TTY ATTACHMENT CARE MAP FEATURE NUMBER 7845 PAGE 1 OF 7

ENTRY POINTS

FROM	ENTER	THIS MAP	
M AP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
0020	A	1	001

001 (ENTRY POINT A)

THIS IS AN MEI 'MANUAL MODE' MAP.
(SEE THE DIAGNOSTIC SERVICE GUIDE 05.00.00).
LOAD AND EXECUTE MAP PROGRAM (84001).
IF CE ACTION IS NEFDED, DCP STOPS AND DISPLAYS MAP # AND STEP #.
SEE THE PAPEF MAP FOR THE C F ACTION TO TAKE.

SEE MLD VOLUME ONE (1). SEE SD105 - TTY ATTACHMENT CARD JUMPERS.

SEE THE JUMPER(S) - 'INPUT SELECTION'.
SEE WHICH INPUT IS SELECTED WITH THE JUMPER(S).
THE JUMPER(S) ARE FROM - 000 TO 111.

SELECTION '000' = CONTACT SENSE CLOSED. SELECTION '100' = CONTACT SENSE OPEN.

CE RESPONSE NECESSARY.

IS THE INPUT SELECTION JUMPERED FOR '000' OR MDI=QUESYN

002 SELECTION '010' = EIA+ MINUS. SELECTION '110' = EIA+ PLUS.

CE RESPONSE NECESSARY.

IS THE INPUT SELECTION JUMFERED FOR '010' OR '110'? MDI=\$QUES Y N

003
THE INPUT SELECTION IS NOT ONE OF THE ABOVE.
GO TO PAGE 4, STEP 013,
ENTRY POINT D.
MDI=\$GOTO, TYPE=INTRNL, EP=D

004
THE INPUT SEIECTION IS JUMPERED FOR '010' OR '110'.
IBM SUPPLIES THE 12V FOR EIA+.
GO TO PAGE 3, STEP 011, ENTRY POINT C.
MDI=\$GOTO, TYPE=INTRNL, EP=C

EXIT POINTS

EXIT THIS MAP | TO

PAGE STEP | MAP ENTRY
NUMBER NUMBER | NUMBER POINT

4 012 | 1470 A
6 027 | 1470 A
7 033 | 4071 A

THIS CHART IS AN AID. USE SD105 FOR THE CORRECT INFORMATION.

INPUT SELECTION	INPUT SELECTED	INPUT =
000 001 010 011 100 101 111	CONTACT SENSE TTL EIA + INTERNAL CONTACT SENSE TTL EIA + INTERNAL	CLOSED = DM* MINUS = DM* INUS = DM* TIME = DO** OPEN = DM* PLUS = DM* PLUS = DM* TIME = DO**
* DM = DATA	MARK **	DO = DATA OUT

A TIY ATTACHMENT CARD MAP

FEATURE NUMBER 7845

PAGE 2 OF 7

O05
SEE THE POWER SUPPLY FOR THIS BCARD.
SEE IF A 12 VDC REGULATOR CARD IS INSTALLED IN THE POWER SUPPLY.

CE RESPONSE NECESSARY.

IS A 12 V REGULATOR CARD INSTALLED IN THE POWER SUPPLY?
MDI=\$QUES
Y N

O06
THE CUSTOMER IS SUPPLYING THE POWER TO THE TTY CARD.
GO TO PAGE 3, SIFP 008, ENTRY POINT B.
MDI=\$GOTO, TYPE=INTRNL, FP=B

O07
SEE MID VOLUME CNE (1).
SEE SD105 - TTY ATTACHMENT CARD JUMPERS.

SEE IF THE JUMPER FOR THE 12 VDC POWER IS INSTALLED ON THE TTY ATTACHMENT CARD.

CE RESPONSE NECESSARY.

IS THE 12 VDC JUMPER INSTALLED ON THE CARD?
MDI=\$QUES
Y N

I I I

```
B C 2
```

ITY ATTACHMENT CARD MAP FEATURE NUMBER 7845 PAGE 3 OF

(ENTRY POINT B)

THE CUSTOMER IS SUPPLYING THE POWER TO THE TTY CARD.
SEE MLD VOLUME ONE (1).
SEE SD105 - TTY ATTACHMENT CARD JUMPERS.

- DISCONNECT THE DEVICE, IF ANY.

DO NOT USE THE WRAP CONNECTOR.
ENSURE JUMPER WIRES (PART NUMBER 829117 OR 2588263) ARE INSTALLED ON THE TTY CARD CONNECTOR

- SEE THE NOTE ---->

OOO - CURRENT LOCP, CURRENT = MARK.
THE POWER SUPPLY TO DRIVE THE TRANSMIT
AND RECEIVE CURRENT LOOPS IS NOT FROM
THE TIY CARD. THERE IS AN EXTERNAL POWER SUPPLY.

- INSTALL JUMPER: A08 TO B08 TO B07 TO A01. - INSTALL JUMPER: B05 TO A03

- SEE THE NOTE ---->

100 - CURRENT LOOP, NO CURRENT = MARK.

THE POWER SUPPLY TO DRIVE THE TRANSMIT AND RECEIVE CURRENT 100FS IS NOT FROM THE TTY CARD.

THERE IS AN EXTERNAL POWER SUPPLY.

- INSTALL JUMPER:
A08 TO B08 TO A07 TO A01.
- INSTALL JUMPER:
E05 TO A03

INSTALL THE JUMPERS AS NOTED ABOVE.

CE RESPONSE NECESSARY.

IS THE ACTION COMPLETE?
MDI=\$QUES
Y N

O09
THE JUMPER (S) ARE NOT INSTAGO TO SIEP 008,
ENTRY POINT B.
MDI=\$GOTC, TYPE=INTRNL, EP=B ARE NOT INSTALLED.

THE JUMPER (S) ARE INSTALLED.
GO TO PAGE 6, STEP 019, ENTRY POINT G.
MDI=\$GOTO, TYPE=INTRNL, EP=G

(ENTRY POINT C)

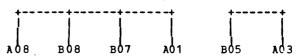
MEASURE THE +12VDC AND -12VDC, FROM THE POWER SUPPLY, AT THE TTY ATTACHMENT CARD POSITION: -12VIC PIN BC6 +12VDC PIN B11

*CE RESPONSE NECESSARY. *

IS +12VDC AND -12VDC PRESENT AT THE CARD POSITION? MDI=\$QUES

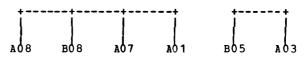
USE A FOUR (4) POINT JUMPER TO TEST THIS CONFIGURATION. STRIP THE INSULATION AT THE CENTER OF TWO (2) JUMPER WIRES. SOLDER THIS PART OF THE TWO JUMPER WIRES TOGETHER. PLACE INSULATED TAPE ON THE WIRE AT THE SOLDER CONNECTION.

INSTALL THE JUMPER (S) AS NOTED FOR 000.



USE A FOUR (4) POINT JUMPER TO TEST THIS CONFIGURATION. STRIP THE INSULATION AT THE CENTER OF TWO (2) JUMPER WIRES. TOGETHER. PLACE INSULATED TAPE ON THE WIRE AT THE SOLDER

INSTALL THE JUMPER (S) AS NOTED FOR 000.



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D E
3 3
```

ITY ATTACHMENT CARD MAP FEATURE NUMBER 7845 PAGE 4 OF 012 A POWER SUPPLY IS NOT CORRECT. GO TO MAP 1470, ENTRY POINT A. MDI=\$FIXT (ENTRY POINT D)

- SEE THE NOTE ---->

SEE MLD VOLUME ONE (1). SEE SD105 - TTY ATTACHMENT CARD JUMPERS.

- DISCONNECT THE DEVICE, IF ANY.

USE THE TTY CARD WRAP CONNECTOR (P/N 1638834) FOR THE THREE COMMON CARD INPUT SELECTIONS. USE JUMPER(S) (F/N 2588263 AND 829117) TO WEAP THE OTHER INPUT SELECTIONS

SEE IF ONE OF THE FOLLOWING INPUT SELECTIONS IS INSTALLED:

OOO CURRENT LOOP, CURRENT = MARK.

THE TTY CARD SUPPLIES FOWER TO DRIVE
THE TRANSMIT AND RECEIVE CURRENT LOOPS.
THERE IS NO EXTERNAL FOWER SUPPLY.

010 EIA, MINUS = MARK.

101 ITL, PIUS = MARK.

CE RESPONSE NECESSARY.

DO YOU HAVE CNE OF THE ABOVE INPUT SELECTIONS? MDI=\$QUES

THE WRAP CONNECTOR IND

JUMPERS.

(1) 000 CURRENT LOOP, CURRENT = MARK.

THE TTY SUPPLIES POWER TO THE TRANSMIT
AND RECEIVE CURRENT LOOPS.

JUMPER - A07 TO A03

(2) 010 EIA, MINUS = MARK.

JUMPER - B06 TO A04

(3) 101 TTL, PLUS = MARK

JUMPER - B07 TO B04 THE WRAP CONNECTOR HAS THE FOLLOWING THREE

11JAN80 PN1635225 EC877041 PEC374888 MAP 4001-4

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TTY ATTACHMENT CARD MAP
                    FEATURE NUMBER 7845
                    FAGE 5 OF 7
   014
  YOU DO NOT HAVE ONE OF THE THREE INPUT SELECTIONS TO USE WITH THE WRAP CONNECTOR P/N 1638834.
   USE JUMPER WIRE(S) P/N 2588263 CR P/N 829117.
   SEE MLD VOIUME ONE (1).
SEE SD105 - TTY ATTACHMENT CARD JUMPERS.
             JUMPER (S)
   USE
                                FOR THE FOLIOWING INPUT
   SELECTIONS.
    001 TTL MINUS = MARK.
JUMPER - A07 TO E04
             CURRENT LCCP, NC CURRENT = MARK.
THE TTY CARD SUPPLIES POWER TO DRIVE
THE TRANSMIT AND RECEIVE CURRENT
             THERE IS NC EXTERNAL POWER SUPPLY.
JUMPER - E07 TO A03
             EIA, PLUS = MARK.
DO EITHER OF THE FOLLOWING:
       (1) CHANGE THE CARD JUMPER(S) TO:
EIA INTERFACE, MINUS = MARK.
              - INSTALL THE WRAP CONNECTOR. - RUN PROGRAM 4001.
             IF TESTING IS COMPLETE:
CHANGE THE CARD JUMPER (S) T
EIA INTERFACE, PLUS = MARK.
                                                          TO:
       (2) DO NCT RUN PROGRAM 4001.
ERRORS ARE SENSED UNLESS THE CARD
INTERFACE IS CHANGED TO:
EIA MINUS = MARK
   INSTALL THE JUMPER (S) AS NOTED ABOVE.
   *CE RESPONSE NECESSARY.*
   IS THE ACTION COMPLETE? MDI=$QUES Y N
      O15
THE JUMPER (S) ARE NOT INSTALLED.
GO TO STEP 014,
ENTRY POINT E.
MDI=$GOTC, TYPE=INTRNL, EP=E
   THE JUMPER (S) ARE INSTALLED.
GO TO PAGE 6, STEP 019, ENTRY PCINT G.
MDI=$GOTO, TYPE=INTRNL, EP=G
(ENTRY POINT F)
INSTALL THE WRAP CONNECTOR P/N 1633834.
*CE RESPONSE NECESSARY.*
IS THE WRAP CONNECTOR INSTALLED? \mbox{\tt MDI} = \mbox{\tt SQUES}
   THE WRAP CONNECTOR IS NOT INSTALLED. GO TO STEP 017, ENTRY POINT F. MDI=$GOTO, TYPE=INTRNL, EP=F
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H
5
                  FEATURE NUMBER 7845
                  PAGE 6 OF 7
(ENTRY POINT G)
IDLE TIME FOR TEST.
MDI = $ TU XX, T4 00 E, 2,0000, EC
  020
  CONTINUE ON THE NEXT STEP. MDI=$NVLD
THE TEST IS CPERATING.
MDI = $TUXX, T4001,02,0000, EQ
  N
  022
ENSURE THE JUMPERS ON THE TTY ATTACHMENT CARE ARE CORRECT.
EXCHANGE THE TTY ATTACHMENT CARD.
THE REPAIR.
MDI=$FIXT
(ENTRY POINT H)
- RECONNECT THE DEVICE, IF ANY.
IS THE DEVICE RECONNECTED?
MDI=$QUES
Y N
*CE RESPONSE NECESSARY.*
  N
  024
THE DEVICE IS NCT CCNNECTED.
GO TO STEP 023, ENTRY POINT H.
MDI=$GOTO, TYPE=INTRNL, EP=H
025
IS THE TEST CORRECT?
MDI=$TUXX,T400F,2,0000,EQ
   026
SEE MLD VOIUME CNE (1).
SD100 - TTY CARD SIGNAL NAMES.
   SEE THE VOLTAGES AT THE TTY ATTACHMENT CARD
   POSITION.
  ARE THE VCLTAGES AT THE TTY ATTACHMENT CARD POSITION CORRECT? WDI=$QUES Y N
     027
REPAIR THE VOLTAGE THAT IS NOT CORRECT.
GO TO MAP 1470, ENTRY POINT A.
MDI=$FIXT
   028
   *CE RESPONSE NECESSARY.*
  IS THE TTY CORRECTLY? MDI=$QUES Y N
                              ATTACHMENT/CABLE
                                                              SEATED
     029
RESEAT THE TIY ATTACHMENT
CORRECTLY.
- VERIFY THE REPAIR.
MDI=$FIXT
                                                        CARD/CABLE
```

TTY ATTACHMENT CARD MAP

IF LOOPING, YOU MAY UNSEAT THE DEVICE CABLE, UNLESS IT IS THE ALTERNATE CONSOLE DEVICE. IF IT IS THIS CONSOLE, ENSURE THE DEVICE CABLE IS CONNECTED.

11JAN80 PN 1635225 EC877041 PEC374888 MAP 4001-6

MAP 4001-7

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J K TTY ATTACHMENT CARD MAP

6 6

FEATURE NUMBER 7845

PAGE 7 OF 7

030
- EXCHANGE THE TTY ATTACHMENT CARD.

ENSURE THE JUMPERS ON THE TTY ATTACHMENT CARD ARE CCRRECT. SEE MLD VCLUME 1 LOGIC SD105 FOR JUMPER INFORMATION.
- VERIFY THE REPAIR.

031
SEE IF THERE IS A REFORTED EFFOR ON THE TTY ATTACHMENT CARD OR TTY DEVICE.

ARE YOU HERE AS A RESULT OF A REPORTED ERROR?
MDI=$QUES
Y N

032
MDI=$STOP

033
THERE IS A REPORTED ERRCE.
REFERENCE THIS STEP IN MAP 4001.
GO TO MAP 4071, ENTRY POINT A.
MDI=$FIXT
```