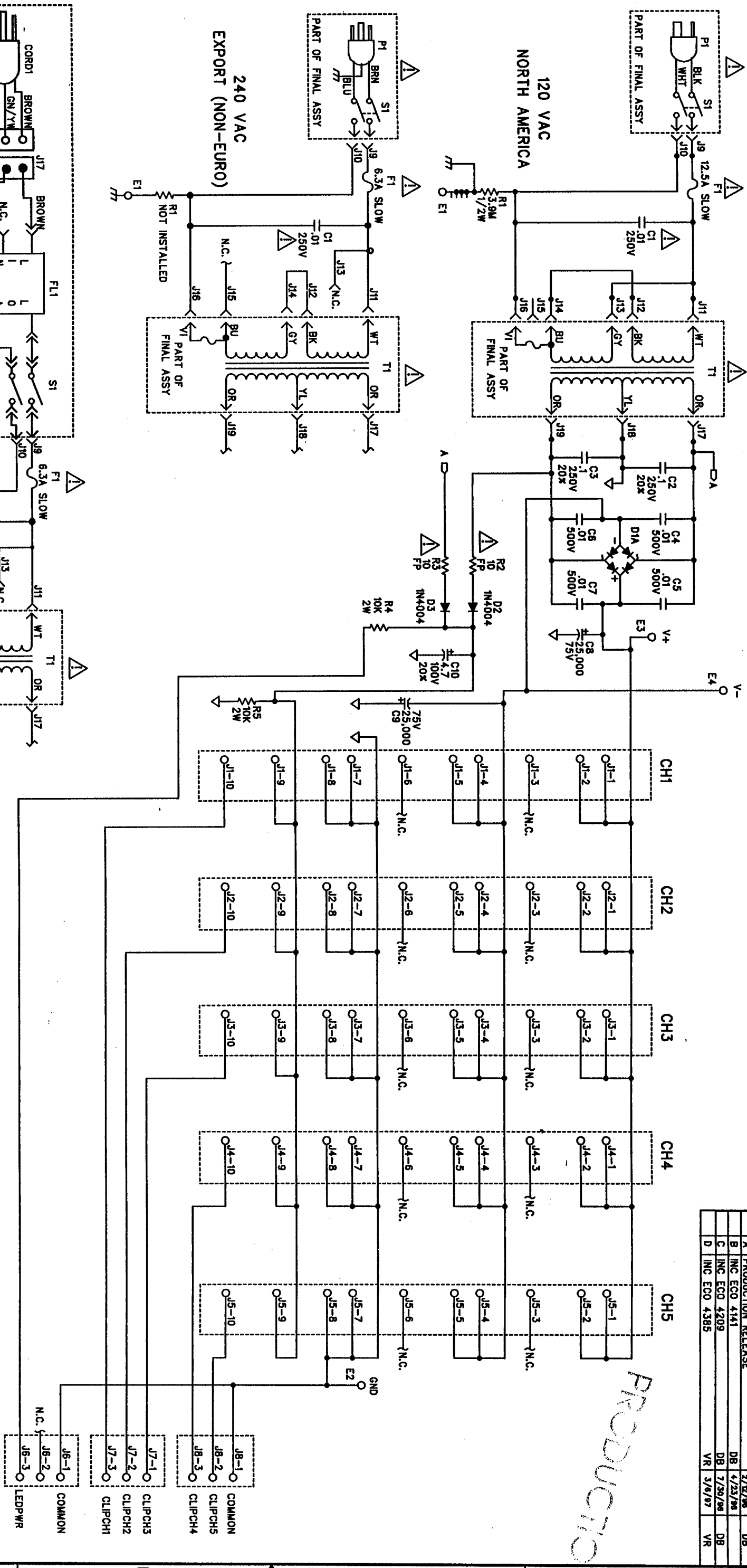


CARVER
AV-505
Schematics & parts list

ZONE		REVISIONS		DATE		APPROVED	
A	REV	DESCRIPTION					
	A	PRODUCTION RELEASE		2/12/86		DB	
	B	INC ECO 4741		4/23/96		DB	
	C	INC ECO 4729		7/29/96		DB	
D	REV						
	D	INC ECO 4385		3/6/97		VR	

605-00693-02 1 D 1



⚠ SIGNIFIES SAFETY CRITICAL COMPONENTS. REFER TO THE SAFETY INFORMATION SECTION OF THE SERVICE MANUAL FOR COMPLETE INFORMATION.

4. ABBREVIATION: FLAME PROOF = FP

2. ALL CAPACITORS ARE IN MICROFARADS, 10X, 100X

1. ALL RESISTORS ARE IN OHMS, 1/4W, 5X

NOTES: UNLESS OTHERWISE SPECIFIED.

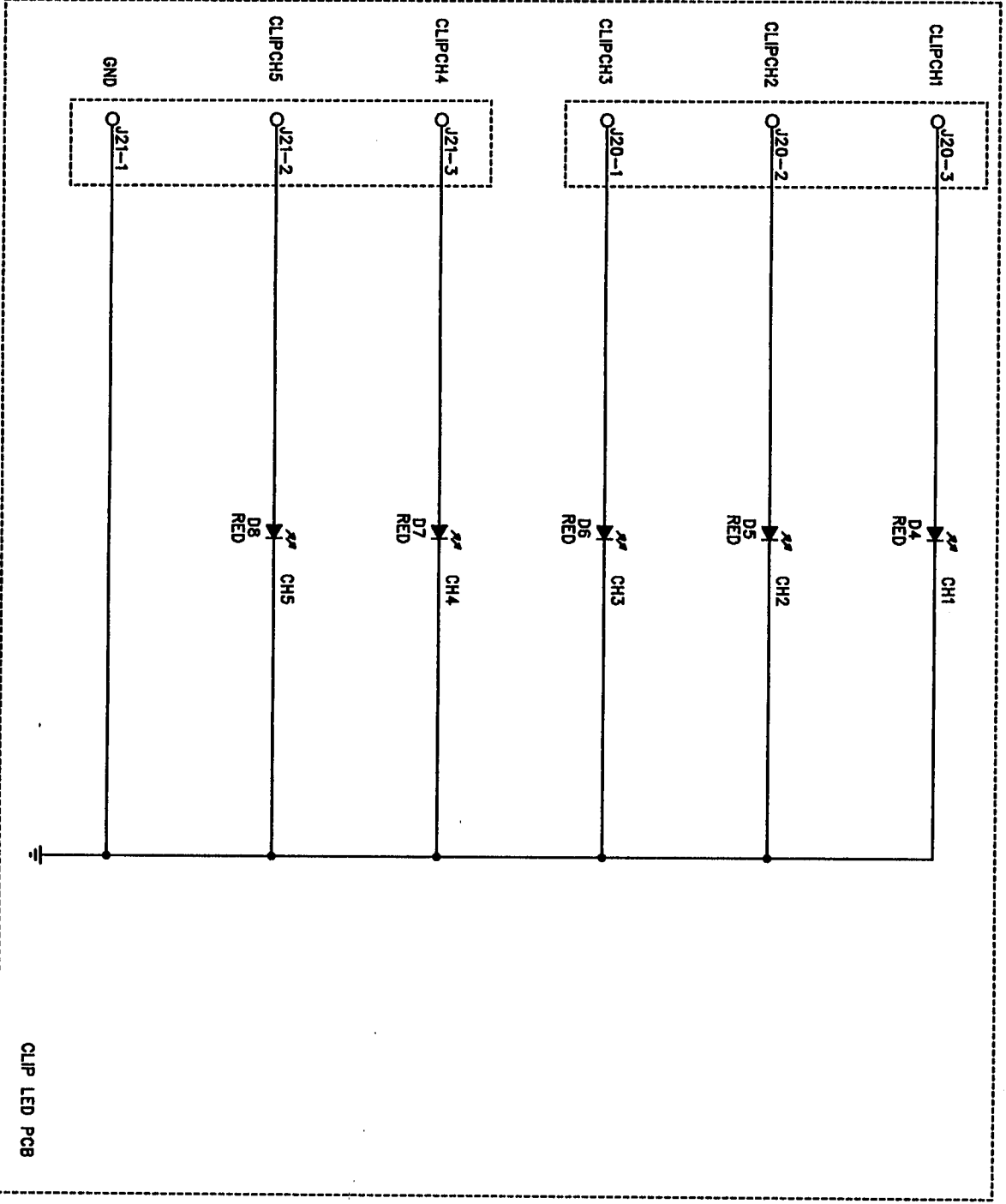
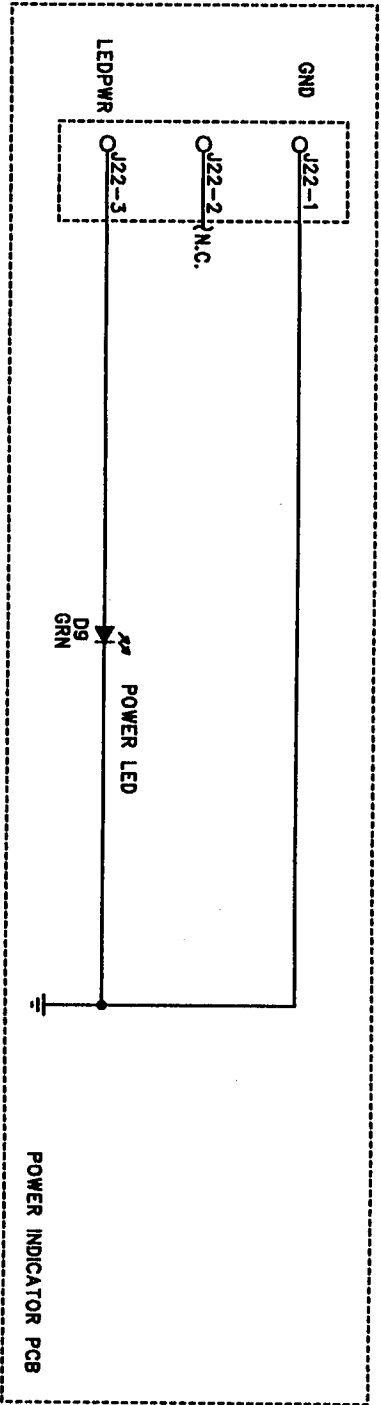
CARVER

SCHEMATIC, POWER BOARD

APPROVALS		DATE	
DESIGNED BY		6/1/85	
CHECKED BY			
DRAWN BY			
REVIEWED BY			
USED ON			
AV-505			
605-00693-02 D			

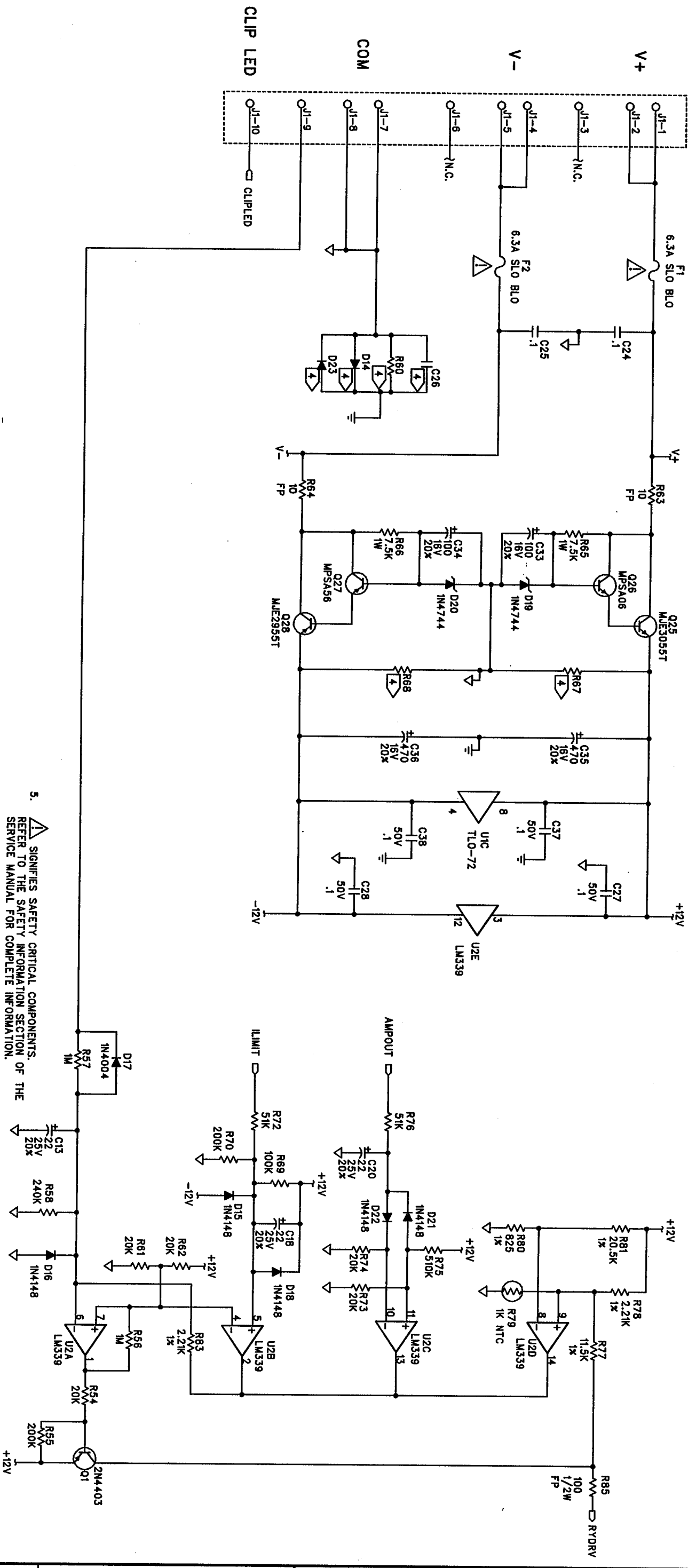
FORM NO.		605-00693-02		REV 2	REV B	1
REVISIONS						
ZONE	REV	DESCRIPTION			DATE	APPROVED
		REV. SHEET 1				

PRODUCTION

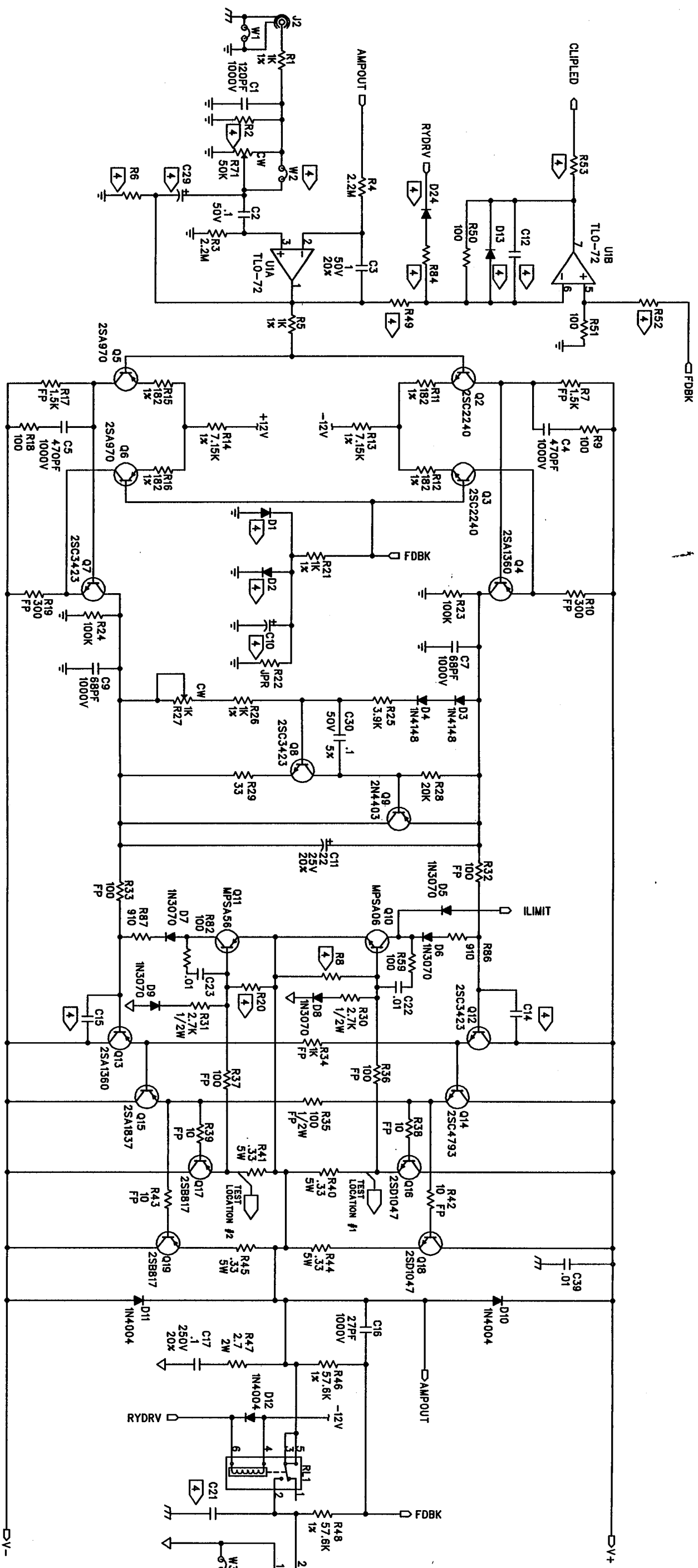


CARVER	
REV D	REV B
605-00693-02	
SHEET 2 OF 2	

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
A	1	PRODUCTION RELEASE	2/12/86
B	2	MC ECO 4141	5/1/86
C	3	MC ECO 4182	5/14/86
D	4	MC ECO 4181	7/30/86
E	5	MC ECO 4222	9/19/87



REV NO.		605-00692-02	REV 2	REV E	REV NO.		605-00692-02	REV 2	REV E
REVISIONS		DESCRIPTION		DATE		APPROVED			
ZONE		REV		DATE		APPROVED			
SEE SHEET 1									



CARVER		DATE	REV
D	605-00692-02	DATE	E
ROAD NAME		SHEET	2

CARVER

REV	DATE	605-00692-02	REV
D			E
REVISIONS	DESCRIPTION		DATE
ZONE	REV	DATE	APPROVED
SEE SHEET 1			

Indented Bills of Material (CVR

512-00008-01	SPACER,END,ELASTO,FILLER,3U	
530-20100-00	STICKER,SERIAL # BLANKS	
530-20101-00	STICKER,3X5 BOX LABELS	
530-20029-00	LABEL,CITY OF LA APPROVED	ADDED IN FINAL ASSY
532-10002-00	BAG,4X6,PLASTIC	WITH END FILLER
532-10020-01	BAG,28X42,PLASTIC	
532-20142-01	BOXES PKG,BOX,3U	
532-30076-01	FOAM PKG,FOAM,CORNER,3U	
- 607-00786-03	ASSY,FINAL AV-505,120V	
101-30007-01	MOUNT,XFORMER,ISOLATION	XFMR MNTG
105-30007-01	FOOT,1.96DX.64H	FRONT
105-30009-01	FOOT,.937DX.625H,RUBBER	REAR
118-90007-00	STR REL,16/3X18/3,MCT .063 SJT	
151-10131-03	SCREW,SM,2.9X9.5MM,PP,BRIGHT	W/REAR PANEL
151-30169-01	SCREW,SEMS,6-32X1/4,BLK	
151-00057-00	SCREW, MACH, 6-32X1/4, SCKT, BLK	ATTACH BUG TO POWER BD.
154-20954-01	WSHR, EXT LOCK, #6	W/151-00057-00
151-20103-00	SCREW, MACH, 8-32X1/2, PP, BLK	HANDLES
159-20003-00	RIVET,5/32D 1/4L,POP	
154-10058-00	WSHR,#7,FLAT,ZINC	FRONT FEET
151-30107-01	SCREW,SM,6X1/4 "B",PP,SERR,BLK	FRT AND BACK PANEL, HEATSINK REAR
151-30107-03	SCREW,SM 6X3/8"B",PP,SERR,BLK	MODS
151-31057-00	SCREW,TDRL,6-32X3/8,FHP100D,BLK	
152-10004-00	NUT, LOCK, 10-32, ZINC	
159-50002-00	TYRAP,4"L,WHT	
159-50008-01	TIE,WIRE,15.93 LONG,NATURAL	
160-20500-05	FASTON,16-14GA,.187,BLU	W/ LINECORD
318-20006-01	SW,ROCKER,DPST,16A,FASTON	
401-90023-01	LC,16/2,PLZD-CSA/UL APRD	
403-10020-00	LOCTITE #222	XFMR MNTG
403-20010-01	LACQUER,INSECTION ORANGE	W/R27 POT ON 5 MODS
403-40030-02	TAPE D BCK 1/4" SCOTCH 976 2ML	LED PCB
502-00081-01	CHASSIS	
503-00092-02	PANEL,FRONT,AV505	
503-00093-02	PANEL,REAR,AV505	
504-00066-01	COVER	
507-00006-01	BRACKET,HANDLE	
509-20009-01	FERRULE,.275DIA,ABS,BLACK	
510-20017-02	HNDL,.945H,.275D,3.5W	
530-10146-00	LABEL,FUSE WARNING	
530-20100-00	STICKER,SERIAL # BLANKS	1-OUTSIDE,1-INSIDE,1-CLA APP #
550-00072-01	CBL,16AWG,W/FASTON,BROWN	
550-00072-02	CBL,16AWG,W/FASTON,BLUE	
- 602-00693-02	CCA POWER BOARD AV-505	INCLUDES LED CCA
501-00693-02	PCB,POWER DIST W/DISPLAY	
105-40018-01	CLIP, FUSE,PCB,2AG	
115-60000-00	CONN,.250 QD TAB,PCB	J9-J19
119-20037-01	TERM,PC MOUNT	
151-20106-00	SCREW, MACH, 8-32X3/4, PP, BLK	
152-10003-00	NUT,LOCK,8X11/32,ZC	
160-40006-10	RCPT, 10PIN, .156 CTR	J1,2,3,4,5
201-00034-02	CAP,.01UF,500V,20%,CER	C4,5,6,7
201-00035-00	CAP,.01UF,250VAC,UL/CSA,CER	C1
205-00009-02	CAP,4.7UF,100V,20%,LYTIC,RAD	C10
205-00219-00	CAP,20000UF,63V,SCW MNT,LYTIC	C8,9
207-10003-00	CAP,.1UF,250V,20%,MPOLY	C2,3
- 263-50103-18A	RES,10K,5%,2W,MO,AX,SM	R4,5

Indented Bills of Material (CVR)

263-50103-18G	RES MO FP 5% 10K 2W .8 AX SM	
266-50107-04A	RES, 1 OHM, 5%, 1/4W, FUSIBLE	R2,3
315-16007-01	FUSE, METRIC, 12.5A, SLOW BLOW	F1--REPLACES 315-16008-01
319-00065-01	BR. RECT, 25A, 400V	D1
320-20004-00	DIODE, 1N4004, 400V	D2,3
320-40004-00	LED, GREEN, HIGH EFFICIENCY	D9
511-00026-01	HTSK, BRIDGE	
551-00001-01	CABLE, 3 COND, RIBBON	FROM J6 TO J22
- 603-00001-02	ASSY, AMP MOD, AV-505	
151-20182-06	SCREW, MACH, 4-40X3/8, W/WSHR	XISTOR MTG
151-31058-03	SCREW, THD, RLD PP, 6-32X1/2, ZN	PCB MTG
151-31058-02	SCREW, 6-32X5/16, THD RLD, ZC	
154-40013-01	WSHR, #4, SHLDR, .252X.093, NYL	Q25,28 MTG
321-30022-01	TR, TO3P, 2SD1047, NPN, PWR	Q16,18
321-30021-01	TR, TO3P, 2SB817, PNP, PWR	Q17,19
321-60000-00	TR, MJE3055T, TO220 NPN PWR	
321-60002-00	TR, MJE2955T, TO220 PNP PWR	
321-60035-01	TR, TO220, 2SA1837, PNP	Q15
321-60036-01	TR, TO220, 2SC4793, NPN	Q14
321-90001-00	XISTOR, 2SC3423-Y, B100, NPN	Q8
403-20001-00	THERMALCOTE, #2502OZ	R79
508-00044-01	SHAFT, TRIM POT	R71
511-00027-01	HEATSINK	
511-00028-01	HTSK, LARGE, CAST	
512-10660-01	SIL PAD	
512-10665-01	SILPAD, HERITAGE HEATSINK	
- 602-00692-02	CCA AMP AV-505	
501-00692-01	PCB, AMPLIFIER	
105-40018-01	CLIP, FUSE, PCB, 2AG	F1,2
109-10037-01	JACK, PHONE, RT ANG	J2
115-30020-01	POST, BINDING, DUAL, RT ANG.	J3
118-61011-03	SPACER, .250D X .14ID, SNK .250L	
160-30076-10	HEADER, 10 PIN, .156 CTR RA	J1
201-00005-00	CAP, 27PF, 1000V, 10%, CER	C16
201-00009-00	CAP, 68PF, 1000V, 10%, CER	C7,9
201-00013-00	CAP, 120PF, 1000V, 10%, CER	C1
201-00023-00	CAP, 470PF, 1000V, 10%, CER	C4,5
201-00034-02	CAP, .01UF, 500V, 20%, CER	C39
204-00015-00	CAP, .01UF, 100V, 10%, POLY, RAD	C22,23
204-00027-00	CAP, .1 UF, 100V, 10%, PLYFLM	C24,25
204-00146-00	CAP, .1UF, 50V, 5%, MTL FLM	C2,27,28,30,37,38
204-00157-00	CAP, 1 UF, 50V, 5%, MTL FLM	C3
205-00011-02	CAP, 22UF, 25V, 20%, LYTIC, RAD	C11,13,18,20
205-00021-00	CAP, 470UF, 16V, 20%, LYTIC, RAD	C35,36
205-00035-02	CAP, 100UF, 16V, 20%, LYTIC, RAD	C33,34
207-10003-00	CAP, .1UF, 250V, 20%, MPOLY	C17
256-30001-01	THERMISTOR, 1000 OHM, 1/2W, 5%, NTC	R71
259-20035-01	POT, TRIM, 50K, VERT MNT	R71
259-30007-01	POT, 1K, RIGHT ANGLE MINI	R27
260-50101-04A	RES, 100 OHM, 5%, 1/4W, CF	R9,18,50,51,59,82
260-50104-04A	RES, 100K, 5%, 1/4W, CF	R23,24,69
260-50105-04A	RES, 1M, 5%, 1/4W, CF	R56,57
260-50203-04A	RES, 20K, 5%, 1/4W, CF	R28,54,61,62,73,74
260-50204-04A	RES, 200K, 5%, 1/4W, CF	R55,70
260-50225-04A	RES, 2.2M, 5%, 1/4W, CF	R3,4
260-50244-04A	RES, 240K, 5%, 1/4W, CF	R58
260-50330-04A	RES, 33 OHM, 5%, 1/4W, CF	R29

Indented Bills of Material (CVR

260-50272-05A	RES,2.7K,5%,1/2W,CF	R30,31
260-50392-04A	RES,3.9K,5%,1/4W,CF	R25
260-50513-04A	RES,51K,5%,1/4W,CF	R72,76
260-50514-04A	RES,510K,5%,1/4W,CF	R75
- 263-50752-07A	RES,7.5K,1W,MO	R65,66
263-50752-07F	RES,7.5K,5%,1W,MF,.7	
260-50911-04A	RES,910OHM,5%,1/4W,CF	IN SERIES W/D6,7
262-31001-04A	RES,1K,1%,1/4W,MF	R1,5,21,26
262-31152-04A	RES,11.5K,1%,1/4W,MF	R77
262-31820-04A	RES,182OHM,1%,1/4W,MF	R11,12,15,16
262-32211-04A	RES,2.21K,1%,1/4W,MF	R78,83
262-32052-04A	RES,20.5K,1%,1/4W,MF	R81
262-35762-04A	RES,57.6K,1%,1/4W,MF	R46,48
262-37151-04A	RES,7.15K,1%,1/4W,MF	R13,14
262-38250-04A	RES,825 OHM,1%,1/4W,MF	R80
- 264-50338-0BA	RES WW 5% .33 OHM 5W 1.0 AX LG	R40,41,44,45
264-50338-0BI	RES,.33OHM,5%,5W,WW AX,1.0	
- 264-50277-08A	RES,2.7OHM,5%,2W,WW	R47
264-50277-08G	RES,2.7 OHM,5%,2W,WW,.8	
266-50107-04A	RES,1 OHM,5%,1/4W,FUSIBLE	R63,64
266-50101-04A	RES,100 OHM,5%,1/4W,FUSIBLE	R32,33,36,37
266-50101-05A	RES,100 OHM,5%,1/2W,FUSIBLE	R35,85
266-50102-04A	RES,1K,5%,1/4W,FUSIBLE	R34
266-50152-04A	RES,1.5K,5%,1/4W,FUSIBLE	R7,17
266-50301-04A	RES,300 OHM,5%,1/4W,FUSIBLE	R10,19
315-16001-00	FUSE,6.3A,TIME LAG	F1,F2
320-20001-00	DIODE,1N4148,75V	D3,4,15,16,18,21,22
320-20004-00	DIODE,1N4004,400V	D10,11,12,17
320-20006-00	DIODE,1N3070,175V	D5,6,7,8,9
320-30002-00	DIODE,ZENER,1N4744A,15V,UNPRP	D19,20
321-40011-00	TR,TO92,MPSA06,NPN,SM,SG	Q10,26
321-40012-00	TR,TO92,MPSA56,PNP,SM,SG	Q11,27
321-40029-01	XISTOR,TO92 PNP,SM SG,L.N 120V	Q5,6
321-40030-01	XISTOR,TO92 NPN,SM SG,L.N 120V	Q3,4
321-40025-01	TR,TO92,2N4403,PNP,SM,SG	Q1,9
321-90000-00	TR,B100,2SA1360-Y,PNP,PWR	Q4,13
321-90001-00	XISTOR,2SC3423-Y,B100,NPN	Q7,12
330-30001-00	IC,TL072,DUAL OP AMP BIFET	U1
330-30009-00	IC,LMT339N,QUAD COMPARATOR	U2
401-20003-00	WIRE,BUSS,22GA,SPOOL	W1,3,R22
402-00020-00	SLV,18GA,BLK,.6"	W/R79
617-20002-01	RELAY,24V,20A,SPST-NO	RL1
617-10132-01	XFMR,5X80W	
990-00029-00	CARD,LIMITED WARR	
990-00031-00	HOME,WARR REGISTRATION	
990-00786-00	MANUAL,OWNERS,AV-505	