

RECOMP II USERS' PROGRAM NO. 1142

PROGRAM TITLE: PREPARE SCOPAC SOURCE PROGRAM
ON TAPE

PROGRAM CLASSIFICATION: General

AUTHORS: T. F. McJilton
R. P. Rohrbach
Operation Research,
General Offices, North American Aviation, Inc.

PURPOSE: To prepare a source program on tape to be
used as input to the SCOPAC compiler.

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AMERICAN
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CORPORATION
1000
BROADWAY
NEW YORK
10018

PROGRAM TITLE: PREPARE SCOPAC SOURCE PROGRAM ON TAPE

PURPOSE

To prepare a source program on tape to be used as input to the SCOPAC compiler.

GENERAL METHOD USED

The characters of a statement or symbolic code are input one character at a time and stored in consecutive locations beginning at 7000₈. A check of each character of a statement is made for the mode (letter or figure shift), a line feed, and a termination character (s). A check of each character of a symbolic code is made for line feed and the termination character (carriage return).

If Sense Switch B is OFF, all characters of the entry will be punched immediately after the termination character is entered.

If Sense Switch B is ON, the statement or symbolic code will be typed out followed by the word CHECK. All characters of the entry are then punched by depressing the FILL key and S key on the typewriter.

Ten blanks are always punched between every character.

RESTRICTIONS

This program uses the typewriter and the punch. The program occupies locations 0001 and 7570-7757. In addition, locations 7000-7567 are used for storage of the source program. (Each new entry is stored beginning at 7000).

OPERATOR'S INSTRUCTIONS

1. Set typewriter margin at 6 and 97 and tab stops at 23, 33, 53 and 60.
2. Set tab override switch in the OFF position.
3. Load the program tape.
4. Turn the punch ON and advance at least 2 folds of tape.
5. Turn Sense Switch C OFF. (For use of Switch B see 7., Switch D is not used).
6. Depress START.
7. To Type Source Program
 - A. If typeout of entry is desired prior to punching, turn Sense Switch B ON.
 - B. Type source program exactly in the same format (except that "blanks" may not be entered) as is done using SCOPAC with the source program entered via the typewriter.

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- C. If Switch B is OFF, punching will occur immediately after the statement or symbolic code is entered. After punching, the ALPHA light will come ON ready for the next entry.
- D. If Switch B is ON, the statement or symbolic code will be typed back and the word CHECK will be typed.
- E. To punch after CHECK has been typed, depress FILL key and S key on typewriter. After punching, the ALPHA light will come ON ready for the next entry.
- F. To Enter Symbolic Coding
 - (1) Enter SYMBOLIC s, then either turn Switch C ON as it is being punched or wait until the ALPHA light comes ON then turn Switch C ON, and depress the LINE FEED key on the typewriter. The ALPHA light will come ON ready for entry of symbolic coding.
 - (2) After COMPILER has been entered, either turn Switch C OFF as it is being punched or wait until the ALPHA light comes ON then turn Switch C OFF, and depress the LINE FEED key on the typewriter. The ALPHA light will come ON ready for entry of statements.

8. If An Error Occurs

- A. If an error occurs while typing a statement or symbolic code, depress LINE FEED key on the typewriter. The ALPHA light will come ON ready for entry of the correct statement or symbolic code.
- B. If an error is detected after CHECK has been typed, depress START 1, wait for the ALPHA light to come ON, and make correct entry.
- C. ERROR will be typed and a halt at 0001 will occur if Sense Switch B is ON and an extraneous character would have been punched. Depress START, wait for the ALPHA light to come ON and re-type the entry. (This error is very unusual and is indicative of a faulty typewriter).

- 9. After all entries have been punched, remove the source program tape. The tape is ready to be processed as described in the SCOPAC manual dated 14 September 1962.