

FEAT#2074/2075

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ENTRY POINTS

ENTER THIS MAP			
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
F003	A	1	001

EXIT POINTS

EXIT THIS MAP		TO	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
7	066	F007	A
7	070	F007	A
7	072	F007	A
8	076	F007	A
8	080	F007	A
1	003	1470	A
2	013	1470	A
3	022	1470	A

001
(ENTRY POINT A)

DO NOT LOAD THIS MAP. IT NEEDS DATA PASSED FROM MAP F003. LOAD MAP F003.

RESET DEVICE
RESULTS=4?
MDI=\$TUXX,TF051,2,0004,EQ
Y N

002
CHECK VOLTAGE AT THE FAILING CARD, SEE CHART

VOLTAGE	PIN
+5V	D03,J03 P03,U03
GROUND	D08,J08 P08,U08

CE RESPONSE NECESSARY.
VOLTAGES GOOD?
MDI=\$QUES
Y N

003
VOLTAGE MISSING, GO TO POWER MAP
GO TO MAP 1470, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,EP=A,MAP=1470

004
RESET ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

005
(ENTRY POINT C)

SET INTERRUPT POINTER FOR DCP
RESULT=0?
MDI=\$TUXX,TF053,2,0000,EQ
Y N

006
SET INTERRUPT POINTER ERROR GOTO MAP 0070
MDI=\$FIXT

007
PREPARE TO LEVEL 0
RESULTS=0?
MDI=\$TUXX,TF052,2,0000,EQ,PLNG=4,PARM=0001
Y N

008
OIO CC ERR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

009
TEST INTERRUPT
RESULTS=0?
MDI=\$TUXX,TF050,2,0000,EQ
Y N

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010
TEST FOR LOST INTERRUPT
RESULTS=4?
MDI=\$TUXX,TF049,2,0004,EQ
Y N

011
INTERRUPT ERROR,EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

012
CHECK VOLTAGE AT FAILING CARD, SEE CHART

VOLTAGE	PIN
+8.5V	G11
GROUND	DC8, J08 P08, U08

CE RESPONSE NECESSARY.
VOLTAGE GOOD?
MDI=\$QUES
Y N

013
VOLTAGE MISSING, GO TO POWER MAP
GO TO MAP 1470, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,EP=A,MAP=1470

014
NO INTERRUPT,EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

015
READ STATUS
RESULTS=0?
MDI=\$TUXX,TF044,2,0000,EQ
Y N

016
CYCLE STEAL STATUS ERROR,EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

017
(ENTRY POINT D)
DISCONNECT THE MODEM END OF THE MODEM CABLE
AND INSERT INSERT WRAP CONNECTOR PN 1633810
FOR W.E. 303 OR 1633812 FOR V.35

CE RESPONSE NECESSARY.
IS WRAP CONNECTOR INSTALLED?
MDI=\$QUES
Y N

018
WRAP CONNECTOR NOT INSTALLED
GO TO STEP 017, ENTRY POINT D.
MDI=\$GOTO,TYPE=INTRNL,EP=D

019
ENABLE TERMINAL
RESULTS=0?
MDI=\$TUXX,TF046,2,0000,EQ,PLNG=4,PARM=C003
Y N

020
TEST FOR LOST INTERRUPT
RESULTS=4?
MDI=\$TUXX,TF049,2,0004,EQ
Y N

3 3 3
C D E

021
CHECK VOLTAGE, SEE CHART

VOLTAGE	PIN
+12	B11
-12	B06

CE RESPONSE NECESSARY.
VOLTAGE GOOD?
MDI=\$QUES
Y N

022
VOLTAGE MISSING, GO TO POWER MAP
GO TO MAP 1470, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,EP=A,MAP=1470

023
ENABLE ERROR,GO CHECK MODEM CABLE
GO TO PAGE 6, STEP 053,
ENTRY POINT CC.
MDI=\$GOTO,TYPE=INTRNL,EP=CC

024
LOST INTERRUPT,EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

025
DIAGNOSTIC 2 COMMAND
RESULTS=0?
MDI=\$TUXX,TF040,2,0000,EQ
Y N

026
TEST FOR LOST INTERRUPT
RESULTS=4?
MDI=\$TUXX,TF049,2,0004,EQ
Y N

027
TEST FOR GOOD DTR/DSR WRAP
RESULTS=6?
MDI=\$TUXX,TF049,2,0006,EQ
Y N

028
TEST FOR GOOD RIS/CTS WRAP
RESULTS=7?
MDI=\$TUXX,TF049,2,0007,EQ
Y N

029
TEST FOR GOOD DATA WRAP
RESULTS=8?
MDI=\$TUXX,TF049,2,0008,EQ
Y N

030
TEST SET OF BUFFER SERVICE LATCH
RESULTS=9?
MDI=\$TUXX,TF049,2,0009,EQ
Y N

031
TEST SET OF TRANSMIT MODE LATCH
RESULTS=10?
MDI=\$TUXX,TF049,2,000A,EQ
Y N

032
TEST FOR BYTE MODE FAILURE
RESULTS=12?
MDI=\$TUXX,TF049,2,000C,EQ
Y N

033
TEST FOR INTERRUPT ERROR
RESULTS=2?
MDI=\$TUXX,TF049,2,0002,EQ
Y N

TEST FOR INTERRUPT ERROR

034
BIT 4 OF DIAGNOSTIC WORD ON WITH NO
CLOCK AVAILABLE, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

035
INTERRUPT ERROR ON DIAGNOSTIC COMMAND,
EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

036
BYTE MODE FAILURE, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

037
TRANSMIT MODE LATCH DID NOT SET, EXCHANGE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

038
BUFFER SERVICE LATCH DID NOT SET, EXCHANGE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

039
TEST FOR V.35 INTERFACE
RESULT=0?
MDI=\$TUXX,TF041,2,0000,EQ,PLNG=4,PARM=0021
Y N

TEST FOR V.35 INTERFACE

040
CHECK MODEM CABLE TRANSMIT DATA AND RECEIVE
DATA LINES FOR CONTINUITY, SEE CHART

FROM CARD	TO MODEM	LINE NAME
A12	(Y)	XMIT DATA
B12	AA	XMIT DATA
A11	R	RECEIVE DATA
B11	T	RECEIVE DATA

CE RESPONSE NECESSARY.
CABLE GOOD?
MDI=\$QUES
Y N

041
TRANSMIT DATA/RECEIVE DATA WRAP FAILURE,
REPAIR/EXCHANGE THE MODEM CABLE
VERIFY THE REPAIR.
MDI=\$FIXT

J M N
3 4 4

BSCA DIAGNOSTIC PART 3

MAP F005-5

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042
TRANSMIT DATA/RECEIVE DATA WRAP FAILURE,
EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

043
CHECK MODEM CABLE TRANSMIT DATA AND RECEIVE
DATA LINES FOR CONTINUITY, SEE CHART

FROM CARD	TO MODEM	LINE NAME
A06	K	XMIT DATA
A07	E	RECEIVE DATA

CE RESPONSE NECESSARY.
CABLE GOOD?
MDI=\$QUES
Y N

044
TRANSMIT DATA/RECEIVE DATA WRAP FAILURE,
REPAIR/EXCHANGE THE MODEM CABLE
VERIFY THE REPAIR.
MDI=\$FIXT

045
TRANSMIT DATA/RECEIVE DATA WRAP FAILURE,
EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

046
TEST FOR V.35 INTERFACE
RESULT=0?
MDI=\$TUXX,TFO41,2,0000,EQ,PLNG=4,PARAM=0021
Y N

TEST FOR V.35 INTERFACE

047
CHECK MODEM CABLE RTS AND CTS LINES FOR
CONTINUITY

FROM CARD	TO MODEM	LINE NAME
B04	C	RTS
B05	D	CTS

CE RESPONSE NECESSARY.
CABLE GOOD?
MDI=\$QUES
Y N

048
RTS/CTS WRAP FAILURE,REPAIR/EXCHANGE THE
MODEM CABLE
VERIFY THE REPAIR.
MDI=\$FIXT

049
RTS/CTS WRAP FAILURE,REPAIR/EXCHANGE THE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

050
CHECK THE MODEM CABLE RTS AND CTS LINES FOR
CONTINUITY

FROM CARD	TO MODEM	LINE NAME
A01	D	RTS
A02	C	CTS

CE RESPONSE NECESSARY.
CABLE GOOD?
MDI=\$QUES
Y N

051
RTS/CTS WRAP FAILURE, REPAIR/EXCHANGE MODEM
CABLE
VERIFY THE REPAIR.
MDI=\$FIXT

16JUL79 PN1635173

EC375465 PEC375135

MAP F005-5

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052
RTS/CTS WRAP FAILURE, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

053
(ENTRY POINT CC)
TEST FOR V.35 INTERFACE
RESULT=0?
MDI=\$TUXX,TF041,2,0000,EQ,PLNG=4,PARM=0021
Y N

TEST FOR V.35 INTERFACE

054
CHECK THE MODEM CABLE DTR AND DSR LINES
FOR CONTINUITY

FROM CARD	TO MODEM	LINE NAME
B07	E	DTR
A03	B	+5V

CE RESPONSE NECESSARY.
CABLE GOOD?
MDI=\$QUES
Y N

055
DTR/DSR WRAP FAILURE,REPAIR/EXCHANGE
THE MODEM CABLE
VERIFY THE REPAIR.
MDI=\$FIXT

056
DTR/DSR WRAP FAILURE,REPAIR/EXCHANGE THE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

057
CHECK THE MODEM CABLE +5V AND DSR LINES
FOR CONTINUITY

FROM CARD	TO MODEM	LINE NAME
A03	B	+5V
A04	F	DSR

CE RESPONSE NECESSARY.
CABLE GOOD?
MDI=\$QUES
Y N

058
DTR/DSR WRAP FAILURE, REPAIR/EXCHANGE
MODEM CABLE
VERIFY THE REPAIR.
MDI=\$FIXT

059
DTR/DSR WRAP FAILURE, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

060
(ENTRY POINT AA)
LOST INTERRUPT, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

061
RESET DEVICE
RESULTS=4?
MDI=\$TUXX,TF051,2,0004,EQ
Y N

RESET DEVICE

062
RESET ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

Q
6

063
(ENTRY POINT F)
CONNECT COMMUNICATIONS INDICATOR PANEL TO
CONTROLLER CARD AT TOP CARD CONNECTOR J2, AND
SET SWITCHES TO 11100000

CONNECT COMMUNICATIONS INDICATOR PANEL TO
CONTROLLER CARD AT TOP CARD CONNECTOR J2, AND
SET SWITCHES TO 11100000

CE RESPONSE NECESSARY.
PANEL CONNECTED, AND SWITCHES SET?
MDI=\$QUES
Y N

064

GO TO STEP 063, ENTRY POINT F.
MDI=\$GOTO,TYPE=INTRNL,EP=F

065
CHECK INDICATOR PANEL LAMPS

CE RESPONSE NECESSARY.
ARE ALL LAMPS ON?
MDI=\$QUES
Y N

066

GO TO MAP F007, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,MAP=F007,EP=A

067
(ENTRY POINT G)
SET INDICATOR PANEL SWITCHES TO 10101010

SET INDICATOR SWITCHES FOR TEST

CE RESPONSE NECESSARY.
SWITCHES SET TO HEXADECIMAL AA?
MDI=\$QUES
Y N

068

GO TO STEP 067, ENTRY POINT G.
MDI=\$GOTO,TYPE=INTRNL,EP=G

069
CHECK INDICATOR PANEL LAMPS

CE RESPONSE NECESSARY.
ARE ALL LAMPS OFF?
MDI=\$QUES
Y N

070

GO TO MAP F007, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,MAP=F007,EP=A

071
COMMUNICATIONS INDICATOR PANEL TEST
RESULTS=0?
MDI=\$TUXX,T F026,2,0000,EQ,PLNG=4,PARM=AA00
Y N

TEST SWITCHES = AA

072

GO TO MAP F007, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,MAP=F007,EP=A

073
(ENTRY POINT H)
SET INDICATOR PANEL SWITCHES TO 11111111

SET INDICATOR SWITCHES FOR TEST

CE RESPONSE NECESSARY.
SWITCHES SET TO HEXADECIMAL FF?
MDI=\$QUES
Y N

074

GO TO STEP 073, ENTRY POINT H.
MDI=\$GOTO,TYPE=INTRNL,EP=H

8
R

R
7

BSCA DIAGNOSTIC PART 3

MAP F005-8

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075
COMMUNICATIONS INDICATOR PANEL TEST TEST INDICATOR PANEL SWITCHES= FF
RESULTS=0?
MDI=\$TUXX,TF026,2,0000,EQ,PLNG=4,PARM=FF00
Y N

076
GO TO MAP F007, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,MAP=F007,EP=A

077
(ENTRY POINT J) RELEASE SWITCH CONTROL OF DTR
SET INDICATOR PANEL SWITCHES TO 00000000

CE RESPONSE NECESSARY.
SWITCHES 00?
MDI=\$QUES
Y N

078
GO TO STEP 077, ENTRY POINT J.
MDI=\$GOTO,TYPE=INTRNL,EP=J

079
COMMUNICATIONS INDICATOR PANEL TEST TEST SWITCHES ALL 00
RESULTS=0?
MDI=\$TUXX,TF026,2,0000,EQ,PLNG=4,PARM=0000
Y N

080
GO TO MAP F007, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,MAP=F007,EP=A

081
NO FAILURE FOUND WITH ADAPTER OR CABLE,
SUSPECT MODEM INTERFACE. SEE NOTE

MDI=\$FIXT

NOTE:
THE TRANSMIT AND RECEIVE CLOCK LINES
ARE NOT TESTED

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