

## A Note on Using Debugger Products for the M16C and 740 Families of MCUs

Please take note of the following problem in using debuggers for the M16C and 740 families of MCUs:

- With the Tooltip Watch function\*  
\*This function is used for referencing values of the variables defined in the source program. To do so, display the source program that contains the variable whose value you want to reference in the Editor window; then hover your mouse pointer over the variable's name. The value of the variable will be told in the pop-up window as a tip.

---

### 1. Products Concerned

#### For the M16C family:

- M32C PC7501 Emulator Debugger V.1.02 Release 00
- M32C PC4701 Emulator Debugger V.1.02 Release 00
- M32C Compact Emulator Debugger V.1.02 Release 00
- M32C Simulator Debugger V.1.02 Release 00
- M32C FoUSB/UART Debugger V.1.02 Release 00
- M16C R8C PC7501 Emulator Debugger V.1.02 Release 00
- M16C PC4701 Emulator Debugger V.1.02 Release 00
- M16C R8C Compact Emulator Debugger V.1.02 Release 00
- M16C R8C FoUSB/UART Debugger V.1.02 Release 00
- M16C R8C Simulator Debugger V.1.02 Release 00

#### For the 740 family

- 740 PC4701 Emulator Debugger V.1.02 Release 00
- 740 Compact Emulator Debugger V.1.02 Release 00
- 740 Simulator Debugger V.1.02 Release 00

### 2. Description

If you use the Tooltip Watch function for any structure-type or union-type variables whose size is greater than 256 bytes, High-performance Embedded Workshop may abnormally be terminated.

### **3. Workaround**

Disable the Tooltip Watch function.\* Or do not use this function for any structure-type or union-type variables whose size is greater than 256 bytes.

\*To disable the Tooltip Watch function, use the following procedure:

- (1) In High-performance Embedded Workshop, open the Setup menu and select the Options command. The Options dialog box appears.
- (2) In this dialog box, click the Editor tab.
- (3) Uncheck the Enable tooltip watch check box; then click the OK button.

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

We plan to fix this problem in the next release of the debuggers concerned.

---

#### **[Disclaimer]**

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.

© 2010-2016 Renesas Electronics Corporation. All rights reserved.