

MAINDEC-11-09H.

NEW NUMBER = DZQGA

## ABSTRACT

This program is an interactive bus exerciser for a paper tape oriented PDP-11. It performs a test of instructions and concurrent operations of I/O equipment simultaneously. It may also perform the same operation independently. This program is not to be considered a total check of the system. If an error is detected in an I/O device, it will probably be necessary to correct the malfunction with the respective diagnostic for that device.

REQUIREMENTS = PDP-11 and 8K of memory.

OPTION HARDWARE THAT THE PROGRAM WILL EXERCISE OR INTERACT WITH:

AA11	DAC/W/SCOPE	KE11	EAE OPTION
AD01	A/D	KG11	CRC OPTION
AFC11	A/D MUX	KL11	ASR33,35 (VT05,VT06,LC11)
BM792YA	PAPER TAPE BOOT	KW11-L	LINE CLOCK
BM792YB	MASS STORAGE BOOT	KW11-P	PROG CLOCK
CD11	CARD RDR (NPR)	LP11	LINE PRINTER
CM11	CARD RDR (BR)	MM11	UP TO 28KW MEMORY
CR11	CARD RDR (RB)	MR11	BULK STORAGE BOOT
DC11	ASYNC LINE UNIT	PC11	HSP/HSR
DM11	ASYNC LINE MUX	RC11	FIXED HEAD DISK
DM11BR	MODEM CONT MUX	RF11	FIXED HEAD DISK
DN11	DIGITAL DIALER	RK11	CARTRIDGE DISK
DP11	SYNC LINE UNIT	RP11	DISK PACK
DR11A	DEV INTERFACE (BR)	TC11	DECTAPE
DR11B	DEV INTERFACE (NPR)	TM11	MAGNETIC TAPE
DR11C	DEV INTERFACE (BR)	UDC11	UNIVERSAL DIGITAL CONT
DT11	BUS SWITCH	VR20	2 COLOR SCOPE

STORAGE = 0 - 37476

LOADING = Absolute Loader

EXECUTION TIME = Varies with core size and number of devices.  
 \* Bell will ring = 8KW = about 5 min, for two bells.

STARTING PROCEDURE = Start at 200 (SW=0 runs processor test only = all of core).

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

SW15 = HALT ON ERROR  
 SW14 = SCOPE LOOP  
 SW13 = INHIBIT PRINTOUT  
 SW12 = INHIBIT TRACE TRAPPING

SW11 = INHIBIT ITERATION LOOP  
 SW12 = INHIBIT PROCESSOR TEST  
 SW 9 = INHIBIT MEMORY  
 SW 8 = ISOLATION BY DROPOUT  
 SW 7 = SWITCH ERROR MESSAGE TO HIGH SPEED PUNCH  
 SW 6 = RESTART PROGRAM ON ERROR

DEVICE INHIBIT SWITCHES = SW = 1, INHIBIT DEVICE

SWITCH	AFTER ADRS LOAD	AFTER 1ST HALT	AFTER 2ND HALT
0	DT11	DC11 #1	KG11
1	MULTI-PROC	DC11 #2	CD11
2	PC11 HSP	AA11	DR11A,C
3	PC11 HSR	AFC11	DM11BB
4	KW11-L	RK11	VR20
5	CR11,CM11	DR11-B	RESERVED
6	KW11-P	KE11	RESERVED
7	LP11 (RESTR 600)	AD01	RESERVED
8	FACTORY USE ONLY	RP11	RESERVED
9	FACTORY USE ONLY	FACTORY USE ONLY	RESERVED
10	RF11	DN11	RESERVED
11	UDC11	TM11	RESERVED
12	RC11	M792YA	RESERVED
13	TC11	M792YB,MR11	RESERVED
14	KL11 IN	DP11	RESERVED
15	KL11 OUT	DM11	RESERVED