

SINGLE LINE BSCA ENTRY MAP

MAP F000-1

FEAT#2074/2075

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ENTRY POINTS

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

EXIT POINTS

EXIT THIS MAP		TO	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
5	051	F001	A
1	004	FC03	A
2	010	F003	A
3	032	FC03	A

001
(ENTRY POINT A)

THIS IS AN MDI 'AUTO MODE' MAP (SEE DIAGNOSTIC SERVICE GUIDE 05.00.00). TO USE IT IN MANUAL MODE: LOAD AND EXECUTE THE MAP PROGRAM (BXXXX WHERE XXXX=MAP#). NO CE RESPONSE IS NEEDED. IF A FAILURE IS FOUND THE PROGRAM IDENTIFIES THE FAILING FIELD REPLACEMENT UNIT(S) OR LOADS ONE OR MORE 'MANUAL MODE' MAPS AND EXECUTES UNTIL A FIELD REPLACEMENT UNIT(S) CAN BE IDENTIFIED, OR UNTIL CE ACTION IS NEEDED. (SEE DIAGNOSTIC SERVICE GUIDE 05.01.00).

IF THE 'LOOP STEP TO STEP' OPTION IS USED IN THIS MAP THE LOOP MUST INCLUDE STEP 001. ALL STEPS NEED STEP 001 FOR SETUP.

CONNECT INTERRUPT POINTER FOR DCP
RESULT=0?

MDI=\$TUXX,TF00F,2,0000,EQ

Y N

002
CONNECT INTERRUPT POINTER ERROR GO TO
MAP0070
MDI=\$FIXT

003
DEVICE RESET
RESULT=4?

MDI=\$TUXX,TF001,2,0004,EQ

Y N

004
RESET FAILURE
GO TO MAP F003
GO TO MAP F003, ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,EP=A,MAP=F003

005
READ ID COMMAND
ID=/1006?

MDI=\$TUXX,TF002,2,0000,EQ,PLNG=4,PARAM=1006

Y N

006
ID NOT /1006, VERIFY ID, IF CORRECT EXCHANGE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

007
PREPARE THE ADAPTER WITH THE I BIT OFF, BSCA
ADAPTER PREPARATION FOR TESTING OF INTERRUPT
AND BUSY CONDITION CODES
RESULTS=4?

MDI=\$TUXX,TF003,2,0004,EQ,PLNG=4,PARAM=0000

Y N

008
PREPARE WITH THE I BIT OFF ERROR, EXCHANGE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

009
ASCII COMMAND

WAIT FOR POSSIBLE INTERRUPT
RESULTS=4?
MDI=\$TUXX,TF005,2,0004,EQ,PLNG=09,
PARM=0008/0007
Y N

010
INTERRUPT WITH INTERRUPT BIT OFF
GO TO MAP F003
GO TO MAP F003, ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,EP=A,MAP=F003

011
ANOTHER ASCII COMMAND, FOR BUSY CONDITION CODE
TEST
RESULTS=4?
MDI=\$TUXX,TF005,2,0004,EQ,PLNG=09,
PARM=0008/0001
Y N

OIO CC 1 TEST,DEVICE BUSY

012
FAILED TO SET BUSY, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

013
DEVICE RESET
RESULT=4?
MDI=\$TUXX,TF001,2,0004,EQ
Y N

DEVICE RESET

014
DEVICE RESET ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

015
ASCII COMMAND WITH TIMER
RESULTS=4?
MDI=\$TUXX,TF006,2,0004,EQ,PLNG=9,
PARM=0008/0007
Y N

PREPARATION FOR BUSY CONDITION CODE=1

016
INTERRUPT WITH INTERRUPT BIT OFF EXCHANGE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

017
ASCII COMMAND

WAIT FOR POSSIBLE INTERRUPT
RESULTS=4?
MDI=\$TUXX,TF005,2,0004,EQ,PLNG=09,
PARM=0008/0001
Y N

018
INTERRUPT WITH INTERRUPT BIT OFF, EXCHANGE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

019
OIO RESET FOLLOWED BY A READ ID COMMAND
RESULT=4?
MDI=\$TUXX,TF007,2,0004,EQ
Y N

SET UP FOR BUSY AFTER RESET TEST CC=2

020
BUSY AFTER RESET, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

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021
 READ 0 NOT VALID COMMAND
 RESULTS=1?
 MDI=\$TUXX,TF008,2,0001,EQ
 Y N

022
 COMMAND REJECT FAIL, EXCHANGE CARD
 VERIFY THE REPAIR.
 MDI=\$FIXT

023
 READ STATUS WITH NOT VALID MODIFIER OF F
 RESULTS=1?
 MDI=\$TUXX,TF009,2,0001,EQ
 Y N

TEST FOR BUSY AFTER RESET CC= 2

024
 COMMAND REJECT FAIL, EXCHANGE CARD
 VERIFY THE REPAIR.
 MDI=\$FIXT

025
 CONTROL WITH A MODIFIER OF 1
 RESULT=1?
 MDI=\$TUXX,TF00C,2,0001,EQ,PLNG=4,PARM=0001
 Y N

NOT VALID CONTROL COMMAND

026
 NOT VALID CONTROL NOT CC3, EXCHANGE CARD
 VERIFY THE REPAIR.
 MDI=\$FIXT

027
 OIO RESET FOLLOWED IMMEDIATELY BY A PREPARE
 WITH THE I BIT OFF
 RESULT=4?
 MDI=\$TUXX,TF030,2,0004,EQ
 Y N

TEST FOR PPREPARE COMMAND OVERRIDING
 THE BUSY AFTER RESET CONDITION

028
 NOT VALID CONTROL NOT CC3, EXCHANGE CARD
 VERIFY THE REPAIR.
 MDI=\$FIXT

029
 PREPARE LEVEL 2

NO INTERRUPT SHOULD OCCUR HERE BECAUSE OF TO
 PRECEDING RESET

RESULTS=4?
 MDI=\$TUXX,TF003,2,0004,EQ,PLNG=4,PARM=0021
 Y N

030
 NO INTERRUPT EXPECTED EXCHANGE CARD
 VERIFY THE REPAIR.
 MDI=\$FIXT

031
 ASCII COMMAND
 RESULTS=0?
 MDI=\$TUXX,TF005,2,0000,EQ,PLNG=9,
 PARM=0003/0007
 Y N

TEST INTERRUPT LEVEL 2

032
 INTERRUPT LEVEL 2 TEST FAILED
 GO TO MAP F003
 GO TO MAP F003, ENTRY POINT A.
 MDI=\$CALL,TYPE=XTRNL,EP=A,MAP=F003

033
 RESET
 RESULTS=4?
 MDI=\$TUXX,TF001,2,0004,EQ
 Y N

034
 INPUT/OUTPUT RESET ERROR, EXCHANGE CARD
 VERIFY THE REPAIR.
 MDI=\$FIXT

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035
ASCII COMMAND TEST INTERRUPT LEVEL 2, AFTER RESET
RESULTS=0?
MDI=\$TUXX,TF005,2,0000,EQ,PLNG=9,
PARM=0003/0007
Y N

036
FAILED TO RETURN CORRECT INTERRUPT, EXCHANGE
CARD
VERIFY THE REPAIR.
MDI=\$FIXT

037
PREPARE TO LEVEL 1 PREPARE TO LEVEL 1
RESULTS=4?
MDI=\$TUXX,TF003,2,0004,EQ,PLNG=4,PARM=0011
Y N

038
OIO CC ERR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

039
ASCII COMMAND TEST INTERRUPT LEVEL 1
RESULTS=0?
MDI=\$TUXX,TF005,2,0000,EQ,PLNG=9,
PARM=0003/0007
Y N

040
INTERRUPT LEVEL 1 TEST FAILED EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

041
PREPARE TO LEVEL 0 PREPARE TO LEVEL 0
RESULTS=4?
MDI=\$TUXX,TF003,2,0004,EQ,PLNG=4,PARM=0001
Y N

042
OIO CC ERR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

043
ASCII COMMAND TEST INTERRUPT LEVEL 0
RESULTS=0?
MDI=\$TUXX,TF005,2,0000,EQ,PLNG=9,
PARM=0003/0007
Y N

044
INTERRUPT LEVEL 0 TEST FAILED EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

045
DIAGNOSTIC 1 DCB DIAGNOSTIC, FIRST CYCLE STEAL INTO PROCESSING
RESULTS=0? UNIT OPERATION
MDI=\$TUXX,TF00E,2,0000,EQ
Y N

046
DIAGNOSTIC ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

047
START CYCLE STEAL STATUS
RESULTS=0?
MDI=\$TUXX,TF012,2,0000,EQ
Y N

048
FAILED START CYCLE STEAL STATUS
COMMAND, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

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MAP F000-5

049
TEST RESULTS OF DIAGNOSTIC 1 COMMAND

RESIDUAL ADDRESS MUST BE EQUAL TO DIAGNOSTIC
BUFFER ADDRESS +7

RESULTS=0?
MDI=\$TUXX,TF019,2,0000,EQ
Y N

050
RESIDUAL ADDRESS ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

051
END OF MAP F000, GO TO MAP F001
GO TO MAP F001, ENTRY POINT A.
MDI=\$GOTO,TYPE=XTRNL,EP=A,MAP=F001