How to replace the startup routine (crt0.c)

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The software running after reset in GNU17 Ver.3 is described in the "crt0.o" file. Normally, "crt0.o" is provided in the form of an object and cannot be edited. Therefore, if you need to modify this software, edit "crt0.c" attached to this development tool and show how to use it as normal user software below.

How to replace the startup routine (crt0.c)

1) Make settings so that the existing "crt.o" is not selected when linking

In the "Project Explorer" view, with the target project selected, select "Properties" from the "Project" menu (or the context menu displayed by right-clicking) to open the "Properties" dialog box. Select "C/C++ Build"> "Setting" to display the "Tool Settings" tab page. Select "Cross GCC Linker"> "General" from the settings list on the "Tool Settings" page, then select "Do not use standard start files (-nostart files)" on the page that appears.
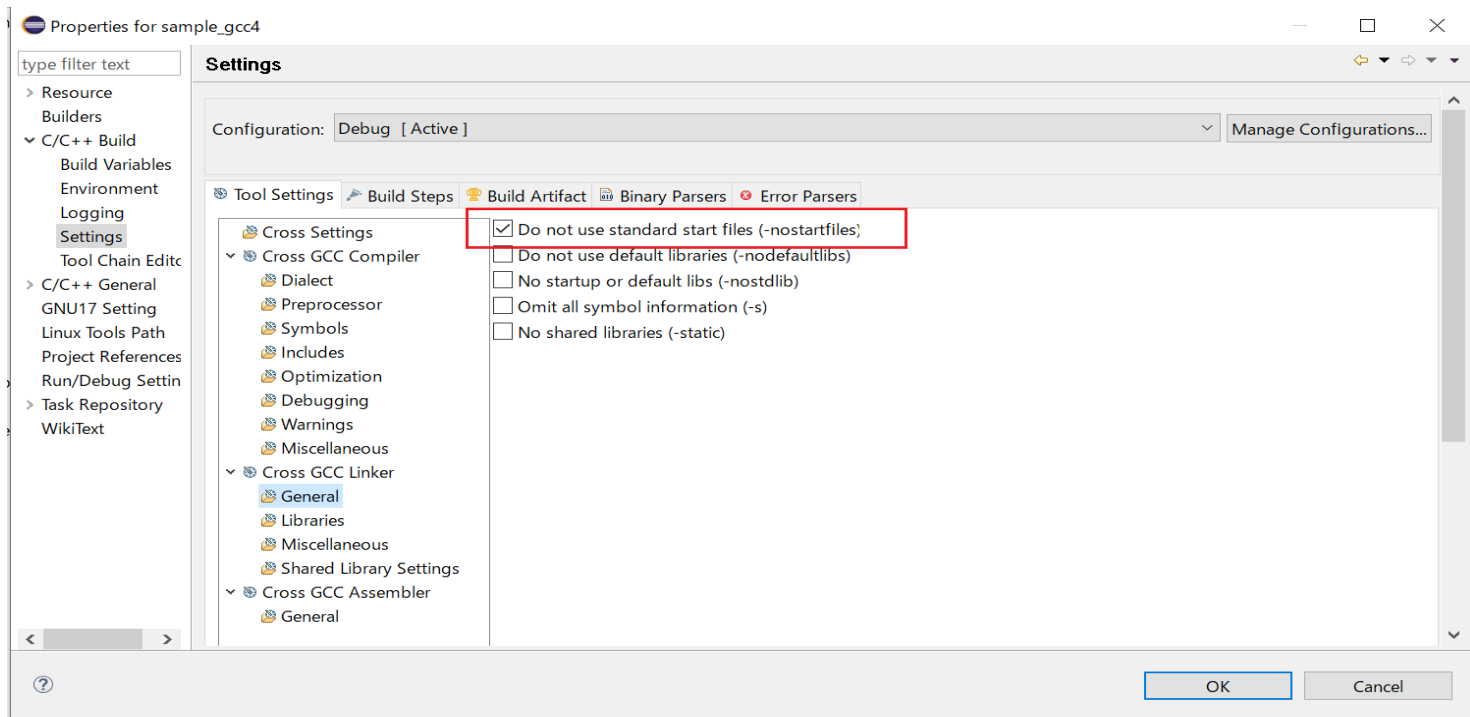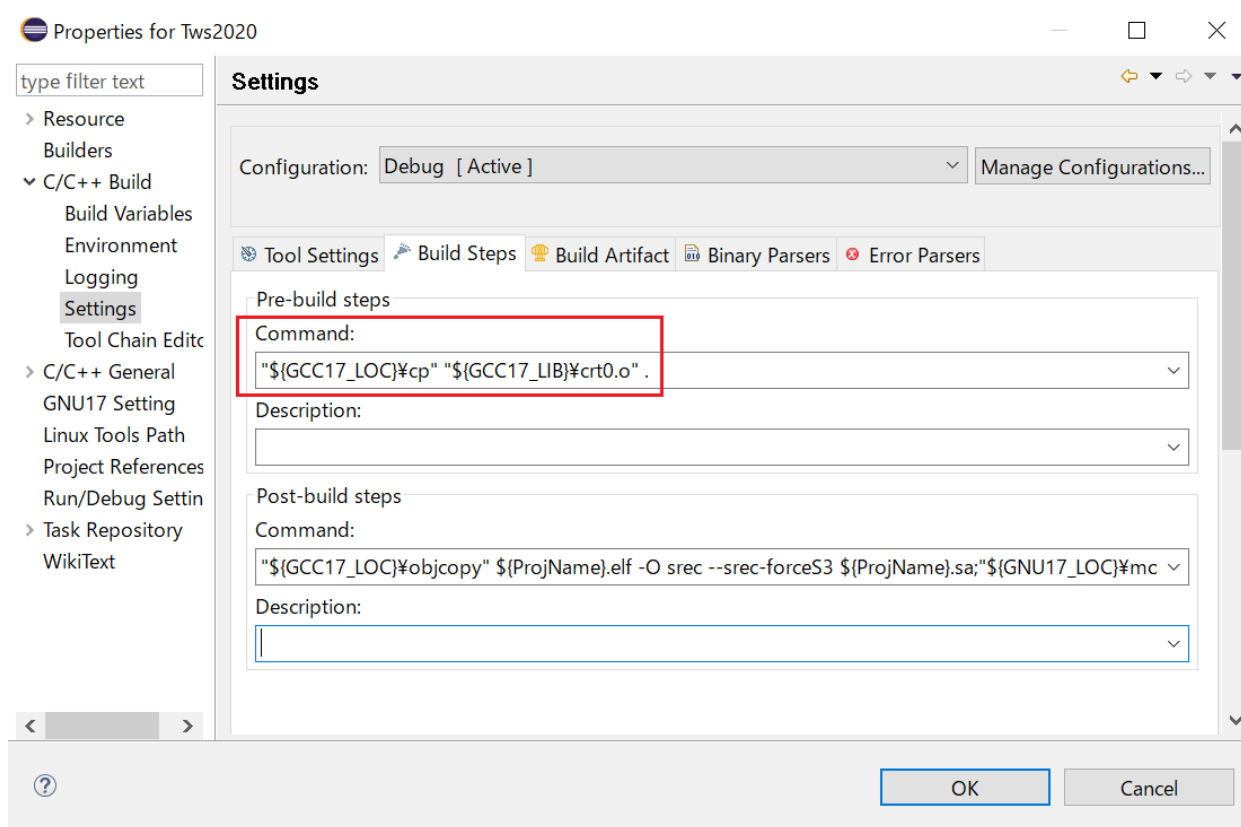
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2) Delete the default "crt0.o"

Select from the project properties to

"[C/C++ Build]> [Settings]> [Build Steps]> [Command]" and delete the following text.

"${GCC17_LOC}¥cp" "${GCC17_LIB}¥crt0.o".

How to replace the startup routine (crt0.c)

3) Add crt0.c to your project

The existing crt0.c (source code) is stored in the following path, so edit it and move it to the source code folder in your project.

  C:¥EPSON¥GNU17V3¥utility¥lib_src¥crt0¥