

**Burroughs**  
Computer  
Management  
System

System  
Software  
Specifications

# COBOL

## COBOL Compiler for the B 80 Computer System

### STYLE NUMBER

CM 80 COB

### CAPABILITY

Burroughs COBOL Compiler converts source programs written in COmmon Business Oriented Language (COBOL) into object programs for execution by B 80 Systems. COBOL is an English-like language used for stating logic procedures to be followed by the computer in processing general business applications. This high-level language compiler offers a number of advantages over assembler languages and programming codes. These advantages include simpler, faster programming, easier program documentation and modification, and compatibility with larger data processing systems for major savings in future system conversion costs.

Burroughs COBOL includes capabilities called for by the American National Standards Institute plus extensions added by Burroughs to derive full benefits from the operating system and new hardware capabilities and to further reduce programming time and cost. Burroughs COBOL compiler generates compact object programs which save memory space and which the B 80 Systems can execute efficiently.

### Simpler, Faster Programming

Its English-like structure makes COBOL an ideal language for business application programming. If a problem-solving procedure can be defined in English, it can be stated in COBOL for the computer.

A single COBOL statement may represent a number of computer instructions. This helps keep COBOL programs concise and comparatively simple in structure. It shortens program writing time and testing time; yet, it permits a high degree of sophistication when necessary. In addition, Burroughs COBOL incorporates program aids that help maintain clear logic trails even in large, complex programs.

Freedom from memory size limitation through simple program segmentation is another important consideration. The Burroughs B 80 Computer regards COBOL programs as collections of logical segments which it can operate upon individually or in groups. This means COBOL programs can be written without considering the computer's memory size as a limiting factor.

### Easier Documentation and Maintenance

Burroughs COBOL's easy-to-read syntax and standardized format make programs self-documenting. Any problem-solving steps taken in structuring a program can be identified exactly. Since COBOL programs can be modified or expanded by other COBOL programmers, personnel changes have a minimal effect on program maintenance.

### Compatibility With Large Systems

Burroughs B 80 COBOL provides a direct, inexpensive bridge to larger Burroughs data processing systems. The ability to move existing programs to another system with virtually none of the re-programming effort or cost usually associated with conversion, offers long-range protection for your programming investment and means that you can plan future projects with confidence.

## Efficient Operation

Burroughs COBOL language and Burroughs COBOL compiler create application object programs which operate in unison with the B 80 Master Control Program (MCP). This integration of application programs with system software results in rapid compilation, compact code structure and efficient execution. The B 80 operating system automates many detailed operations related to input/output requests, error handling, file handling and memory

allocation. These operations would otherwise be programmer responsibilities.

## SYSTEM REQUIREMENTS

Central

Processor: B 80

Peripherals: Burroughs Super Mini-Disk or cartridge disk

System

Software: Master Control Program (MCP)  
MPL II Interpreter for compiling  
COBOL Interpreter for execution

## PRODUCT IDENTIFICATION

Program ID	Description	Media	Support Category
CM 80 COB	Compiler	Object Code	A*

\*Support Category A indicates a "Supported Licensed Program" as defined in the Program Products License.