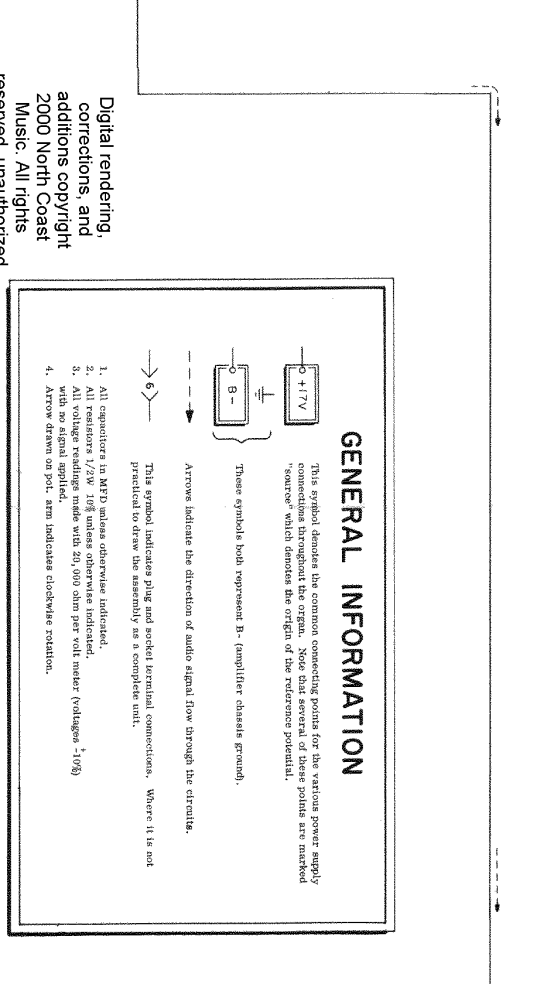
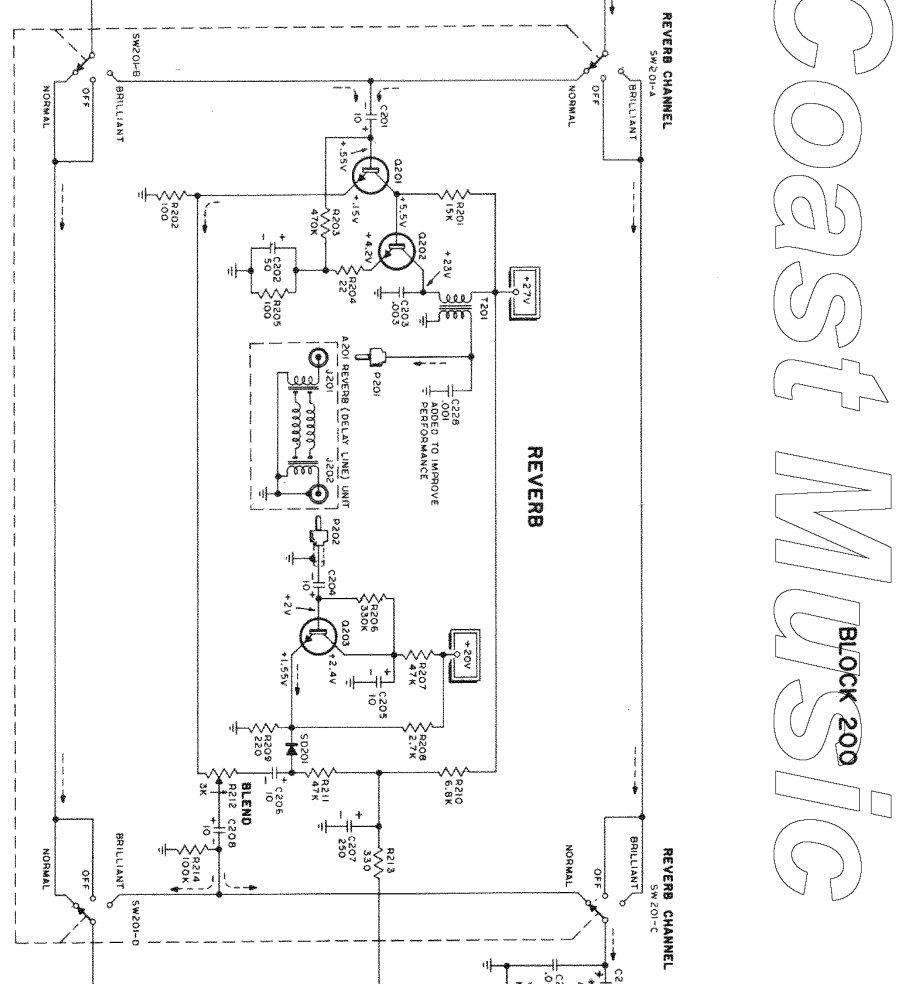
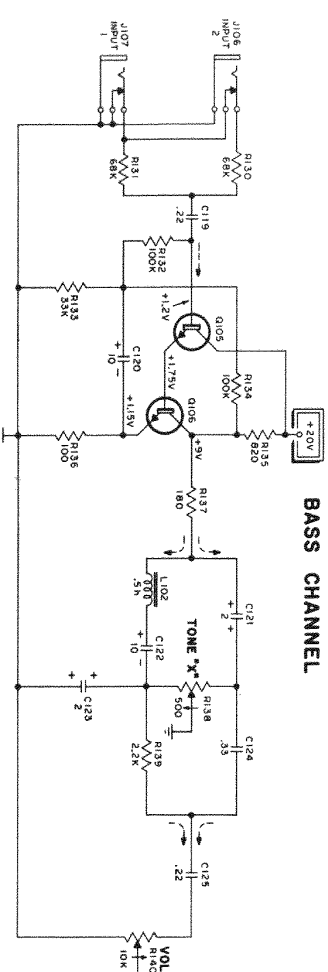
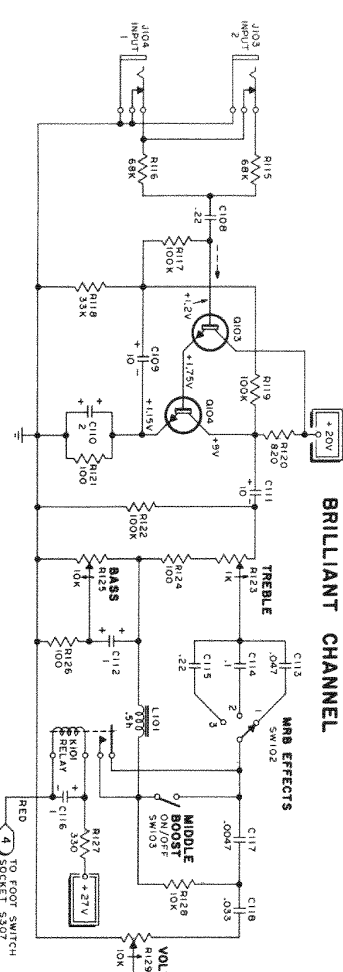
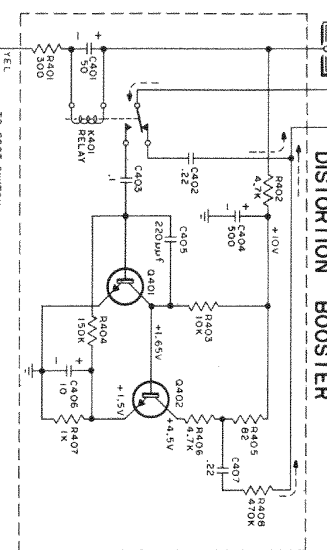
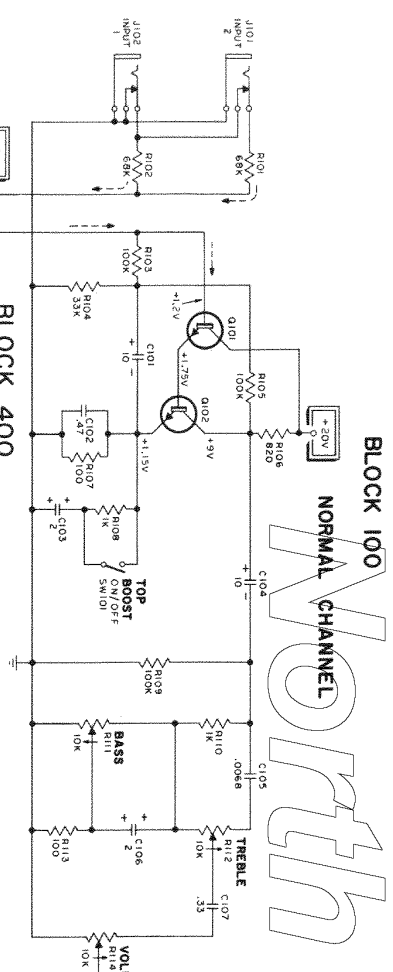


North Coast Music



GENERAL INFORMATION

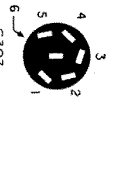
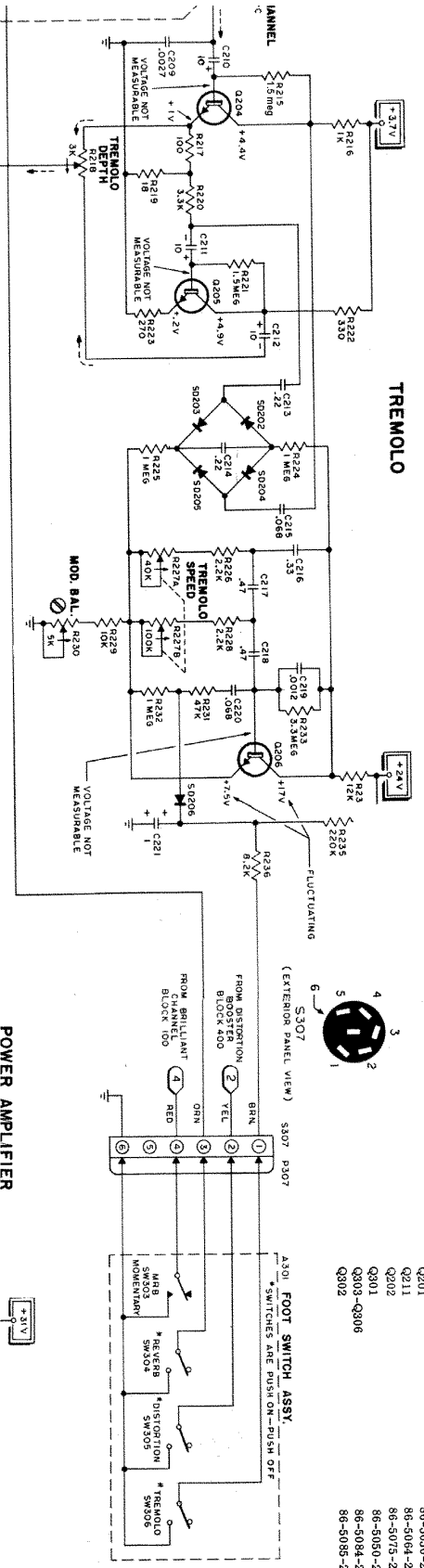
- This symbol denotes the common connecting points for the various power supply connections throughout the organ. Note that several of these points are marked "common" which denotes the origin of the reference potential.
- These symbols both represent B- (amplifier chassis ground).
- Arrows indicate the direction of audio signal flow through the circuits.
- This symbol indicates plug and socket terminal connections. Where it is not practical to draw the assembly as a complete unit.

1. All capacitors in MFD unless otherwise indicated.
2. All resistors 1/2W 10% unless otherwise indicated.
3. All voltage readings made with 50,000 ohm per volt meter (voltage 1-10V).
4. Arrows drawn to pins, pin indicates clockwise rotation.

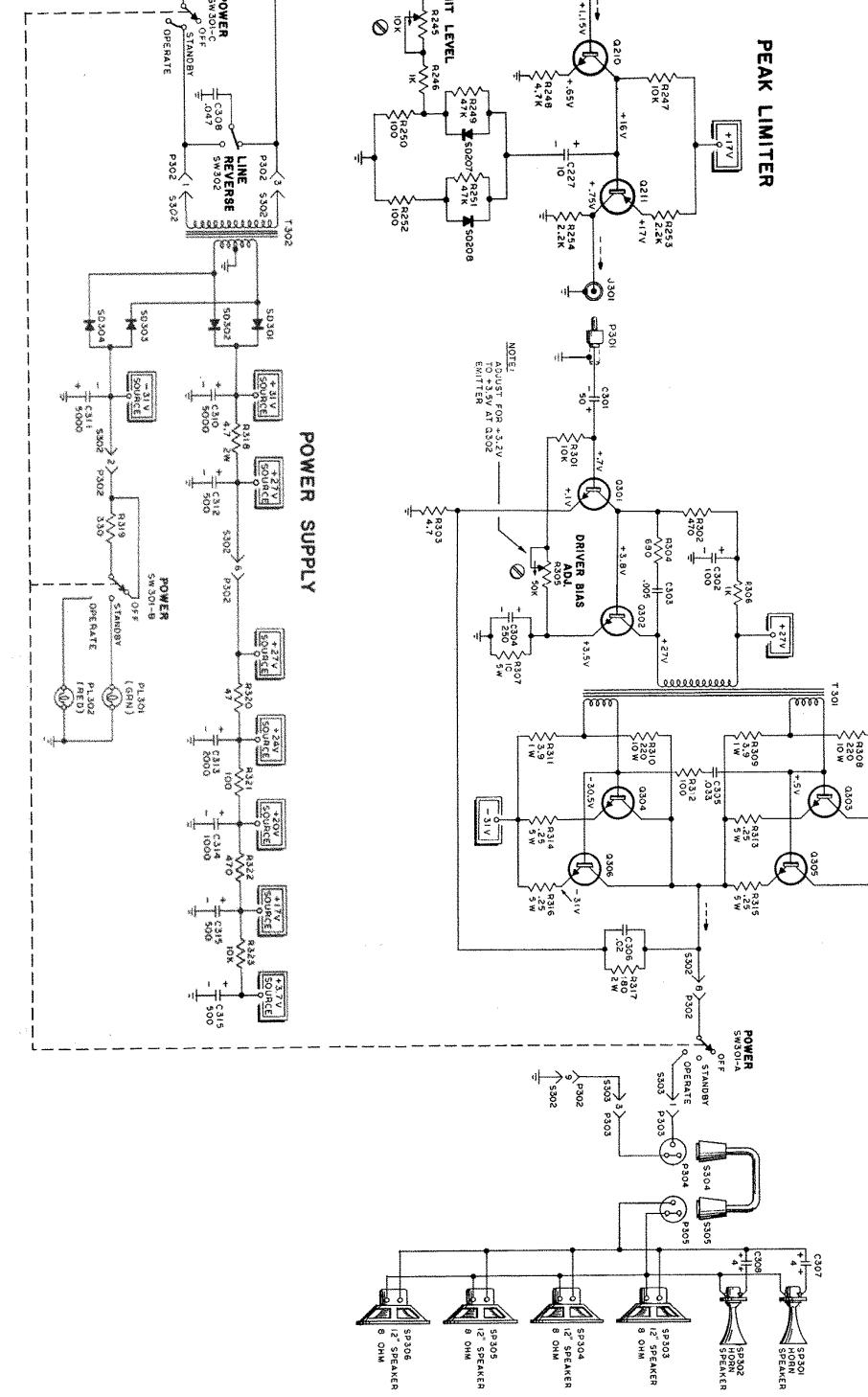
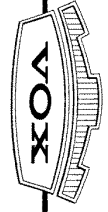
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| | | |
|-------------------------------|-----------|---------------------------|
| Q101-Q102-Q103-Q104-Q105-Q106 | 86-5044-2 | Transistor (Green/Yellow) |
| Q203-Q204-Q205-Q206-Q207-Q208 | 86-5044-2 | Transistor (Green/Yellow) |
| Q209-Q210 | 86-5050-2 | Transistor (Yellow) |
| Q211 | 86-5064-2 | Transistor |
| Q212 | 86-5073-2 | Transistor "G" |
| Q301 | 86-5075-2 | Transistor-Yellow |
| Q302-Q306 | 86-5084-2 | Output Transistor |
| Q307 | 86-5085-2 | Driver Transistor |

BLOCK 300



SUPER BEATLE



V1141



ADDENDUM

V1141

SERVICE INFORMATION

Thomas Organ Company • National Service Department • Sepulveda, California

This addendum lists all circuit changes that have taken place in Model V1141

The attached schematics pertain to the affected blocks only, and supersede the previous schematics for the same blocks.

Figure 1. is the new schematic of Block 200 less the Reverb circuit.

Figure 2. is the new schematic of Block 300.

The changes are as follows:

BLOCK 200 REVERB-TREMOLO-MIXER

TREMOLO

All Resistors are 1/2W 10% Unless Otherwise Indicated

| Location | | Part No. | Description |
|----------|------|-----------|--------------------------|
| C210 | Omit | 18-5124-3 | 10 uF 15V (Electro) |
| | Add | 18-5057-3 | 1 uF 15V (N. P. Electro) |
| R215 | Omit | 60-15501 | 1.5 Meg Ohm |
| | Add | 60-39401 | 390 k Ohm |

MIXER

| | | | |
|----------------|------|-----------|--------------------------|
| C222-C223-C224 | Omit | 18-5124-3 | 10 uF 15V (Electro) |
| | Add | 18-5057-3 | 1 uF 15V (N. P. Electro) |

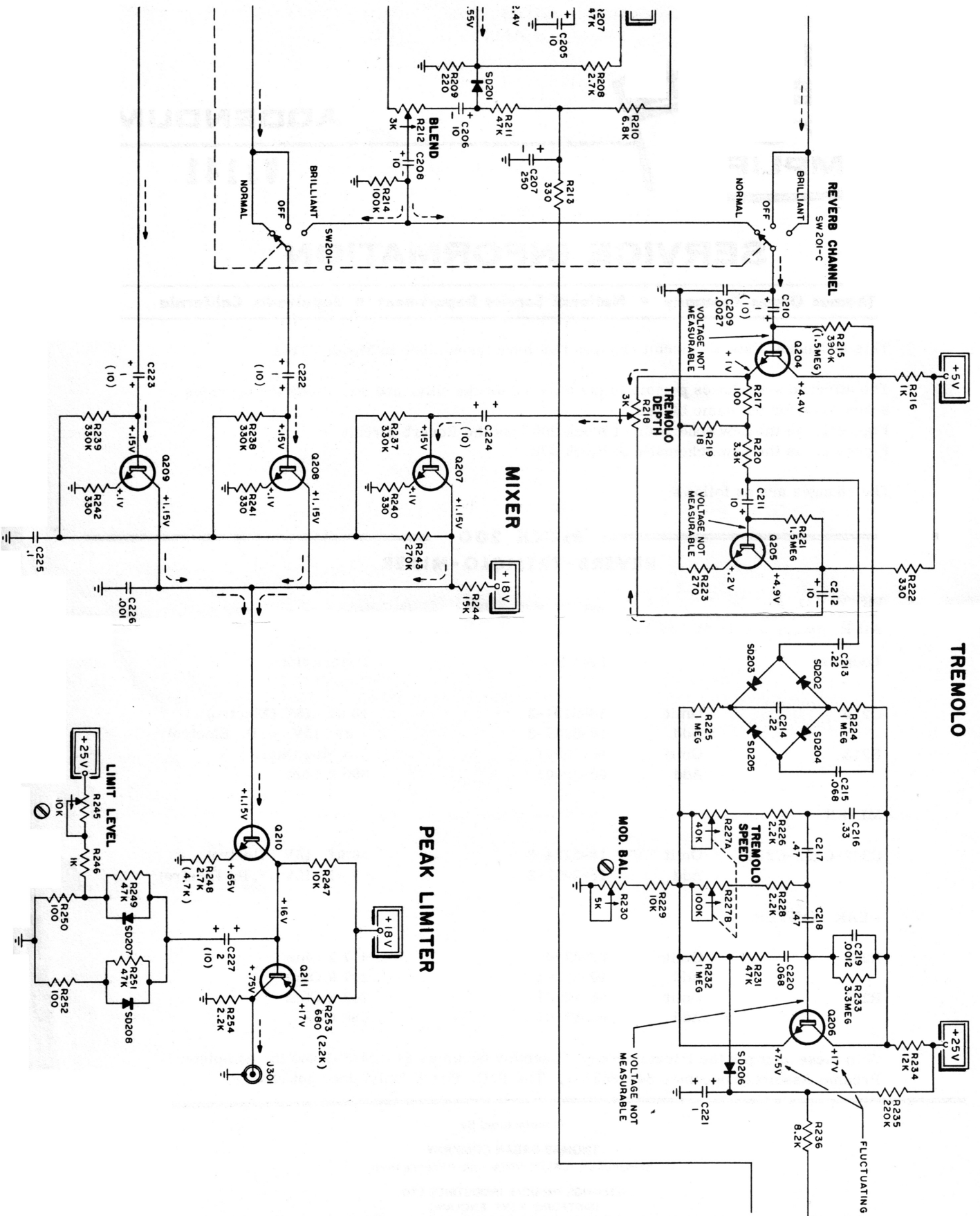
PEAK LIMITER

| | | | |
|------|------|----------|-----------|
| R248 | Omit | 60-47201 | 4.7 k Ohm |
| | Add | 60-27201 | 2.7 k Ohm |
| R253 | Omit | 60-22201 | 2.2 k Ohm |
| | Add | 60-68101 | 680 Ohm |

With these changes the Preamp Board Assembly becomes 84-18443-1 and the complete Preamp Assembly becomes 84-18552-1. The P. C. Board (only) does not change.

Manufactured By
THOMAS ORGAN COMPANY
SEPULVEDA, CALIFORNIA, under license from
JENNINGS MUSICAL INDUSTRIES LTD.
DARTFORD, KENT, ENGLAND

Figure 1. Block 200 Schematic less the Reverb Circuit.



BLOCK 300
POWER SUPPLY - AMPLIFIER

| | | | |
|------|------|-----------|---------------------|
| C301 | Omit | 18-5125-3 | 50 uF 25V (Electro) |
| | Add | 18-5072-3 | 10 uF 15V (Electro) |
| C303 | Omit | 15-50211 | .005 uF 100V 10% |
| R304 | Omit | 60-68101 | 680 Ohm |

NOTE: The above two components are deleted with no replacements.

| | | | |
|------|------|-----------|------------------|
| C305 | Omit | 20-8222-1 | .003 uF 400V 10% |
| | Add | 20-8421-1 | .068 uF 200V 10% |
| C306 | Omit | 15-20311 | .02 uF 500V 10% |
| | Add | 15-10111 | 100 pF 500V 10% |
| R312 | Omit | 60-10101 | 100 Ohm |
| | Add | 60-39001 | 39 Ohm |
| R317 | Omit | 61-5054-0 | 180 Ohm 2W 10% |
| | Add | 60-33301 | 33 k Ohm |
| R324 | Add | 60-27101 | 270 Ohm |

This resistor is connected from the junction of C301 and P301 to chassis ground.

| | | | |
|------|-----|----------|-----------|
| R325 | Add | 60-12401 | 120 k Ohm |
|------|-----|----------|-----------|

This resistor is connected from the junction of C301 and R301 to the junction of C306 and R317.

With these changes the Power Amplifier Assembly becomes 84-18004-1 and the complete Amplifier Unit becomes 84-18551-1.

In addition to the circuitry changes, retaining pins have been added to secure the Reverb Delay Line during transit. These pins are connected to two strings which are accessible from the rear.

Before operating the unit, pull the two strings. This will release the retaining pins which can be discarded, leaving the instrument ready for operation.

SERVICE NOTES

Figure 2. Power Amplifier Schematic for V1141.

POWER AMPLIFIER

NOTE: ORIGINAL PART VALUES SHOWN IN PARENTHESIS

