WARNING - WARNIN

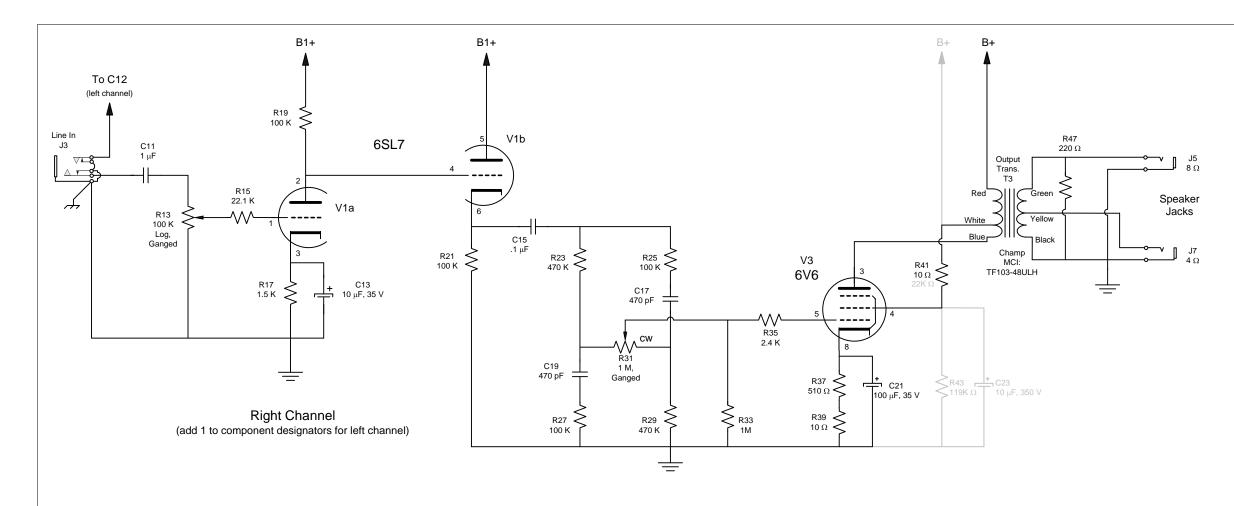
The project described on these pages uses POTENTIALLY FATAL HIGH VOLTAGES. If you are in any way unfamiliar with high voltage circuitry and the safety precautions critical to working around high voltages, PLEASE DO NOT RISK YOUR LIFE BY BUILDING THIS PROJECT. Seek help from a competent electronics technician before building any unfamiliar electronic circuits. Efforts are made to ensure the accuracy of this projects documentation, however, no guarantee is provided, of any kind.

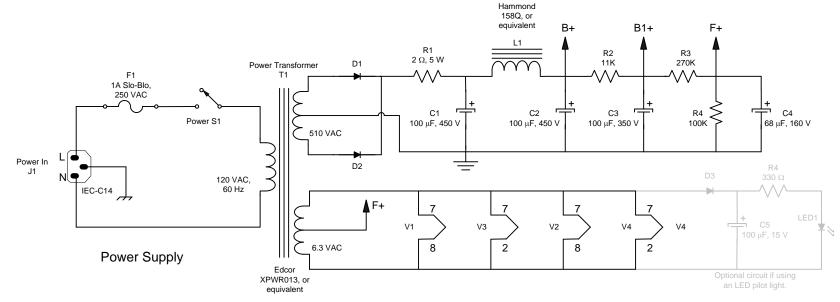
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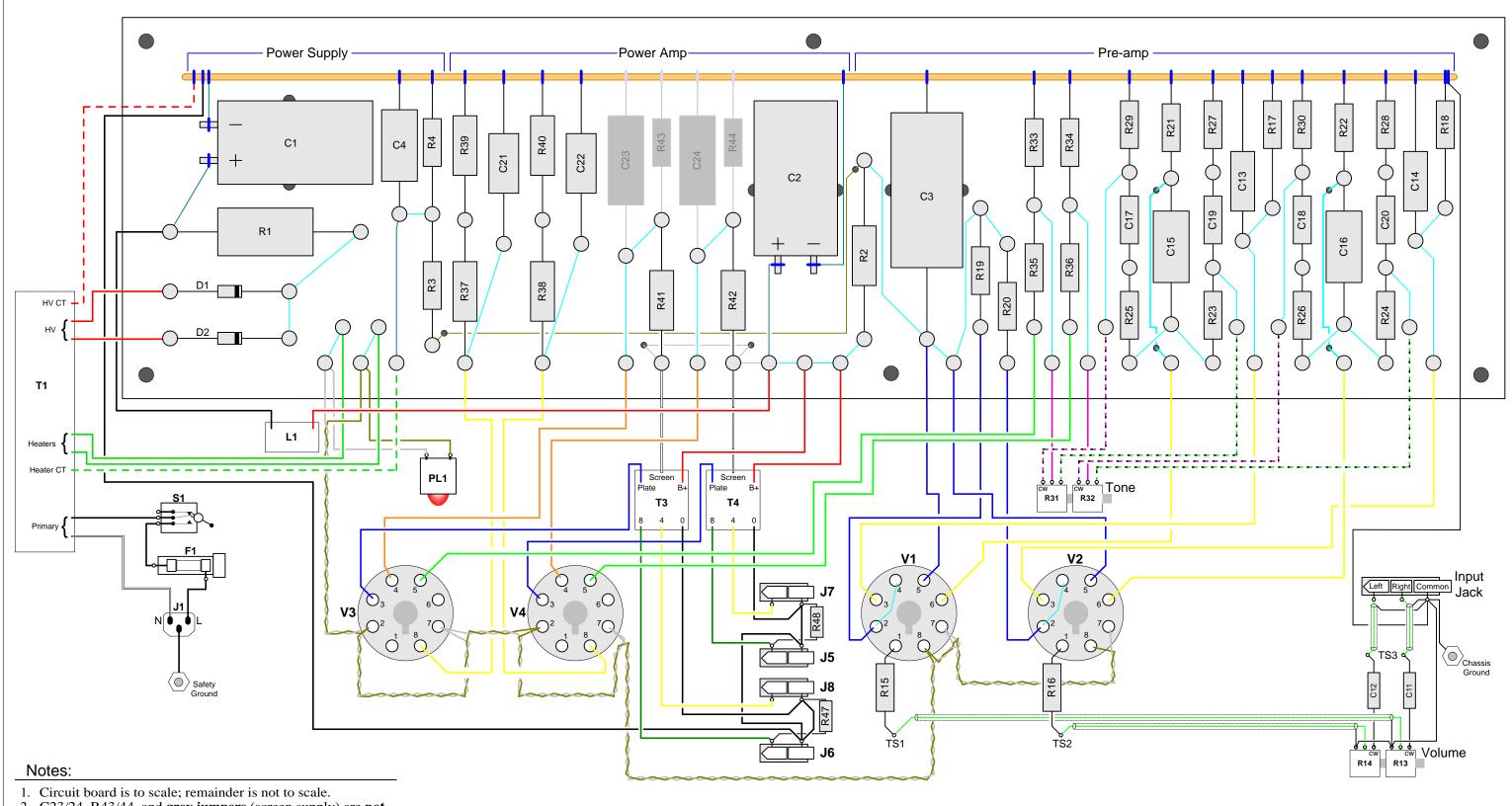




Notes:

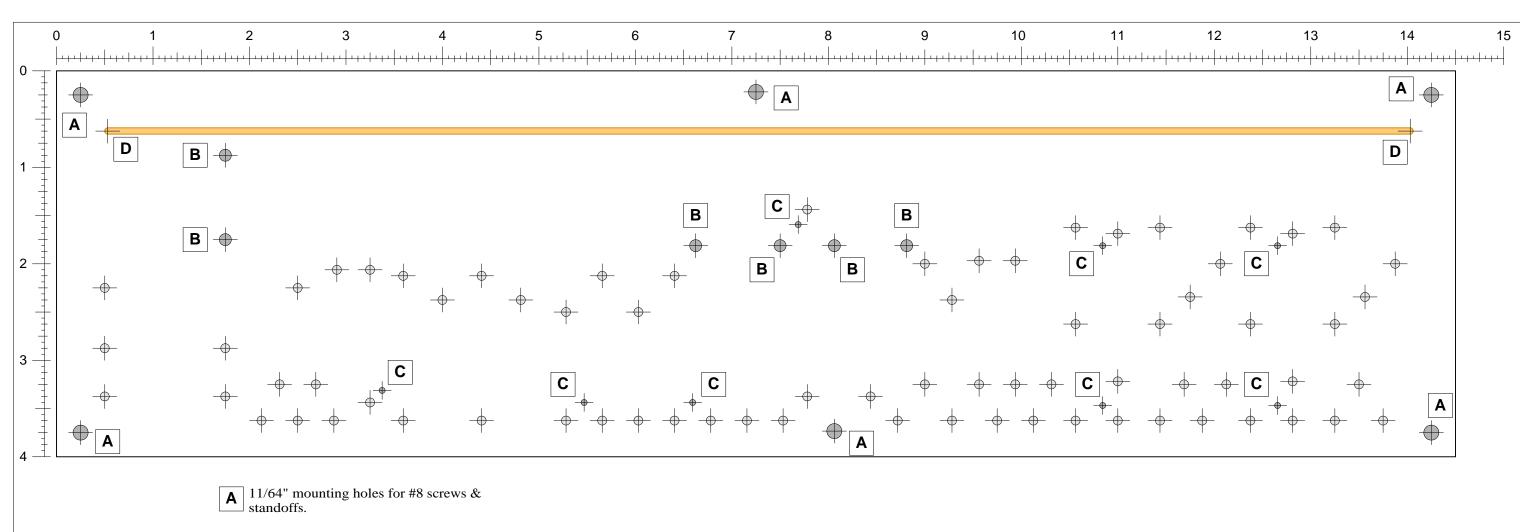
- 1. Power supply component designators: 1 through 10
- 2. Right channel (shown) component designators begin with 11, odd numbers only. Left channel (not shown) designators begin with 12, even numbers only.
- 3. Amplifier is shown wired for UL (Ultra-linear) operation. C23, R43, and **grey jumpers** (screen supply) are **not** used with UL operation. If not using UL mode, use grey value for R41 and leave UL tap disconnected (if present).
- 4. "cw" post is 0 ohms to center post when pot. is fully clockwise.

Project: "Harmless" Stereo Amplifier							
Schema	atic			Author: Michael Gorsich			
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- 2. C23/24, R43/44, and **grey jumpers** (screen supply) are **not** used with UL (Ultra-linear) operation. See options' notes for R41/42 values when UL mode is not used.
- 3. "cw" post is 0 ohms to center post when pot. is fully clockwise.
- 4. Transformer and choke wire colors may vary from shown.
- 5. Light -cyan jumpers are solid; dark-cyan jumpers are stranded hookup wire.
- 6. Mounting holes are bored for #8 screws. Tie-wrap filter caps using holes provided.

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Layout				Author:	Michael Gorsich		
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- **B** 1/8" component mounting holes; sized for small Tie-Wraps.
- **C** 5/64" wire pass-through holes; sized for Belden 83006 22 gauge hookup wire.
- Bore to 3/32" for Keystone type 1514 turrets; bore with #33 bit for Keystone type 1503 turrets.
- 9/64" ground bus mounting hole; sized for 12 gauge bare copper wire interference fit. Bore out to match mounting method.

Notes:

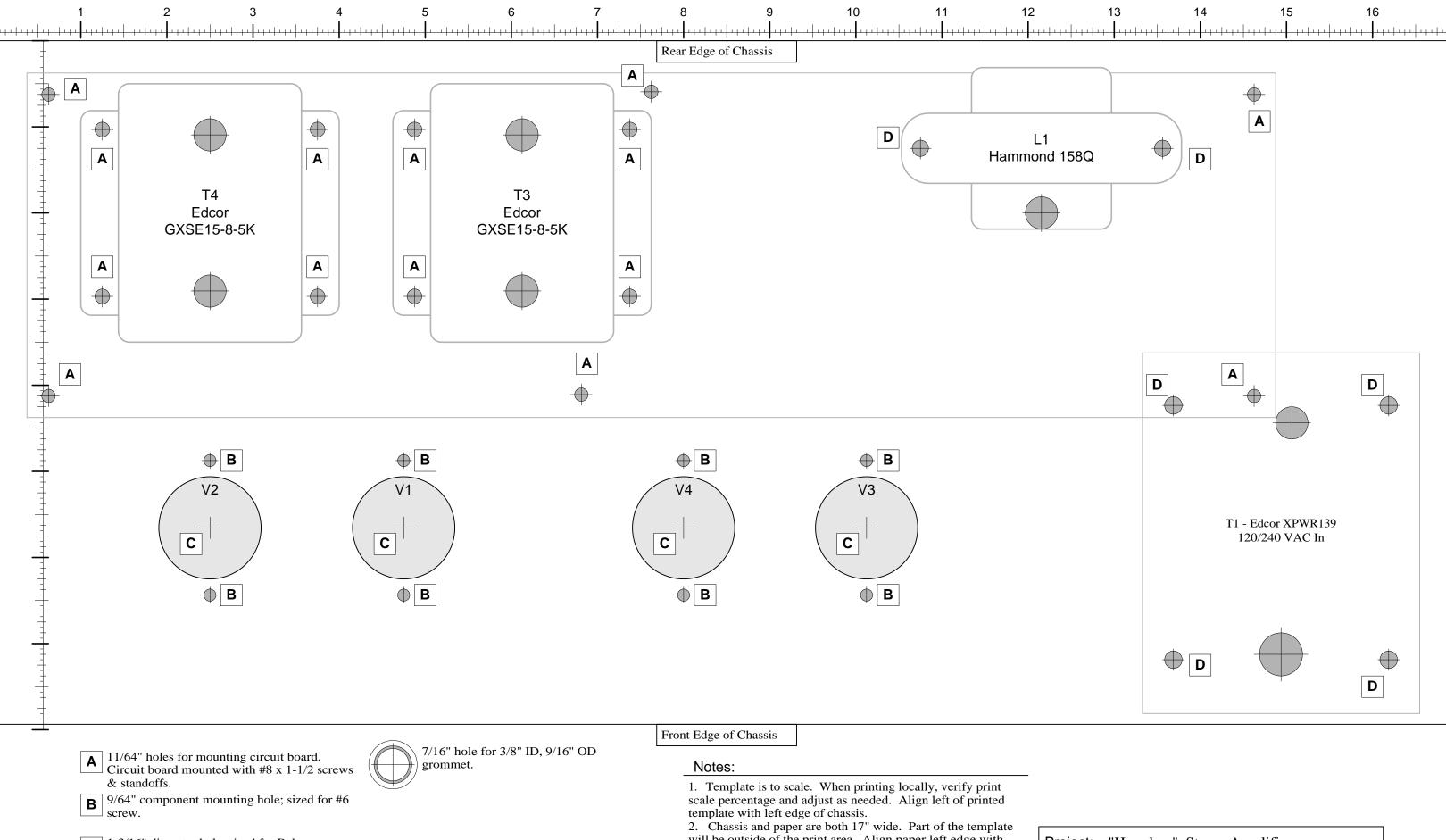
1. Template is to scale. When printing locally, verify print scale percentage and adjust as needed.

Change History:

20100414 Moved location of right ground bus hole 1/16" right for clearance with R18.

20100801 Updated D size for #6 screw.

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Circuit B	oard '	Template	Author: Michael Gorsich				
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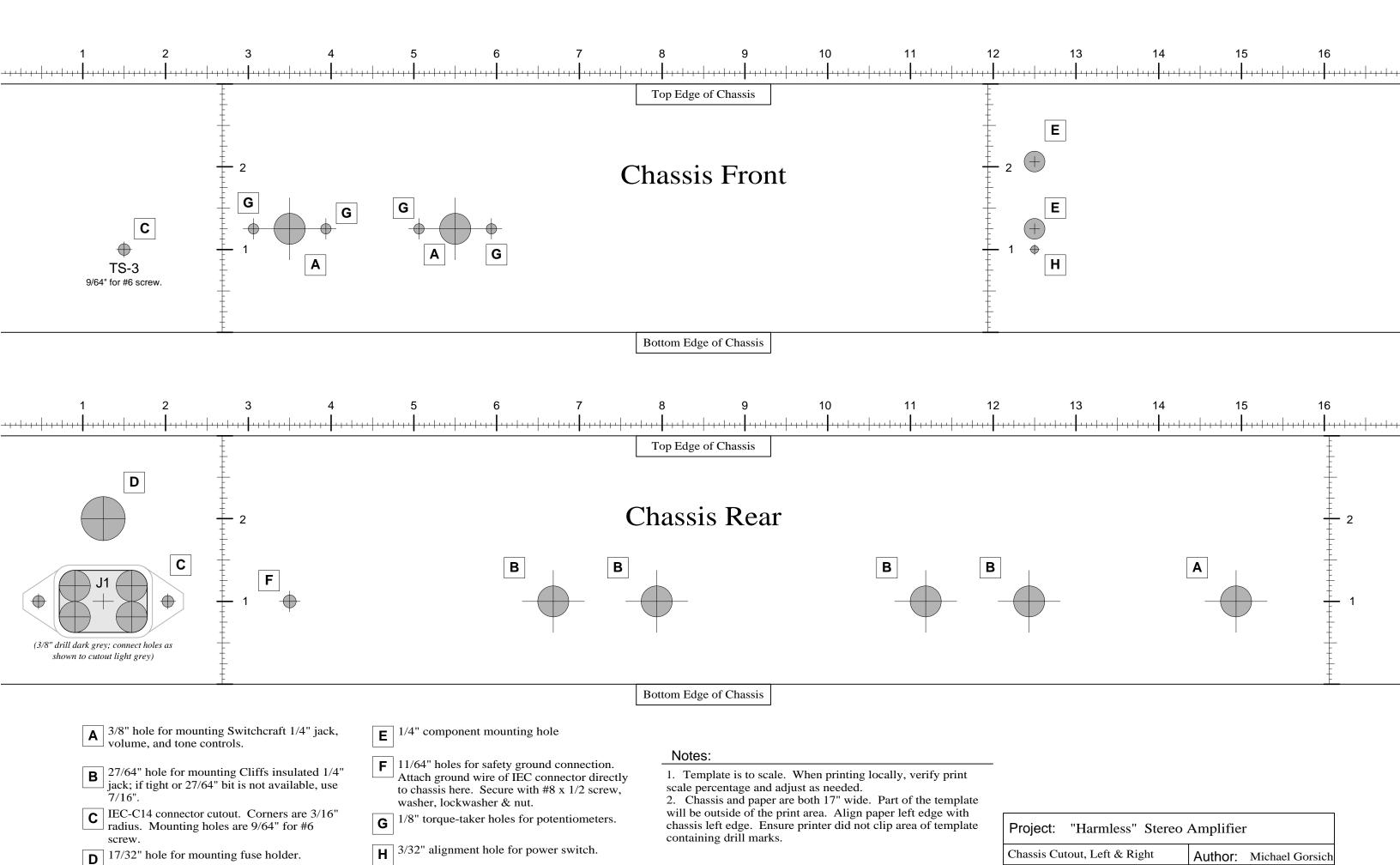


1-3/16" diameter hole, sized for Belton Micalex octal tube socket

D 13/64" component mounting hole; sized for #10 screw.

2. Chassis and paper are both 17" wide. Part of the template will be outside of the print area. Align paper left edge with chassis left edge. Ensure printer did not clip area of template containing drill marks.

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Chassis Cut	tout Pla	n, Top V	Author:	Michael Gorsich			
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Chassis Cutout, Left & Right

6

Sheet

Author: Michael Gorsich

20100418

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