



**CAUTION:**  
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.  
TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED  
SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND  
THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

- NOTES**
- 1) CAUTION: SHOCK HAZARD!  
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER  
AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE  
TOUCHING INTERNAL PARTS.
  - 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL.  
CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
  - 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE  
AND 10 MEGOHM DIGITAL VOLTMETER.
  - 4) CHASSIS GROUND  $\text{---}$  DIRTY GROUND  $\text{---}$  AUDIO GROUND  $\text{---}$

**TEST POINT CHART**

T.P.	D.C. VOLTAGE NO SIGNAL (V)	SIGNAL CHANNEL 1 ACTIVE (Vp-p) 4mVRMS INPUT	SIGNAL CHANNEL 2 ACTIVE (Vp-p) 1mVRMS INPUT
1	190	0.4	0.1
2	190	2.0	0.4
3	160	0.8	8
4	140	11	60
5	380	80	-
6	140	(7 @ 150 OHM LOAD)	-
7	120	3 CV/ 30mVRMS @ REVERB RETURN	1.8
8	210	1.8	8
9	250	110	110
10	0	55	55
11	-	0.2VDC REVERB OFF; 18VDC REVERB ON	-
12	-	18VDC	0.2VDC
13	-	0.2VDC	18VDC

1KHz SIGNAL AS ABOVE @ INPUT. ALL CONTROLS @ '10'  
EXCEPT REVERB AND PRESENCE @ '0',  
BRIGHT AND BOOST @ 'OUT',  
8 OHM LOAD, 150 OHM LOAD ON REVERB.

**NOT USED**  
C40  
C61  
J31  
J32  
R112  
R116  
R117

SIGNATURES:		DATE:	11880 BORMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN:	REM	7/01/94	
CHK'D:			
APP'D:			
ORIGINAL ISSUED:	02/17/95	DRAWING NAME:	BV-60
PLOT DATE:	04/22/96	MAIN BOARD SCHEMATIC	
PLOT TIME:	11:18:02	DRAWING NO.	07S296-01
FILE NAME:	29601H2	SCALE:	~
REV	DATE	BY	CHK'D
3	02/23/96	SWR	
2	04/04/95	SWR	
1	04/04/95	SWR	
REV	DATE	BY	CHK'D
DESCRIPTION			
REDESIGNED PER ECO #E950123.			
CHANGED R87 FROM 76-103-01 TO 76-224-01 & P4 FROM 23-308-01 TO 23-307-01 PER ECO #E95004A.			
FILE NAME: 29601H2			
SHEET: 1 OF 2			

