Three Sense Switches may be brought into play as follows:

Sense Switch B ON - permits scoping of the correct or incorrect branches on Channels 9 and 12 as often as desired.
Sense Switch D ON - repeats the program for the entire test as often as desired.
Sense Switch E ON - stops for error results after printing the operation comment.

The program is executed in the following manner:

After printing the title BRANCH CHANNEL 9 & 12 2020B, an Immediate Skip to 1 and print instructions are executed to position the form on Line 1 or 41 of the tape and automatic space to Line 2 or 42. A Branch On Channel 9 is then performed. If the instruction is properly executed, no branch should occur. The operation comment DID NOT BR ON CHAN 9 AFTER SKIP TO 1 is then loaded and printed. If an erroneous Branch On Channel 9 occurred, the operation comment BRANCHED ON CHAN 9 AFTER SKIP TO 1 ERROR is loaded and printed. If desired, the machine may be stopped by setting Sense Switch E to the ON position. To visually check the error, refer to the carriage tape. It should be resting on Line 3 or 43 since an automatic space occurred after printing the operation comment on Line 2 or 42. The program may be advanced by pressing the Start Key.

While the carriage is positioned on Line 3 or 43, a Branch On Channel 12 is then performed. If the instruction is properly executed, no branch should occur. The operation comment DID NOT BR ON CHAN 12 AFTER SKIP TO 1 is then loaded and printed. If an erroneous Branch On Channel 12 occurred, the operation comment BRANCHED ON CHAN 12 AFTER SKIP TO 1 ERROR is loaded and printed. If Sense Switch E is set to the ON position, the carriage tape should be resting on Line 4 or 44. The program may be advanced by pressing the Start Key. This is the end of the first operation.

The second operation begins with an Immediate Skip to 9 and print instructions which should position the form on Line 25 or 65 of the tape and automatic space to Line 26 or 66. While on this line a Branch On Channel 9 is then performed. If the instruction is properly executed, branching should occur. The operation comment BRANCHED ON CHAN 9 AFTER SKIP TO 9 is then loaded and printed. If no branching occurred, the error is indicated by loading and printing DID NOT BR ON CHAN 9 AFTER SKIP TO 9 ERROR. If Sense Switch E is set to the ON position, the carriage tape should be on Line 27 or 67 when the machine stops. The operation may be advanced by pressing the Start Key. This is the end of the second operation.

The third operation begins with an Immediate Skip to 12 and print instructions which should position the form on Line 34 or 74 of the tape and automatic space to Line 35 or 75. While on this line a Branch On Channel 12 is then performed. If the instruction is properly executed, branching should occur. The operation comment BRANCHED ON CHAN 12 AFTER SKIP TO 12 is then loaded and printed. If no branching occurs, the error is indicated by loading and printing DID NOT BR ON CHAN 12 AFTER SKIP TO 12 ERROR. If Sense Switch E is set to the ON position, the carriage tape should be on Line 36 or 76 when the machine stops. The operation may be advanced by pressing the Start Key. The test is completed when the comment END OF TEST is printed on Line 36 or 76.

The test may be repeated as often as desired by setting Sense Switch D to the ON position.