

THIS IS PRINT SET

1	2	3	4	5	6	7	8	9	10
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SEQUENCE

SEQUENCE

UNIT VARIATIONS

PRINT SET

TITLE

7010694-0	120V 50/60 HZ
7010694-1	240V 50/60 HZ

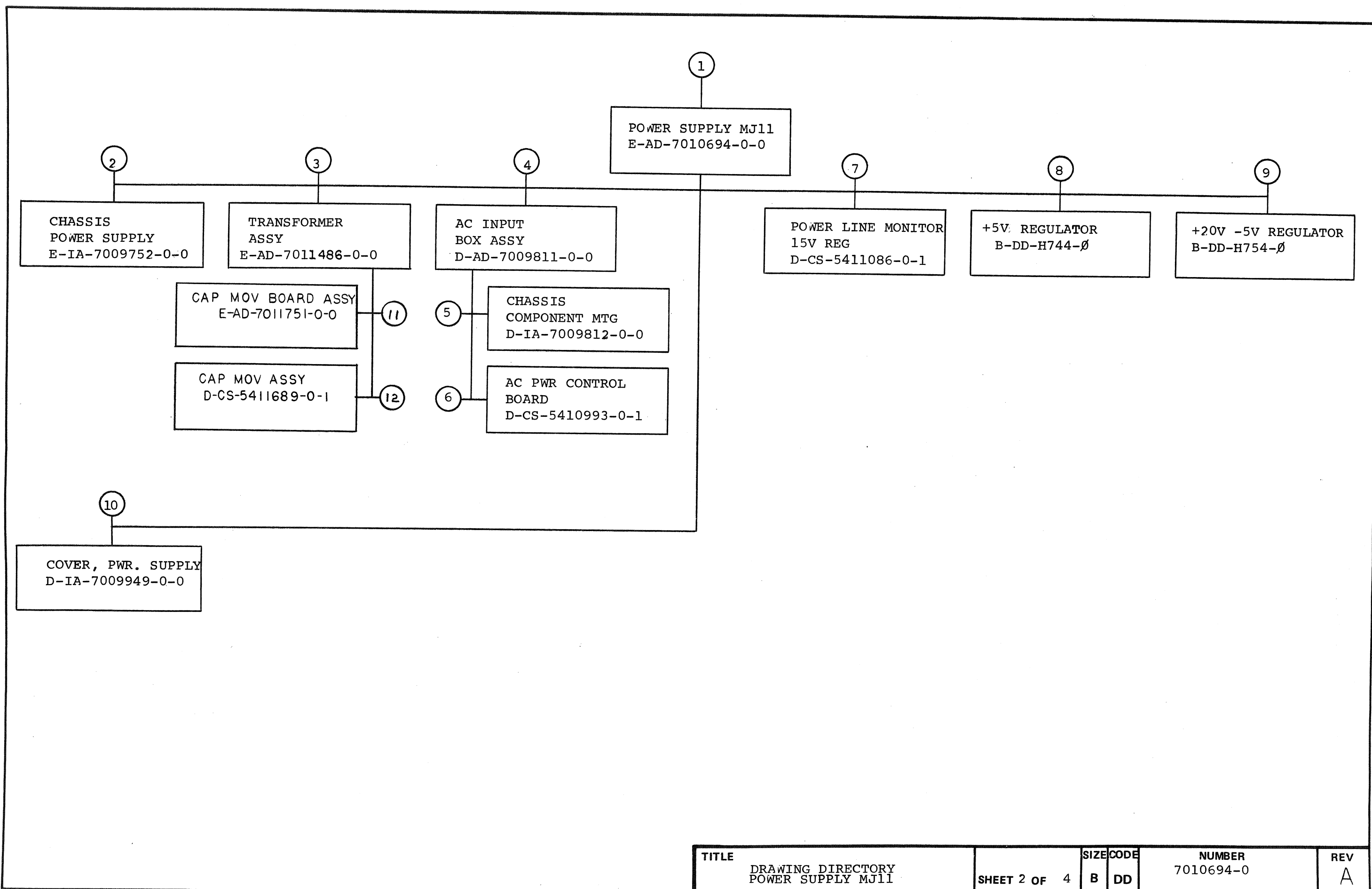
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[illegible]

REVISIONS													USED ON OPTION/MODEL		DRN. G. MARIMI		DATE 1/28/75		TITLE DRAWING DIRECTORY POWER SUPPLY (MJ11)									
DATE	CHG. NO.	REV											MJ11-A		CHK'D. D. HEALY		DATE 2/6/75											
														PROJ ENG. <i>[Signature]</i>		DATE 3/28/75												
														PROD. <i>R. Schaeff</i>		DATE 3/24/75												
												FIELD SERV. <i>[Signature]</i>		DATE 3/24/75		SIZE B	CODE DD	NUMBER 7010694-0				REV A						
												SHEET 1 OF 4				DIST												



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

E-7011 6-13-72

P DURE

B-1 Rm 6-13-72

2-7-5945-000 B



3-8-72

P DURE

3-8-72

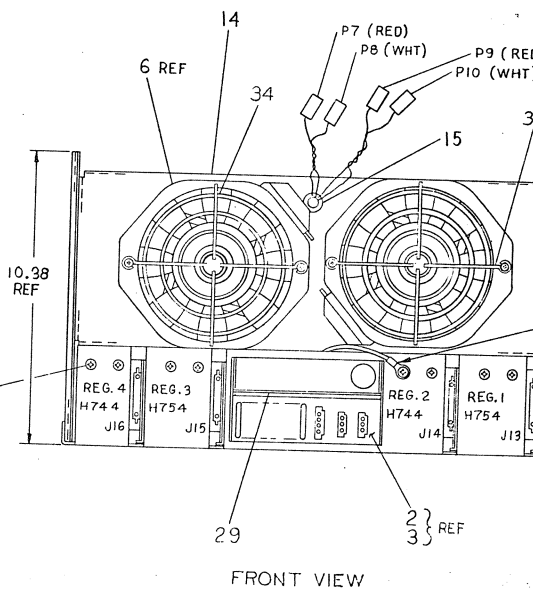
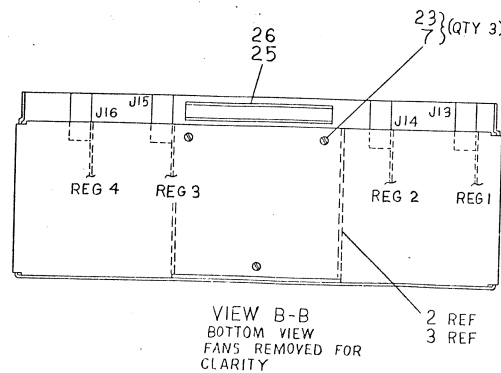
UPTN

By [Signature]

		72.06.94 - 1	
		QUANTITY & VARIATION	
THIRD ANGLE PROJECTION			
			
REMOVE BURS AND BREAK SHARP CORNERS			
DO NOT SCALE DWG			
MATERIAL SEE PARTS LIST			
FINISH			

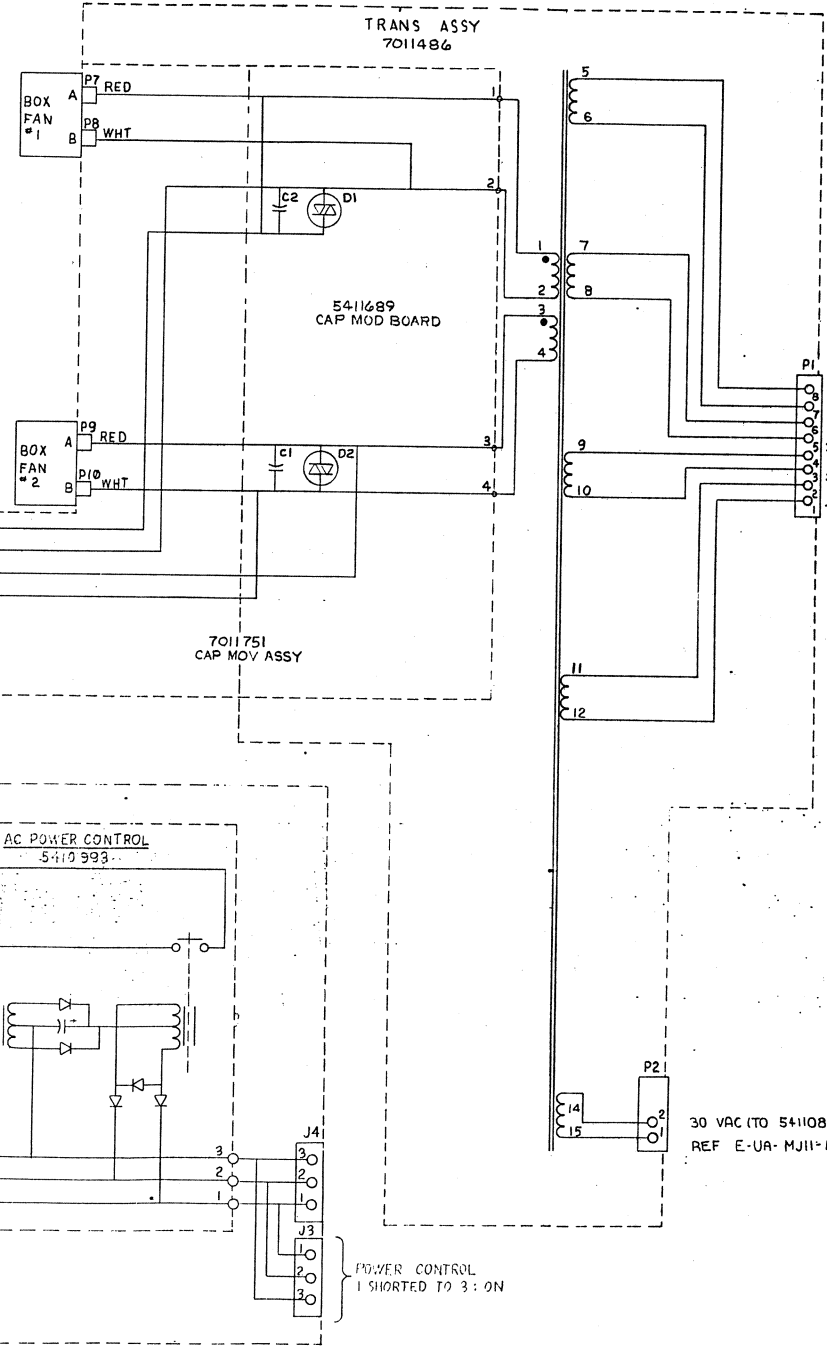
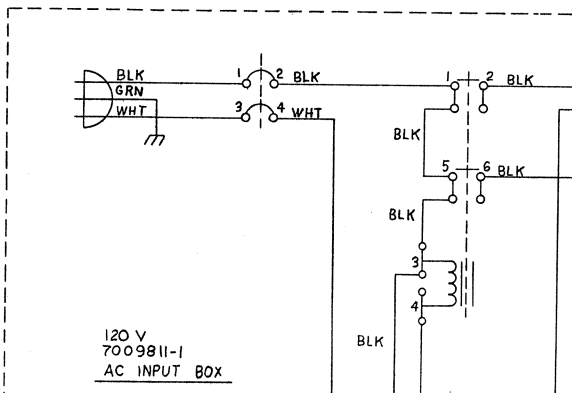
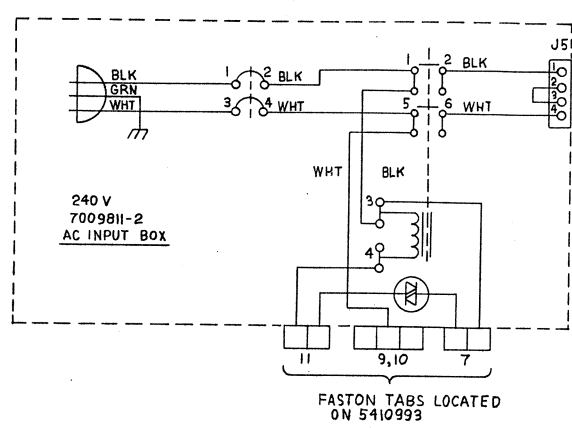
DESCRIPTION		DWG PART NO		ITEM NO	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES		NOMINAL DIMENSION RANGE INCHES			
CLASS OF ACCURACY					
(CHECK ONE!)					
SURFACE QUALITY					
MEDIUM					
MICROFINES					
PREFERRED					
DIN 9134					
CNC					
PROL ENG					
PROD ENG					
NEXT HATCH ASSY					
B-D-DY-DY-2-0					
SCALE					
SHEET					
OF 2					
DIST					
E SIZE					
AD					
7010804-0-0					
NUMBER					
REV					
C					
SCALE					
1:1					
FIRST USED					
IN DWG					
POWER SUPPLY					
MJ11					
DIGITAL					

- | | | | | |
|----|----|--------------------------------|------------------|----|
| 1 | 1 | TRANSFORMER ASSY | E-1A-701486-0 | 3 |
| 2 | 4 | WASHER, LOCK, E-100H-10 | 0009533 | 5 |
| 3 | 1 | FAN GUARD | 1212561-0-0 | 0 |
| 4 | 2 | DECAL, HUI POWER SUPPLY | 3612422-00 | 1 |
| 5 | 7 | WASHER, FLAT #6 | 9006658 | 5 |
| 6 | 1 | DECAL "INPA" | AD-5309713-0-6 | 1 |
| 7 | 1 | DECAL "UL" | AD-5309711-0-0 | 3 |
| 8 | 1 | PWR. LINE MONITOR/5V REG | DC-53-541086-0-1 | 2 |
| 9 | 1 | WASHER, FLAT, COG X 200 L | 9006648 | 6 |
| 10 | 1 | SCR, PHL, HD #6-32 X 2.5 | 9007618-1 | 2 |
| 11 | 1 | PERMA BOND | 9009157 | 2 |
| 12 | 1 | GROMMET STRIP | 9008231 | 2 |
| 13 | 4 | WRAP, TIE 1/8 W | 9007880 | 2 |
| 14 | 3 | WASH, CSK #6 | 9008270 | 2 |
| 15 | 1 | STICKER, DANGER HIGH VOLTAGE | 3610267 | 2 |
| 16 | 4 | WASH, INT. TOOTH LOCK #8 | 9006634 | 4 |
| 17 | 1 | TROUGH, WIRE | D-1A-7009350-0-0 | 2 |
| 18 | 1 | COVER, POWER SUPPLY | D-1A-7009349-0-0 | 19 |
| 19 | 4 | SCR, PHL, HD, TRUSS #3-32 X.62 | 9006604-0-3 | 18 |
| 20 | 4 | SCR, PHL, HD, TRUSS #3-32 X.50 | 90066073-03 | 17 |
| 21 | 4 | SCR, PHL, HD, TRUSS #6-32 X.75 | 90066031-3 | 16 |
| 22 | 1 | GROMMET .50 I.D | 9007010 | 4 |
| 23 | 1 | CHASSIS, POWER SUPPLY | E-1A-7009352-0-0 | 14 |
| 24 | 1 | GEAR, BALL | B-1A-7009350-0-0 | 13 |
| 25 | 2 | SCR, PHL, FLT, HD #4-10 X.59 | 9006013-2 | 12 |
| 26 | 12 | WASH, INT TOOTH #10 | 9006635 | 11 |
| 27 | 13 | WASH, INT TOOTH #6 | 9006633 | 10 |
| 28 | 8 | SCR, PHL, HD, TRUSS #3-32 X.25 | 9008007-3 | 9 |
| 29 | 11 | SCR, PHL, HD, TRUSS #6-32 X.38 | 9006022-3 | 8 |
| 30 | 3 | SCR, PHL, FLT, HD #6-32 X.31 | 9008404-2 | 7 |
| 31 | 2 | FAN, 115VAC 50/60 HZ 1/2 | 1211744-0 | 6 |
| 32 | 1 | -20V REGULATOR (H754) | 8-00-4754-0 | 5 |
| 33 | 2 | +5V REGULATOR (H74A) | 5-00-4744-0 | 4 |
| 34 | 1 | -AC INPUT BOX ASSY 240V | D-AD-7009311-2-0 | 3 |
| 35 | 1 | -AC INPUT BOX ASSY 120V | D-AD-7009311-1-0 | 2 |
| 36 | 1 | TRANSFORMER-ASSY | E-AD-7009310-0-0 | 1 |



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EQUIPMENT PLANNING

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



REF E-UA-MJ11-A-0

30 VAC (TO 5411086)
REF E-UA-MJ11-A-0

POWER CONTROL
1 SHORTED TO 3: ON

REV	DESCRIPTION
1	CHANGE NO.

TITLE	POWER SUPPLY MJ11	SIZE	CODE	NUMBER	REV
SCALE	1:1	SHEET	2	OF	2
DIST.					

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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 6A	A-DC-7412303-0-0	24
1	DECAL 115V 47-63 HZ 12A	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 PH 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		TITLE			
MILLIMETERS		AC INPUT BOX ASS'Y			
X.XX \pm 0.10		X.XX \pm 0.05			
X.X \pm 0.5		X.X \pm 0.2			
X \pm 2		X \pm 1			
THIRD ANGLE PROJECTION		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			
MATERIAL		SEE PARTS LIST			
FINISH		SCALE NONE			
SHEET 1 OF 2		DIST.			

REV.	CHANGE NO.	DATE	BY	CHK
A	H765-00003	12-19-71	E. REMOND	
B	C. NAVEDONSKY	1-10-72		
C	R. WOLF	2-10-72		
D	R. WOLF	2-10-72		

DEC 1974 NO. 100-8

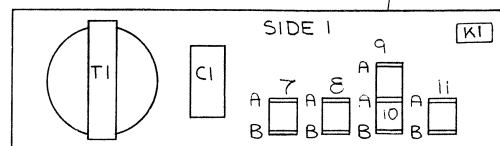
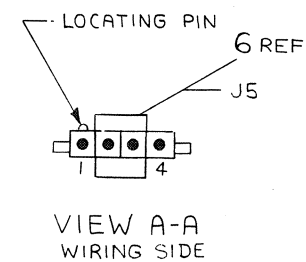
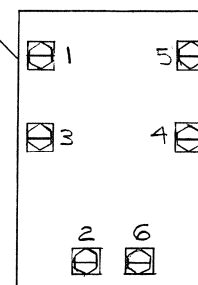
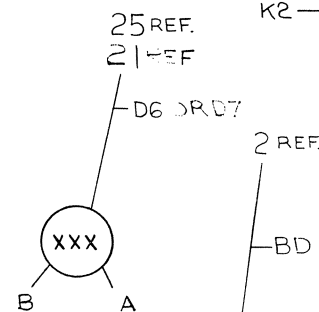
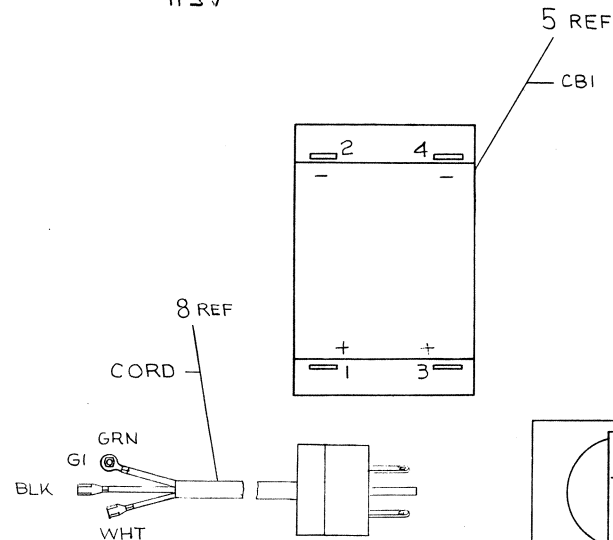
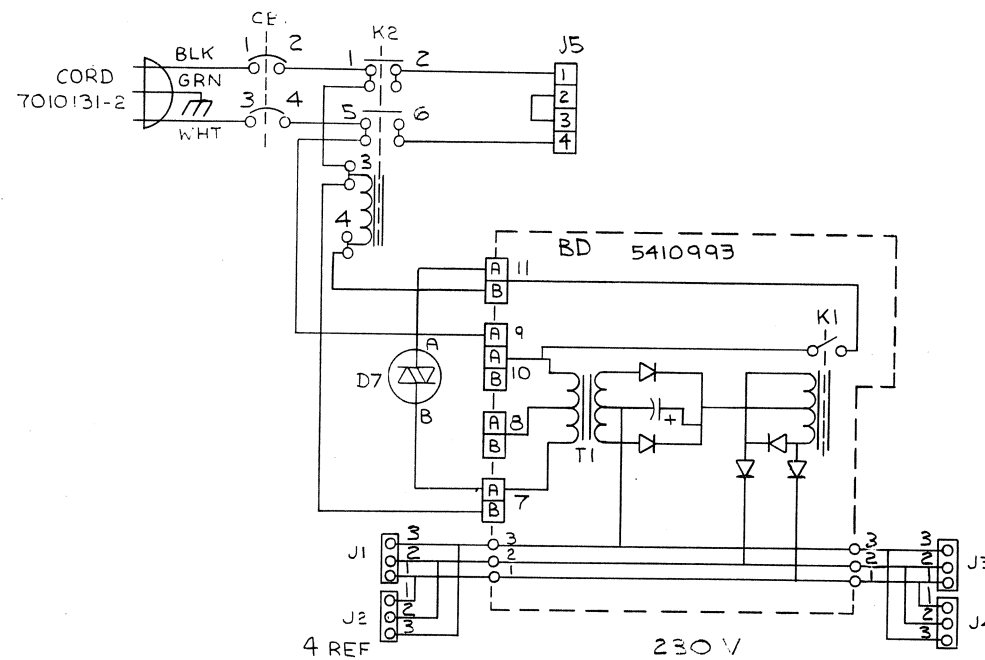
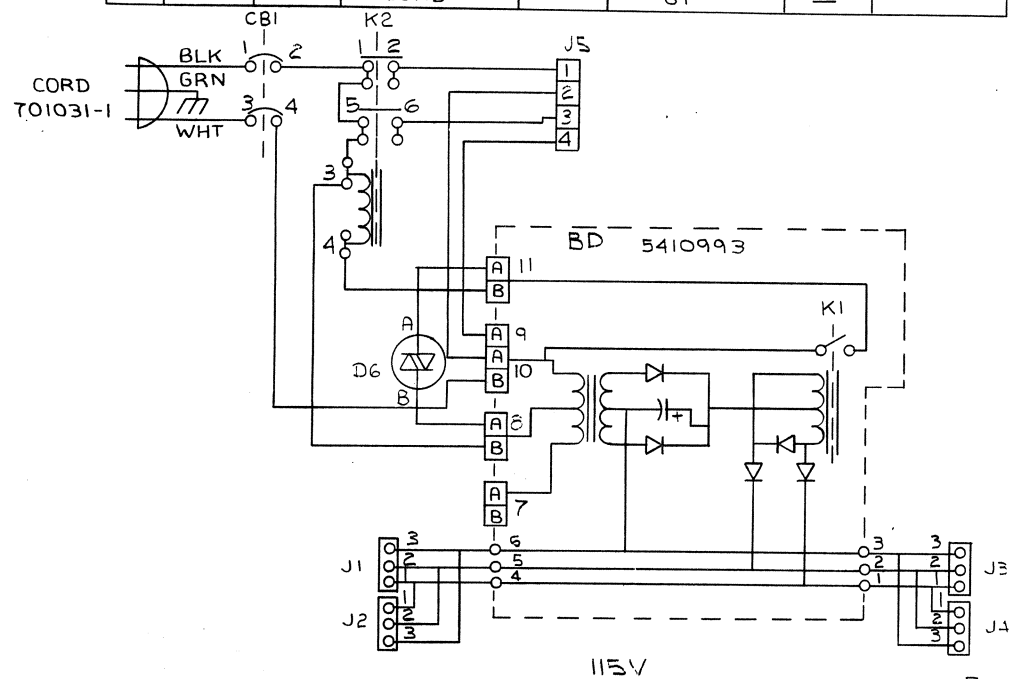
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WIRE TABLE (15/)

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 2-0/

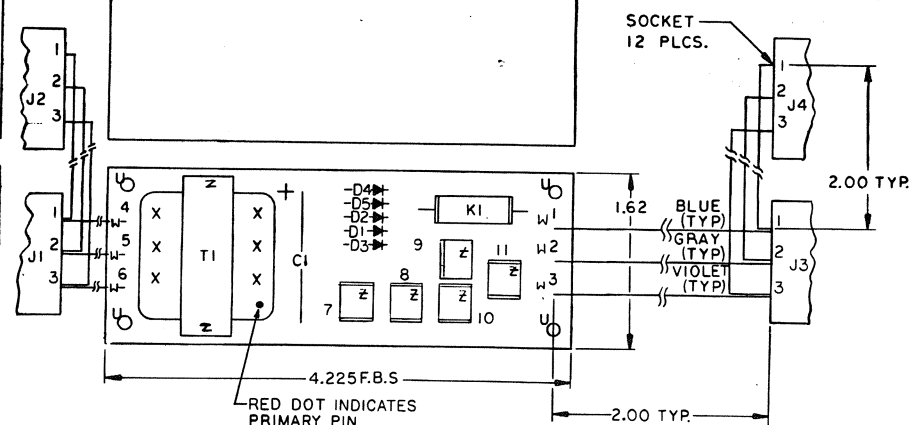
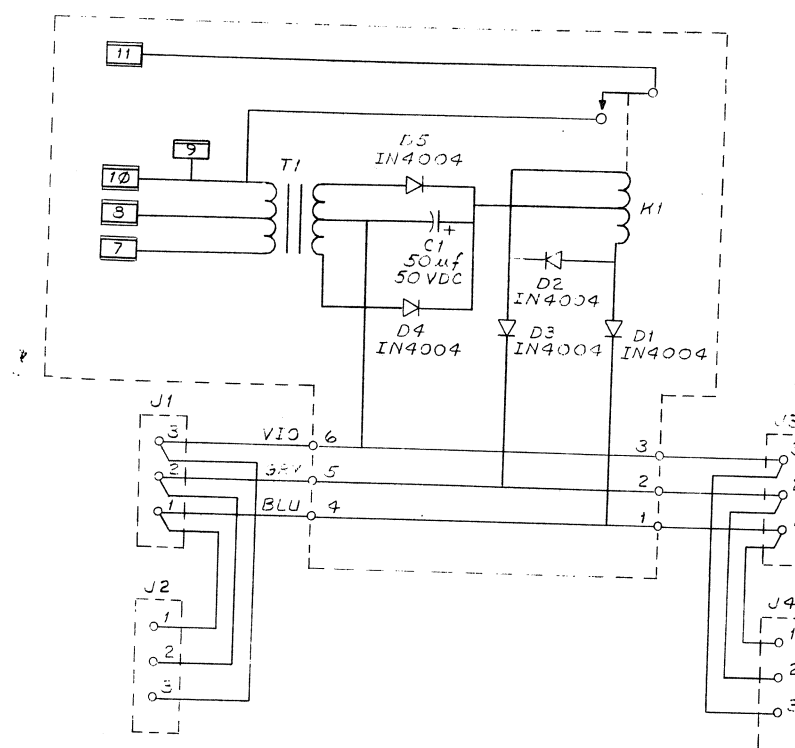
ITEM NO.	DESCRIPTION	CONNECTION	CONNECTION	REMARKS
		FROM	WITH	
8	14	BLK	CORD	
8	14	WHT	CORD	
14		BLK	CB1-2	
20		BLK	K2-3	
19		BLK	K2-3	
16		WHT	K2-5	
16		WHT	K2-5	
15		BRN	K2-4	
7		BLK	K2-2	
7		BLK	J5-2(REF)	
7	14	WHT	K2-6	
25	22	RED	D7-A	
25	22	RED	D7-B	
8	14	GRN	CORD	




CHK	CHANGE NO.	REV.
-----	------------	------

TITLE	AC INPUT BOX ASS'Y.	SIZE CODE	NUMBER	REV.
SCALE	NONE	SHEET	2 OF 2	C
DIST.				

NOTES:



REF		CS5410993-0-1	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: <i>J. J. Vincent</i>	DATE: <i>7-30-74</i>	 TITLE AC POWER CONTROL BOARD	
		CHKD: <i>Raymond C.</i>	DATE: <i>8/1/74</i>		
		ENG: <i>K. W. J. J.</i>	DATE: <i>8/1/74</i>		
		PROJ. ENG: <i>K. W. J. J.</i>	DATE: <i>8/1/74</i>		
		PROD: <i>W. K. Vincent</i>	DATE: <i>8/1/74</i>		
		NEXT HIGHER ASSY			
DEC NO.	EIA NO.	D-AD-7009811-0-0		SIZE CODE	NUMBER
CONVERSION CHART		SCALE		15	5-10223-0-1
		SHEET OF 1		REV. 3	
		DIST.			

100-47-104	1-27-75
B. KENNEDY	
100-47-104	10/10/75
5410993-000G1	B
ORIGINATED	A
CHK	CHANGE NO.
REV.	

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

[illegible]

12 REF

1 2 3 4

DANGER HIGH VOLTAGE

TIG WELD

8

GRN/YELLOW

7

P8

WHT

P7

RED

11

12

SEE DETAIL-A

9

5 (3 PLACES)

10

P9

P10

P5

5 (1 PLACE)

6

3

P2

5

6 7 8 9 10 11 12 13 14

5 (2 PLACES)

P1

9 REF

10 02 30 04

P5

P9

P10

P7

P2

P1

VIEW A-A
(WIRING SIDE)

VIEW B-B
(WIRING SIDE)

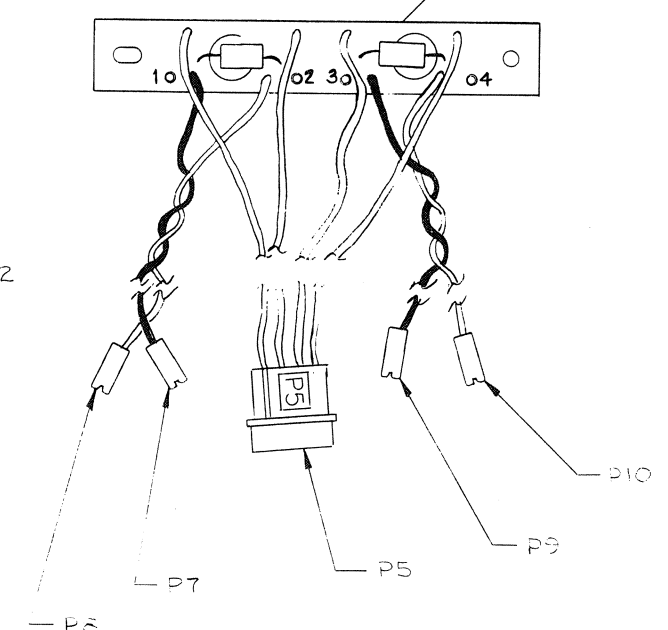
PIN 1

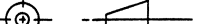
LOCATING KEY

REF	TRANSFORMER ASSY PROCEDURE	A-SP-7011486-0-9
1	COVER	C-IA-7414301-0-0
2	NUT, KEP#10-32	9006565
2	SPACER, 3/80D X 1/2LG	9007831
1	CAP MOV BOARD ASSY	D-IA-7011751-0-0
2	WASHER, FLAT #37X.218ID	9006664
1	GROUND LUG	9008150
1	DECAL	A-DC-7409872-0-0
A/R	CABLE T.W.C. 5/16L X 1/8W	9007820
10	PIN, MALE	1209378-1
1	CONN., 2 PIN	1210822-2
1	CONN., 8 PIN	1209340-01
1	TRANSFORMER	1612524


DESCRIPTION		DWG./PART NO.		ITEM
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES		
SURFACE QUALITY IN	MEDIUM	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0
		OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	
MEDIUM		±.004	±.008	±.012
		±.016	±.024	

QUANTITY &



VARIATION		MICRONS		PREFERRED		2.012		2.016		2.022		2.04		2.063		2.07			
THIRD ANGLE PROJECTION				DRN.T. <i>W. J. ...</i> CHK'D. <i>W. J. ...</i> ENG. <i>W. J. ...</i> PROJ. ENG. <i>W. J. ...</i> PROD. <i>W. J. ...</i>		FIRST USED ON		H782		<div style="border: 1px solid black; padding: 2px;">digital</div>		TITLE TRANSFORMER ASSY							
REMOVE BURRS AND BREAK SHARP CORNERS		DO NOT SCALE DWG		NEXT HIGHER ASSY.		SIZE		CODE		NUMBER								REV.	
MATERIAL SEP. PARTS LIST		FINISH		SCALE		D		H		701136-0-0								A	
				SHEET 1 OF 2		DIST.													

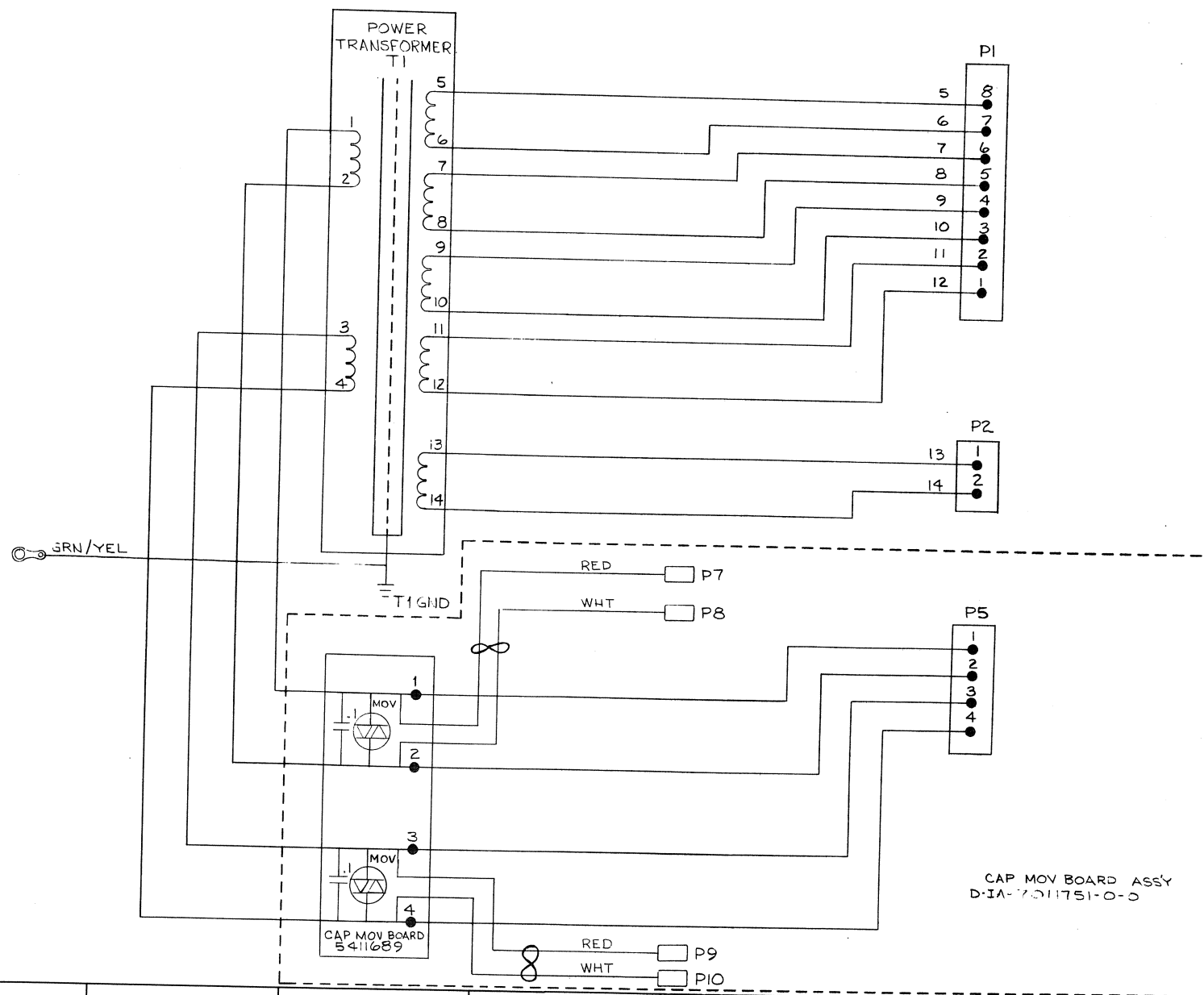
DESCRIPTION		DWG./PART NO.		ITEM NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES									
ANGLES ±0° 30'		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES					
				OVER 0.2 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
SURFACE QUALITY	IN	MEDIUM	<input type="checkbox"/>	±.004	±.008	±.012	±.016	±.024	±.04
	MICROINCHES	PREFERRED	<input type="checkbox"/>	±.012	±.016	±.025	±.04	±.063	±.01

VARIATION		MICRONS		PREFERRED		2.012		2.016		2.022		2.04		2.063		2.07	
THIRD ANGLE PROJECTION				DRN.T. <i>W. J. ...</i>		FIRST USED ON		H782		<div style="border: 1px solid black; padding: 2px;">digital</div>		TITLE TRANSFORMER ASSY					
REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D. <i>W. J. ...</i>		ENG. <i>W. J. ...</i>		PROJ. ENG. <i>W. J. ...</i>		PROD. <i>W. J. ...</i>									
DO NOT SCALE DWG		NEXT HIGHER ASSY.		DWA H782		SIZE		CODE		NUMBER							
MATERIAL SEP. PARTS LIST		SCALE 1:1		SHEET 1 OF 2		D		H		701136-0-0		A					
FINISH						DIST.											

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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	12.0 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.