aiwa

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SERVICE TECHNICAL INFORMATION

ONE POINT REPAIR

MODELS   :   AM-F5

SUBJECT   :   Notes on ordering microcomputers .

DESCRIPTION :   Version-2 microcomputers (CXP81840-511R) have been used on products manufactured since February 1998.   Although the version-2 microcomputer is compatible with the version-1 microcomputer (CXP81840-510R) in terms of programming, it is not fully circuit-compatible with the version 1.   Therefore, a faulty microcomputer and a replacing new microcomputer must have the identical part description on the component   CXP81840-510R or CXP81840 - 511R.

Although the two types above are different only in their last three digits (-010 or 110) of the parts code,   the two are regarded as two different parts in SPC for the reason described above.   As shown below, be sure to write last three digits (-010 or 110) of the parts code when ordering a microcomputers,

PART CODE:

CXP81840-510R (Ver1)	CXP81840-511R (Ver2)
87-HM1-600-010	87-HM1-600-110

NOTE :

1. As it is noted in the service manual, be sure to perform automatic adjustment in test mode, after replacing a microcomputer, Both version-1 and version-2 microcomputers require automatic adjustment.

2. After replacing CXP81840-510R (Version 1) microcomputers, be sure to perform the following adjustment (FBIAS adjustment) before performing automatic adjustment. A version-2 microcomputer does not require FBIAS adjustment.
   1) Activate "adjustment mode" in test mode.
   2) Press DISP button four times until "FBIAS" appears on LCD display.
   3) Press VOLUME button until the LCD displays "FBIAS 00." (Initial value of the microcomputer is "FBIAS 08.")
   4) Press STOP button to set the system to "SV OFF."

* Be sure to perform automatic adjustment after the above operations.

REMARKS : A version-1 microcomputer can be changed into a version-2 microcomputer with the following method:,

Method: Connect 7th pin (ERG) of a version-2 microcomputer to VDD (3V).