TEXT LISTING
068-000397-01

PROGRAM
MULTIPROCESSOR COMMUNICATIONS ADAPTER 4206 DIAG

TEXT TAPE
097-000397-01

ABSTRACT
THIS IS A MAINTENANCE PROGRAM TO TEST AND AID IN DIAGNOSING A 4206 MCA. THE PROGRAM RUNS WITHOUT THE MCA BUS CONNECTED.
**MULTIPROCESSOR COMMUNICATIONS ADAPTER 420A**

**DIAGNOSTIC PROGRAM**

1. **ABSTRACT**
   - This is a maintenance program to test and diagnose a 420A MCA.
   - Runs without the MCA bus connected.

2. **MACHINE REQUIREMENTS**
   - One Nova (except Microfamiy processor)
   - One teletype
   - One 4K read/write memory
   - One 420A MCA board

3. **SWITCH SETTINGS**
   - Starting address: 200
   - Switch 1 ([1)] = PROCEED FROM ERROR
   - Switch 2 ([1] = Eprompt TTY output
   - Switch 3 ([1] = Print failure rate
   - Switch 5 ([1] = Output to LPT
   - Switch 7 ([1] = Mail, allow entry of new device code
   - Via switch register as follows:
     - AC0:50 (XMIT) CODE
     - AC1:NEW (XMIT) CODE

4. **OPERATING PROCEDURE**
   - 14.1 Turn off power on all equipment
   - 14.2 Plug in MCA 420A boards
   - 14.3 Disconnect MCA bus external cables
   - 14.4 Attach terminator to external cable connector
   - 14.5 Turn on power
   - 14.6 Load this program via binary loader on diagnostic
   - 14.7 Operating system
   - 14.8 After depositing a non-zero number in location JMPs
   - If 0, the diagnostic is on the MCA board.
   - 14.9 IF loaded by binary loader, set switches 1 to 200.
   - Press reset.
   - Press start.
   - Allow program to run until "PASS" has
   - Been typed twice or more.

5. **PROGRAM OUTPUT AND ERROR DESCRIPTION**
   - 15.1 If a malfunction is detected program
   - Will halt at location Err=1. AC3 will
   - Contain the location of the error, +1.
   - Examine the listing to determine if other
   - AC contents are important. The operation
   - May change switch settings at this time
   - If desired, if switches 1 and 2 are zero
   - (OFF) pressing continue will cause a TTY printout
   - Of the error location (SRS will cause printout to appear at LPT)
   - Routine will enter a loop suitable for scoping.
   - When the program is in a scope loop, setting
   - Switch 1 will cause the failute biff to re
   - Printed. Setting switch 2 will cause the
   - Program to proceed to the next test.
CHANGING DEVICE CODES

1. START PROGRAM AT LOC 200
2. PROGRAM WILL MALT AND ASK YOU TO SET SWITCHES, IF DEVICE CODES ARE TO BE CHANGED DO THE FOLLOWING:
3. ENTER INTO ACO THE OLD XMITTER CODE
4. ENTER INTO AC1 THE NEW XMITTER CODE
5. PUT SWITCH 7 TO A UE(1)
6. PRESS CONTINUE

THE PROGRAM WILL CHANGE ALL THE PERTINENT DEVICE CODES AND START EXECUTING THE DIAGNOSTIC.

PLEASE NOTE THAT UPON LOADING THE XMITTER HAS