GFK-0814

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GE Fanuc Manual Series 90-30

C Programmer s Toolkit for Series 90 PCM Quick Reference Guide

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C Programmer's Toolkit for PCM
Quick Reference Guide

This guide outlines the steps involved in installing and operating the PCM C toolkit.

Upgrade Installations

If you are upgrading from a previous version of this toolkit, read this section carefully before proceeding.

Upgrading the Toolkit Software

2. Before you begin, be sure the MS-DOS `LIB` environment variable in your computer includes `\PCMC\LIB`. The INSTALL program will use `LIB` to find your previous version of the toolkit. Use the MS-DOS `SET` command to show the current definitions of all environment variables. At the MS-DOS prompt, type `SET` and press the Enter key. Check the definition of the `LIB` variable to be sure `\PCMC\LIB` is the first item in it. If not, run the `PCMC.BAT` batch file in your `\PCMC` directory before running the INSTALL program.

3. Insert the INSTALL diskette into any diskette drive of your personal computer.

4. At the MS-DOS prompt, type `A:INSTALL` if you are installing from drive A, or `B:INSTALL` if you are using drive B.

5. Follow the instructions displayed by the INSTALL program.

6. After the INSTALL program completes, store the INSTALL diskette in a safe place.

7. Be sure to read the file `AAREADME` in the `\PCMC` directory for important information about this release that became available after the manuals were printed.

If You Have a Problem Using the Toolkit After Upgrading

1. Read the installation chapter in the *C Programmer's Toolkit for PCMs User's Manual.*

2. Check the installation process step by step. Most problems of this type are caused by incorrect installation.

Original Installations

If this is the first time you have installed this toolkit, please read the following items carefully.

Other Products You Will Need

1. A personal computer with MS-DOS Version 3.3 or later and at least one megabyte of free hard disk space.

2. A PLC that contains at least one PCM.

3. PCM Support Software (TERMF), IC641SWP063A, Revision 1.00 or later.

4. IC641 programming software, as required for your PLC.

5. Microsoft® C Version 6.0, Microsoft C/C++ Version 7.0, or Microsoft Visual C++ Version 1.00 Professional Edition. Note that the Standard Edition and 32-bit Professional Edition of Microsoft Visual C++ **cannot** be used to develop PCM C applications.

6. A text editor.

Before You Install This Product

Microsoft C must be installed before the PCM C toolkit. There are two requirements for installing Microsoft C.

1. You must select the Alternate Math package during installation.

2. The `LIB` and `INCLUDE` environment variables must be defined by `SET` statements in the `AUTOEXEC.BAT` file in the root directory of your computer's boot drive.

Installing the Toolkit Software

NOTE

The INSTALL diskette is copy-protected.
You can install this product only from the diskette.

1. Insert the INSTALL diskette into any diskette drive of your personal computer.

2. At the MS-DOS prompt, type `A:INSTALL` if you are installing from drive A, or `B:INSTALL` if you are using drive B.

3. Follow the instructions displayed by the INSTALL program.

4. If you tell INSTALL not to change your `AUTOEXEC.BAT`, be sure to add the `\PCMC` directory of the drive where the toolkit was installed to your path. Also be sure that your `AUTOEXEC.BAT` contains `SET LIB` and `SET INCLUDE` statements that include the `\PCMC\LIB` and `\PCMC\INCLUDE` directories before the corresponding Microsoft C directories.

After You Install this Product

1. Store your INSTALL diskette in a safe place.

2. Be sure to read the file `AAREADME` in the `\PCMC` directory for important information about this release that became available after the manuals were printed.

3. Read *"Getting Started"* in the *C Programmer's Toolkit for PCMs User's Manual*. Based on the information there, you may also want to read other sections of the manual.

4. Compile and link the example program `HELLO.C`, and then load it to your PCM and run it. This process will verify that you have installed the toolkit correctly. For more information, see *"Creating and Running PCM C Programs"* in the *C Programmer's Toolkit for PCMs User's Manual*.

If You Have a Problem Using the Toolkit after Installation

1. Read the installation chapter in the *C Programmer's Toolkit for PCMs User's Manual* carefully.

2. Check the installation process step by step. Most problems of this type are caused by incorrect installation.

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