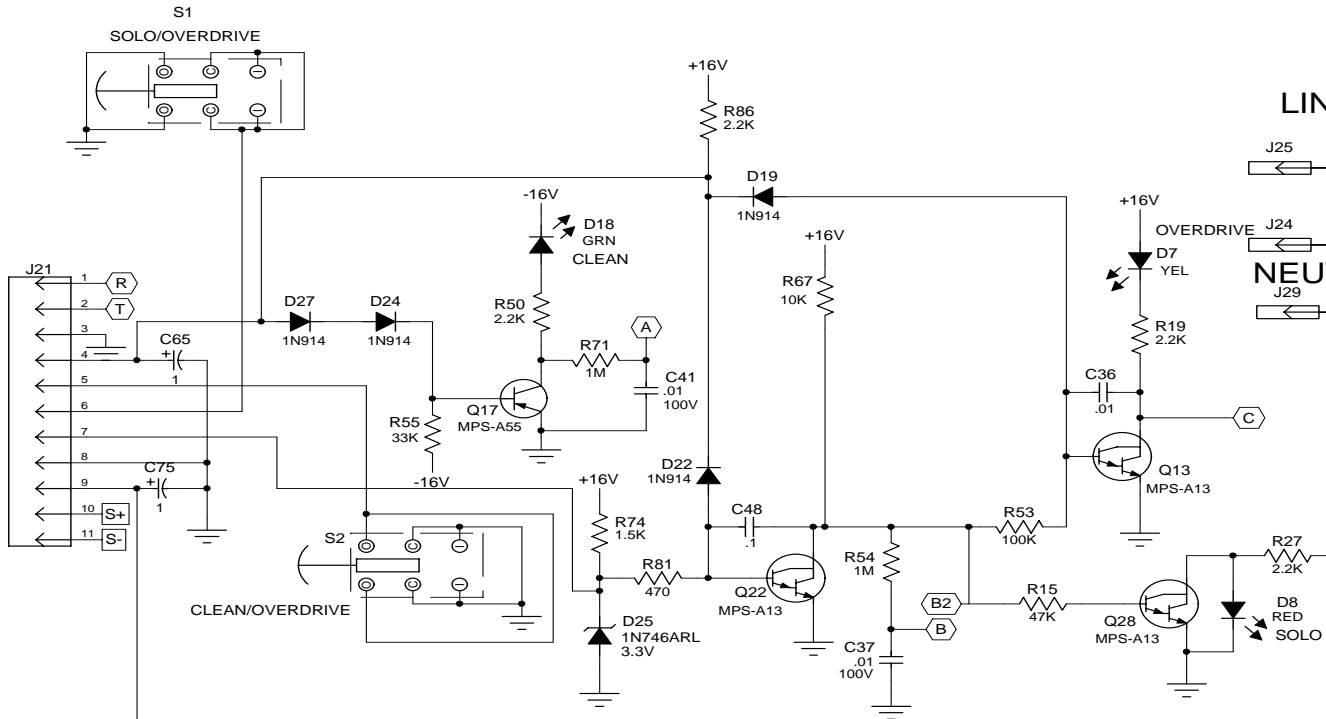


TEST POINT CONDITIONS FOR POWER AMP:  
1.1Vpp 1kHz SINE WAVE INPUT INTO INSERT TIP, 4 OHM LOAD

| TP | AC            | DC    |
|----|---------------|-------|
| 10 | .65Vpp        | .048V |
| 11 | 35Vpp         | 1.4V  |
| 12 | 35Vpp         | -.67V |
| 13 | 32Vpp         | .048V |
| 14 | 1.8Vpp RIPPLE | 34V   |
| 15 | 1.8Vpp RIPPLE | -34V  |

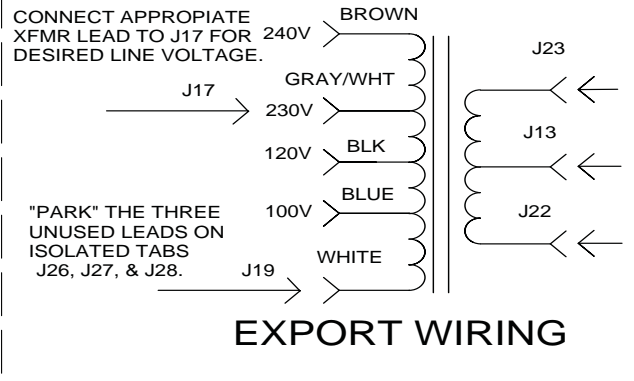
SWITCHING LOGIC

|           | A    | B    | C          |
|-----------|------|------|------------|
| SOLO      | -10V | +10V | 0V         |
| OVERDRIVE | -10V | 0V   | +10V       |
| CLEAN     | 0V   | +10V | 0V OR +10V |



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.



| B                                                                                    | 4/18/03 | CHG'D C36 FROM .1 TO .01UF | R00987        | REM              |          |      |
|--------------------------------------------------------------------------------------|---------|----------------------------|---------------|------------------|----------|------|
| A                                                                                    | 8/08/02 | INITIAL ISSUE              |               |                  |          |      |
| REV                                                                                  | Date    | DESCRIPTION                | Ecr(s)/Ecn(s) | Chgd By          | Appvd by | Date |
| THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO<br>ST. LOUIS MUSIC, INC. |         |                            |               |                  |          |      |
| Signatures:                                                                          |         | Date:                      |               |                  |          |      |
| Drawn:                                                                               |         | REM                        |               | 7/16/02          |          |      |
| Checked:                                                                             |         |                            |               |                  |          |      |
| Released:                                                                            |         |                            |               |                  |          |      |
| Plot Date: Thu Apr 17, 2003                                                          |         | Drawing Size: C            |               | Drawing Title:   |          |      |
| Plot Time: 15:15:51                                                                  |         | Drawing Type: Schematic    |               | PWA - GUITAR AMP |          |      |
| Tolerance:                                                                           |         | Class Code: NONE           |               | Drawing Number:  |          |      |
|                                                                                      |         | Sheet 2 of 2               |               | 07S199-XX        |          |      |