Sense Switches

Since the programs as written assume the availability of Sense Switch Control, it is obviously not possible without sense switches to perform switch operations, such as -

Sense Switch ON	Operation
B	Scope
C	Correct Print
D	Repeat program for an individual detail record
E	Error Stop

However, these operations can be performed by manually changing the modifier portion of the sense switch instructions in the programs to blank characters (C-bit only) or word marks. Examples:

Program as written

	Inst. Addr.	OP	A	B	Remarks
	---	-	---	---	
Scope	480	-	---	---	
	487	B	480	B	CHANGE B IN LOC. 491 TO A BLANK OR WORD MARK.
	492	C	---	---	Compare
	499	B	900	/	Branch to Error Print Routine if Unequal (error).
	504	B	950	C	CHANGE C IN LOC. 508 TO A BLANK OR WORD MARK.
	509	B	958		Branch to Sense D.
	900	L	---	---	Load Word "Error."
Error Print Routine	907	B	916	E	CHANGE E IN LOC. 911 TO A BLANK OR WORD MARK.
	912	2	958		Error Print and branch to Sense D.
	916	.	958		Error Stop and branch to Sense D.
Correct Print Routine	950	L	---	---	Clear Word "Error."
	957	2			Print (correct results).
Repeat Program	958	B	421	D	CHANGE D IN LOC. 962 TO A BLANK OR WORD MARK.
	963	B	417		Branch to read next record.

By making the changes as indicated above, conditional branches are changed to unconditional branches and accomplish the same purposes as the Sense Switches when set to the ON position.

Switch Settings

No attempt is made here to explain all of the Console Keys, Lights and Switches. These features are adequately described in the Reference Manual (Form A24-1403). However, for purposes of the customer engineering tests, the following switches should be set as indicated below:

Mode Switch - RUN

I/O Check Stop Switch - ON (UP). This causes the machine to stop and turn on an error light (Reader, Punch, or Printer) at the completion of an I/O operation if an error occurs during that operation.

Process Check Stop Switch - ON. This causes the machine to stop and turn on the process error light as soon as a process check occurs. The program may be advanced by pressing the Check Reset Key and the Start Key.