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0.0
        7845 FEATURE (TTY ATTACHMENT) TEST SEQUENCE
            TO TEST THE DEVICE, LOAD AND EXECUTE THE FOLLOWING MAP(S):
             4000 ENTRY MAP.
4001 WRAP MAP.
4002 ECHO TEST MAP, IF A KEYROARD DEVICE IS ATTACHED.
             SEE THIS PROLOG, SECTION 3.0 FOR DESCRIPTION OF EACH MAP.
            FOR ANY 'CHECK' CONDITION (MCK, PCK, PWR/THERM):
1.0 GENERAL INFORMATION:
               MINIMUM CONFIGURATION
    1.1
             THE SERIES/1 MAINTENANCE MATERIAL USES A MINIMUM SYSTEM CONFIGURATION OF:
           1. SERIES/1 PROCESSING UNIT. 3. DISKETTE UNIT. 2. 16K STORAGE. 4. PROGRAMMER OR C E CONSOLE.
    1.2
               LOADING PROCEDURE(S)
             THE MDI MAPS, DIAGNOSTICS, UTILITIES AND EXERCISERS ARE ON DIAGNOSTIC DISKETTE(S).
             SEE MAP 0005 OR THE DISKETTE LABEL FOR THIS INFORMATION
              USE THE STANDARD DCP LOAD METHOD:
IF USING A KEYBOARD CONSOLE, USE 'C' (TO LOAD AND WAIT FOR OPTION SELECTION) OR 'B' (FOR
LOAD AND GO) FOLLOWED BY THE MAP OR PROGRAM I.D.
SEE THE DIAGNOSTIC SERVICE GUIDE 07.00.00.
TO LOAD WITH THE PROGRAMMER OR C E CONSOLE, SEE SECTION 4.1.
    1.3
                MESSAGE FORMAT
            ALTERNATE CONSULE HESSACE :

**** I3CXX MAP=YYYY STEP=ZZZZ ****

ZZZZ = MAP STEP NUMBER

YYYY = MAP NUMBER

HAP NUMBER = THE STOP IS AN MDI OR MAP HALT.
             ALTERNATE CONSOLE MESSAGE FORMAT:
             **** RINE = RRRR CKPT = CCCC ****

DDDD CCCC = INTERNAL ROUTINE NUMBER IN 14000.

INTERNAL CHECKPOINT NUMBER IN THE ROUTINE.
             IF MAP = 3CXX THE STOP IS THE RESULT OF A MDI SUPERVISOR DECISION INSTEAD OF A MAP DECISION. SEE THE MOI HALT LIST IN MAP 0013.
            PROGRAMMER CONSOLE HALT FORMAT (DIAGNOSTIC SERVICE GUIDE 07.01.00).
            THE 'WAIT' LAMP IS ON
THE DATA LAMPS = MAP NUMBER OR MDI OR DCP HALT.
            IN THE LEVEL THREE (3) REGISTERS IS:
                   = MAP STEP NUMBER
= DEVICE ADDRESS AND TYPE.*
= UNIT ADDRESS, IF USED.*
= ADDRESS OF THE FOLLOWING TABLE:*
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ID/DALL = XXLL

* FOR MAP 4002, THE LEVEL THREE (3) REGISTERS ARE:

20N0V81 PN1635066 EC466795 PEC877041 MAP 4000-2

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COMMENTS 1.4

> THE CONFIGURATION TABLE MUST BE CORRECT SO THAT THE MAPS AND OF PROGRAMS WILL EXECUTE WITHOUT ERROR. SEE THIS PROLOG, SECTION 5.1 A SYSTEM LEVEL FAILURE MAY BE SFEN AS A DEVICE FAILURE. ALWAYS STAPT AT THE SYSTEM ENTRY MAP FOR THE BEST RESULT. - GO TO MAP 0020, ENTRY FOINT A. USE THE IBM GENERAL LOGIC PROBE, PART NUMBER 453212, AND THE C E MULTIMETEP, UNLESS THE MAP SAYS TO USE AN OSCILLOSCOPE OR SOME OTHER MULTIMETER.

2.0 SPECIAL TOOL(S) AND DOCUMENT(S):

2.1 SPECIAL TOOL(S)

WRAP CONNECTOR PART NUMBER 1633834.

2.2 DOCUMENT(S):

DIAGNOSTIC SERVICE GUIDE. PROCESSING UNIT THEORY DIAGRAMS MANUAL. PROCESSING UNIT MAINTENANCE INFORMATION MANUAL. SERIES I LOGIC, MLD VOLUME 01. SERIES I INSTALLATION DOCUMENTS.

3.0 PURPOSE:

THE 400X MAPS WILL VERIFY CORRECT OPERATION OR FIND AND ISOLATE TO A FAILING FIELD REPLACEMENT UNIT IN THE TTY ATTACHMENT CARD/CABLE.

AUTO MODE MAPS:

THE DEVICE ENTRY MAP (MAP NUMBER 4000) IS THE FIRST 'AUTO' MODE MAP.
IF A COMPLETE AUTO TEST NEEDS MORE MAPS, MDI WILL AUTOMATICALLY LOAD AND EXECUTE THEM IN
THE CORPECT SEQUENCE
SEE THE DIAGNOSTIC SERVICE GUIDE 05.00.00.

MAP 4000 EXECUTES AND OR CHECKS THE FOLLOWING:

1. ALL COMMANDS TO THE TTY ATTACHMENT CARD.

2. ALL OTO AND INTERUPT CONDITION CODES.

3. EXECUTION OF THE DIAGNOSTIC WRAP COMMAND.

MANUAL MODE MAPS: 3.2

THE FOLLOWING MANUAL MODE MAP(S) DO MORE TEST(S) AND/OR ISOLATE FAILURES FOUND BY THE AUTO MAP 4001 TESTS THE TRANSMIT DRIVERS AND RECEIVERS.
MAP 4002 TESTS THE KEYBOARD IF INSTALLED.
KEYBOARD CHARACTER ENTRIES WILL ECHO PRINT BACK.
SEE THIS FROLOG SECTION 1.3, IF A PROGRAMMER CONSOLE IS THE INPUT/OUTPUT DEVICE.

PAPER ONLY MAPS: 3.3

MAP 4071 USED TO DIAGNOSE AN ERROR FOUND BUT NOT ISOLATED BY THE 4001 AND 4002 MAPS.

3.4 FAILURE ONLY MAPS:

NONE

ATTACHMENT DIAGNOSTICS, UTILITIES, EXERCISERS OR OFF LINE TEST(S) 3.5 NONE

PROGRAMMER'S COMMENTS: 4.0

THIS MAP WILL DISPLAY 'EXPECTED/RECEIVED' DATA ON THE ALTERNATE CONSOLE. SEE THE DIAGNOSTIC SERVICE GUIDE, 05.03.00.

THE 400X MAPS TEST APPROXIMATELY 70% OF THE TTY ATTACHMENT LOGIC. THEY DO NOT CHECK THE FOLLOWING: IT IF CTRCUITS (CONTROLS, REQUESTS, CYCLE STEAL, ETC. 2. DATA RATES AND JUMPER SELECTION. 3. DATA MARK LEVELS AND JUMPER SELECTION.

THE FIELD REPLACEMENT UNITS ARE:

1. FEATURE CODE 7845 TTY ATTACHMENT CARD 2. FEATURE CODE 7845 TTY ATTACHMENT CABLE

LOADING WITH THE PROGRAMMER OR C E MAINTENANCE CONSOLE. 4.1

TO EXECUTE THE MAPS WITH THE PROGRAMMER OR C E MAINTENANCE CONSOLE AS THE INPUT DEVICE,

ENTER ON THE CONSOLE AS FOLLOWS:

(B) B (I) (B) 400X (I) (I) 400X = MAP NUMBER (B) = DATA BUFFER (I) = CONSOLE INTERRUPT

20N0V81 PN1635066 EC466795 PEC877041 MAP 4000-3

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5.0 SERVICE INFORMATION:

CONFIGURATION INFORMATION:

CONFIGURATION TABLE ENTRY FORMAT: TTY ATTACHMENT FEATURE NUMBER 7845, DEVICE TYPE 40 BYTE: 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F

BYTE 00 = DEVICE ADDRESS (DA)
BYTE 02 = DEVICE TYPE (TT)
BYTE 02 BIT 6 = 1 IF CARD/DEVICE IS IN THE COMMON I/O.

BYTE 03 TO 0D = 00 = DEVICE DATA (NONE)
BYTE 06 = 10 = LAST BYTE OF DEVICE ID. (IDID)

EXAMPLE ENTRY:

DEVICE ADDRESS = 00 DEVICE TYPE = 40 DEVICE ID = 0010

BYTE: 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F

TO ADD THE ENTRY FOR THIS ATTACHMENT, DO THE FOLLOWING:

IF THE INPUT/OUTPUT DEVICE HAS A KEYBOARD: GO TO MAP 3881, ENTRY POINT A.

IF THE PROGRAMMER OR C E CONSOLE IS THE INPUT DEVICE: GO TO MAP 3882, ENTRY POINT A.

IF THE OUTPUT DEVICE IS A PRINTER WITH NO KEYBOARD: GO TO MAP 3683, ENTRY POINT A.

NOTE:

WHEN THE BASIC DIAGNOSTIC DISKETTE CONFIGURATION TABLE IS CORRECT:
USE THE CONFIGURATION PROGRAM 38F0, OPTION '00' TO WRITE THE CONFIGURATION TABLE (38F1)
FROM THE BASIC DISKETTE TO THE DIAGNOSTIC, SYSTEM TEST AND RPQ DISKETTE(S) WITH THE SYSTEM.

20N0V81 PN1635066 EC466795 PEC877041 MAP 4000-4

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MAP 4000-5

6.0 DEVICE UTILITIES:

NONE

7.0 DEVICE EXERCISERS:

NONE

8.0 DEVICE DIAGNOSTICS:

NONE

9.0 DEVICE OFF LINE TEST(S):

NONE