

RENESAS TOOL NEWS on July 1, 2004: RSO-M3T-NC308WA_1-040701D

A Note on Using C Compiler Packages M3T-NC308WA V.5.20 Release 1 and M3T-NC30WA V.5.30 Release 1

Please take note of the following problem in using the M3T-NC308WA V.5.20 Release 1 and M3T-NC30WA V.5.30 Release 1 C-compiler packages:

- On selecting link option "-JOPT"
-

1. Products and Versions Concerned

M3T-NC308WA V.5.20 Release 1

for the M32C/80 and M16C/80 series MCUs

M3T-NC30WA V.5.30 Release 1

for the M16C/60, M16C/30, M16C/Tiny, M16C/20, M16C/10, and R8C/Tiny series MCUs

2. Description

If Options "-JOPT" and "-ORDER" are both selected at linking, "-ORDER" may become invalid. And, if options "-JOPT" and "-LOC" are selected, "-LOC" may also become invalid.

2.1 Conditions

This problem occurs if the following four conditions are satisfied:

- (1) The "-Oglb_jmp(-OGJ)" option in the C compiler or the "-JOPT" option in the assembler is selected.
- (2) The "-JOPT" option is selected in the linker.
- (3) The "-ORDER" or "-LOC" option is selected also in the linker.
- (4) Any branch instruction that can be optimized is used.

2.2 Example

```
-----  
> as308 sample -JOPT  
> ln308 sample -JOPT -ORDER WORK=400,PROGRAM=0E0000  
-----
```

Because the "-ORDER" option becomes invalid, the starting addresses 400H of the WORK section and 0E0000H of the PROGRAM section cannot be set.

3. Workaround

When using the -LOC or -ORDER option in the linker, don't select the -JOPT option in it because the program itself can run properly without using this option.

4. Schedule of Fixing the Problem

We plan to fix this problem in our next release of the products.

[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.