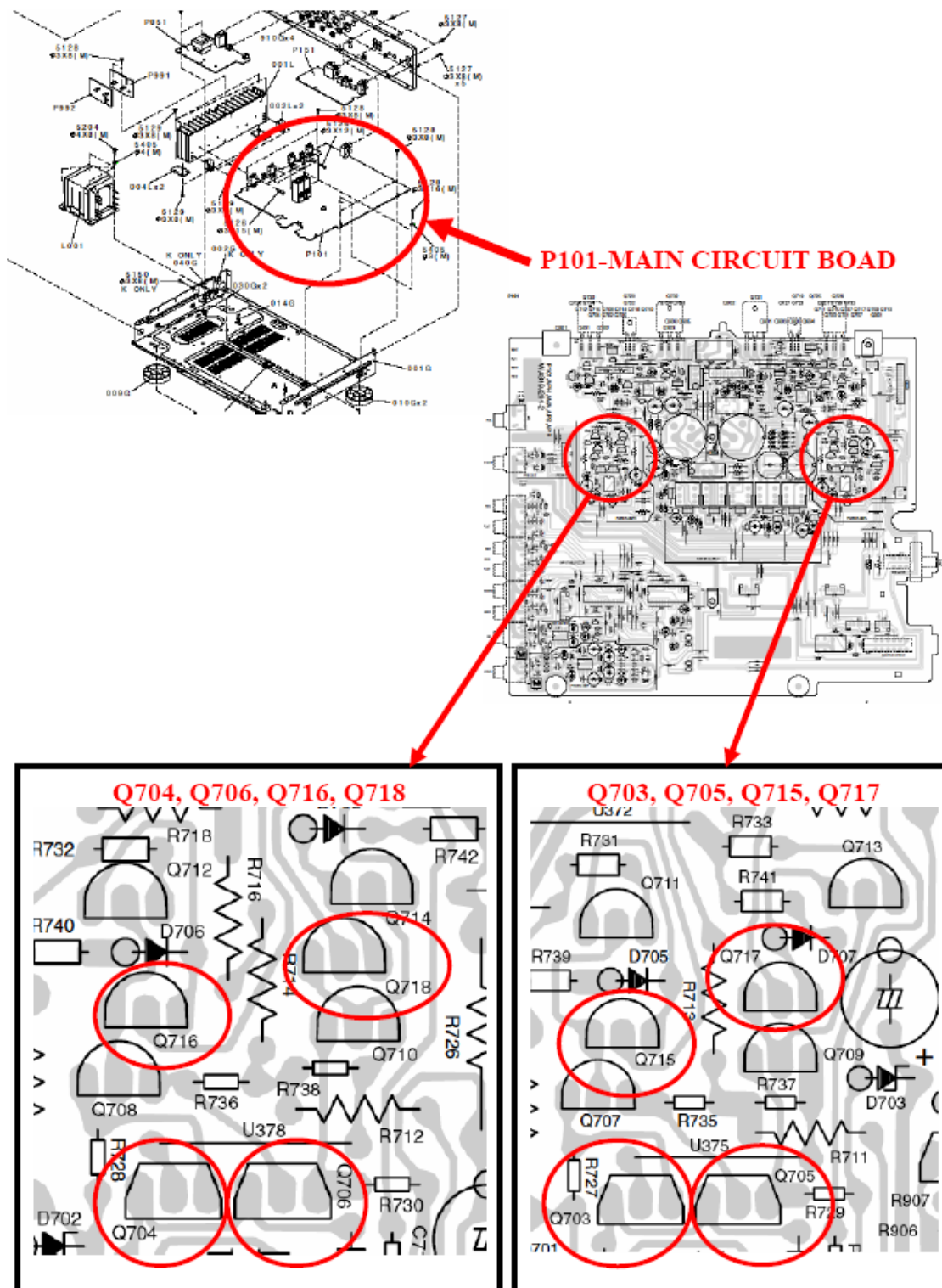
### **Parts:**

Ref #	FORMER		NEW	
	Description	Part Number	Description	Part Number
Q703 Q704	2SA1048 Y OR GR	HT110482B0	KTA1268	00MHT600121A0
Q705 Q706	2SC2458 Y OR GR	HT324582B0	KTC3200	00MHT800931A0
Q715 Q716	2SA970 GR OR BL	HT109702A0	2SA1145	00MHT111452A0
Q717 Q718	2SC2240 GR OR BL	HT322402A0	2SC2705	00MHT327052A0

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**Serial Number Range:**

This problem applies to the following serial number range.

SM6100 (SM6100SA) applies to MZxx04xxxxxxx ( 20xx04xxxxxxx ) and earlier.

This improvement has been done in production from serial number 20xx05xxxxxxx and after.

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