

## Free-of-Charge Replacement of Malfunctioning Charged-WS, Commercial Products of the R0E530650MCU00 MCU Unit and Upgraded R0E530640MCU00 MCU Unit with Properly Functioning Ones

In the charged-WS, commercial products of the R0E530650MCU00 MCU unit and the upgraded products of the R0E530640MCU00, we are replacing malfunctioning products with properly functioning ones free of charge.

These MCU units are used for the M16C/65 and /64A groups of MCUs in combination with the E100 emulator.

### 1. Description

There is a probability that malfunctioning products are included in the MCU units for the M16C/65 and /64A groups of MCUs. If you use any of these products, you may not program on-chip RAM area of the evaluation MCU, or software breaks may occur at addresses where no software breakpoints have been set.

The R0E530650MCU00 MCU units concerned are those with the lower four digits of the serial numbers listed in the table below.

And all the upgraded products of the R0E530640MCU00, which are upgraded to those for the M16C/65 and /64A groups of MCUs, are concerned.

The serial numbers are inscribed on the cables attached to the MCU units.

| R0E530650MCU00 | Lower 4 digits of Serial Numbers                                  |
|----------------|---|
| Charged-WS     | 0001 through 0029,<br>0032 through 0048,<br>and 0054 through 0064 |

|            |  |
|------------|--|
| Commercial | 0065, 0067 through 0109,<br>0114 through 0116,<br>0118 through 0131,<br>0133 through 0136,<br>0156, 0157,<br>0168 through 0173, and<br>0178 through 0180 |
|------------|--|

If you are using any of the products concerned, check whether it operates properly by performing the steps described in Section 2, and if yours is a malfunctioning product, we will replace it with a properly functioning one free of charge.

## 2. How to Check the Operations of the Product

Execute the Self-Check program of the MCU unit by going through the following steps:

### (1) Checking the version number of M16C R8C E100 Emulator Software

Check whether the version number of your M16C R8C E100 Emulator Software is V.1.01 Release 00. If it is earlier than V.1.01 Release 00, update your emulator software to the latest version by downloading the update program from the Web site at:

[http://www.renesas.com/e100\\_download](http://www.renesas.com/e100_download)

If you have installed V.1.02 Release 00 (to be published on July 16, 2009) or later, skip Step (2), and move to Steps (3) and (4).

### (2) Updating the Self-Check program

a. Download the zip file

`r0e530650mcu00_selfchkprogram_revision_installer_090616.zip`  
to update the Self-Check program from the Web page here.  
This Web page is opened from June 17 on.

b. Decompress the downloaded zip file to obtain the update program (an exe file). Then execute it and follow the instructions provided on-screen to update the Self-Check program.

If two or more M16C R8C E100 emulator software products have been installed, make sure that the emulator software is active in advance.

c. Check to see that the date of creation of the E100SELF\_M16C.dll file is June 8, 2009. If so, update is successful. If you have installed the emulator software products in the standard manner, this file will be found in the following folder:

C:\Program Files\Renesas\Hew\Tools\Renesas  
¥DebugComp¥Platform¥E100¥M16C¥self¥M16C64

If the date of creation of E100SELF\_M16C.dll is not June 8, 2009, and you have performed Sub-step b correctly, redo the update.

### **(3) Executing the Self-Check program**

Follow the instructions described in the R0E530650MCU00 user's manual to execute the Self-Check program of your MCU unit. Be sure to execute the program under the condition that the user system is not connected with the E100 emulator.

### **(4) Checking the results of the self-diagnosis**

If the message saying "Self-Check was normally completed" is displayed after the Self-Check program is complete, your MCU unit is functioning properly. So use it as before.

If the message saying "The error occurred while Self-Checking" is displayed, it is probable that your MCU unit is a malfunctioning one. In this case, click "Log" in the Self Check window to save the results of the self-diagnosis on a text file, and then send the text file to us as described in Section 3.

## **3. How to Apply for Free-of-Charge Replacement**

If it is probable that your R0E530650MCU00 MCU unit is a malfunctioning one, send to our contact center the e-mail that asks us to examine the results of the self-diagnosis with the text file containing the results attached. Your e-mail is acceptable on and after June 17, 2009.

The e-mail address of our contact center is:

csc@renesas.com

After examining your text file, we will answer you the results of examination.

## **4. Notices**

**(1)** If your MCU unit is proved to be a malfunctioning product concerning this issue after examining your text file, we will replace it with a properly functioning one. Note, however, that even if your MCU unit is proved to be malfunctioning, it will not be replaced as long as the self-diagnosis has incorrectly been conducted or your MCU unit has suffered a breakdown.

**(2)** We will ship a properly functioning R0E530650MCU00 within 10 working days except for the transportation period after receiving

your MCU unit. Be aware that shipment will take 10 or more days if we have had a large number of applications at one time.

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