

Outline

When using the CS+ integrated development environment, note the following points.

1. When the abs file is downloaded in the RX family, a critical error occurs and the disassemble panel displays the X mark.
2. After the abs file is downloaded in the RX family, the address column is not displayed on the assembler source panel and source lines cannot be debugged.

1. When the abs File is Downloaded in the RX Family, a Critical Error Occurs and the Disassemble Panel Displays the X Mark.

1.1 Applicable Products

- CS+ Integrated Development Environment V6.00.00
- [Evaluation edition] CS+ Integrated Development Environment V6.00.00

1.2 Applicable MCUs

- RX family

1.3 Details

In the RX family, "Error (E0200001)" occurs as shown in the Figure 1.1 when the abs file is downloaded, and the disassemble panel displays the X mark as shown in the Figure 1.2.

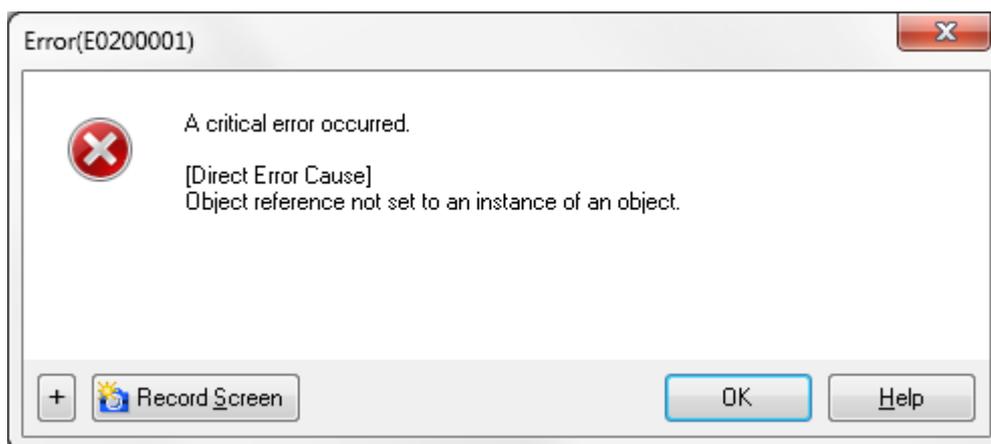


Figure 1.1 Error (E0200001) dialog box

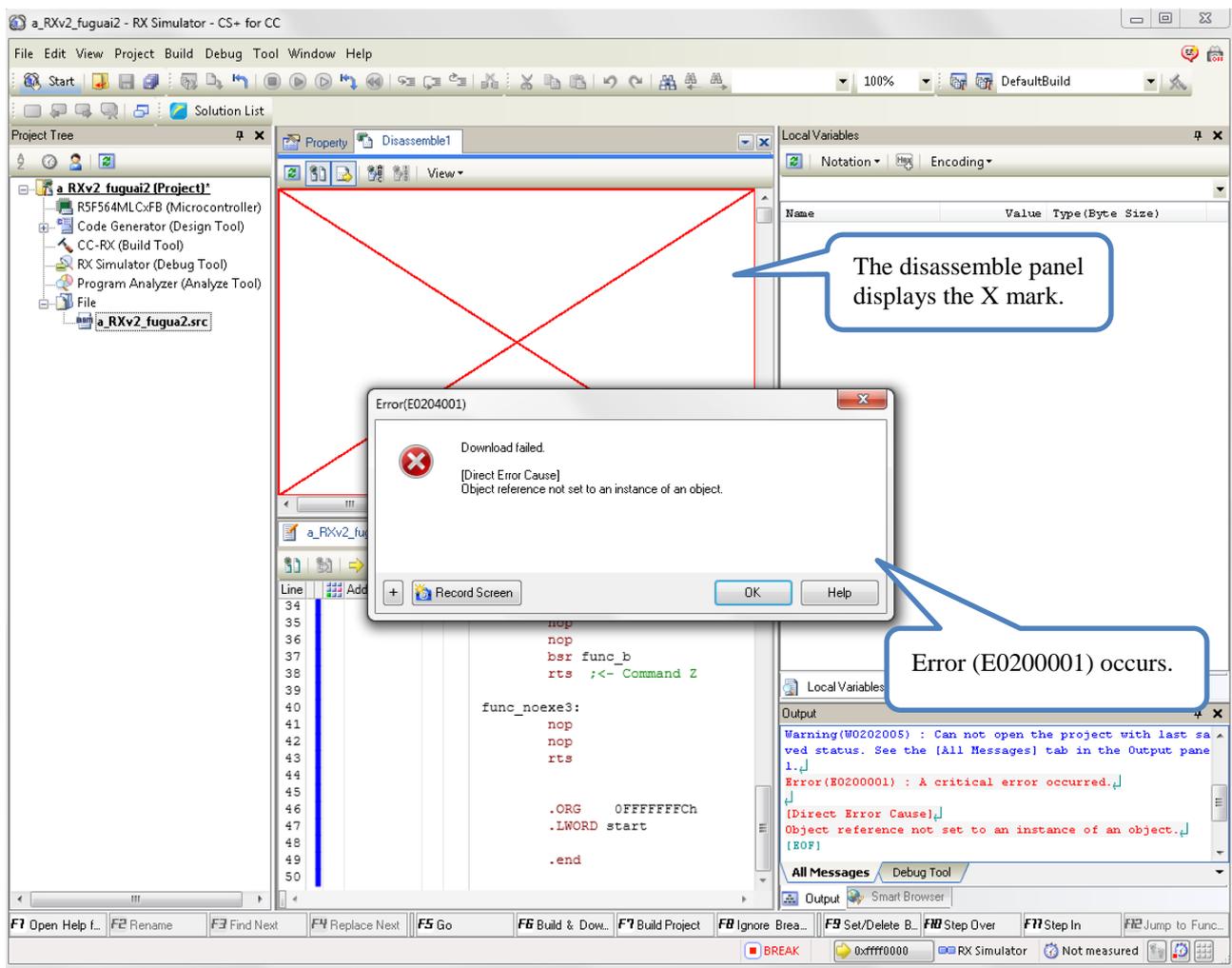


Figure 1.2 Overall View of CS+ when Error (E0200001) Occurs

1.4 Conditions

The problem arises when reset vector data is specified without using the `.section` pseudo instruction in the assembler source.

<Example>

```
.ORG 0FFFFFFFCh
.LWORD start
.end
```

1.5 Workaround

Terminate and restart CS+, add the `.section` pseudo instruction to the reset vector data (red text), and build the program.

<Example>

```
.section VECT // Add the .section pseudo instruction.
.ORG 0FFFFFFFCh
.LWORD start
.end
```

1.6 Schedule for Fixing the Problem

This problem will be fixed in the next version (CS+ V6.01.00).

2. After the abs File is Downloaded in the RX Family, the Address Column is not Displayed on the Assembler Source Panel and Source Lines cannot be Debugged.

2.1 Applicable Products

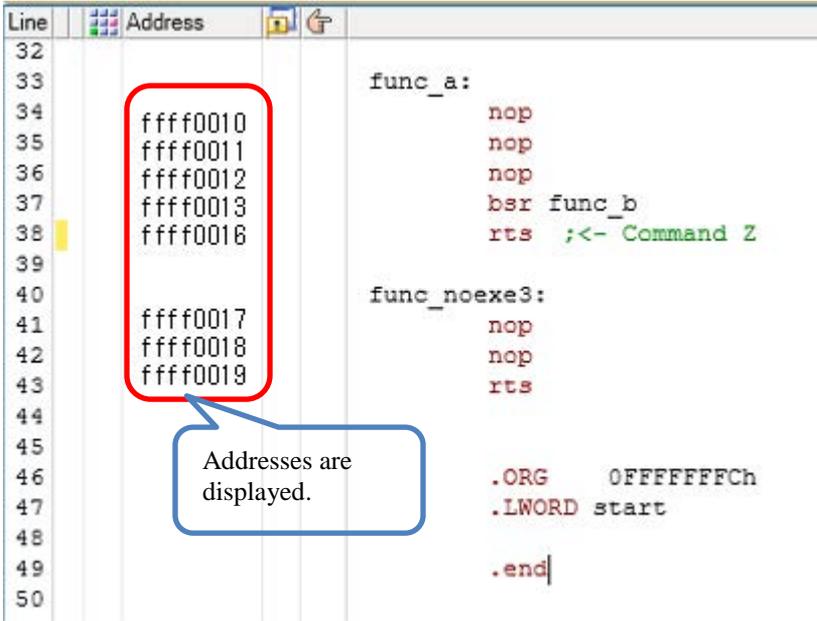
- CubeSuite+ Integrated Development Environment V1.01.00 to V2.02.00
- CS+ Integrated Development Environment V3.00.00 to V5.00.00
- [Evaluation edition] CubeSuite+ Integrated Development Environment V1.01.00 to V2.02.00
- [Evaluation edition] CS+ Integrated Development Environment V3.00.00 to V5.00.00

2.2 Applicable MCUs

- RX family

2.3 Details

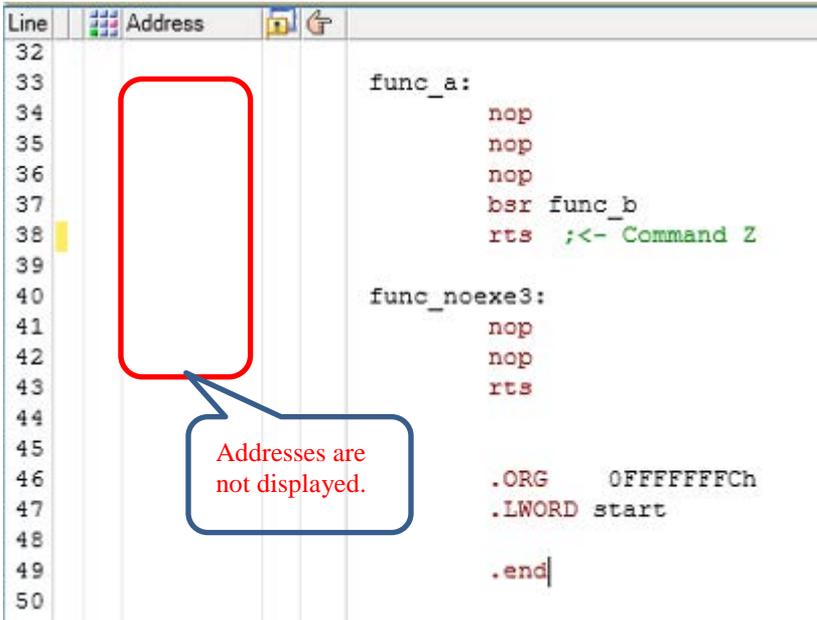
Although addresses are displayed in the address column in normal cases as shown in the Figure 2.1, when the condition below is met, no address is displayed. Additionally, debugging operations, such as break point setting, cannot be performed on assembler source lines.



```
Line | Address |  
32 | |  
33 | | func_a:  
34 | | nop  
35 | | nop  
36 | | nop  
37 | | bsr func_b  
38 | | rts ;<- Command Z  
39 | |  
40 | | func_noexe3:  
41 | | nop  
42 | | nop  
43 | | rts  
44 | |  
45 | |  
46 | | .ORG 0FFFFFFFCh  
47 | | .LWORD start  
48 | |  
49 | | .end  
50 | |
```

A red box highlights the memory addresses in the Address column: ffff0010, ffff0011, ffff0012, ffff0013, ffff0016, ffff0017, ffff0018, and ffff0019. A blue callout bubble points to these addresses with the text "Addresses are displayed."

Figure 2.1 Example of Normal Case



```
Line | Address |  
32 | |  
33 | | func_a:  
34 | | nop  
35 | | nop  
36 | | nop  
37 | | bsr func_b  
38 | | rts ;<- Command Z  
39 | |  
40 | | func_noexe3:  
41 | | nop  
42 | | nop  
43 | | rts  
44 | |  
45 | |  
46 | | .ORG 0FFFFFFFCh  
47 | | .LWORD start  
48 | |  
49 | | .end  
50 | |
```

A red box highlights the empty Address column for lines 34 through 43. A blue callout bubble points to this area with the text "Addresses are not displayed."

Figure 2.2 Example of a Problem

2.4 Conditions

The problem arises when reset vector data is specified without using the `.section` pseudo instruction in the assembler source.

<Example>

```
.ORG 0FFFFFFFCh  
.LWORD start  
.end
```

2.5 Workaround

Add the `.section` pseudo instruction to the reset vector data (red text) and build the program.

Example:

```
.section VECT           // Add the .section pseudo instruction.  
.ORG 0FFFFFFFCh  
.LWORD start  
.end
```

2.6 Schedule for Fixing the Problem

This problem will be fixed in the next version (CS+ V6.01.00).

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Sep. 16, 2017	-	First edition issued

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