

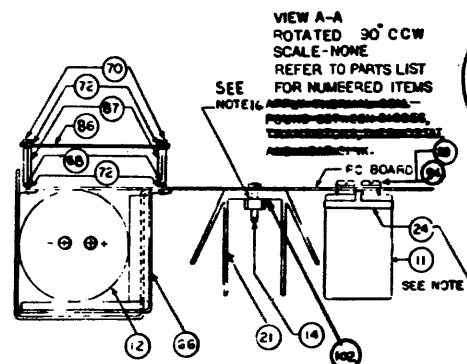
9. PHYSICAL IS MADE IN REVERSE, SIDE 1 IS LIGHT, SIDE 2 IS DARK.
10. INSERT JUMPER W5 FOR 50Hz. OPERATION.
11. JUMPERS W1, W2 SHOULD BE INSTALLED AFTER TEST

~~1. BLADE TORQUE IN COLUMN~~

19 C.A.B. INTL FORM 57-10-1

~~TO: SAC, NEW YORK~~

15 FOR HANDLING AND SOLDERING REQUIREMENTS OF
12V1670 LEAD ACID BATTERIES (ITEM#23)
SEE A-SP-7645252-D-0



16-APPLY THERMAL COMPOUND TO SIDES OF ALL THERMAL INSULATORS AND TO BOTTOM OF THERMOSTAT.

72741	4	7
IC TYPE	GND	+5V

GND AND +V ARE USUALLY PIN 7 AND 14
RESPECTIVELY EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

17. BELOW IS LISTED TORQUE VALUES TO BE USED IN ASSEMBLY:

<u>SIZE OF SCREW</u>		<u>EACH/LB</u>
10-32	SCREWS..... SECURING PC BOARD TO C6.....	14
10-32	SCREWS..... SECURING THE COILS TO C1.....	14
6-32	SCREWS..... HOLDING PC BOARD TO THE CHASSIS.....	14
6-32	SCREWS..... ON THE TRANSISTORS 96, 93, 011, 92.....	14
4-40	SCREWS..... ON THE TRANSISTORS Q26, Q27.....	10
	NUTS..... HOLDING THE DIODES, D1 & D2.....	20
	NUT..... HOLDING THERMOSTAT, S1.....	10
6-32	SCREWS..... HOLDING THE CIRCUIT BREAKER TO CHASSIS.....	14
6-32	SCREWS..... HOLDING BATTERY SHIELD TO CHASSIS.....	14
	SCREWS..... HOLDING CRIMPS TO CIRCUIT BREAKER.....	14

NOTE :

TO ACHIEVE TRUE TORQUE READINGS,
ALWAYS USE A NUT DRIVER ON ONE
SIDE AND A TORQUE DRIVER ON THE
OTHER WHERE A SCREW AND A
NUT ASSEMBLY IS INVOLVED.

Q.C. TOLERANCE; INSPECT TO MINUS (-) 2 IN/LB OF ASSEMBLED TOPLOE VALUES.

*CAUTION:
OFF SHEET P/L
DATA BASE PER
G8016-MK006

FIRST USED ON OPTION MODEL
PDP 8A

REF	REF	X-Y COORDINATE HOLE LOCATION	K-CO-0016-B-4
REF		ASST/DRILLING HOLE LAYOUT	D-AH-0016-B-5
REF		MODULE ECO HISTORY	D-WH-0016-B-5
1		ETCHED CIRCUIT BOARD	D-1A-500984-C-0
2	C5, C10	CAP .1 UF 100V 205 D1SC	1000030
7	C4	CAP 100 UF 6V 205 STANT	1000006
9	C3, C8, C9, C11, C12	CAP .01 UF 100V 205 D1SC	1001810-01
3	C14, C15, C16	CAP 100 UF 25V -105 + 75% ELECT	1002771
1	C2	CAP 22 UF 6V 105 STANT	1000130
2	C7, C8	CAP .22 UF 50V -205 + 005 CER	100274-00
1	C6	CAP 0000 UF 10V -105 + 75% ELECT	1010704
1	C1	CAP .1UF 10V	1011578
7	D0, D0, D11, D12, D13, D14, D15	DIODE D002	1100113
2	D1, D2	DIODE 1N1163	1111000
10	D10, D17, D18, D19, D20, D21, D22, D24, D25, D30	DIODE D072	1105275
9	D4, D20, D27, D28, D29	DIODE 1N4004	1105700
1	D6	DIODE M752	1110015
2	D7, D22	DIODE 1N751A ZENER	1110004
2	D9, D16	DIODE SCREENED 5.7V 2% ZENER	1111205
1	D1	THERMOSTAT	1211602
1		HEAT SINK	1211814
1	C01	CIRCUIT BREAKER 25A	1211073
4	B71, B72, B73, B74	BATTERIES B-CELL	1211079
1		BRACKET	1210420
1		HEAT SINK-T-06 TRANSISTOR MOUNTED	1211543
3	R5, R6, R9	RES. 10 1/4W 5%	1300171
2	R20, R43	RES. 47 1/4W 5%	1300202
1	R1	RES. 100 1/4W 5%	1300232
7	R71, R4, R22, R26, R30, R50, R57, R12, R47	RES. 100 1/4W 5%	1300229
2	R27, R43	RES. 150 1/4W 5%	1300247
4	R10, R17, R20, R54	RES. 220 1/4W 5%	1300250
9	R3, R15, R37, R64, R36	RES. 330 1/4W 5%	1300271
13	R11, R13, R20, R21, R30, R40, R41, R48, R52, R55, R66, R68, R70	RES. 1K 1/4W 5%	1300295
2	R14, R56	RES. 1.5K 1/4W 5%	1300301
0	R23, R44, R45, R46, R51, R55	RES. 3.3K 1/4W 5%	1300430
1	R30	RES. 10 1/4W 5%	1301317
1	R40	RES. 100 1/4W 5%	1301322
1	R2	RES. 62 1/4W 5%	1301477
1	R10	RES. 56 5W 5%	1301502
2	R10, R62	RES. 511 1/4W 15 WF	1302411
1	R24	RES. 50 2W 5%	1302030
1	R34	RES. 100 1/0W 15 WF	1302050
1	R7	RES. 1.21K 1/0W 15 WF	1302071
1	R21	RES. 100 1/4W 15 WF	1302150
1	R50	RES. 404 1/4W 15 WF	1303047
2	R10, R25	RES. 1 5W 10% 0W	1303305
1	R32	RES. 1.50K 1/4W 15 WF	1304033
2	R9, R61	RES. 303 1/4W 15 WF	1305125
1	R53	RES. 27K 1/4W 5%	1305340
3	R0, R23, R60	RES. 100 3/4W 10% POT 70 PR	1300143-04
1	R03	RES. 5K 3/4W 10% POT 70 PR	1300143-00
QTY	REF DESIGNATION	DESCRIPTION	PART NO.

PARTS LIST									
ETCH BOARD REV		E							
		DRN <i>Evidence</i>		DATE <i>2/7/78</i>		digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS			
		OPN <i>Ben Stine</i>		DATE <i>5/5/78</i>					
		BY <i>J. J. ...</i>		DATE <i>11/1/78</i>					
		PROJ <i>...</i>		DATE <i>...</i>					
		<i>...</i>		DATE <i>...</i>					
		<i>...</i>		DATE <i>...</i>					
		NEXT HIGHER ASSY B-DD-PDP8A-Ø				TITLE H763 REGULATOR BOARD			
DEC NO.		EIA NO.							
CONVERSION CHART				SCALE		SUB CODE DCS G8Ø16-Ø-1		REV H	
SHEET		1		OF		3		DCT	

MK 1

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WIRE TABLE				
PART NO.	FROM	TO	TERMINATION	WIRE LENGTH
91-07380-22	TB1	D1	SOLDER AT D1 END. SOLDER AT TB1 END	5.00
91-07380-22	TB3	D2	SOLDER AT D2 END. TAB AT TB3 END	5.00
91-07380-00	TB2	TB4	SOLDER AT TB2 END SOLDER AT TB4 END	7.00
91-07380-00	+ TERMINAL OF C1	TB9 HOLE	SOLDER WIRE AT HOLE END TB9. SOLDERLESS CONNECTOR AT C1 END 90-07926	2.50
91-07380-00	- TERMINAL OF C1	TB10 HOLE	SOLDER WIRE AT HOLE END TB10 SOLDERLESS CONNECTOR AT C1 END 90-07926	1.25
91-07380-00	TB7	TOP TERMINAL OF CBI	SOLDER AT TB7 END. SOLDERLESS CONNECTOR AT CBI END 90-07926	7.00
91-07380-00	TB8	BOTTOM TERMINAL OF CBI	SOLDER AT TB8 END. SOLDERLESS CONNECTOR AT CBI END 90-07926	11.25
91-07350-22	SI	SPLIT LUG	SOLDER AT SPLIT LUG END	4.00
	SI	SPLIT LUG	SOLDER AT SI END	4.00

QTY	REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM
1	R36		RES. 100 1/2W NTC	1311760	57
1	R67		RES. 2.7 1/2W 105	1308448	54
2	Q7,Q12		TRANS. DEC 2N3715	1503088	55
1	Q2		TRANS. 2N3762	1508648-01	56
10	Q1,Q3,Q4,Q5,Q6,Q10,Q13,Q15,Q17,Q19,Q20,Q21,Q22,Q23,Q24,Q25		TRANS. DEC A85	1510705	57
1	R38		RES. 5.6K, 1/4W, 5%	1301874	58
4	Q0,Q14,Q16,Q18		TRANS. DEC A55	1510705	59
1	D8		DIODE SCR C32AX135	1510705	60
2	Q8,Q11		TRANS. 2N5683	1510705	61
2	Q26,Q27		TRANS. D44H0	1510707-01	62
1	T1		TRANSFORMER	1811758	63
1	L1		CHOKER	1811759	64
1	E1		I.C. DEC 72741	1810298	65
1			BRACKET REG. 8.0.	7411478	66
2			SCREW 4-48 x .50 PH	9008813-1	67
4			SCREW 6-32 x .25 PH	9008820-1	68
2			SCREW 6-32 x .31 PH	9008821-1	69
3			SCREW 6-32 x .75 PH	9008826-1	70
2			KEPHUT 4-48	9008557	71
7			WASHER #8 INTERNAL	9008633	72
8			WASHER #8 FLAT	9008656	73
2			WASHER #10 FLAT	9008772	74
8			SPLIT LUGS	9008735	75
2	TB5,TB6		TAB FAST-ON (OFF SET)	9007112	76
1			TRANS. P.D. #10134	9007200	77
8			SCREW 6-32 x .56 PH	9007793-1	78
REF			G8016 REG. BOARD SPEC	G8016-0-E	79
4			SOLDERLESS CONNECTOR	9007920-01	80
11			KEPHUT 6-32	9008185	81
A/R			WIRE #12 AWG	9107380-00	82
A/R			WIRE #12 AWG	9107380-22	83
A/R	W3		BUS WIRE #22 AWG (SEE NOTE #10)	9107560-01	84
A/R	W1,W2		NEEL JUMPER (SEE NOTE #11)	9107560	85
1			SHIELD BATTERY	7411693-0-0	86
3			SPACER #6 .38 LG.	9006801	87
2	TB5,TB6		EYELET	9009000	88
8	TB1,TB2,TB3,TB4,TB7,TB8,TB9,TB10		EYELET GS4-3	9007836	89
A/R			WIRE #22 AWG	9107350-22	90
2			WASHER #8 INTERNAL	9006634	91
A/R			THERMO COMPOUND	9008268	92
2			SCREW 10-32 x .31	9008070-01	93
2			WASHER #10 INTERNAL	9006635	94
1	C17		CAP .47UF 25V 20% CER.	1010275	95
1			DECAL	A-DC-7413109-0	97
REF			FINAL INSP. PROC. FOR G8016	A-SP-G8016-0-9	98
REF			POWER SUPPLY TESTER	B-DD-G8016-TA	99
1			PACKAGING INSTRUCTION	A-SP-3700175-00	100

REVISIONS		
CHK	CHANGE NO	REV

TITLE	H763 REGULATOR BOARD	SIZE CODE	NUMBER	REV.
SCALE	SHEET 2 OF 3	DIST.		

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