

## A Note on Using E8a Emulator Software and E8 Emulator Software

Please take note of the following problem in using E8a Emulator Software and E8 Emulator Software:

- With performing step-over or step-out execution
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### 1. Products and Versions Concerned

- (1) E8a Emulator Software  
V.1.00 Release 00 through V.1.03 Release 04
- (2) E8 Emulator Software  
V.2.06 Release 00 through V.2.12 Release 00

### 2. Description

In M16C E8a Emulator Debugger and M16C/Tiny, M16C/62P E8 Emulator Debugger included in the products and versions concerned, the contents of registers R0, R1, R2, and R3 in register bank 0 may be altered if the following are performed:

- Step-over execution
- Step-out execution

### 3. Condition

This problem may arise if PC breakpoints are set.

### 4. Workarounds

To avoid this problem, use either of the following ways:

- (1) Do not use PC breakpoints, but use address-match breakpoints.
- (2) If a program counter (PC) indicates an address where a function or subroutine call is made, execute the Come command from the address to the next instruction.

If a PC indicates an address where no function or subroutine call is

made, perform step-in execution.

## **5. Schedule of Fixing the Problem**

In E8a Emulator Software, we plan to fix this problem in the next release; in E8 Emulator Software, however, we have no plan to fix it.

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