

# 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

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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.