MXR System Preamp II

Model 150   Drawn by: Stephen H. Lafferty

Date: 9/26/00   Rev: 0   Sheet 1 of 2

Note: Phono2 is at line level on this unit. RIAA preamp board was removed.

Note: Change phono cap to match cartridge spec, including cable capacitance.

Not installed on this unit.

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JFET J111 connections (bottom view)

Factory select to balance volume control L/R mismatch.

Schematic Notes

1. The shields are grounded for all connectors having this symbol: ⊙—

2. All opamps run on ±15V. Supply connections are not shown. -15V is on Pin-4 for all opamps. +15V is on Pin-8 except for the NE5534's which have it on Pin-7.

3. Capacitors are in µF, unless marked. Tolerance is 5% for film and mica caps. Electrolytics are 25V, unless marked.

4. Resistors are in ohms, 5%, ¼W.

5. Components marked with Δ are factory select.

6. Front wafers and pots are for the Right channel. Back ones are for the Left.

7. Reference designators and switch pin numbers are arbitrary, as this documentation was generated from hardware.

8. This documentation is based on the unit with serial number 50-000005.

Switch Numbering

Definition:
Top View - Order of pins as seen from the top (component side) of the board.
Bottom View - Order of pins as seen from the bottom of the board.
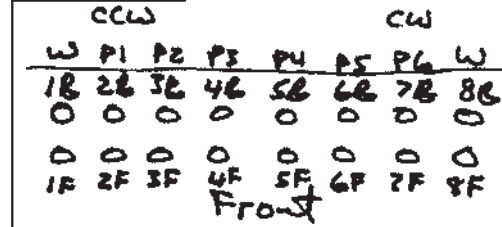View is the same whether the switch is mounted on top or bottom.

Source Switches (S1, S3)

The top row shows that the left side contacts are for counterclockwise positions; right side for clockwise.
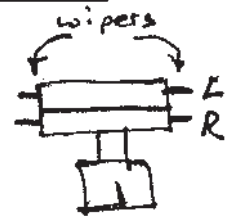The second row labels the pin columns: W--wiper, P1--first contact position etc. (Wiper connects on both sides.)
Below the line, circles represent the PWB pads. Front-wafer pads have an "F" suffix. Back-wafer pads have a "B" suffix.

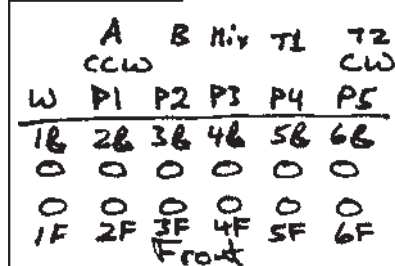### Select Switches (S8, S14)

The top row shows the channel which is selected for each position.
The second row shows that the left side contacts are for counterclockwise positions; right side for clockwise.
The third row labels the pin columns: W--wiper, P1--first contact position etc.
Below the line, circles represent the PWB pads. Front-wafer pads have an "F" suffix. Back-wafer pads have a "B" suffix.
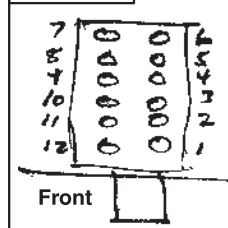

Pushbutton Switches

The Loop1 In/Out switch is shown for example, but all of the pushbutton switches are numbered similarly.
Pins are numbered just like integrated circuits: With the button facing you, begin numbering with the right front pin. Number the pins counterclockwise.
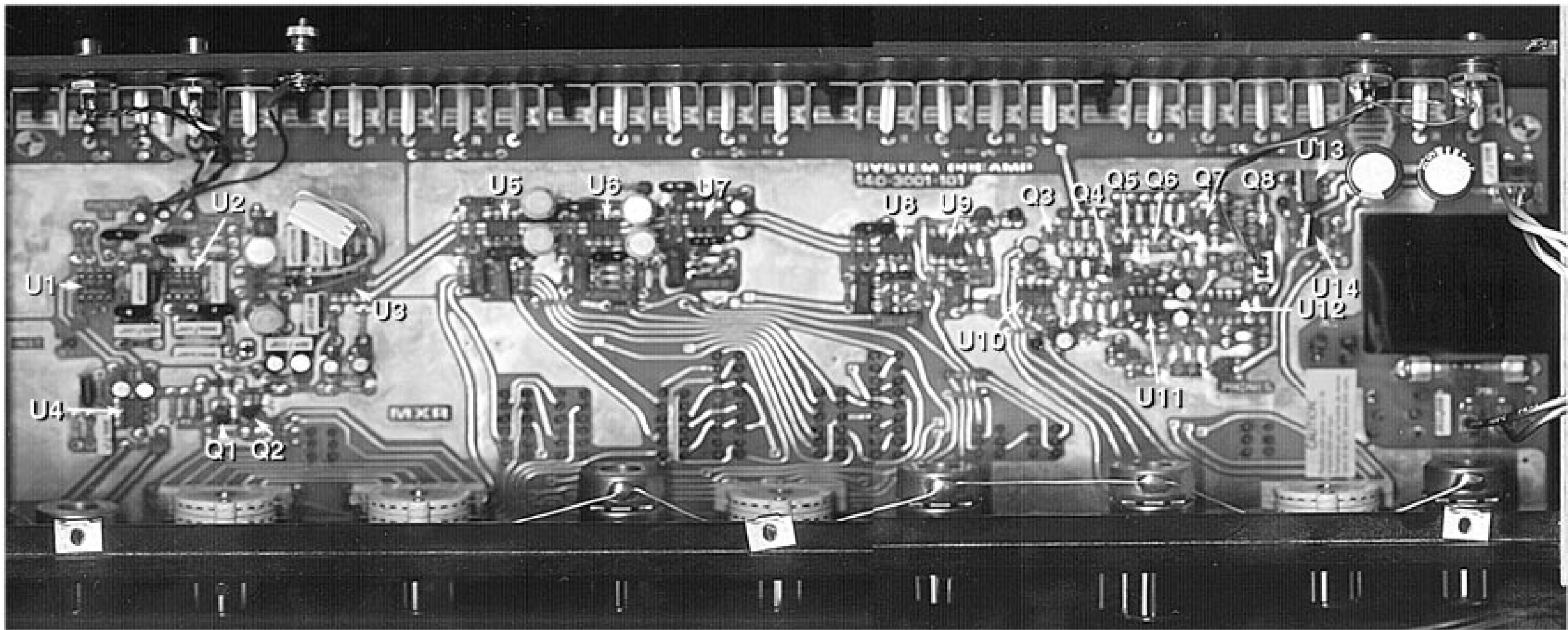

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Instrument Level		Source-A	HPF	Source-B	Record		Mix	Loop1		Select	Loop2		Bal.	LM	RM	Volume	Hi/Lo Gain	Monitor Select	Pwr	Monitor Level
					T1	T2		I/O	A/M		I/O	B/M								
		S1	S2	S3	S4	S5		S6	S7	S8	S9	S10		S11	S12		S13	S14	S15	