

DataGeneral

**TECHNICAL
STATEMENT**

TEXT LISTING

068-000061-05

PROGRAM

4073/4074 SYNCHRONOUS LINE
ADAPTER TEST

TEXT TAPE

097-000061-05

ABSTRACT

THIS PROGRAM PROVIDES BOTH A DIAGNOSTIC AND A RELIABILITY TEST FOR THE MODEL 4074 (SINGLE LINE VERSION) AND THE 4073 (FOUR-LINE VERSION) OF THE SYNCHRONOUS LINE ADAPTERS. DTOS WILL AUTO-START THE DIAGNOSTIC.

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13. SWITCH SETTINGS
13.1 DIAGNOSTIC STARTING ADDRESS = 200
      USING THE LINES ENTERED IN THE DIAGNOSTIC
13.2 RELIABILITY STARTING ADDRESS = 000003
      USING ALL LINES THAT RESPOND TO A TEST
      RELIABILITY STARTING ADDRESS = 000004
13.3 DIAGNOSTIC
      SWITCH 1(1) WHEN THE DIAGNOSTIC IS RESTARTED
          NEW OPERATOR PARAMETERS WILL
          BE REQUESTED.
13.3.1 SWITCH 1(1) PROCEED FROM A FAILING LOOP
13.3.2 SWITCH 2(1) INHIBIT PRINTING ON CONSOLE TTY
13.3.3 SWITCH 3(1) PRINT THE FAILURE RATE
13.3.4 SWITCH 5(1) PRINT TO THE LPT
13.4 RELIABILITY
13.4.1 SWITCH 1(1) PROCEED TO NEW DATA SET AFTER
          A FAILURE OCCURS.
14.0 RUNNING TIMES
      BOTH THE RELIABILITY AND THE DIAGNOSTIC
      PORTIONS OF THE PROGRAM WILL RUN UNTIL
      STOPPED MANUALLY. IF AN ERROR OCCURS IN THE
      DIAGNOSTIC PORTION A SCOPE LOOP WILL BE ENTERED
      AFTER THE CPU HALTS IN THE NORMAL MANNER.
      SINCE MANY OF THE TEST LOOPS HAVE MORE THAN
      ONE ERROR HALT OR PASS THROUGH THE SAME
      HALT A NUMBER OF TIMES, NO ATTEMPT TO CALCULATE
      A FAILING PERCENTAGE IS MADE. RATHER THE NUMBER
      OF ERRORS OCCURRING IN N PASSES THROUGH THE LOOP
      IS PRINTED IF SWITCH 1(0) AND 3(1) AND TTY
      OR LPT PRINTOUT ENABLED.
17.0 TEST PLUG
      THE TEST PLUG REQUIRED TO TEST EITHER
      THE 4073 OR 4074 WILL CONNECT THE LINE X
      DATA OUTPUT TO THE LINE X DATA INPUT.
      SIMILARLY THE INTERNAL CLOCK MUST BE TIED
      TO THE SEND AND RECEIVE CLOCK INPUTS. FOR THE
      4074 JUMPERS ARE ALSO REQUIRED FOR
      THE MODEM CONTROL SIGNALS.
18.0 RESTRICTIONS
      ALL LINES MUST
      OPERATE AT THE SAME FREQUENCY (EITHER 19.2*9.6
      4.8*2.4, OR 1.2 KBAUDS/SEC). FOR THE NOVA
      CPU THE RELIABILITY PORTION OF THE PROGRAM
      WILL NOT RUN AT THE HIGHER RATES.

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