

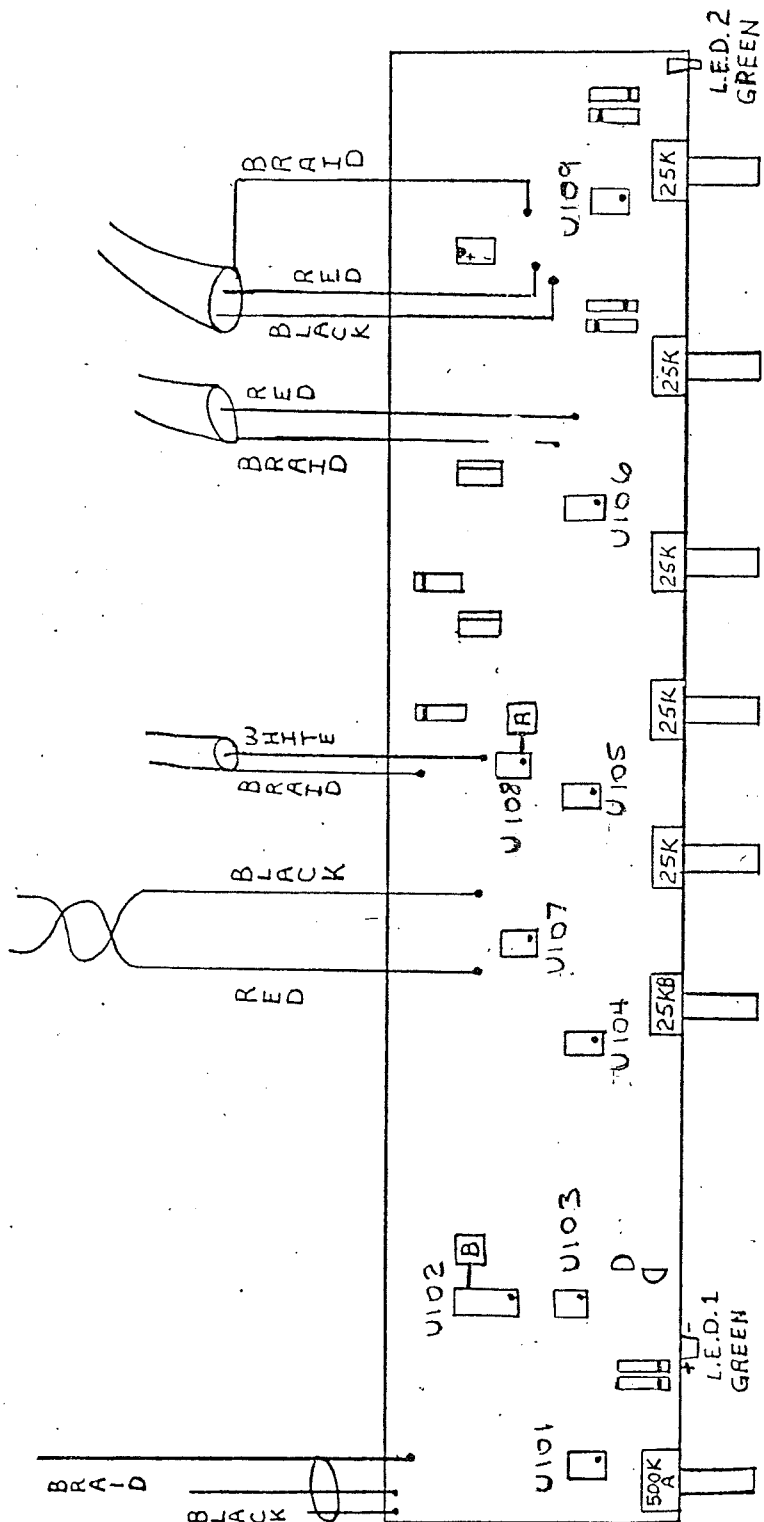
MR 140

Schematic

B I A M P[®]

S Y S T E M S

10074 SW Arctic Drive Beaverton, OR 97005 503-641-7287



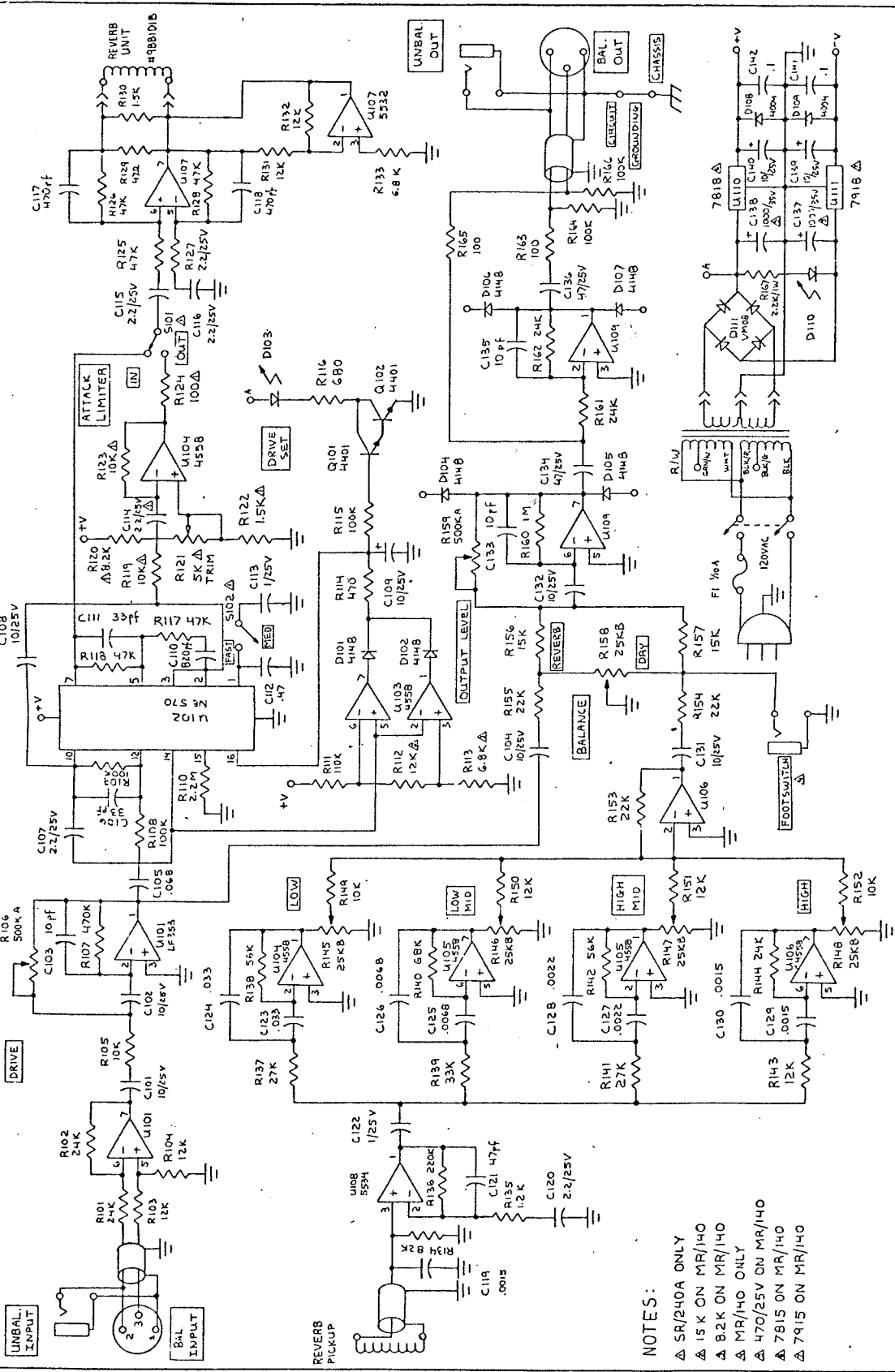
- U101 = NE5532
- U102 = NE570
- U103 = 4558
- U104 = 4558
- U105 = 4558
- U106 = 4558
- U107 = NE5532
- U108 = NE5534
- U109 = NE5532

[A]: IC106 PIN # 2 EQ TEST INPUT

[B]: IC102 PIN # 7 LIMITER OUTPUT TEST POINT

MR 140 COMPONENT SIDE
 DRAWN BY TOM H.
 12-2-80 1-21-81

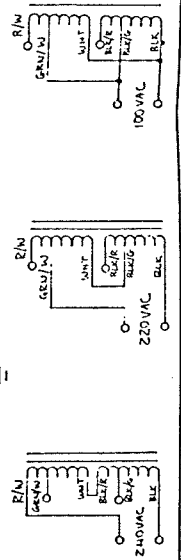
REV - B



NOTES:

- △ SR/240A ONLY
- △ 15K ON MR/140
- △ 8.2K ON MR/140
- △ MR/140 ONLY
- △ 470/25V ON MR/140
- △ 7815 ON MR/140
- △ 7915 ON MR/140

EARLY VERSION



REV	DESCRIPTION	DATE	BY
1	INITIAL PROTOTYPE		
2	REVISION		
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BIAMP SYSTEMS INC.
 MR/140 SR240A SCHEMATIC
 REV B 1-21-82

SCALE: DO NOT SCALE DRAWING
 SHEET 1 OF 1

SERVICE BULLETIN

MR/140 HUMM REDUCTION

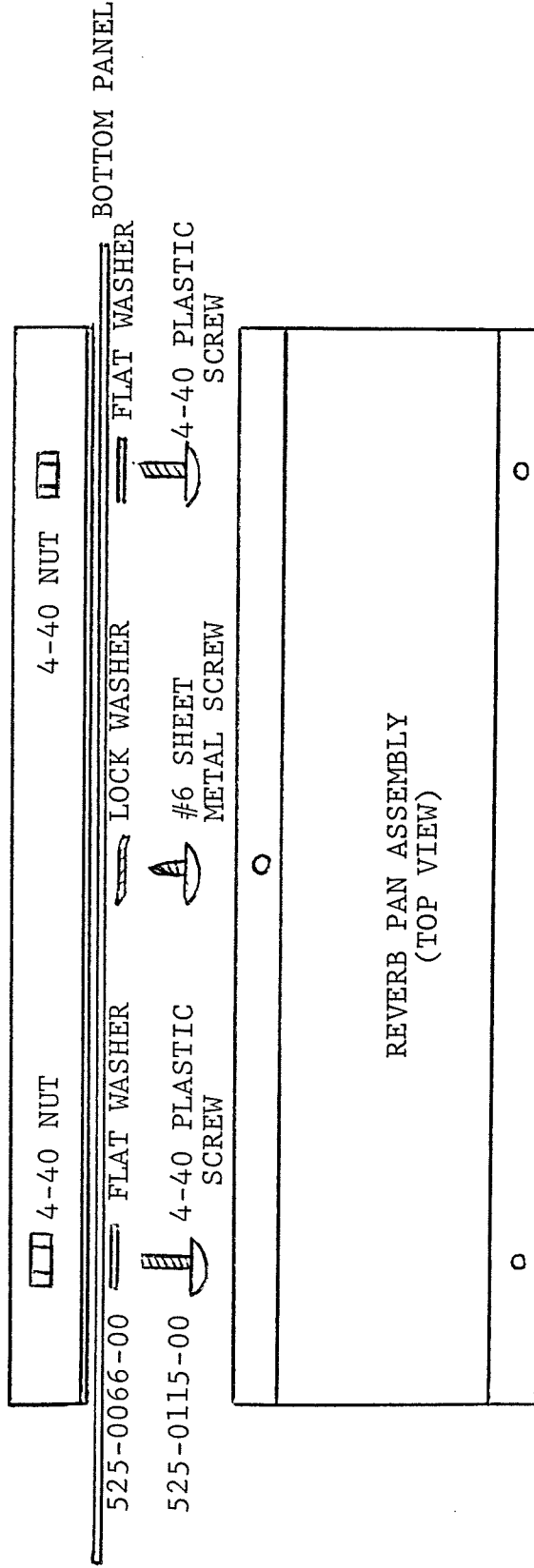
WE HAVE FOUND SOME MR/140 REVERB UNITS CAN PRODUCE A SUBSTANTIAL 120 CYCLE HUM WHENEVER THE WET SIGNAL IS USED. INVESTIGATION OF THIS PROBLEM HAS FOUND A MAGNETIC FIELD CIRCULATING THROUGHOUT THE ENTIRE CHASSIS. TO CURE THE PROBLEM IT IS NECESSARY TO OPEN THIS MAGNETIC PATH.

TO CORRECT THIS PROBLEM PROCEED AS FOLLOWS:

1. REMOVE THE TOP AND BOTTOM PANELS FROM THE CHASSIS.
2. EXAMINE THE REVERB PAN AND FOAM PAD ON THE BOTTOM PANEL. THE PAN SHOULD BE LOCATED ON THE PAD SO THAT NO PART OF THE PAN IS TOUCHING THE METAL BOTTOM PANEL (SCREWS ARE THE ONLY CONTACT). ADDITIONAL INSULATION MAY BE REQUIRED (THIN CARDBOARD, FISH PAPER).
3. CUT 3/8" WIDE STRIPS TO LAY ON THE TOP AND BOTTOM SIDE OF THE CHASSIS WRAP.
4. RE-INSTALL THE TOP AND BOTTOM COVERS WITH THE MOUNTING SCREWS BEING THE ONLY METAL CONTACT TO THE CHASSIS WRAP.

SELF ADHESIVE FISH PAPER IS AVAILABLE FROM BIAMP. PART NUMBER 520-0042-00.

MR/140 REVERB PAN MOUNTING MODIFICATION
 PER ECO NO. 212-83



REPLACE 2 OF THE PAN MOUNTING SCREWS WITH PLASTIC SCREWS, PART NUMBER 525-0115-00, TO BREAK A MAGNETIC CIRCUIT PATH IN THE PAN HOUSING.