

A Note on Using the C Compiler Packages M3T-NC308WA and M3T-NC30WA

Please take note of the following problem in using the C compiler packages M3T-NC308WA and M3T-NC30WA, which are used for the M16C family of MCUs:

- On incorrect description of do statements
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1. Products and Versions Concerned

M3T-NC308WA V.5.00 Release 1 through V.5.20 Release 02
(for the M32C/90, M32C/80, and M16C/80 series)

M3T-NC30WA V.5.00 Release 1 through V.5.30 Release 02
(for the M16C/60, M16C/30, M16C/20, M16C/10, M16C/Tiny, and R8C/Tiny series)

2. Description

Incorrect description of do statements results in system errors or application errors.

2.1 Examples

Example 1: Missing while statement

```
int func(void)
{
    int    j;
    int    i = 0;

    for( j=0; j<10; j++ ){
        do{
            i++;
        };      /* No while statement */
    }
    return i;
}
```

```
}
```

Example 2: Missing controlling expression

```
int func(void)
{
    int    j;
    int    i = 0;

    for( j=0; j<10; j++ ){
        do{
            i++;
        } while();    /* No controlling expression */
    }
    return i;
}
```

Example 3: Missing semicolon

```
int func(void)
{
    int    j;
    int    i = 0;

    for( j=0; j<10; j++ ){
        do{
            i++;
        } while( i < 10 )    /* No semicolon */
    }
    return i;
}
```

3. Workaround

Describe correct do statements.

4. Schedule of Fixing the Problem

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

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