

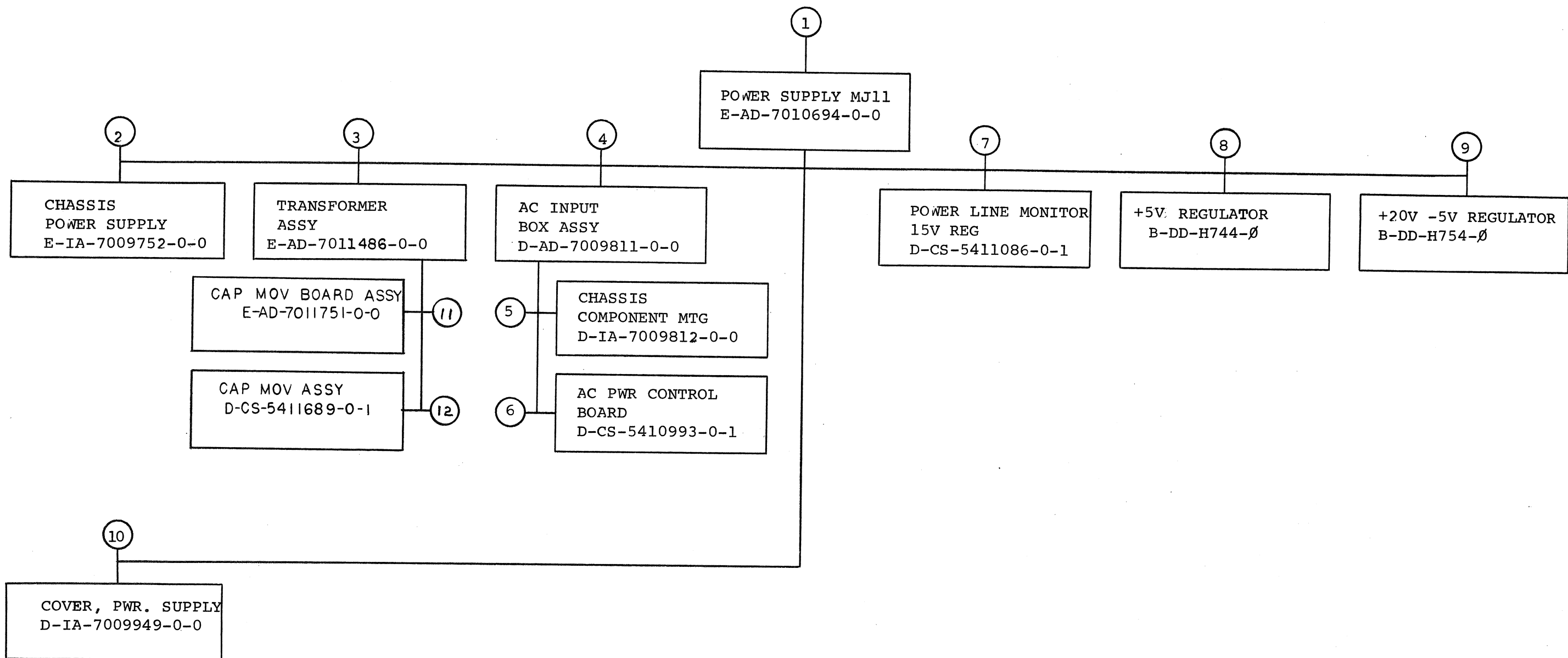
THIS IS PRINT SET

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SEQUENCE

DRAWING DIRECTORY (P.S. MJ11)	B-DD-7010694-0
POWER SUPPLY MJ11	E-AD-7010694-0-0
AC INPUT BOX ASSY	D-AD-7009811-0-0
AC PWR CONTROL BOARD	D-CS-5410993-0-1
TRANSFORMER ASSY	E-AD-7011486-0-0
DRAWING DIRECTORY H744	B-DD-H744-Ø
DRAWING DIRECTORY H754	B-DD-H754-Ø
PWR LINE MONITOR/ 15V REG	D-CS-5411086-0-1

[illegible]DEC 18-1963-1062-1A-R972



TITLE	SHEET 2 OF 4	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY POWER SUPPLY MJ11	B	DD	7010694-0	A	

E. P. DURE 6-13-72

P DURE

B. B. Dure 6-13-72

P DURE

3-8-72 2-2-72

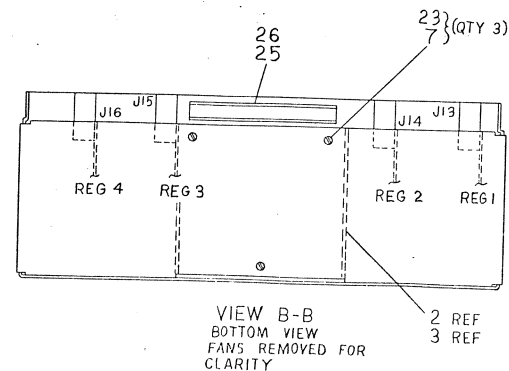
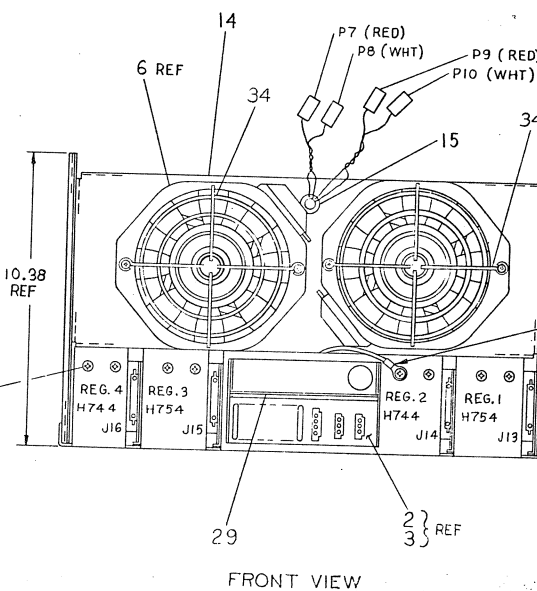
L. A. D.

UPPIN

July 9, 1972

DRAWING NO.		DESCRIPTION		DRAWING PART NO.		ITEM NO.																																																									
70101094-0		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES																																																													
QUANTITY & VARIATION		CLASS OF ACCURACY (CHECK ONE)		TYPICAL DIMENSION RANGES IN INCHES																																																											
		ANGLES "90°" SURFACE QUALITY MICROINCHES		<table border="1"> <tr> <td>35</td> <td>35</td> <td>0.12</td> <td>1.5</td> <td>1.5</td> <td>1.5</td> <td>1.5</td> <td>1.5</td> </tr> <tr> <td>15</td> <td>15</td> <td>0.07</td> <td>0.75</td> <td>0.75</td> <td>0.75</td> <td>0.75</td> <td>0.75</td> </tr> <tr> <td>10</td> <td>10</td> <td>0.05</td> <td>0.50</td> <td>0.50</td> <td>0.50</td> <td>0.50</td> <td>0.50</td> </tr> <tr> <td>7</td> <td>7</td> <td>0.04</td> <td>0.40</td> <td>0.40</td> <td>0.40</td> <td>0.40</td> <td>0.40</td> </tr> <tr> <td>5</td> <td>5</td> <td>0.03</td> <td>0.30</td> <td>0.30</td> <td>0.30</td> <td>0.30</td> <td>0.30</td> </tr> <tr> <td>3</td> <td>3</td> <td>0.02</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> <tr> <td>2</td> <td>2</td> <td>0.01</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> </tr> </table>				35	35	0.12	1.5	1.5	1.5	1.5	1.5	15	15	0.07	0.75	0.75	0.75	0.75	0.75	10	10	0.05	0.50	0.50	0.50	0.50	0.50	7	7	0.04	0.40	0.40	0.40	0.40	0.40	5	5	0.03	0.30	0.30	0.30	0.30	0.30	3	3	0.02	0.20	0.20	0.20	0.20	0.20	2	2	0.01	0.10	0.10	0.10	0.10	0.10
35	35	0.12	1.5	1.5	1.5	1.5	1.5																																																								
15	15	0.07	0.75	0.75	0.75	0.75	0.75																																																								
10	10	0.05	0.50	0.50	0.50	0.50	0.50																																																								
7	7	0.04	0.40	0.40	0.40	0.40	0.40																																																								
5	5	0.03	0.30	0.30	0.30	0.30	0.30																																																								
3	3	0.02	0.20	0.20	0.20	0.20	0.20																																																								
2	2	0.01	0.10	0.10	0.10	0.10	0.10																																																								
		MEDIUM ☒ PREFERRED ☐																																																													
		0.012 0.016 0.025 0.040 0.063 0.1																																																													
THIRD ANGLE PROJECTION		DRWG. BY <i>W. J. J.</i> CHECKED BY <i>W. J. J.</i> DESIGNED BY <i>W. J. J.</i> DATE <i>7-2-54</i> PROJ. ENG. <i>W. J. J.</i> PROD. <i>W. J. J.</i>		FIRST USED ON MJ11-A		<i>digital</i>																																																									
 REMOVE BURRS AND BREAK SHARP CORNERS DO NOT SCALE DWG		TITLE POWER SUPPLY MJ11																																																													
MATERIAL SEE PARTS LIST		NEXT HIGHER ASSY. B-D-701094-0 SCALE 1:1		SIZE CODE E AD 70101094-0-0		NUMBER REV C																																																									
FINISH		SHEET 1 OF 2		DIST																																																											

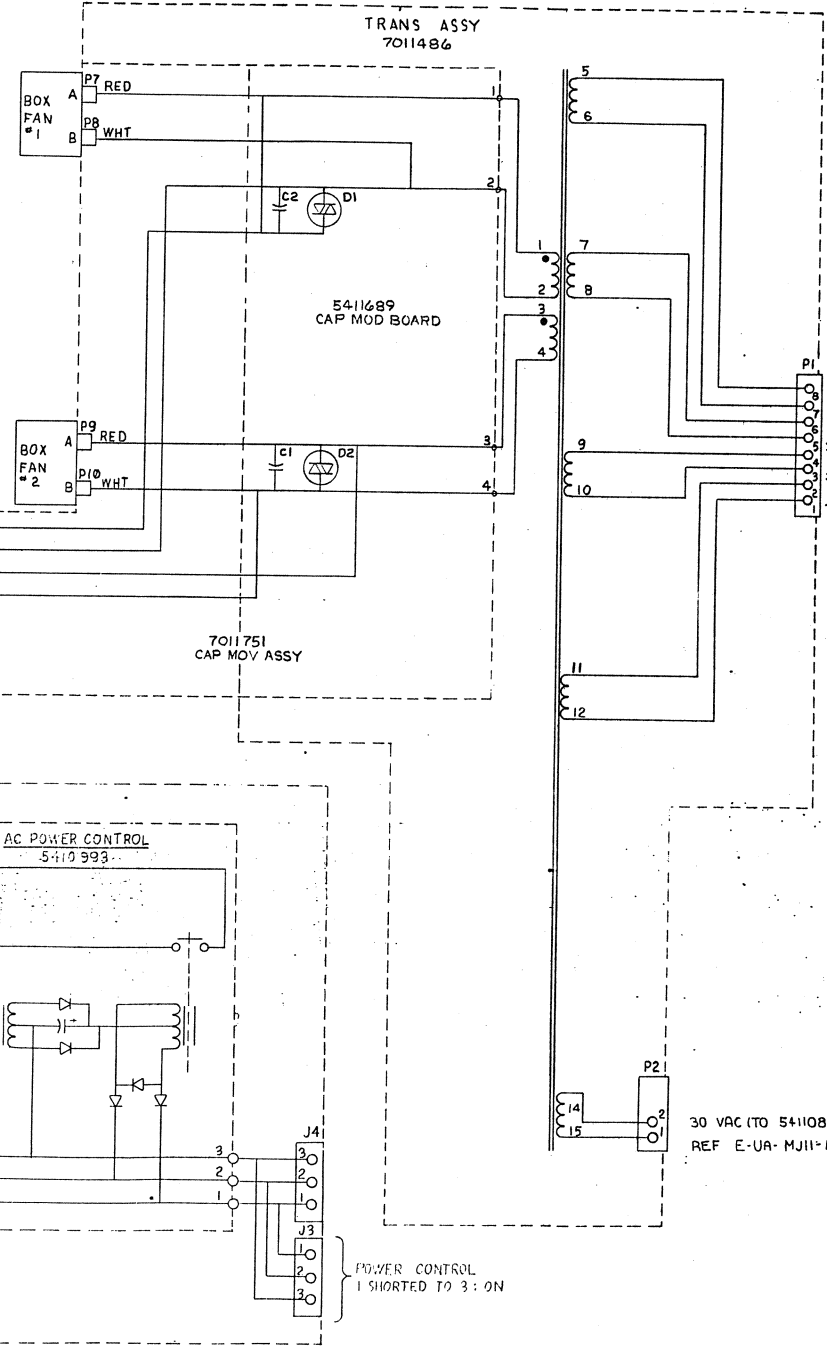
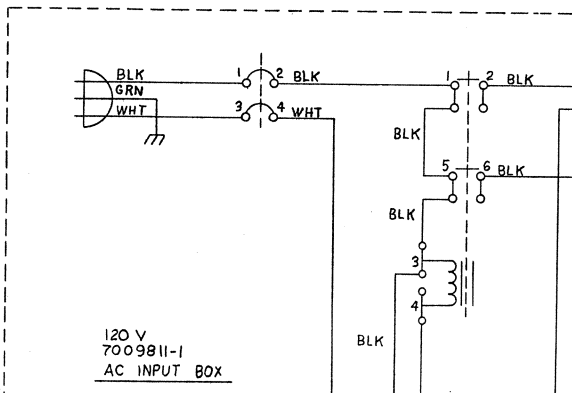
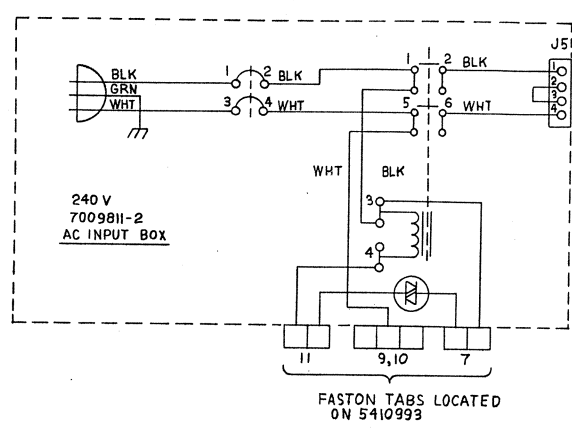
1. TIGHTEN FAN SCREWS TO 10 IN-LBS WITH A TORQUE SCREW DRIVER.
2. ~~USE ITEM # 27 IN PLACE OF ITEM # 16 WHEN USING ROTRON FANS.~~
3. FOR ITEM # 6 (DEC SPEC # 1211714-00) USE ONLY 1/2" HIGH FAN IN THIS ASSY. DO NOT USE 2" HIGH FAN.
4. ATTACH GROUND WIRE FROM TRANSFORMER (GRN/YEL WIRE) USING EXISTING HARDWARE.



1	1	TRANSFORMER ASSY	E-1A-7011486-0-0	36
4	4	WASHER, LOCK, EX. TOOTH #10	9006635-3	35
2	2	FAN GUARD	1212561-0-0	34
2	2	DECAL, HIJI POWER SUPPLY	3612422-00	33
7	7	WASHER, FLAT #6	9006658	32
1	1	DECAL "NFA"	1A-5307413-0-0	31
1	1	DECAL "UL"	1A-5307414-0-0	30
1	1	PWR. LINE FLAMM/5V REG	D-C5-5410086-0-1	29
4	4	WASHER, FLAT #50 X 200-10	9006688	28
REF	REF	SCR, PHL. HD. #6-32X2.25	9007618-1	27
A/R	A/R	PERMA BOND	9009157	26
10	10	GROMMET STRIP	9008291	25
4	4	WRAP, TIE 1/8 W	9007880	24
3	3	WASH, CSK #6	9008270	23
1	1	STICKER, DANGER HIGH VOLTAGE	3610267	22
4	4	WASH, INT. TOOTH LOCK #8	9006534	21
1	1	TROUGH, WIRE	D-1A-7009359-0-0	20
1	1	COVER, POWER SUPPLY	D-1A-7003949-0-0	19
4	4	SCR, PHL. HD. TRUSS #6-32X.62	9006040-3	18
4	4	SCR, PHL. HD. TRUSS #6-32X.50	9006073-03	17
4	4	SCR, PHL. HD. TRUSS #6-32X.175	9006031-3	16
1	1	GROMMET .50 I.D	9007016	15
1	1	CHASSIS, POWER SUPPLY	E-1A-70039752-0-0	14
REF	REF	SCREW, FLAT HEAD	B-1A-7002599-0-0	13
2	2	SCR, PHL. FLT. HD. #4-40X.55	9006031-2	12
12	12	WASH, INT. TOOTH #10	9006635	11
13	13	WASH, INT. TOOTH #6	9006639	10
8	8	SCR, PHL. HD. TRUSS #10-32X.25	9008007-3	9
11	11	SCR, PHL. HD. TRUSS #6-32X.38	9008022-3	8
3	3	SCR, PHL. FLT. HD. #6-32X.31	9008404-2	7
2	2	FAN, 115VAC 50/60 HZ (1/2)	1211714-00	6
2	2	+20V REGULATOR (H754)	B-00-H754-0	5
2	2	+5V REGULATOR (H744)	B-00-H744-0	4
1	1	AC INPUT BOX ASSY 240V	D-1A-7003911-2	3
1	1	AC INPUT BOX ASSY 120V	D-1A-7003911-1	2
1	1	TRANSFORMER ASSY	E-1A-7011486-0-0	1

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CONNECTION TABLE		
FROM	TO	SIGNALS
P5 FROM TRANS. ASSY	J5 LOCATED ON AC INPUT BOX	120/140 VAC
P7 (RED)	FAN #1-A	120 VAC- HOT
P8 (WHT)	FAN #1-B	120 VAC- NEUTRAL
P9 (RED)	FAN #2-A	120 VAC- HOT
P10 (WHT)	FAN #2-B	120 VAC- NEUTRAL



REV	DESCRIPTION
1	CHANGE NO.

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LEGEND	
NUMBER	VARIATION
7009811-1	115 V 47-63 HZ 12 A
7009811-2	230 V 47-63 HZ 6 A

NOTES:

1. LEAVE .5 IN. $\pm$ 2 IN. OF OUTER INSULATION OF LINE CORD INSIDE BOX.
2. USE O-RINGS (ITEM 30) ONLY AS REQUIRED TO KEEP MATE-N-LOCK CONNECTORS SECURED INTO SHEET METAL.

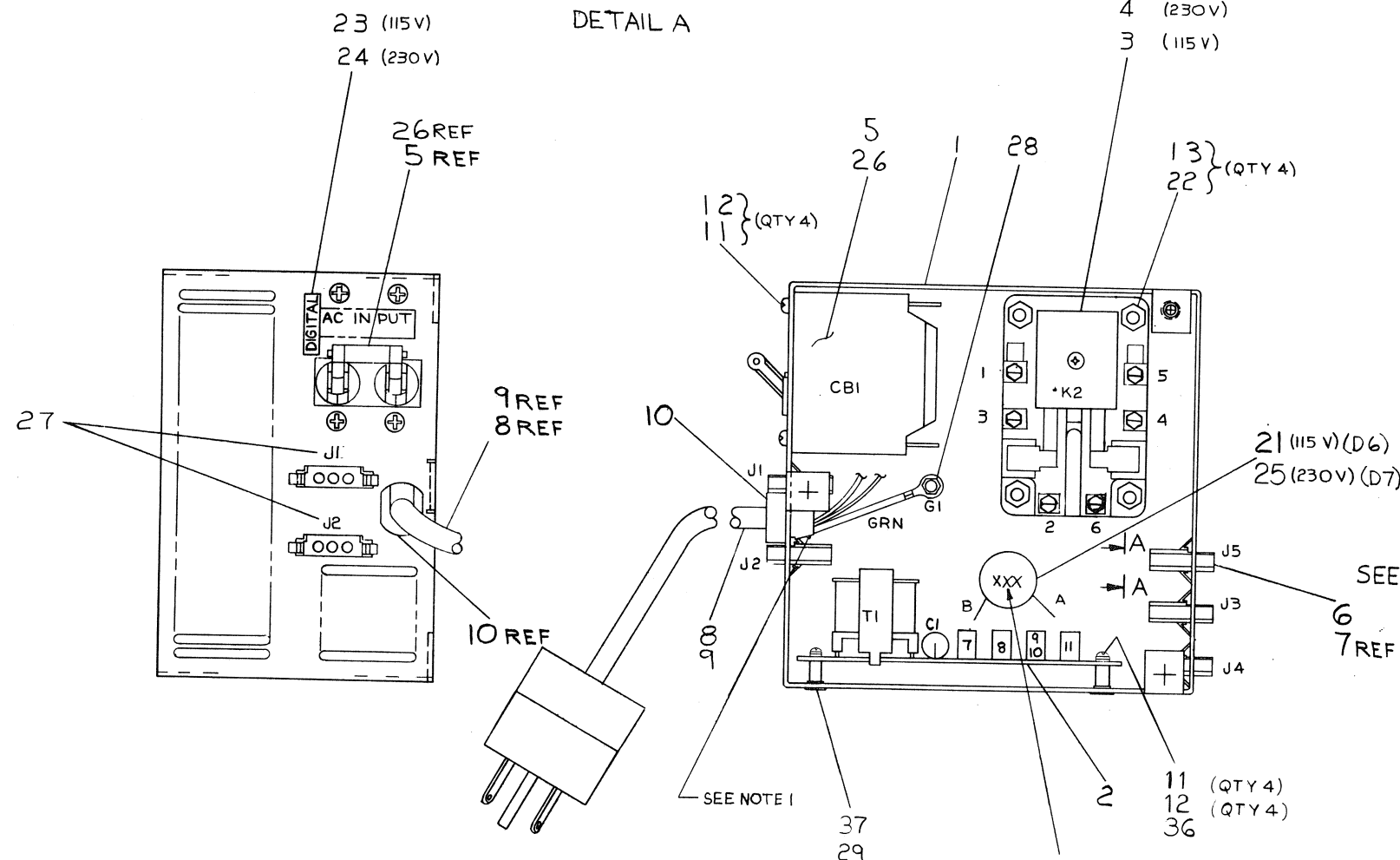
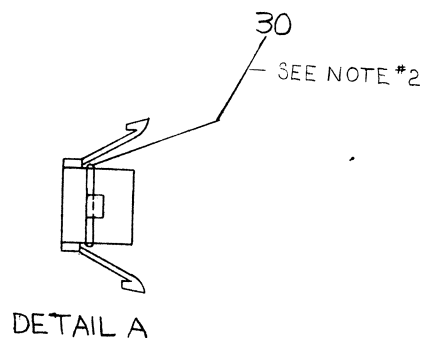
QTY.	DESCRIPTION	PART NO.	ITEM NO.
4	SCR. PH. FL. HD. 6-32 X 3/16	9008020-02	37
4	WASHER, FLAT	9006653	36
REF	A.C. INPUT BOX ASSEMBLY PROCEDURE	A-SP-7009811-0-9	35
REF	TESTER PARTS LIST	A-PL-7009811-TA-0	34
REF	TESTER TEST PROCEDURE	A-SP-7009811-0-8	33
REF	TESTER U.A.	A-UA-7009811-0-8	32
REF	TESTER C.S.	A-CS-7009811-0-8	31
5	O-RING .62	9009640	30
4	SPACER 6-32 X 3/8"	9006844	29
1	NUT, KEPS #8-32	9006563	28
1	DECAL	A-DC-7409873-0-0	27
1	CIRCUIT BRK 10 A.	1210191-0	26
1	VARIATOR (D7) ASSY	C-IA-7010300-2-0	25
1	DECAL 230V 47-63 HZ 6 A	A-DC-7412303-0-0	24
1	DECAL 115V 47-63 HZ 12 A	A-DC-7412303-0-0	23
4	SCR PH FL HD #6-32 X 50	9006024-2	22
1	VARIATOR (D6) ASSY	C-IA-7010300-1-0	21
2	POWER JUMPER (BLK)	D-IA-7010301-2-0	20
1	POWER JUMPER (BLK)	D-IA-7010301-3-0	19
2	POWER JUMPER (BLK)	D-IA-7010301-4-0	18
1	POWER JUMPER (WHT)	D-IA-7010301-5-0	17
2	POWER JUMPER (WHT)	D-IA-7010301-6-0	16
1	POWER JUMPER (BRN)	D-IA-7010301-7-0	15
1	POWER JUMPER (BLK)	D-IA-7010301-1-0	14
4	NUT KEPS #6-32	9008185	13
8	WASHER, INT TOOTH #6	9006633	12
8	SCR PHL PAN HD #6-32 X 25	9006020-1	11
1	STRAIN RELIEF	9008509	10
1	POWER CORD 230V	D-AD-7010131-2-0	9
1	POWER CORD 115V	D-AD-7010131-1-0	8
1	PWR CONTROL HARN. 230V	D-IA-7010302-2-0	7
1	PWR CONTROL HARN 110V	D-IA-7010302-1-0	6
1	CIRCUIT BREAK 20A	1210191-06	5
1	RELAY 230V	1211222-02	4
1	RELAY 115V	1211222-01	3
1	AC PWR CONTR BOARD	D-C5-5410993-0-1	2
1	CHASSIS, COMP. MTG.	D-IA-7009812-0-0	1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
B11-K					
DIMENSIONAL TOLERANCE		PARTS LIST			
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		DRN. <i>E. Ferguson</i>	DATE <i>6-16-74</i>	digital	
MILLIMETERS		CHKD. <i>R. J. W. W.</i>	DATE <i>6-27-74</i>		
X.XX $\pm$.10		ENG. <i>R. J. W. W.</i>	DATE <i>7-11-74</i>		
X.X $\pm$.05		PROJ. ENG. <i>R. J. W. W.</i>	DATE <i>9-11-74</i>		
X $\pm$.2		PROD. <i>R. J. W. W.</i>	DATE <i>9/11/74</i>	TITLE	
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		AC INPUT BOX ASS'Y.	
MATERIAL		SEE PARTS LIST		SIZE CODE	
FINISH		SCALE NONE		NUMBER	
		SHEET 1 OF 2		D AD 7009811-0-0	
				REV. C	

D
C
B
A

D
C
B
A

A



XXX SIGNIFIES NOMENCLATURE ON VARISTOR

REV.	CHANGE NO.	REV.
1	H765-00003	A
2	7009811-00001	B
3	7009811-00002	C
4	7009811-00003	D
5	7009811-00004	E
6	7009811-00005	F
7	7009811-00006	G
8	7009811-00007	H
9	7009811-00008	I
10	7009811-00009	J
11	7009811-00010	K
12	7009811-00011	L
13	7009811-00012	M
14	7009811-00013	N
15	7009811-00014	O
16	7009811-00015	P
17	7009811-00016	Q
18	7009811-00017	R
19	7009811-00018	S
20	7009811-00019	T
21	7009811-00020	U
22	7009811-00021	V
23	7009811-00022	W
24	7009811-00023	X
25	7009811-00024	Y
26	7009811-00025	Z

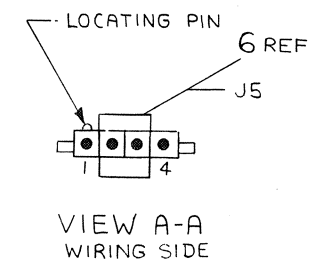
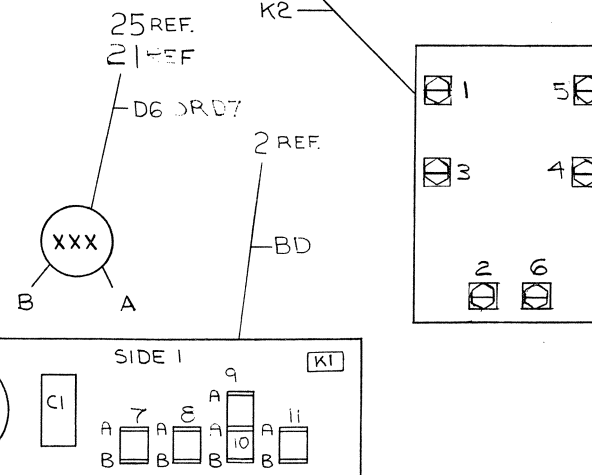
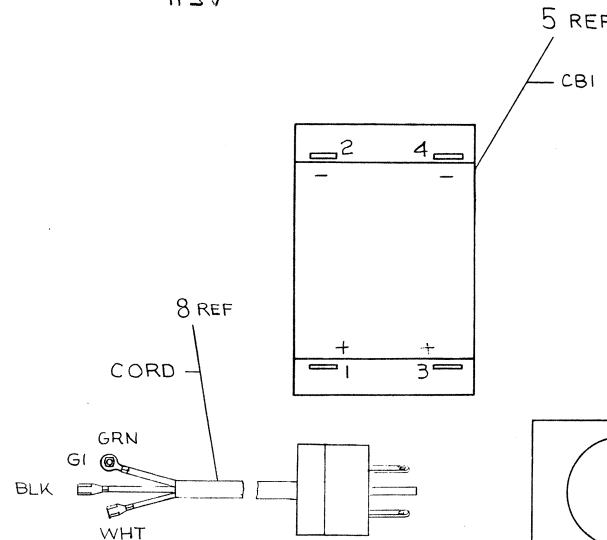
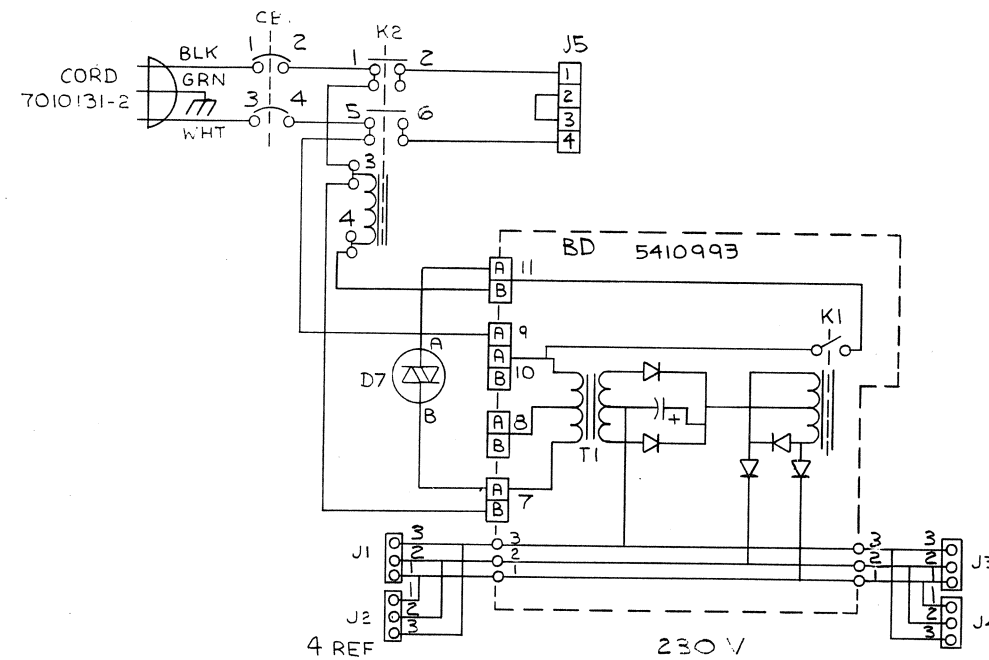
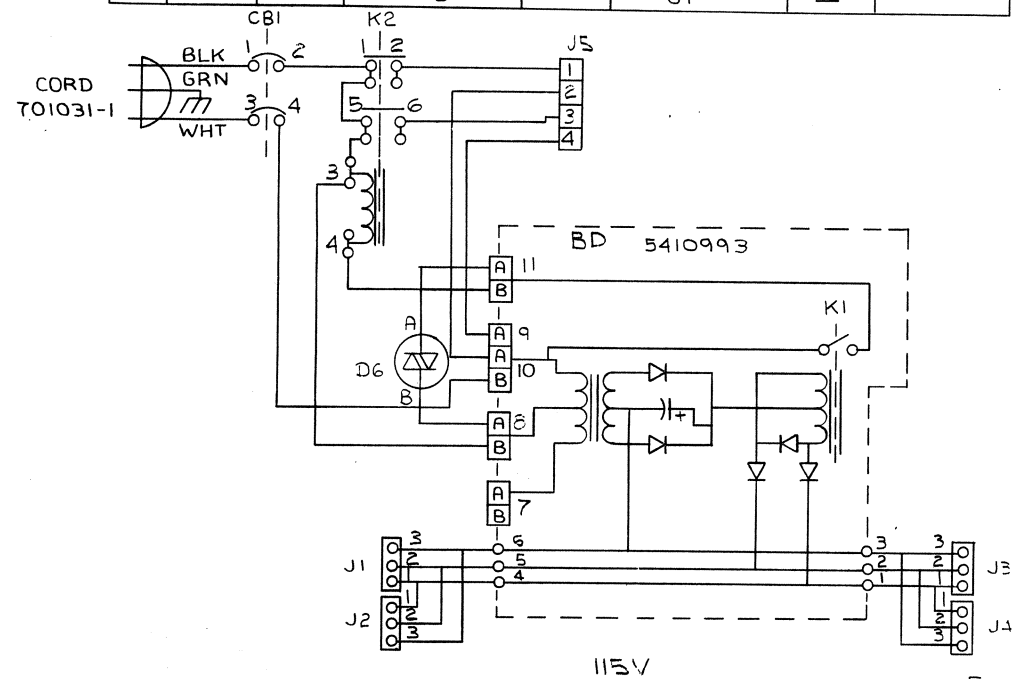
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WIRE TABLE (157)

ITEM NO.	DESCRIPTION	CONNECTION	CONNECTION	REMARKS
		FROM	WITH	
8	14	BLK	CORD	
8	14	WHT	CORD	
14		BLK	CB1-2 (-)	
18		BLK	K2-5	
18		BLK	K2-3	
19		BLK	BD-8B	
17		WHT	CB1-4 (-)	
6		WHT	BD-10A	
6		WHT	BD-9A	
15		BRN	K2-4	
6		BLK	K2-6	
6	14	BLK	K2-2	
21	22	RED	D6-A	
21	22	RED	D6-B	
8	14	GRN	CORD	

WIRE TABLE 2-07

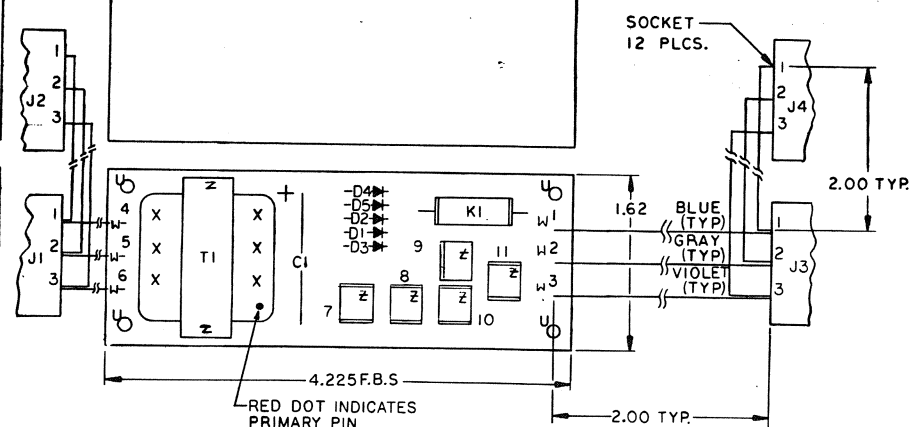
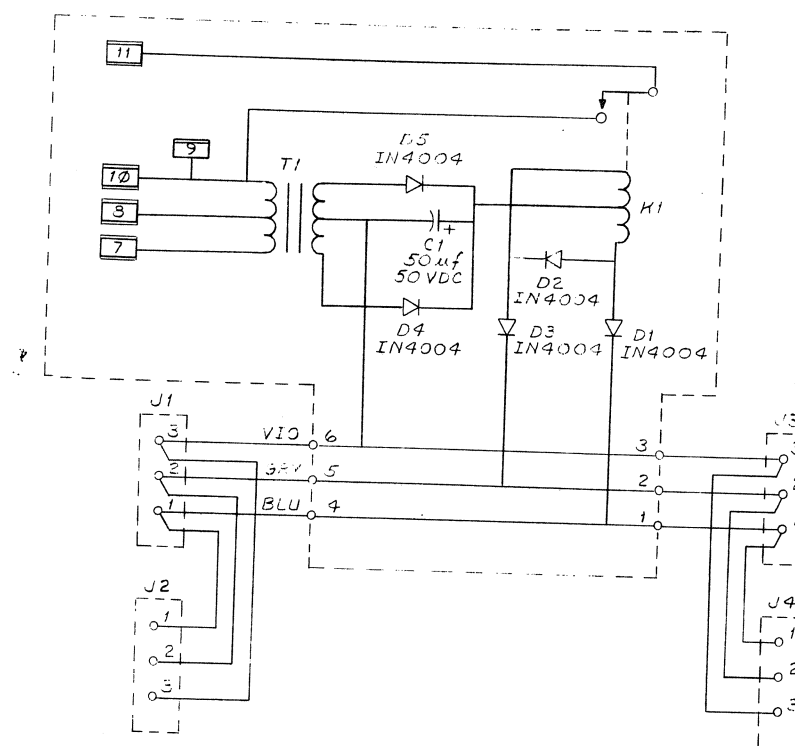
ITEM NO.	DESCRIPTION	CONNECTION	CONNECTION	REMARKS
		FROM	WITH	
8	14	BLK	CORD	
8	14	WHT	CORD	
14		BLK	CB1-2	
20		BLK	K2-3	
19		BLK	K2-3	
16		WHT	K2-5	
16		WHT	K2-5	
15		BRN	K2-4	
7		BLK	K2-2	
7		BLK	J5-2(REF)	
7	14	WHT	K2-6	
25	22	RED	D7-A	
25	22	RED	D7-B	
8	14	GRN	CORD	



CHK	REVISIONS	CHANGE NO.	REV.
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TITLE	SCALE	SHEET	NO. OF SHEETS	NUMBER	REV.
AC INPUT BOX ASS'Y.	NONE	2	OF 2	DAD 7009811-0-0	C

NOTES:



REV. B		5410993-0-1		SIZE CODE	2	1
REF		X-Y COORDINATE HOLE LOCATION	K-CO-5410993-0-4	1		
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-5410993-0-5	2		
REF		MODULE ECO HISTORY	B-MH-5410993-0-6	3		
1		ETCHED CIRCUIT BOARD	5010992	4		
1	C1	CAP. 50 μ f 50 VDC	10000080	5		
5	D1 THRU D5	DIODE IN4004	1105796	6		
1	K1	REED RELAY	1211179	7		
4	J1 THRU J4	CONNECTOR, MATE-N-LOCK, 3 SKT	1209350-03	8		
12		PIN, MATE-N-LOCK SKT, FEMALE	1209379-00	9		
1	T1	TRANSFORMER	1611178	10		
4	7, 8, 10, 11	FASTON TAB, DUEL	9007113	11		
1	9	FASTON TAB, SINGLE	9008219	12		
5		EYELET	9009000	13		
				14		
		WIRE, #18 AWG, BLUE	9107360-66	15		
		WIRE, #18 AWG, VIOLET	9107360-77	16		
		WIRE, #18 AWG, GRAY	9107360-88	17		

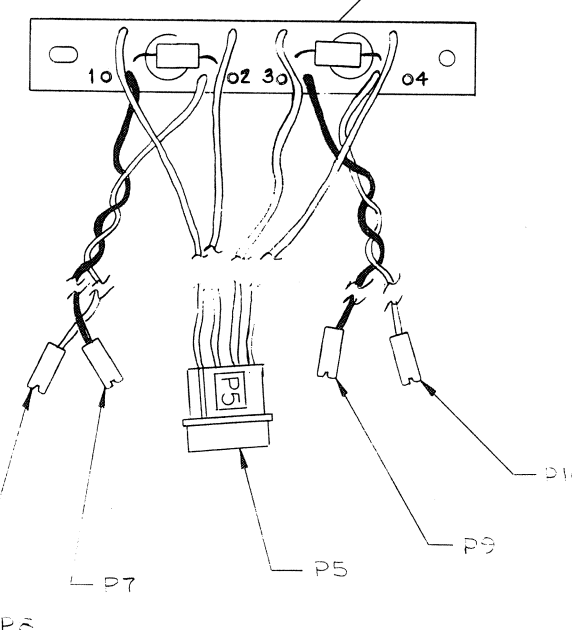
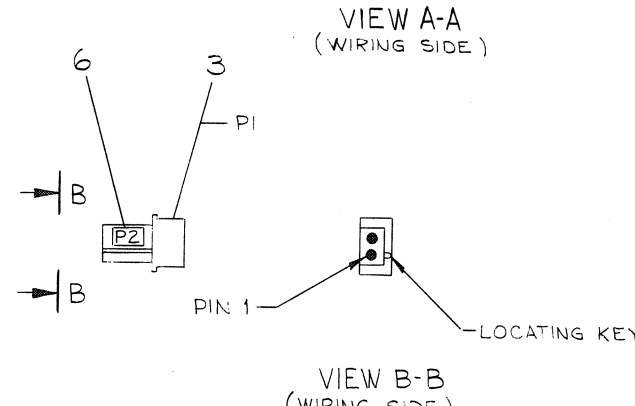
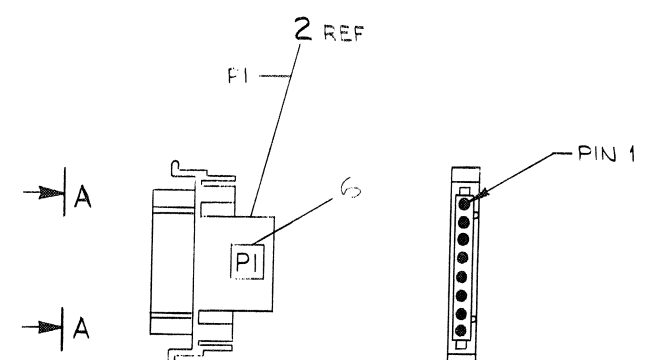
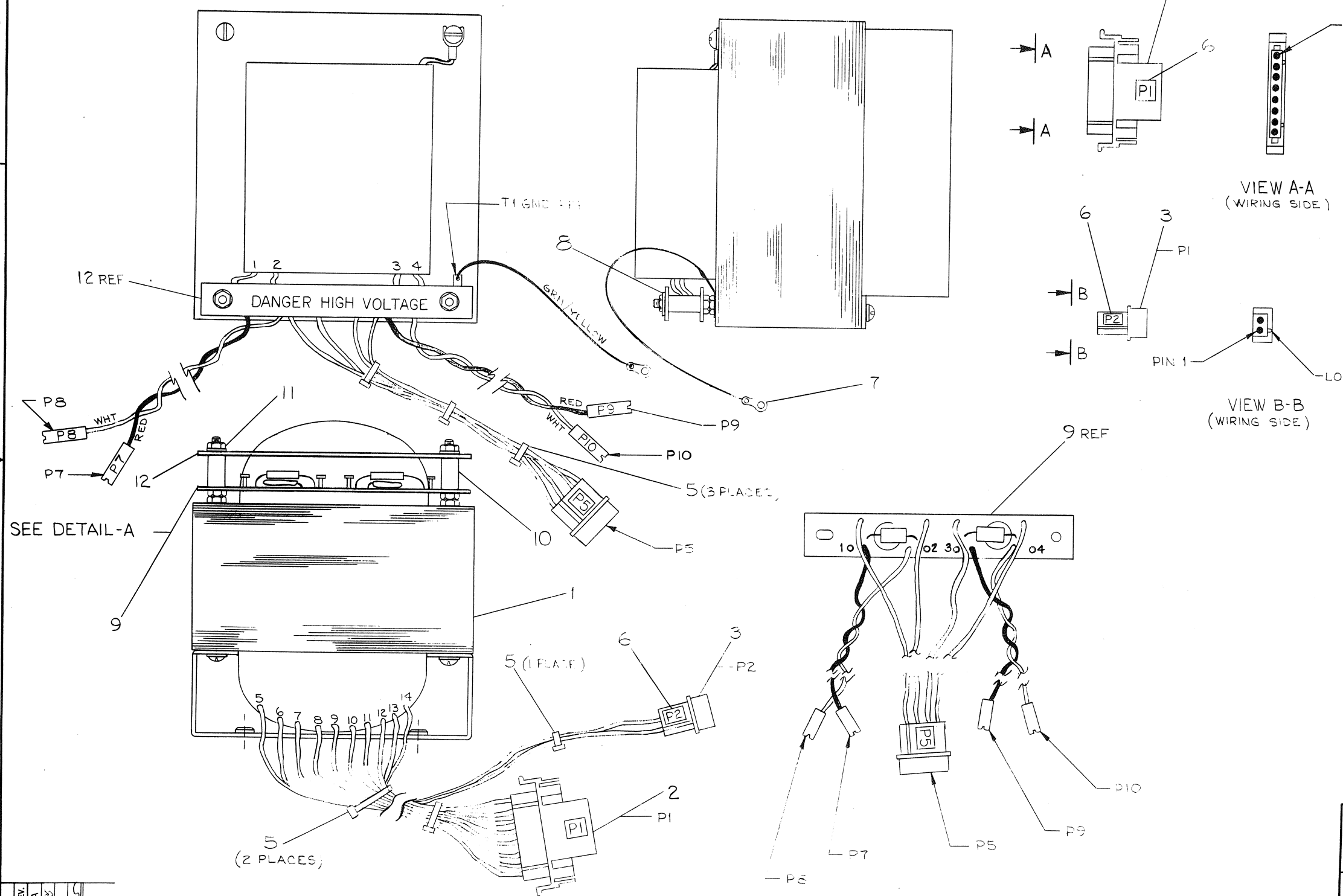
QTY	REF. DESIGNATION	DESCRIPTION										PART NO.	ITEM NO.
PARTS LIST													
ETCH BOARD REV.		C											
			DRN: J. J. Vincent	DATE 7-28-74	digital TITLE AC POWER CONTROL BOARD								
			CHKD: Raymond C. [Signature]	DATE 8/1/74									
			ENG: R. W. [Signature]	DATE 8/1/74									
			PROJ. ENG. R. W. [Signature]	DATE 8/1/74									
			PROD. W. K. [Signature]	DATE 8/24/74									
			NEXT HIGHER ASSY										
DEC NO.		EIA NO.		D-AD-7009811-0-0				SIZE CODE		NUMBER		REV.	
CONVERSION CHART				SCALE		D-15		5-10223-0-1		3			
				SHEET		OF 1		DIST.					

100-47-104	1-27-75
B. KENNEDY	
5410993-000G1	B
ORIGINATED	
☒ CHK	CHANGE NO.
REV.	

FIRST USED ON OPTION MODEL		REF. DESIGNATION	
H765		ETCH BOARD REV.	
REVISIONS			
DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			

[illegible]DEC FORM NO
DDO 135.8

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REF	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	COVER	C-IA-7414301-0-0	12
2	NUT, KEP#10-32	9006565	11
3	SPACER, 3/8ODx 1/2LG	9007831	10
4	CAP MOV BOARD ASSY	D-IA-701751-0-0	9
5	WASHER FLAT .437X.218ID	9006664	8
6	GROUND LUG	9008150	7
7	DECAL	A-DC-7409872-0-0	6
8	CABLE TWC 5/4Lx1/8W	9007820	5
9	PIN, MALE	1209378-1	4
10	CONN., 2 PIN	1210822-2	3
11	CONN., 8 PIN	1209340-01	2
12	TRANSFORMER	1612524	1

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	TRANSFORMER	1612524	1

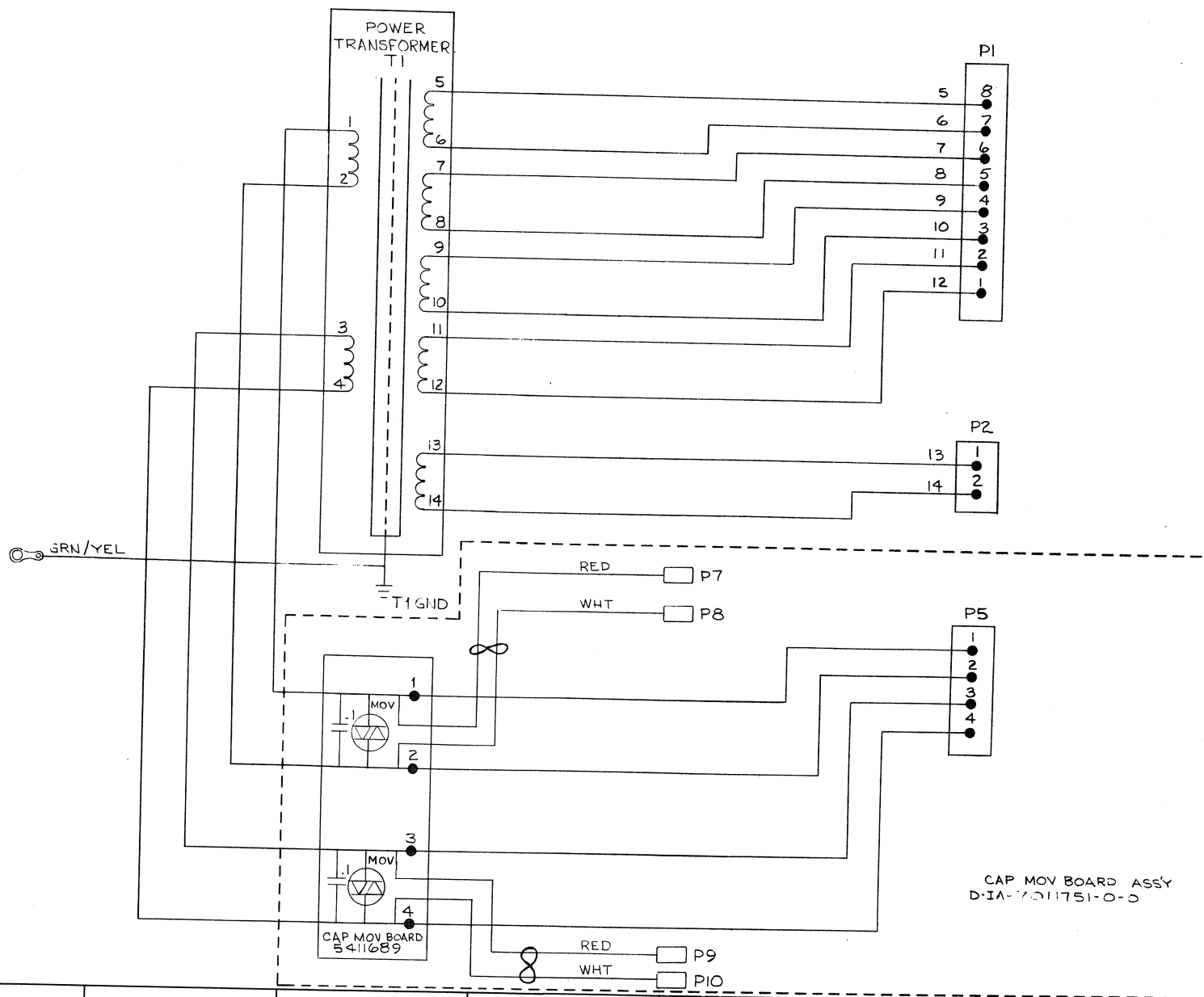
THIRD ANGLE PROJECTION	DRN. BY: [Signature]	FIRST USED ON	H782
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D BY: [Signature]	TITLE	TRANSFORMER ASSY
DO NOT SCALE DWG	ENG. DES. BY: [Signature]	SIZE	D
MATERIAL	PROJ. ENG. R. [Signature]	CODE	AD
SCALE	PROD. BY: [Signature]	NUMBER	7011486-0-0
FINISH	NEXT HIGHER ASSY.	REV.	A
SHEET 1 OF 2			

REV.	CHANGE NO.	DATE	BY	APP.
1	7011486-00001	10-15-75	B. WOLF	

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WIRE TABLE

ITEM NO.	AWS	COLOR	FROM		TO		WIRE LENGTH
			CONNECTION	WITH	CONNECTION	WITH	
1	14	BLK	TI-1	---	CAP MOV BD-1	SOLDER	1.5 IN
			TI-2	---	CAP MOV BD-2	SOLDER	2.0 IN
			TI-3	---	CAP MOV BD-3	SOLDER	2.0 IN
			TI-4	---	CAP MOV BD-4	SOLDER	1.5 IN
			TI-5	---	PI-8	ITEM 4	12.0 IN
			TI-6	---	PI-7		
			TI-7	---	PI-6		
			TI-8	---	PI-5		
			TI-9	---	PI-4		
			TI-10	---	PI-3		
			TI-11	---	PI-2		
			TI-12	---	PI-1	ITEM 4	
1	14	BLK	TI-13	---	P2-1	ITEM 4	
1	14	GRN/YEL	TI-14	---	P2-2	ITEM 4	2.0 IN
			TI-GND	---	GND LUG (ITEM 7)	SOLDER	14.0 IN



REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 137

TITLE		SIZE CODE	NUMBER	REV.
TRANSFORMER ASSY		D AD	7011486-0-0	A
SCALE	1/1	SHEET	2 OF 2	DIST.