

**CARVIN**  
 12340 World Trade Drive  
 San Diego, CA 92128  
 (858) 487-1600  
 FAX 487-6629

**DCM600/1000/1500  
 HD900/1800  
 DCM1015, & KB1000 amp**

DRAWN BY: GEORGE DREYER DATE: 29 JUNE 2000  
 APPROVED: DATE:

PCB NO: 30-01500 REV: I  
 ASSY. 80-00600 80-01001 & 80-01002 REV:  
 NO: 80-01000 80-00900 & 80-01800  
 NO: 80-01552  
 REVISED BY: GEORGE DREYER DATE: 11MAR2005

4. ALL DIODES ARE TYPE 1N4003, EXCEPT AS NOTED.  
 2. ALL CAPACITORS IN MICORFARADS, EXCEPT AS NOTED.  
 1. ALL RESISTORS IN OHMS
- NOTES: UNLESS OTHERWISE SPECIFIED.

- CHANGES FROM REV B TO C  
 1. R98 FROM +15 TO -15 CORRECTION  
 2. ADDED C10 TO U1  
 3. CORRECTED PLACEMENT OF HEADERS ON FRONT POT PCB FOR BRACKET.
- CHANGES FROM REV C TO D  
 1. Q106, Q206 changed to TIP31  
 2. added ALTPart 5550 and 5400 to Q102, Q103, Q202, Q203
- CHANGES FROM REV D TO E  
 1. corrected layout for square bridge rectifier, "new part shape"
- CHANGES FROM REV E TO F  
 1. Added new binding post footprint.  
 2. changed the soft start to secondary control.
- CHANGES FROM REV F TO G  
 1. added cut away for series dual fan DCM1500 unit.  
 2. added C310 on C7 for stability.  
 3. added C502C for 4700uF 50V footprint.
- CHANGES FROM REV G TO H  
 1. Trace route changes for new Alpha volume pots.  
 2. Old 16mm pot footprint removed.  
 3. Symmetrical limiter circuit added.  
 4. New clip activated limiter circuit connection added R19, R20
- CHANGES FROM REV H TO I  
 1. Added back in transistors for Rev G clip connection.  
 2. Added C14 .047uF cap on AC power switch.

80-01001 (in DCM1001) & 80-01002 (in KB1000)  
 \*\* 80-01001 is a 80-01000 assembly with the volume control / LED indicator circuit "front card" not stuffed. The 80-01002 is the same with the addition of:  
 J100, J200, S3, S4 removed.

- DCM1500 ASSEMBLY: 80-01552  
 1. Add Q110, Q210, Q115, Q215 (Type: MJL 21194).  
 2. Add Q114, Q214, Q116, Q216 (Type: MJL 21193).  
 3. Add R169-R171, R269-R271, R162, R164, R262, R264 (0.33Ω).  
 4. Change C501, C502 to 10Kmf @ 100V.  
 5. Change R138, C238 to 68K.  
 6. REMOVE R15 AND ADD D19 AND H1.  
 7. CHANGE R210 TO 100 OHM.

- DCM1000 ASSEMBLY: 80-01000  
 1. Add Q110, Q210 (Type: MJL 21194).  
 2. Add Q114, Q214 (Type: MJL 21193).  
 3. Add R169-R171, R269-R271 (0.33Ω).  
 4. Change C501, C502 to 10Kmf @ 80V.

CP900 AND CP1800 REV F PCB ONLY  
 80-00900 REV A 80-01800 REV A  
 CP SERIES REMOVES THE LIMITER, THE BRIDGE SPEAKON, AND TWO 1/4" JACKS FROM A DCM

REMOVE  
 R1, R8, R5, R3, R7, R12, R11, R13, R22, R21  
 C1, C3, C5, C6  
 D100, D1, Q100, Q200  
 OP3, OP4  
 J7, J9, J11  
 CHANGE R9 AND R6 TO 0 OHM JUMPERS  
 CHANGE R210 ON 80-00900 TO 100 OHMS  
 CHANGE R210 ON 80-01800 TO 150 OHMS  
 CP900 OUTPUT DEVICES  
 Q108, Q109, Q112, Q113  
 Q208, Q209, Q212, Q213  
 CP1800 USES ALL 16 OUTPUT DEVICES

HD900 AND HD1800  
 80-00900 REV C 80-01800 REV C  
 HD SERIES REMOVES THE LIMITERS AND ALL SPEAKONS FROM A DCM

REMOVE  
 R1, R8, R19, R3, R7, R12, R11, R13, R20, R21  
 C1, C3, C5, C6  
 D100, D1, D20, D21, D22, D23, D24, D30  
 OP3, OP4  
 J6, J7, J8 (ALL SPEAKONS)  
 CHANGE R9 AND R6 TO 0 OHM JUMPERS  
 CHANGE R210 ON 80-00900 TO 100 OHMS  
 CHANGE R210 ON 80-01800 TO 150 OHMS  
 HD900 OUTPUT DEVICES  
 Q108, Q109, Q112, Q113  
 Q208, Q209, Q212, Q213  
 HD1800 USES ALL 16 OUTPUT DEVICES

