

TRIAL PROGRAM
MD-11-DZDQG-A

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DZDQGA.P11 DQ11 MANUAL PARAMETER INPUT PROGRAM.

IDENTIFICATION

PRODUCT CODE: MAINDEC-11-DZDQG-A-0
PRODUCT NAME: DQ11 TRIAL PROGRAM (PARAMETER INPUT)
DATE: JUNE 1973
MAINTAINER: . DIAGNOSTICS
AUTHOR: JOHN EGOLF

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1. ABSTRACT

SINCE THE DQ11 HAS MANY VARIATIONS AND IT IS THE INTENT OF ALL THE DIAGNOSTICS TO RUN MULTIPLE DEVICES CONFIGURED DIFFERENTLY OR ALIKE; THE PROGRAM MUST RECEIVE INFORMATION ON THE CONFIGURATION OF EACH DQ11, THE CSRS, AND THE VECTORS FOR ALL DQ11S. THE PROGRAMS WERE WRITTEN TO ALLOW THE GREATEST FLEXIBILITY IN CONFIGURATION POSSIBLE; BUT TO GET THE INFORMATION NEEDED TO RUN THE PROGRAMS WAS A PROBLEM.

THERE ARE TWO WAYS PROVIDED TO SUPPLY NEEDED INFORMATION FOR DIAGNOSTICS:

- 1: ON THE INITIAL START OF ANY DQ11 DIAGNOSTIC IF SW07=0 THE PROGRAM WILL *AUTO SIZE* FOR DQ11S AND THEIR OPTIONS. (THIS WILL WORK GREAT IF THE DQ11 ARE OPERATING WELL ENOUGH TO RESPOND TO THE SIZING TESTS.
- 2: IF THE DQ11 IS SO BROKEN THAT IT WILL NOT RESPOND TO AUTO SIZING THE SECOND METHOD IS USED. THIS PROGRAM ALLOWS THE USER TO TYPE IN THE INFORMATION ABOUT THE CONFIGURATION TO ALERT THE DIAGNOSTIC OF THE SYSTEM.
 NOTE AFTER RUNNING THIS PROGRAM AND SUPPLYING THE INFORMATION SW07 MUST BE SET (=1) WHEN ALL THE DIAGNOSTICS ARE INITIALLY STARTED!

AFTER THIS PROGRAM HAS BEEN RUN THERE IS NO REASON TO RUN IT AGAIN UNLESS

- 1: DQ11 CONFIGURATION IS CHANGED
- 2: DIAGNOSTICS OTHER THAN DQ11 DIAGNOSTIC WERE RUN.
- 3: MEMORY WAS ALTERED FOR SOME REASON.

THIS PROGRAM BUILDS A TABLE STARTING AT ADD. 1400 ALL DQ11 DIAGNOSTICS REFERENCE THIS TABLE FOR INFORMATION. YOU DON'T HAVE TO RUN THIS PROGRAM FOR EACH SINGLE RUNNING OF THE DIAGNOSTICS. ONLY IF THE ABOVE 3 WERE VIOLATED.

2. REQUIREMENTS

PDP-11 FAMILY PROCESSOR
 ASR 33 OR EQUIVALENT
 AT LEAST 4K OF MEMORY

3. STARTING PROCEDURE

LOAD PROGRAM INTO CORE LIKE ANY PROGRAM.
 LOAD AND START ADD. 000200
 ANSWER ALL QUESTIONS NOTE: ANY NUMBERS USED ARE *OCTAL*

[illegible]

R0=%0	: GENERAL REGISTER
R1=%1	: GENERAL REGISTER
R2=%2	: GENERAL REGISTER
R3=%3	: GENERAL REGISTER
R4=%4	: GENERAL REGISTER
R5=%5	: GENERAL REGISTER
SP=%6	: PROCESSOR STACK POINTER
PC=%7	: PROGRAM COUNTER

```
177570      SWR=177570      ;CONSOLE SWITCH REGISTER
177570      LIGHTS=177570  ;PDP-11/45 DISPLAY REGISTER
177776      PS=177776     ;PROCESSOR STATUS WORD
001200      STACK=1200    ;START OF PROCESSOR STACK
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005746	PUSH1SP=5746	; DECREMENT PROCESSOR STACK 1 WORD
005726	POP1SP=5726	; INCREMENT PROCESSOR STACK 1 WORD
010046	PUSHRO=10046	; SAVE RO ON STACK
012600	POPRO=12600	; RESTORE RO FROM STACK
024646	PUSH2SP=24646	; DECREMENT STACK TWICE
022626	POP2SP=22626	; INCREMENT STACK TWICE
	.EQUIV ENT,HLT	; BASIC DEFINITION OF ERROR CALL

100000	BIT15=100000
04000	BIT14=40000
02000	BIT13=20000
010000	BIT12=10000
004000	BIT11=4000
002000	BIT10=2000
001000	BIT9=1000
000400	BIT8=400
000200	BIT7=200
000100	BIT6=100
000040	BIT5=40
000020	BIT4=20
000010	BIT3=10
000004	BIT2=4
000002	BIT1=2
000001	BIT0=1

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 DZDOGA.P11 D011 MANUAL PARAMETER INPUT PROGRAM.

(2)				;TRAPCATCAER FOR ILLEGAL INTERRUPTS	
(2)		000000	.+0		
(3)	000000	000002		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000002	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000004	000006		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000006	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000010	000012		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000012	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000014	000016		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000016	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000020	000022		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000022	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000024	000026		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000026	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000030	000032		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000032	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000034	000036		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000036	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000040	000042		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000042	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000044	000046		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000046	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000050	000052		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000052	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000054	000056		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000056	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000060	000062		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000062	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000064	000066		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000066	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000070	000072		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000072	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000074	000076		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000076	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000100	000102		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000102	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000104	000106		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000106	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000110	000112		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000112	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000114	000116		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000116	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000120	000122		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000122	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000124	000126		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000126	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000130	000132		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000132	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000134	000136		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000136	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000140	000142		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000142	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000144	000146		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000146	000000		HALT	EXAMINE STACK TO FIND CAUSE
(3)	000150	000152		.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000152	000000		HALT	EXAMINE STACK TO FIND CAUSE

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(3)	000154	000156	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000156	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000160	000162	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000162	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000164	000166	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000166	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000170	000172	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000172	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000174	000176	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000176	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000200	000202	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000202	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000204	000206	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000206	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000210	000212	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000212	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000214	000216	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000216	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000220	000222	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000222	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000224	000226	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000226	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000230	000232	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000232	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000234	000236	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000236	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000240	000242	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000242	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000244	000246	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000246	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000250	000252	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000252	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000254	000256	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000256	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000260	000262	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000262	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000264	000266	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000266	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000270	000272	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000272	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000274	000276	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000276	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000300	000302	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000302	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000304	000306	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000306	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000310	000312	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000312	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000314	000316	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000316	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000320	000322	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000322	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000324	000326	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000326	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000330	000332	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000332	000000	HALT	EXAMINE STACK TO FIND CAUSE

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 DZDQGA.P11 DQ11 MANUAL PARAMETER INPUT PROGRAM.

(3)	000334	000336	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000336	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000340	000342	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000342	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000344	000346	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000346	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000350	000352	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000352	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000354	000356	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000356	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000360	000362	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000362	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000364	000366	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000366	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000370	000372	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000372	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000374	000376	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000376	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000400	000402	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000402	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000404	000406	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000406	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000410	000412	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000412	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000414	000416	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000416	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000420	000422	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000422	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000424	000426	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000426	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000430	000432	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000432	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000434	000436	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000436	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000440	000442	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000442	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000444	000446	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000446	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000450	000452	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000452	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000454	000456	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000456	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000460	000462	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000462	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000464	000466	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000466	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000470	000472	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000472	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000474	000476	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000476	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000500	000502	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000502	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000504	000506	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000506	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000510	000512	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000512	000000	HALT	EXAMINE STACK TO FIND CAUSE

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 DZDGA.P11 DQ11 MANUAL PARAMETER INPUT PROGRAM.

(3)	000514	000516	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000516	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000520	000522	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000522	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000524	000526	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000526	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000530	000532	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000532	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000534	000536	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000536	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000540	000542	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000542	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000544	000546	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000546	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000550	000552	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000552	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000554	000556	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000556	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000560	000562	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000562	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000564	000566	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000566	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000570	000572	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000572	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000574	000576	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000576	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000600	000602	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000602	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000604	000606	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000606	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000610	000612	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000612	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000614	000616	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000616	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000620	000622	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000622	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000624	000626	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000626	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000630	000632	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000632	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000634	000636	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000636	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000640	000642	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000642	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000644	000646	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000646	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000650	000652	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000652	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000654	000656	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000656	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000660	000662	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000662	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000664	000666	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000666	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000670	000672	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000672	000000	HALT	EXAMINE STACK TO FIND CAUSE

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 DZDQGA.P11 DQ11 MANUAL PARAMETER INPUT PROGRAM.

(3)	000674	000676	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000676	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000700	000702	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000702	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000704	000706	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000706	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000710	000712	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000712	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000714	000716	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000716	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000720	000722	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000722	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000724	000726	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000726	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000730	000732	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000732	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000734	000736	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000736	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000740	000742	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000742	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000744	000746	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000746	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000750	000752	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000752	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000754	000756	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000756	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000760	000762	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000762	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000764	000766	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000766	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000770	000772	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000772	000000	HALT	EXAMINE STACK TO FIND CAUSE
(3)	000774	000776	.+2	UNEXPECTED TRAP TO THIS LOCATION
(3)	000776	000000	HALT	EXAMINE STACK TO FIND CAUSE

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 DZDGA.P11 D011 MANUAL PARAMETER INPUT PROGRAM.

```

(2)                                     ; STANDARD INTERRUPT VECTORS
(2)
(2)
(2)
(2) 000024 000024 . = 24 PFAIL ; POWER FAIL HANDLER
(2) 000026 000340 340 ; SERVICE AT LEVEL 7
(2) 000030 000032 32
(2) 000032 000000 KALT
(2) 000034 003164 TRPSRV ; GENERAL HANDLER DISPATCH SERVI.
(2) 000036 000340 340 ; SERVICE AT LEVEL 7
(2) 000200 000200 . = 200
(2) 000200 000137 001600 JMP .START ; GO TO START OF PROGRAM
(2)
(2)
(2) 001200 . = 1200
(2)
(2)                                     ; INDIRECT POINTERS TO TELETYPE VECTORS AND REGISTERS
(2)
(2) 001200 177560 TKCSR: 177560 ; TELETYPE KEYBOARD CONTROL REGISTER
(2) 001202 177562 TKDBR: 177562
(2) 001204 177564 TPCSR: 177564 ; TELEPRINTER CONTROL REGISTER
(2) 001206 177566 TPD8R: 177566 ; TELEPRINTER DATA BUFFER
(2)
(2)                                     ; PROGRAM CONTROL PARAMETERS
(2)
(2) 001210 000000 RETURN: 0 ; SCOPE ADDRESS FOR LOOP ON TEST
(2) 001212 000000 NEXT: 0 ; ADDRESS OF NEXT TEST TO BE EXECUTED
(2) 001214 000000 TSTNO: 0 ; NUMBER OF TEST IN PROGRESS
(2)
(2)                                     ; PROGRAM VARIABLES
(2)
(2) 001216 000000 TEMP1: 0 ; TEMPORARY STORAGE
(2) 001220 000000 TEMP2: 00 ; TEMPORARY STORAGE
(2) 001222 000000 TEMP3: 00 ; TEMPORARY STORAGE
(2) 001224 000000 TEMP4: 00 ; TEMPORARY STORAGE
(2) 001226 000000 TEMP5: 00 ; TEMPORARY STORAGE
(2) 001230 000000 SA.R0: 00 ; R0 STORAGE
(2) 001232 000000 SA.R1: 00 ; R1 STORAGE
(2) 001234 000000 SA.R2: 00 ; R2 STORAGE
(2) 001236 000000 SA.R3: 00 ; R3 STORAGE
(2) 001240 000700 SA.R4: 00 ; R4 STORAGE
(2) 001242 000000 SA.R5: 00 ; R5 STORAGE
(2) 001244 000000 SP: 00 ; STACK POINTER STORAGE
(2) 001246 000000 SAVPC: 00 ; PROGRAM COUNTER STORAGE

```


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 DZDGA.P11 DQ11 MANUAL PARAMETER INPUT PROGRAM.

```

(2)
(2)      000000      SY=0
(2)
(2)      104400
(2)      104401
(2)      104402
(2)      104403
(2)      104404
(2)      104405
(2)      104406

      ;DEFINITIONS FOR TRAP SUBROUTINE CALLS
      ;POINTERS TO SUBROUTINES CAN BE FOUND
      ;IN THE TABLE IMMEDIATELY FOLLOWING THE DEFINITIONS

      TYPE=TRAP+SY
      INSTR=TRAP+SY
      INSTER=TRAP+SY
      PARAM=TRAP+SY
      CONVRT=TRAP+SY
      CNVERT=TRAP+SY
      SETFLG=TRAP+SY

      ;TABLE OF POINTERS TO SUBROUTINES

      .TRPTAB: .TYPE      ;TELETYPE OUTPUT ROUTINE
      .INSTR     ;ASCII STRING INPUT HANDLER
      .INSTER    ;ASCII STRING ERROR HANDLER
      .PARAM     ;PARAMETER INPUT HANDLER
      .CONVRT    ;DATA CONVERSION HANDLER
      .CNVRT
      .SETFLG     ;FLAG SET HANDLER

      ;DQ11 VECTOR AND REGISTER INDIRECT POINTERS

      DORVEC: 0      ;POINTER TO DQ11 RECEIVER INTERRUPT VECTOR
      DWRCSR: 0      ;POINTER TO DQ11 RECEIVER CONTROL REGISTER

      ;DQ11 OPTION FLAGS

      VRCFLG: 0
      BAFGL: .BYTE 0      ;DATASET CONTROL OPTIONFLAG
      ACTFLG: .BYTE 0
      ODOFLG: .BYTE 0
      SYMFLG: .BYTE 0
      JUMFLG: .BYTE 0
      CAFGL: .BYTE 0      ;CHARACTER LENGTH EXTENDER OPTION FLAG
      ABFLG: .BYTE 0      ;CHARACTER DETECTION OPTION FLAG
      EFLG: .BYTE 0      ;BIC GENERATOR OPTION FLAG
      JMFELG: .BYTE 0     ;TEST JUMPER FLAG
      .EVEN
      .EVEN

      ;1400
      DQCR00: .BLKW 1
      DQST00: .BLKW 1
      DQCR01: .BLKW 1
      DQST01: .BLKW 1
      DQCR02: .BLKW 1
      DQST02: .BLKW 1
      DQCR03: .BLKW 1
  
```

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 DZDGA.P11 D011 MANUAL PARAMETER INPUT PROGRAM.

(2) 001416 000001
 (2) 001420 000001
 (2) 001422 000001
 (2) 001424 000001
 (2) 001426 000001
 (2) 001428 000001
 (2) 001430 000001
 (2) 001432 000001
 (2) 001434 000001
 (2) 001436 000001
 (2) 001438 000001
 (2) 001440 000001
 (2) 001442 000001
 (2) 001444 000001
 (2) 001446 000001
 (2) 001448 000001
 (2) 001450 000001
 (2) 001452 000001
 (2) 001454 000001
 (2) 001456 000001
 (2) 001458 000001
 (2) 001460 000001
 (2) 001462 000001
 (2) 001464 000001
 (2) 001466 000001
 (2) 001468 000001
 (2) 001470 000001
 (2) 001472 000001
 (2) 001474 000001
 (2) 001476 000001
 (1) 001500 000001
 (1) 001502 000001
 (1) 001504 000001
 (1) 001506 000000
 (1) 001510 000000
 (1) 001600 001600

D0ST03: .BLKW 1
 D0CR04: .BLKW 1
 D0ST04: .BLKW 1
 D0CR05: .BLKW 1
 D0ST05: .BLKW 1
 D0CR06: .BLKW 1
 D0ST06: .BLKW 1
 D0CR07: .BLKW 1
 D0ST07: .BLKW 1
 D0CR10: .BLKW 1
 D0ST10: .BLKW 1
 D0CR11: .BLKW 1
 D0ST11: .BLKW 1
 D0CR12: .BLKW 1
 D0ST12: .BLKW 1
 D0CR13: .BLKW 1
 D0ST13: .BLKW 1
 D0CR14: .BLKW 1
 D0ST14: .BLKW 1
 D0CR15: .BLKW 1
 D0ST15: .BLKW 1
 D0CR16: .BLKW 1
 D0ST16: .BLKW 1
 D0CR17: .BLKW 1
 D0ST17: .BLKW 1
 D0ACTV: .BLKW 1
 SAVACT: .BLKW 1
 D0NUM: .BLKW 1
 D0CSR: 0
 D0STAT: 0
 . = 1600

PROGRAM INITIALIZATION
 LOCK OUT INTERRUPTS
 SET UP PROCESSOR STACK
 SET UP POWER FAIL VECTOR
 CLEAR PROGRAM CONTROL FLAGS AND COUNTS
 TYPE TITLE MESSAGE

(2) 001600 012737 000340 177776
 (2) 001606 012706 001200
 (2) 001612 012737 003216 000024
 (2) 001618 012702 001400
 (2) 001624 005022
 (2) 001630 022702 001600
 (2) 001636 001374
 (2) 001642 012702 001400
 (2) 001648 104400
 (2) 001654 003352
 (2) 001660 005000
 (2) 001666 012701 000005
 (2) 001672 005200
 (2) 001678 001376
 (2) 001684 005301
 (2) 001690 001374
 (1) 001696 005777 177314

.START: MOV #340,PS ;LOCK OUT INTERRUPTS
 MOV #STACK,SP ;SET UP STACK
 MOV #PFAIL,#24 ;SET UP POWER FAIL VECTOR
 MOV #1400,R2
 CLEAR: CLR (R2)+
 CMP #1600,R2
 BNE CLEAR
 MOV #1400,R2
 TYPE
 MTITLE
 CLR R0
 MOV #5,R1
 INC R0
 BNE R0-2
 DEC R1
 BNE R1-6
 158: TST JTKOBR

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 DZD00GA.P11 D011 MANUAL PARAMETER INPUT PROGRAM.

(1)	001666	104400				TYPE
(1)	001670	003730				MINUM
(1)	001672	012705	000003			MOV
(1)	001676	005037	001504			CLR
(1)	001702	105777	177272		118:	TSTB
(1)	001706	100375				BPL
(1)	001710	017703	177266			MOV
(1)	001714	105777	177264			TSTB
(1)	001720	100375				BPL
(1)	001722	110377	177260			MOVB
(1)	001726	042703	000200			BIC
(1)	001732	022703	000015			CMF
(1)	001736	001423				BEQ
(1)	001740	032703	000110			BIT
(1)	001744	001015				BNE
(1)	001746	000257				CCC
(1)	001750	006137	001504			ROL
(1)	001754	006137	001504			ROL
(1)	001760	006137	001504			ROL
(1)	001764	042703	000260			BIC
(1)	001770	050337	001504			BIS
(1)	001774	005305				DEC
(1)	001776	001341				BNE
(1)	002000	104400			138:	TYPE
(1)	002002	004033				MERR1
(1)	002004	000726				BR
(1)	002006	005737	001504		128:	TST
(1)	002012	001772				BEQ
(1)	002014	023727	001504	000020		CMF
(1)	002022	101366				BHI
(1)	002024	013705	001504			MOV
(1)	002030	005037	001500			CLR
(1)	002034	012737	000011	001216	168:	MOV
(1)	002042	052737	000011	001500		BIS
(1)	002050	005305				DEC
(1)	002052	001403				BEQ
(1)	002054	006137	001500			ROL
(1)	002060	000765				BR
(1)	002062	013737	001500	001502	D0:	MOV
(1)	002070	104400				TYPE
(1)	002072	004130				MINFO
(1)	002074	104405				CMVERT
(1)	002076	004752				XNUM
(2)	002100	104401				INSTR
(2)	002102	003552				INVECTOR
(2)	002104	104403				PARAM
(2)	002106	000300				300
(2)	002110	000770				770
(2)	002112	001266				DOARVE
(2)	002114	001				1
(2)	002116	001				1
(2)	002118	104401				INSTR
(2)	002120	003574				MPEGAD
(2)	002122	104403				PARAM
(2)	002124	160000				160000
(2)	002126	164000				164000

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 DZDOGA.P11 D011 MANUAL PARAMETER INPUT PROGRAM.

(2)	002130	001270			DORCSR
(2)	002132	001			1
(2)	002134	001			1
(1)	002136	013722	001270		MOV DORCSR, (R2)+
(1)	002138	042737	177000	001266	BIC #177000, DORVEC
(1)	002140	013712	001266		MOV DORVEC, (R2)
(2)	002142	104401			INSTR
(2)	002144	004325			M84
(2)	002146	104406			SETFLG
(2)	002148	001274			BAFLG
(1)	002150	105737	001274		TSTB BAFLG
(1)	002152	001402			BEQ 15
(1)	002154	052712	010000		BIS #BIT12, (R2)
(1)	002156	000240		15:	NOP
(2)	002158	104401			INSTR
(2)	002160	004273			MAX
(2)	002162	104406			SETFLG
(2)	002164	001276			000FLG
(1)	002166	105737	001276		TSTB 000FLG
(1)	002168	001402			EQ 25
(1)	002170	052712	001000		BIS #BIT9, (R2)
(1)	002172	000240		25:	NOP
(2)	002174	104401			INSTR
(2)	002176	004206			M88
(2)	002178	104406			SETFLG
(2)	002180	001302			ABFLG
(1)	002182	105737	001302		TSTB ABFLG
(1)	002184	001402			BEQ 35
(1)	002186	052712	002000		BIS #BIT10, (R2)
(1)	002188	000240		35:	NOP
(2)	002190	104401			INSTR
(2)	002192	004363			M88
(2)	002194	104406			SETFLG
(2)	002196	001303			BBFLG
(1)	002198	105737	001303		TSTB BBFLG
(1)	002200	001402			BEQ 45
(1)	002202	052712	020000		BIS #BIT13, (R2)
(1)	002204	000240		45:	NOP
(2)	002206	104401			INSTR
(2)	002208	004464			MACTV
(2)	002210	104406			SETFLG
(2)	002212	001275			ACTFLG
(1)	002214	105737	001275		TSTB ACTFLG
(1)	002216	001402			BEQ 55
(1)	002218	052712	004000		BIS #BIT11, (R2)
(1)	002220	000240		55:	NOP
(2)	002222	104401			INSTR
(2)	002224	004421			MIJUMP
(2)	002226	104406			SETFLG
(2)	002228	001300			JUMFLG
(1)	002230	105737	001300		TSTB JUMFLG
(1)	002232	001402			BEQ 65
(1)	002234	052712	040000		BIS #BIT14, (R2)
(1)	002236	000240		65:	NOP
(2)	002238	104401			INSTR
(2)	002240	004553			MSYNC

G02

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 DZDQGA.P11 DQ11 MANUAL PARAMETER INPUT PROGRAM.

(2)	002346	104406			SETFLG	
(2)	002350	001277			SYNFLG	
(1)	002352	105737	001277		TSTB	SYNFLG
(1)	002356	001402			BEQ	7S
(1)	002360	052712	100000		BIS	#BIT15, (R2)
(1)	002364			7S:		
(1)	002364	323737	001216	001504	CMP	TEMP1, DQNUM
(1)	002372	001405			BEQ	ENDPA
(1)	002374	005237	001216		INC	TEMP1
(1)	002400	005722			TST	(R2)+
(1)	002402	000137	002062		JMP	DO
(1)	002406	104400			ENDPA:	TYPE
(1)	002410	004633			MTHNK	
(1)	002412	000000			HALT	
(1)	002414	000137	000200		JMP	200
(2)						
(2)						
(2)						
(2)	002420	017605	000000			
(2)	002424	062716	000002		.TYPE:	MOV 2(SP), R5
(2)	002430	105715			ADD	#2, (SP)
(2)	002432	001406			1S:	TSTB (R5)
(2)	002434	105777	176544		BEQ	3S
(2)	002440	100375			2S:	TSTB 2TPCSR
(2)	002442	112577	176540		BPL	2S
(2)	002446	000770			MOVB	(R5)+, 2TPDBR
(2)	002450	000002			BR	1S
(2)					3S:	RTI
(2)						
(2)						
(2)						
(2)	002452	017637	000000	002466		
(2)	002460	062716	000002		.INSTR:	MOV 2(SP), MSG
(2)	002464	104400			ADD	#2, (SP)
(2)	002466	000000			.INST1:	TYPE
(2)	002470	012704	004760		.MSG:	0
(2)	002474	012703	000007		MOV	#INBUF, R4
(2)	002500	105777	176474		MOV	#7, R3
(2)	002504	100375			1S:	TSTB 2TKCSR
(2)	002506	117714	176470		BPL	1S
(2)	002512	142714	000200		MOVB	2TKDBR, (R4)
(2)	002516	122427	000015		BICB	#200, (R4)
(2)	002522	001413			CMPB	(R4)+, #15
(2)	002524	117777	176452	176454	BEQ	INSTR2
(2)	002532	105777	176446		2S:	MOVB 2TKDBR, 2TPDBR
(2)	002536	100375			TSTR	2TPCSR
(2)	002540	005303			BPL	2S
(2)	002542	001356			DEC	R3
(2)	002544	104400			BNE	1S
(2)	002546	003630			.INSTE:	TYPE
(2)	002550	000745			MOV	
(2)	002552	000002			BR	.INST1
(2)					INSTR2:	RTI
(2)						
(2)						
(2)						
(2)						
(2)	002554	011605				
(2)	002556	012537	002730		.PARAM:	MOV (SP), R5
					MOV	(R5)+, LOLIM

; CONVERT ASCII STRING TO OCTAL


```

MOV      (RS)+,HILIM
MOV      (RS)+,DEVADR
MOVB     (RS)+,LOBITS
MOVB     (RS)+,ADRCNT
MOV      RS,(SP)
PARAM1:  CLR      RS
MOV      @INBUF,R4
CMPB     #15,(R4)
BEQ      PARERR
1$:      CMPB     (R4),#60
BLT      PARERR
CMPB     (R4),#67
BGT      PARERR
BICB     #60,(R4)
BISB     (R4),RS
CMPB     #15,(R4)
BEQ      LIMITS
ASL      RS
ASL      RS
ASL      RS
BR       1$
PARERR:  INSTER
BR       PARAM1

;TEST TO SEE IF NUMBER IS WITHIN LIMITS

LIMITS:  CMP      RS,HILIM
BHI      PARERR
CMP      RS,LOLIM
BLO      PARERR
BITB     LOBITS,RS
BNE      PARERR

;STORE NUMBER AT SPECIFIED ADDRESS

1$:      MOV      DEVADR,R4
MOV      RS,(R4)+
ADD      #2,RS
DECB     ADRCNT
BNE      1$
RTI

LOLIM:  0
HILIM:  0
DEVADR: 0
LOBITS: 0
ADRCNT=LOBITS+1

;CONVERT OCTAL NUMBER TO ASCII AND OUTPUT TO TELEPRINTER

.CONVR:  TYPE
MCRLF
.CHVRT:  MOV      @ (SP),R1
ADD      #2,(SP)
MOV      (R1)+,WRDCNT
1$:      MOVB     (R1)+,CHRCNT
MOVB     (R1)+,SPACNT

```

```

25:  MOV      @ (R1)+, BINWRD
      MOV      BINWRD, R4
      MOVVB    CHRCNT, R5
      MOV      #TEMP, R0
35:  MOV      R4, R3
      BIC      #177770, R3
      ADD      #260, R3
      MOVVB    R3, (R0)+
      ASR      R4
      ASR      R4
      ASR      R4
      DEC      R5
      BNE      35
      MOV      #MDATA, R3
45:  MOVVB    -(R0), (R3)+
      DECB     CHRCNT
      BNE      45
      TSTB     SPACNT
      BEQ      65
55:  MOVVB    #240, (R3)+
      DECB     SPACNT
      BNE      55
65:  CLRB     (R3)
      TYPE     MDATA
      DEC      WRDCNT
      BNE      15
      RTI

WRDCNT: 0
CHRCNT: 0
SPACNT=CHRCNT+1
BINWRD: 0

;COMPARE THE FIRST CHARACTER IN THE TELETYPE INPUT
;BUFFER TO THE CHARACTERS "N" AND "Y".
;IF THE CHARACTER IS "N" CLEAR THE FLAG
;IF THE CHARACTER IS "Y" SET THE FLAG

.SETFLG: MOV      @ (SP), R5
      CMPB     #'N, INBUF
      BNE      15
      CLRB     (R5)
      BR       25
15:  CMPB     #'Y, INBUF
      BNE      35
      MOVVB    #-1, (R5)
25:  ADD      #2, (SP)
      RTI
35:  INSTER    , SETFLG
      BR       , SETFLG
;TRAP DISPATCH SERVICE
;ARGUMENT OF TRAP IS EXTRACTED
;AND USED AS OFFSET TO OBTAIN POINTER
;TO SELECTED SUBROUTINE

.TRPSR: MOV      (SP), -(SP) ;GET PC OF RETURN

```

Address	Offset	Value	Label	Operation	Comment
003166	162716	000002		SUB #2, (SP)	;=PC OF TRAP
003172	017616	000000		MOV #1, (SP), (SP)	;GET TRP
003176	006316		TRPOK:	ASL (SP)	;MULTIPLY TRAP ARG BY 2
003200	042716	177001		BIC #177001, (SP)	;CLEAR UNWANTED BITS
003204	062716	001250		ADD #.TRPTAB, (SP)	;POINTER TO SUBROUTINE ADDRESS
003210	017616	000000		MOV #1, (SP), (SP)	;SUBROUTINE ADDRESS
003214	000136			JMP #1, (SP)	;GO TO SUBROUTINE
				;ENTER HERE ON POWER FAILURE	
003216	010046		.PFAIL:	MOV R0, -(SP)	;SAVE R0-R5 ON PROCESSOR STACK
003220	010146			MOV R1, -(SP)	
003222	010246			MOV R2, -(SP)	
003224	010346			MOV R3, -(SP)	
003226	010446			MOV R4, -(SP)	
003230	010546			MOV R5, -(SP)	
003232	013746	000024		MOV #24, -(SP)	
003236	010637	001244		MOV SP, SAVSP	;SAVE STACK POINTER
003242	012737	003254	000024	MOV #RESTART, 24	;SET UP FOR POWER UP TRAP
003250	003000			HALT	;HALT ON POWER DOWN NORMAL
003252	000777			BR .	
				;PROCESSOR WILL TRAP HERE WHEN POWER IS RESTORED	
003254	013706	001244	RESTAR:	MOV SAVSP, SP	;RESTORE STACK POINTER
003260	012605			MOV (SP)+, R5	;RESTORE R0-R5
003262	012604			MOV (SP)+, R4	
003264	012603			MOV (SP)+, R3	
003266	012602			MOV (SP)+, R2	
003270	012601			MOV (SP)+, R1	
003272	012600			MOV (SP)+, R0	
003274	012737	003216	000024	MOV #.PFAIL, 24	;SET UP FOR POWER FAILURE
003302	012737	000340	177776	MOV #340, PS	
003310	012706	001200		MOV #STACK, SP	
003314	005037	005022		CLR TEMP	
003320	005237	005022		INC TEMP	
003324	001375			BNE .-4	
003326	104404			CONVRT	
003330	003342			PFTAB	
003332	104400			TYPE	
003334	003637			MPFAIL	
003336	000177	175646		JMP #RETURN	
003342	000001		PFTAB:	1	
003344	000006	000002		6, 2	
003350	000207			RETURN	
003352	017435	005015	042012	NTITLE: .ASCII <35><37><15><12><12>/DO I TRIAL PROGRAM /<15><12>	
003404	005015	047504	054440	.ASCII <15><12>/DO YOU PROMISE TO TELL THE TRUTH;/	
003447	015	052012	042510	.ASCII <15><12>/THE WHOLE TRUTH AND NOTHING BUT/	
003510	005015	044124	020105	.ASCII <15><12>/THE TRUTH SO HELP YOU PDP-11/ <15><12>	
003552	005015	042526	052103	MVECTOR: .ASCII <15><12>/VECTOR ADDRESS-/	
003574	005015	047503	052116	MPEGAD: .ASCII <15><12>/CONTROL REGISTER ADDRESS-/	
003630	020040	000077		M.M: .ASCII / /	
003634	005015	000		MCRLF: .ASCII <15><12>	
003637	040	050040	053517	MPFAIL: .ASCII / POWER FAILURE, PROGRAM RESTART AT TEST IN PROGRESS/	
003724	005015	000122		MR: .ASCII <15><12>/R/	
				.EVEN	

K02

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DZDQGA.P11 DQ11 MANUAL PARAMETER INPUT PROGRAM.

(1)	003730	005015	054524	042520	MNUM:	.ASCIZ<15><12>/TYPE IN NUMBER OF DQ11'S IN SYSTEM.(INPUT OCTAL NUMBERS)0
(1)	004033	015	044412	053116	MERR1:	.ASCIZ<15><12>/INVALID ANSWER PLEASE INPUT AGAIN! /
(1)	004100	005015	050012	042514	MINFO:	.ASCIZ<15><12><12>/PLEASE SUPPLY THE INFORMATION FOR DQ11 NUMBER: /
(1)	004163	015	042012	020117	MVRC:	.ASCIZ<15><12>/DO YOU HAVE VRC? /
(1)	004206	005015	051511	040440	MAB:	.ASCIZ<15><12>/IS AB OPTION INSTALLED? /
(1)	004240	005015	051511	053040	MCA:	.ASCIZ<15><12>/IS VRC OPTION INSTALLED? /
(1)	004273	015	044412	020123	MAX:	.ASCIZ<15><12>/IS VRC SET FOR ODD VRC? /
(1)	004325	015	044412	020123	MBA:	.ASCIZ<15><12>/IS THE BA OPTION INSTALLED? /
(1)	004363	015	044412	020123	MBB:	.ASCIZ<15><12>/IS THE BB OPTION INSTALLED? /
(1)	004421	015	044412	020123	MJUMP:	.ASCIZ<15><12>/IS THE TEST JUMPER ON THE CABLE? /
(1)	004464	005015	044527	046114	MACTV:	.ASCIZ<15><12>/WILL DQ11 GO ACTIVE ON THE FIRST NON-SYNC CHARACTER? /
(1)	004553	015	044412	020123	MSYNC:	.ASCIZ<15><12>/IS THE DQ11 JUMPERED FOR TWO SYNC CHARACTERS? /
(1)	004633	015	005012	044124	MTHNK:	.ASCII<15><12><12>/THANK YOU FOR THE INFORMATION. /
(1)	004674	005015	054412	052517		.ASCIZ<15><12><12>/YOU MAY NOW PROCEED WITH THE DIAGNOSTICS. /
(1)		004752			.EVEN	
(1)	004752	000001			XNUM:	1
(1)	004754	002	002		.BYTE	2,2
(1)	004756	001216			TEMP1	
(2)						
(2)						
(2)						
(2)	004760	000000			INBUF:	0
(2)		005022			.=. +40	
(2)	005022	000000			TEMP:	0
(2)		005064			.=. +40	
(2)	005064	000000			MOATA:	0
(2)		005126			.=. +40	
(2)		000001			.END	

03300

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 DZDQGA.P11 CROSS REFERENCE TABLE -- USER SYMBOLS

ABFLG	001302	18
ACTFLG	001275	18
ADRCNT=	002737	18*
BAFLG	001274	18
BBFLG	001303	18
BINWRO	003114	18*
BIT0 =	000001	18
BIT1 =	000002	18
BIT10 =	002000	18
BIT11 =	004000	18
BIT12 =	010000	18
BIT13 =	020000	18
BIT14 =	040000	18
BIT15 =	100000	18
BIT2 =	000004	18
BIT3 =	000010	18
BIT4 =	000020	18
BIT5 =	000040	18
BIT6 =	000100	18
BIT7 =	000200	18
BIT8 =	000400	18
BIT9 =	001000	18
CAFLG	001301	18
CHRCNT	003112	18*
CLEAR	001624	18
CONVERT=	104405	18
CONVRT=	104404	18
DEVADR	002734	18*
DO	002052	18
DQACTV	001500	18*
DQCR00	001400	18
DQCR01	001404	18
DQCR02	001410	18
DQCR03	001414	18
DQCR04	001420	18
DQCR05	001424	18
DQCR06	001430	18
DQCR07	001434	18
DQCR10	001440	18
DQCR11	001444	18
DQCR12	001450	18
DQCR13	001454	18
DQCR14	001460	18
DQCR15	001464	18
DQCF16	001470	18
DQCR17	001474	18
DGCSR	001506	18
DGNUM	001504	18*
DGRCR	001270	18
DQAVEC	001266	18*
DQSTAT	001510	18
DGST00	001402	18
DGST01	001406	18
DGST02	001412	18
DGST03	001416	18
DGST04	001422	18

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 DZDQGA.P11 CROSS REFERENCE TABLE -- USER SYMBOLS

DQST05	001426	1#
DQST06	001432	1#
DQST07	001436	1#
DQST10	001442	1#
DQST11	001446	1#
DQST12	001452	1#
DQST13	001456	1#
DQST14	001462	1#
DQST15	001466	1#
DQST16	001472	1#
DQST17	001476	1#
ENDPA	002406	1#
HILIM	002732	1#*
INCUF	004760	1#
INSTER=	104402	1#
INSTR =	104401	1#
INSTR2	002552	1#
JMPFLG	001304	1#
JUMFLG	001300	1#
LIGHTS=	177570	1#
LIMITS	002664	1#
LOBITS	001736	1#*
LOLIM	002730	1#*
MAB	004206	1#
MACTV	004464	1#
MAX	004273	1#
MBA	004325	1#
MBB	004363	1#
MCA	004240	1#
MCRLF	003634	1#
MORTA	005064	1#
MERR1	004033	1#
MINFO	004100	1#
MJUMP	004421	1#
MIUM	003730	1#
MPFAIL	003637	1#
MGM	003630	1#
MR	003724	1#
MREGAD	003574	1#
MSYNC	004553	1#
MTINK	004633	1#
MTITLE	003352	1#
MVECTO	003552	1#
MVRC	004163	1#
NEXT	001212	1#
OODFLG	001276	1#
PARAM =	104403	1#
PARM1	002604	1#
PARERR	002660	1#
PC =	000007	1#
PFTAB	003342	1#
POPPO =	012600	1#
POP1SP=	005726	1#
POP2SP=	022626	1#
PS =	177776	1#*
PUSHRO=	010046	1#

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 DZDGA.P11 CROSS REFERENCE TABLE -- USER SYMBOLS

PUSH15=	005746	18
PUSH25=	024646	18
RESTAR	003254	18
RETURN	001210	18
R0	=X000000	18*
R1	=X000001	18*
R2	=X000002	18*
R3	=X000003	18*
R4	=X000004	18*
R5	=X000005	18*
SAVACT	001502	18*
SAVPC	001246	18
SAVR0	001230	18
SAVR1	001232	18
SAVR2	001234	18
SAVR3	001236	18
SAVR4	001240	18
SAVR5	001242	18
SAVSP	001244	18*
SETFLG=	104406	18
SP	=X000006	18*
SPACNT=	003113	18*
STACK	= 001200	18
SWR	= 177570	18
SYNFLG	001277	18
TEMP	005022	18*
TEMP1	001216	18*
TEMP2	001220	18
TEMP3	001222	18
TEMP4	001224	18
TEMP5	001226	18
TKCSR	001200	18
TKDBR	001202	18
TPCSR	001204	18
TPDBR	001206	18*
TRPOK	003176	18
TSTNO	001214	18
TYPE	= 104400	18
VRCFLG	001272	18
WDCNT	003110	18*
XNUM	004752	18
SY	= 000007	18
.	= 005126	18
.CHVRT	002744	18
.CONVR	002740	18
.INSTE	002544	18
.INSTR	002452	18
.INST1	002464	18
.MSG	002466	18*
.PARAM	002554	18
.PFIL	003216	18
.SETFL	003116	18
.START	001600	18
.TRFSR	003164	18
.TRPTA	001250	18
.TYPE	002420	18

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 DZDGA.P11 CROSS REFERENCE TABLE -- MACRO NAMES

COMMEN	10
DOEND	10
DOFRNT	10
ENDCOM	10
ESCAPE	10
GETPRI	10
GETSWR	10
HLT	10
MULT	10
NEWTSY	10
POP	10
PUSH	10
REPORT	10
SETPRI	10
SETUP	10
SKIP	10
SLASH	10
STARS	10
SW	10
TYPBIN	10
TYPDEC	10
TYPNUM	10
TYPNUM	10
TYPPCS	10
TYPCT	10
TYPTXT	10
BLUFFE	10
SCATCH	10
SCONVR	10
SETEL	10
SETPA	10
SERCE	10
SINSTR	10
SL	10
SLASH	10
SPRIL	10
SSETEL	10
SSEIVE	10
SSTRT	10
SSYMO	10
STRAPS	10
STRIDE	10
STRIDE	10
STYPE	10
SVARYA	10
SVGDA	10
SVNT	10
SVIP	10
SVJAT	10
SVHDE	10
SVTII	10
SVTUP	10
SVWNI	10
SVTI	10
SVYB	10
SVYTH	10

.SAPY	18
.SASTA	18
.SCATC	18
.SCNTA	18
.SCTO	18
.SCTO	18
.SCIV	18
.SEOP	18
.SERRO	18
.SERRT	18
.SEULT	18
.SEOME	18
.SFAD	18
.SDE	18
.SDC	18
.SDO	18
.SF2AZ	18
.SDVE	18
.SDO	18
.SDO	18
.SSCOP	18
.SSIZE	18
.SJJPR	18
.STRAP	18
.STYPB	18
.STYPD	18
.STYPE	18
.STYPD	18
.S40CA	18
.1170	18

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DZDOGA.P11 CROSS REFERENCE TABLE -- PERMANENT SYMBOLS

ADD	1
ASL	1
ASR	1
BEQ	1
BGT	1
BHI	1
BIC	1
BICB	1
BIS	1
BISB	1
BIT	1
BITB	1
BLO	1
BLT	1
BNE	1
BPL	1
BR	1
CCC	1
CLR	1
CLRB	1
CMP	1
CMPB	1
DEC	1
DECB	1
ENT	1
HLT	1
INC	1
JMP	1
MOV	1
MOVB	1
NOP	1
RETURN	1
ROL	1
RTI	1
SUB	1
TRAP	1
TST	1
TSTB	1
.ASCII	1
.ASCII2	1
.BVM	1
.BYTE	1
.ENABL	1
.END	1
.EQUIV	1
.EVEN	1
.IRP	1
.LIST	1
.MACRO	1
.MLIST	1
.PAGE	1
.PEM	1
.FPT	1
.SETTL	1
.TITLE	1

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DZDOGA.P11 CROSS REFERENCE TABLE -- PERMANENT SYMBOLS

ERRORS DETECTED: 0
DEFAULT GLOBALS GENERATED: 0

* DZDOGA.SEG/SOL/CRF/ML:TOC/PAGNUM=SYSMAC.CO,DZDOGA.P11
RUN-TIME: 23 26 1 SECONDS
RUN-TIME RATIO: 192/51=3.7
CORE USED: 36K (71 PAGES)

Spooler runtime 4 Seconds, 21 KCS, 67 disk reads, 3 disk writes, 20 pages

[illegible]