

TEXT LISTING

068-000186-04

PROGRAM

4029 COMMUNICATIONS CONTROLLER
TEST

TEXT TAPE

097-000186-04

ABSTRACT

THE TYPE 4029 COMMUNICATIONS TEST IS A MAINTENANCE PROGRAM
DESIGNED TO TEST THE TYPE 4029 COMMUNICATIONS INTERFACE.
THE INTERFACE IS TESTED VIA A TEST PLUG WHICH PERMITS
SAMPLING OF THE OUTPUT LINE AND STIMULATION OF THE
INPUT LINE.

10003 .MAIN

0004 .MAIN

**00000 TOTAL ERRORS, 00000 PASS 1 ERRORS

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PROGRAM OUTPUT
WHEN A MALFUNCTION IS DETECTED BY THE
DIAGNOSTIC THE COMPUTER WILL HALT AT
LOCATION ERK1+1 . EXAMINE AC3 TO OBTAIN
THE ADDRESS OF THE FAILING ROUTINE.
CONSULT THE LISTING TO DETERMINE THE
CAUSE OF ERROR. PRESSING CONTINUE WILL
CAUSE THE PROGRAM TO ENTER A FAILING LOOP
SUITABLE FOR SCOPING. SETTING SWITCH 0(1)
WILL ALLOW THE PROGRAM TO PROCEED TO THE
NEXT TEST ROUTINE.

PROGRAM DESCRIPTION
THIS PROGRAM WILL TEST THE 4029 INTERFACE
LOGIC. BUSY, DONE, INTERRUPTS ETC. THE
DATA TERMINAL READY SIGNAL IS WIRED
(VIA THE TEST PLUG) TO THE RECEIVER INPUT.
CHARACTERS ARE SENT TO THE RECEIVER BY TIMED
SEQUENCES OF DATA TERMINAL READY SIGNALS.
THE TRANSMITTER OUTPUT LINE IS WIRED TO
RING INDICATOR, THUS THE LINE MAY BE
MONITORED BY THE PROGRAM TO TEST OUTPUT.

MISC
TEST PLUG WIRING
B52-A78 CARRIER DETECTOR_REQUEST TO SEND
B53-A85 RING INDICATOR_LINE OUTPUT DRIVER
B54-A79 DATA SET READY_DATA TERMINAL READY
B69-A79 RECV INPUT_DATA TERMINAL READY
A81-A78 CLEAR TO SEND_REQUEST TO SEND
LOCATION "ASR37" IS THE ASK 37 FLAG.

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.EOT