

SINGLE LINE BSCA AUTO DIAGNOSTIC

MAP F002-1

FEAT#2074/2075

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ENTRY POINTS

FROM	ENTER THIS MAP
MAP NUMBER	ENTRY POINT NUMBER STEP NUMBER
F001	A 1 001

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

N

002

CONNECT INTERRUPT POINTER ERROR GO TO MAP 0070
MDI=\$FIXT

003

DEVICE RESET

DEVICE RESET

F001

RESULT=4?
MDI=\$TUXX,TF001,2,0004,EQ

N

004

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

005

PREPARE TO LEVEL 0

PREPARE TO LEVEL 0

RESULTS=4?

MDI=\$TUXX,TF003,2,0004,EQ,PLNG=4,PARM=0001

N

006

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

007

TIMEP FOLLOWED BY HALT COMMAND

TEST FOR HALT TO RESET ADAPTER

RESULT=4?

MDI=\$TUXX,TF027,2,0004,EQ

N

008

HALT COMMAND ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

009

RECEIVE WITH ODD-NUMBERED DCB ADDRESS

TEST FOR DELAYED DCB REJECT

RESULTS=0?

MDI=\$TUXX,TF018,2,0000,EQ,PLNG=4,PARM=4000

N

010

DELAYED COMMAND REJECT ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

011

RECEIVE DCB WITH ODD-NUMBERED CHAIN ADDRESS

TEST FOR DCB SPECIFICATION CHECK WITH ODD-NUMBERED CHAIN ADDRESS

RESULTS=0?

MDI=\$TUXX,TF01D,2,0000,EQ,PLNG=4,PARM=1000

N

012

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

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A
1

013
START CYCLE STEAL STATUS WITH BYTE COUNT =8
RESULTS=0?
MDI=\$TUXX;TF021,2,0000,EQ,PLNG=4,PARM=1000
Y N

TEST FOR DCB SPECIFICATION CHECK WITH HIGH
BYTE COUNT

014
INTERRUPT ERROR EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

015
START CYCLE STEAL STATUS WITH ODD-NUMBERED
DATA ADDRESS
RESULTS=0?
MDI=\$TUXX;TF01F,2,0000,EQ,PLNG=4,PARM=1000
Y N

TEST FOR DCB SPECIFICATION CHECK WITH
ODD-NUMBERED DATA ADDRESS

016
INTERRUPT ERROR EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

017
RECEIVE WITH A BYTE COUNT = 0
RESULT=0?
MDI=\$TUXX;TF01E,2,0000,EQ,PLNG=4,PARM=1000
Y N

TEST FOR DCB SPECIFICATION CHECK RECEIVE &
BYTE COUNT= 0

018
INTERRUPT ERROR EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

019
CYCLE STEAL TO HIGH STORAGE ADDRESS
RESULT= 0?
MDI=\$TUXX;TF028,2,0000,EQ
Y N

VERIFY ABILITY TO ACCESS MAX STORAGE

020
TEST FOR BAD STORAGE ACCESS
RESULTS=5?
MDI=\$TUXX;TF049,2,0005,EQ
Y N

TEST FOR BAD STORAGE ACCESS

021
IMPROPER STORAGE DEFINED
RESULTS=6?
MDI=\$TUXX;TF049,2,0006,EQ
Y N

CHECK CONFIGURATION TABLE STORAGE SIZE

022
UNEXPECTED ERROR, RUN F000 MAPS
MDI=\$FIXT

023
STORAGE IMPROPERLY DEFINED, CHECK
CONFIGURATION TABLE
MDI=\$FIXT

024
STORAGE ACCESS ERROR, EXCHANGE ADAPTER
VERIFY THE REPAIR.
MDI=\$FIXT

025
RESET COMMAND

RESET THE ADAPTER, NOW COMPLETE WITH THE MAPS
THAT CAN BE PERFORMED WITHOUT INSERTING A WRAP
CONNECTOR

RESULT= 4?
MDI=\$TUXX;TF001,2,0004,EQ
Y N

026
RESET ERROR, EXCHANGE CARD
VERIFY THE REPAIR.
MDI=\$FIXT

027
END OF GOOD AUTO RUN.
FOR ADDITIONAL TESTING, EXECUTE MANUAL MODE
MAP F003
MDI=\$STOP