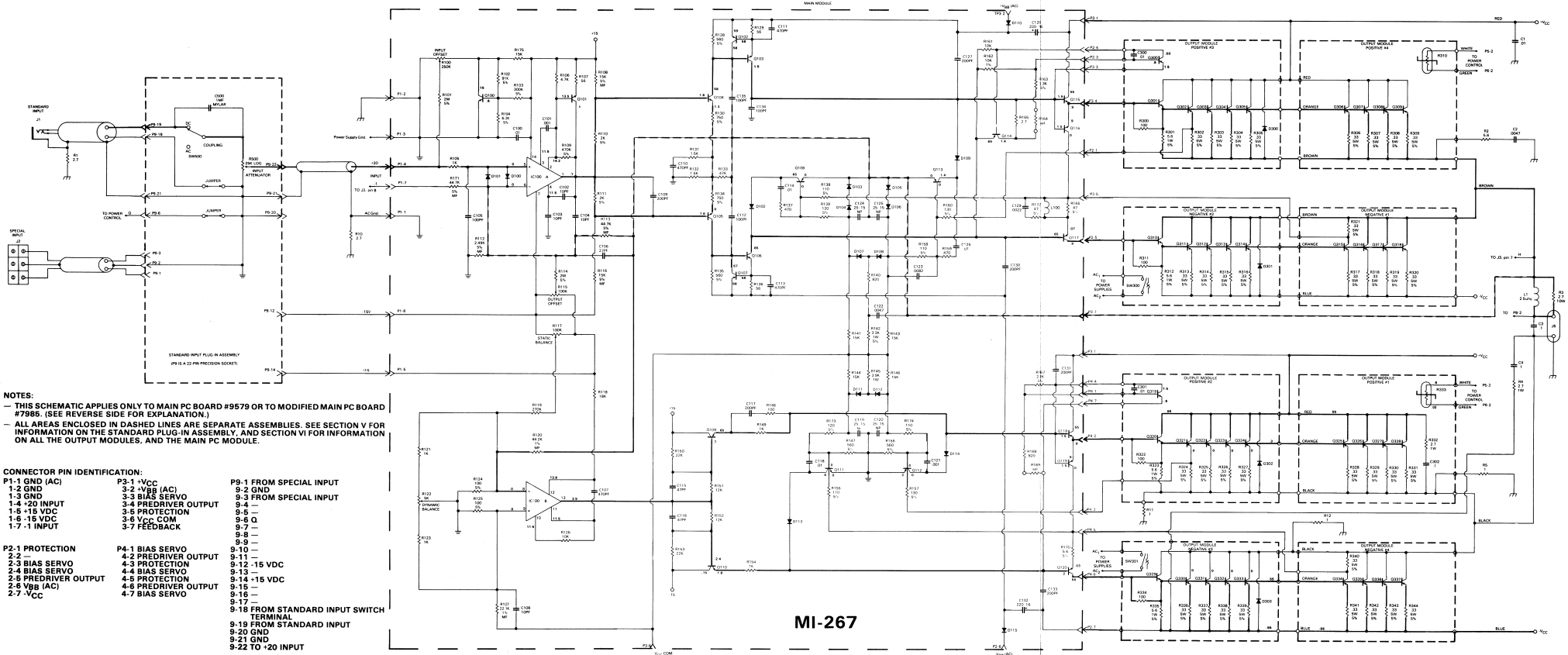


NOTES:

— THIS SCHEMATIC APPLIES ONLY TO MAIN PC BOARD #9579 OR TO MODIFIED MAIN PC BOARD #7985. (SEE REVERSE SIDE FOR EXPLANATION.)

— ALL AREAS ENCLOSED IN DASHED LINES ARE SEPARATE ASSEMBLIES. SEE SECTION V FOR INFORMATION ON THE STANDARD PLUG-IN ASSEMBLY, AND SECTION VI FOR INFORMATION ON ALL THE OUTPUT MODULES, AND THE MAIN PC MODULE.

CONNECTOR PIN IDENTIFICATION:

P1-1 GND (AC)
1-2 GND
1-3 GND
1-4 +20 INPUT
1-5 +15 VDC
1-6 -15 VDC
1-7 -1 INPUT

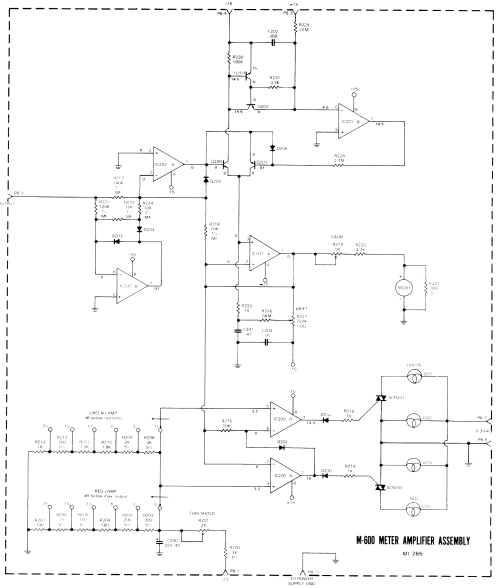
P2-1 PROTECTION
2-2 —
2-3 BIAS SERVO
2-4 BIAS SERVO
2-5 PREDRIVER OUTPUT
2-6 V_{BB} (AC)
2-7 $-V_{CC}$

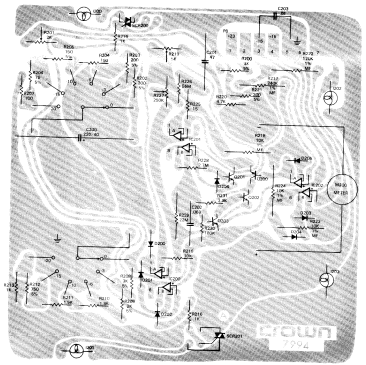
P3-1 $+V_{CC}$
3-2 V_{BB} (AC)
3-3 BIAS SERVO
3-4 PREDRIVER OUTPUT
3-5 PROTECTION
3-6 V_{CC} COM
3-7 FEEDBACK

P4-1 BIAS SERVO
4-2 PREDRIVER OUTPUT
4-3 PROTECTION
4-4 BIAS SERVO
4-5 PROTECTION
4-6 PREDRIVER OUTPUT
4-7 BIAS SERVO

P9-1 FROM SPECIAL INPUT
9-2 GND
9-3 FROM SPECIAL INPUT
9-4 —
9-5 —
9-6 Q
9-7 —
9-8 —
9-9 —
9-10 —
9-11 —
9-12 -15 VDC
9-13 —
9-14 +15 VDC
9-15 —
9-16 —
9-17 —
9-18 FROM STANDARD INPUT SWITCH TERMINAL
9-19 FROM STANDARD INPUT
9-20 GND
9-21 GND
9-22 TO +20 INPUT

Fig. 4-2. M-600 Electrical Schematic Diagram





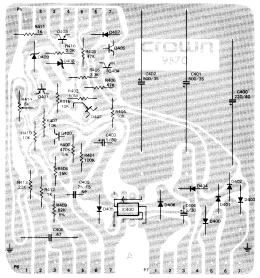
NOTES FOR METER AMPLIFIER:

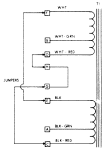
1. SCHEMATIC MI-265 APPLIES ONLY TO PC BOARD #7994.
2. THE METER MODULE (7994), THE TWO ATTENUATOR SWITCHES, THE LAMPS, AND THE METER, ALL FORM THE METER AMPLIFIER ASSEMBLY.

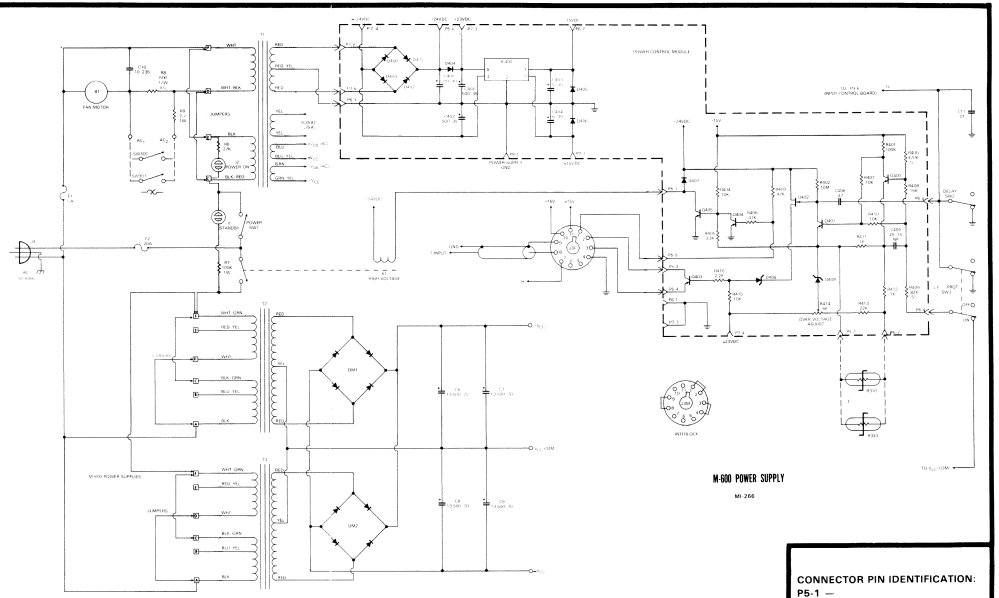
CONNECTOR PIN IDENTIFICATION:

P8-1 +23 VDC
8-2 FROM OUTPUT
8-3 -15 VDC
8-4 +15 VDC
8-5 GROUND
8-6 6.3VAC/GND
8-7 6.3 VAC

Fig. 4-5 Display Circuit Schematic Diagram







NOTES FOR POWER SUPPLIES:

1. SCHEMATIC MI-266 APPLIES ONLY TO PC BOARD #9570. SEE REVERSE SIDE FOR ADDITIONAL INFORMATION.
2. POWER SUPPLIES SHOWN ILLUSTRATE CPN 3819 AT T1, AND CPN 4004 AT T2, T3. ALL SUPPLIES ILLUSTRATE PROPER HOOK-UP FOR 120 VAC OPERATION. FOR OPERATION AT OTHER LINE VOLTAGES, SEE 3.5 CONNECTING POWER.
3. LOW VOLTAGE TRANSFORMER 4355 IS SHOWN AT LEFT. NOTE THE ADDITION OF 100V TAPS.
4. SCHEMATIC FOR 3435 TRANSFORMER IS IDENTICAL TO 4004 SHOWN. HOWEVER, THE 100V TAP BECOMES A 120V TAP, AND THE 120V TAP BECOMES A 126V TAP.
5. ‡THERMAL SENSORS ARE MOUNTED ON OUTPUT BOARDS.
6. *THERMAL SWITCHES ARE MOUNTED ON OUTPUT BOARDS.

CONNECTOR PIN IDENTIFICATION:

P5-1 —
5-2 INPUT FROM MOXIES
5-3 TO J3F, PIN 2
5-4 TO J3F, PIN 3
5-5 TO J3F, PIN 1
5-6 +24 VDC
5-7 RELAY
P6-1 GROUND
6-2 INPUT FROM MOXIES
6-3 —
6-4 TO L.F. PROT. SWITCH
6-5 TO DELAY SWITCH
6-6 —
6-7 +15 VDC
P7-1 -15 VDC
7-2 —
7-3 +23 VDC
7-4 -24 VDC
7-5 33 VAC INPUT
7-6 33 VAC INPUT
7-7 GROUND

Fig. 4-4. M-600 Power Supply Schematic Diagram

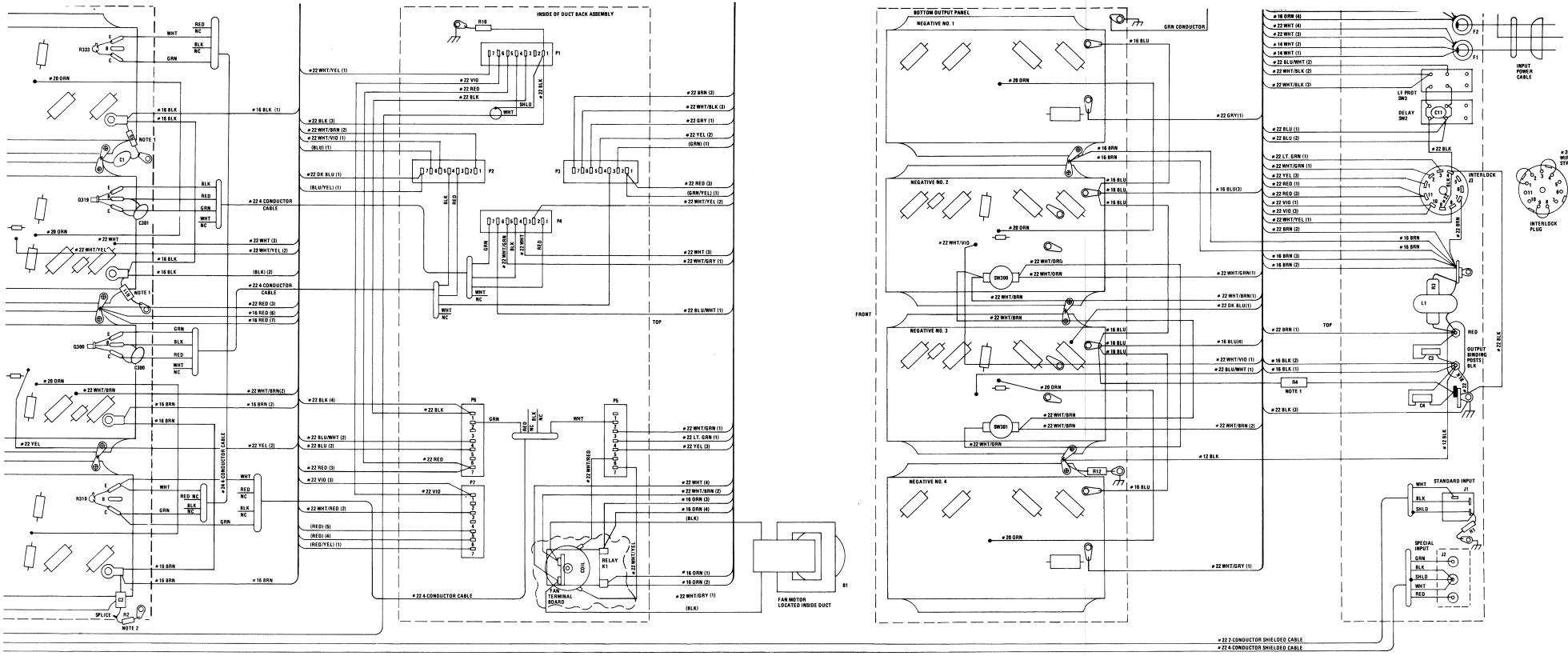


Fig. 7-2. Model M-600 Amplifier Wiring Diagram (Sheet 2 of 2)