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SERVICE TECHNICAL INFORMATION

ONE POINT REPAIR

UTSUNOMIYA, JUNE 15, 1996
REF. NO. : SI-96-011
CUSTOMER RELATIONS & SERVICE DIV.

MODEL : AM-F3
SUBJECT : Occasional dropout (microcomputer upgrade)
CONTENTS : Occasional dropout occurs (during play / record). Perform the following remedy for the relevant sets. Confirmation is very difficult because the symptom occurs in aluminum discs that can only play and in MO discs that play and record. For this reason, always perform this remedy when the customer indicates such a problem, even if the symptom does not occur.
REMEDY : Replace Ref: IC400 with the new microcomputer (CXP81840-503). (Presently, 3 types of microcomputers are installed.)

Previous Microcomputer		New Microcomputer	
Part No.	Model No.	Part No.	Model No.
85-HM1-601-010	CXP81840-115	85-HM1-601-210	CXP81840-503
85-HM1-601-110	CXP81840-502		



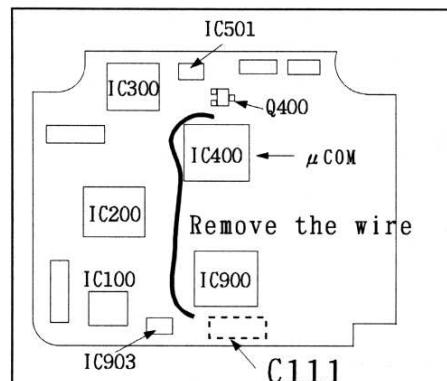
The new microcomputer has improved servo operations during play / record, as well as improvement in U-TOC access and writing. Therefore, performance should be improved after making this repair. SPC will now only stock the new microcomputer (the previous microcomputer is no longer kept in stock). When replacing the microcomputer, be aware of the points mentioned below.

Notes:

① The previous microcomputer and the new type have upper compatibility. However, their circuit configurations are different and so the circuit modification shown below must be performed.

1. Remove one wire from the sets with CXP-81840-115.
(See figure on the right.)
2. Replace C111 0.1 μ F with resistor 1K Ω
(C111 is on the bottom side of the board. Check with S/M for the positioning of the parts.)
[Part No.: Resistor 1K Ω 88-108-102-080]
3. For improved servo operations and to achieve compatibility,
always perform the steps outlined in **Service Technical Information** "SI-96-006" after replacing the microcomputer.

② The new type CXP-81840-503 has been in stock for the 5/96 production lot. There are also some sets produced before 5/96 in which these modifications were made at the factory before shipping. For these sets, a blue dot [•] has been added after the model number or unit serial number printed on the outer packaging.



Parts position