

# ► *Trio Motion Technology* ◀

## Technical Bulletin

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**Doc No.:** TN20-24  
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**Subject:** Programs 'HANG UP' on a WA( ) instruction.

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**Applicability:** MC2 system software versions 1.25 and before.

**Details:** The TICKS counter in each process always counts down and when it reaches  $-2^{32}$  it should overflow without causing problems. Sometimes it does not and freezes at  $-2^{32}$  resulting in the WA( ) instruction hanging up the program.

The problem was fixed in Version 1.26.

**Solution:** Load system software V1.26 or higher or take the following measures within the Trio Basic application program(s);

- (i) For machines which are turned off at least once a week: Set TICKS=0 at the beginning of each of your programs so that it is called only once when the process is started.
- (ii) Where the machine is required to be powered up all the time: You must reset TICKS=0 at some point in each of the processes, for example once per machine cycle or once per operator initiated start.