

Ampex interface chart for SEARCH - TO - CUE

J1 - Connector on basic servo chassis
J2 - Connector on existing control box

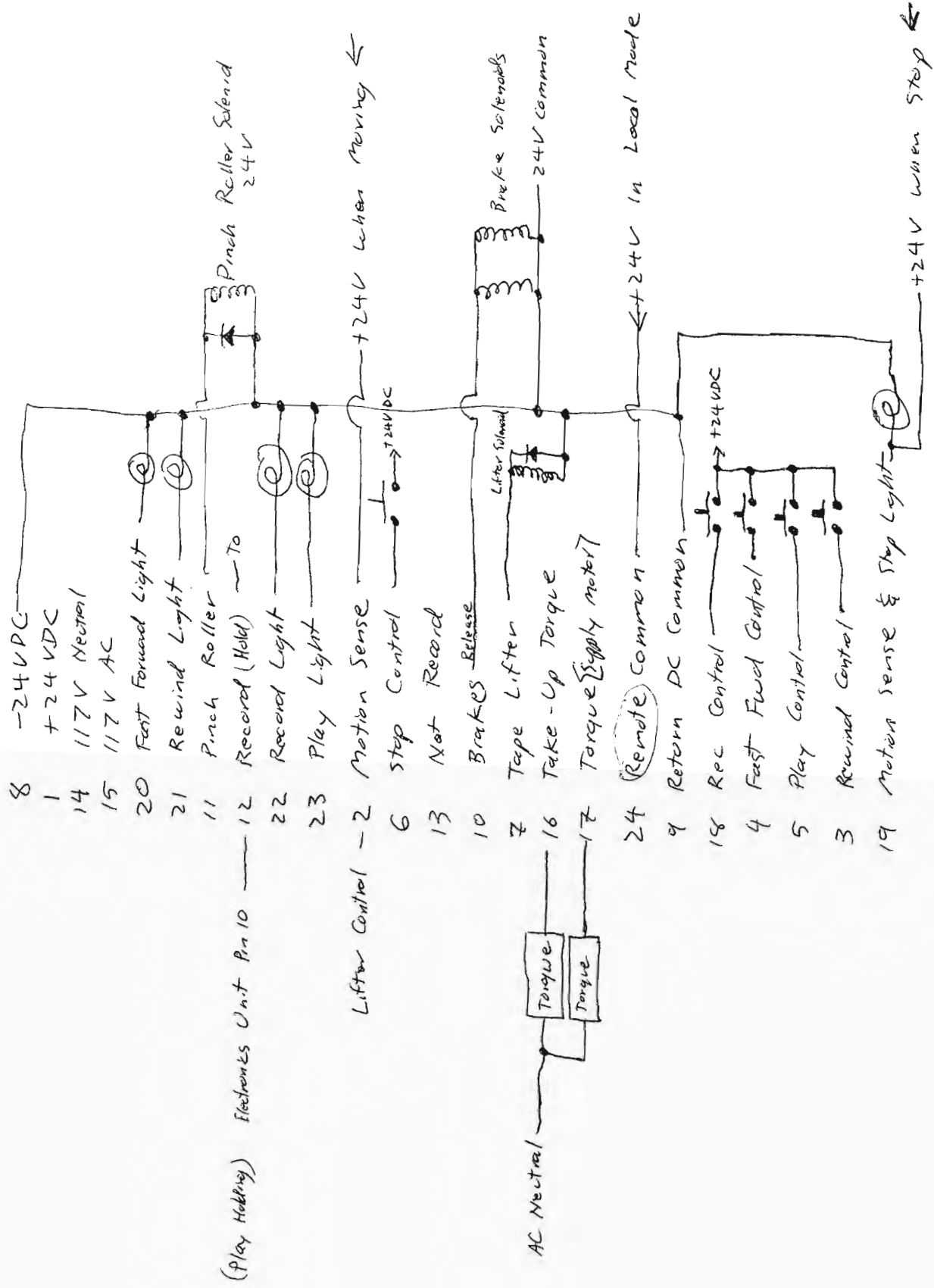
10-pin Jones Search to Cue Connector	Control box Connector "J2"
1 ----- +24VDC from control box -----	1
2 ----- stop button -----	6
3 ----- record button -----	18
4 ----- fast forward button -----	4
5 ----- rewind button -----	3
6 ----- DC common -----	8
7 ----- +24VDC from control box -----	1
8 ----- 117 vac neutral from control box -----	14
9 ----- 117 vac hot from control box -----	15
10 ----- play button -----	5

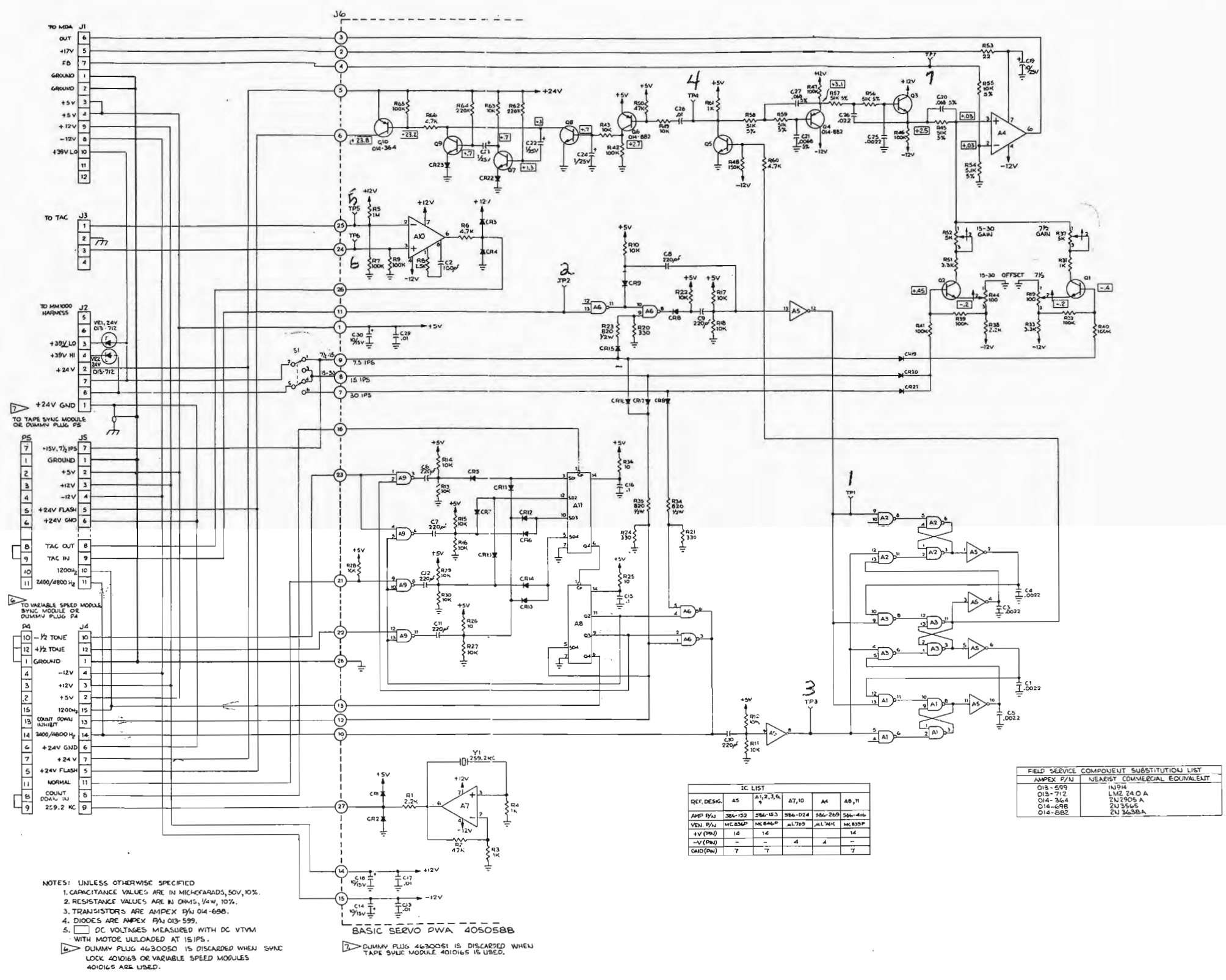
MM-1000 takes +24VDC active for stop, play, record, rewind, ffwd

STC/Molex connector	Servo Connector "J1"
1 ----- +12 vdc from capstan servo power supply/MDA -----	9
2 ----- -12 vdc from capstan servo power supply/MDA -----	8
3 ----- ground -----	1,2
4 ----- +3 vdc (high speed) -----	12

NOTE: cut and insulate the white/purple wire (pin 12) in the male connector that normally mates with "J1" on the capstan servo chassis, (other end goes to the capstan servo power supply/MDA)

Install a 12 volt 1 watt zener diode inside the capstan servo chassis between pin 8 of J2 (+15 volts when in the high speed mode) and pin 12 of J1 (now will be +3 volts when in the high speed mode) It is used to indicate the speed selected to the Search to Cue card.

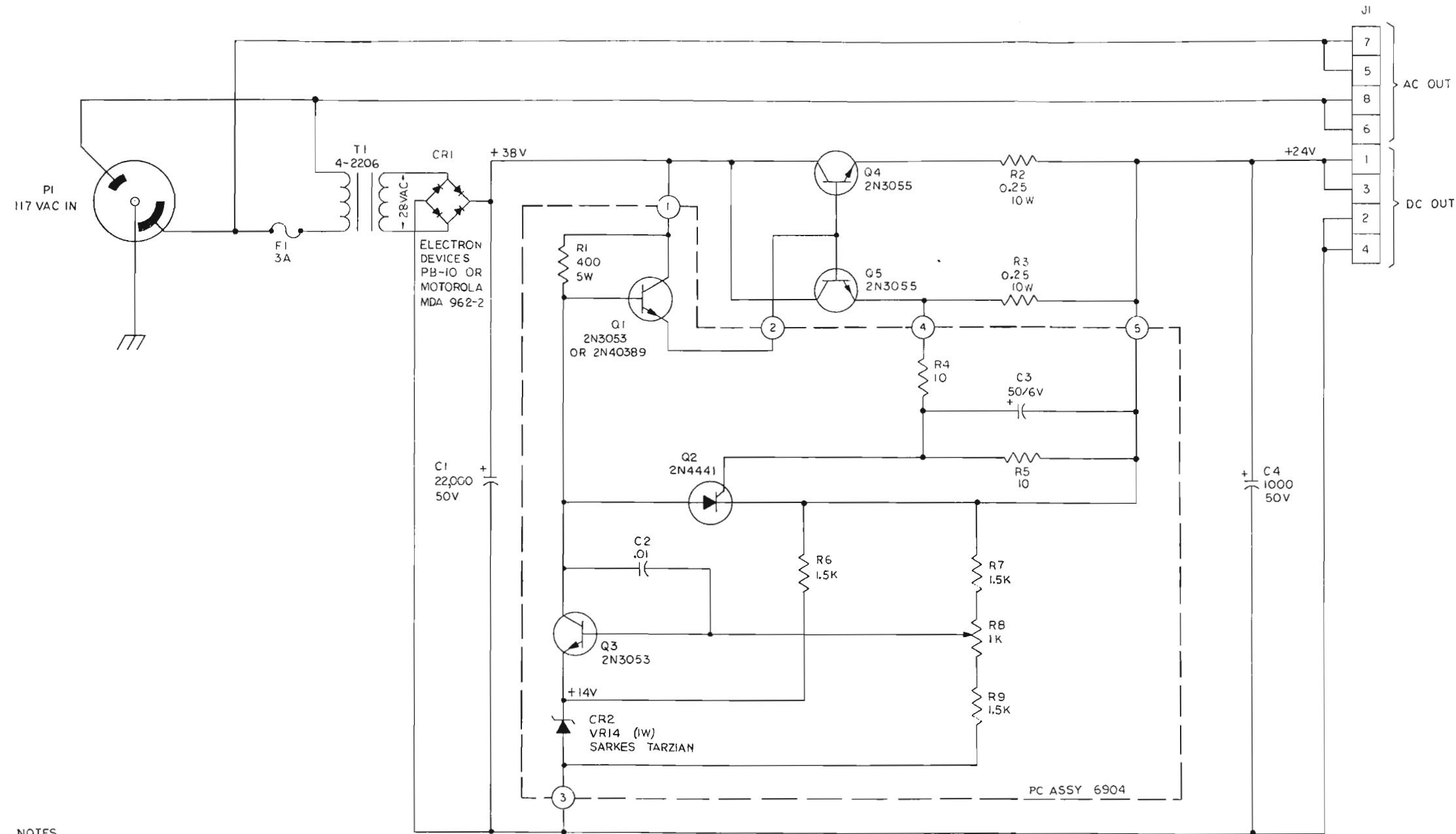




Schematic No. 4840243-
(Ref. Assy. No. 4060003)

Figure 6-2. Basic Servo Control Electronics Schematic

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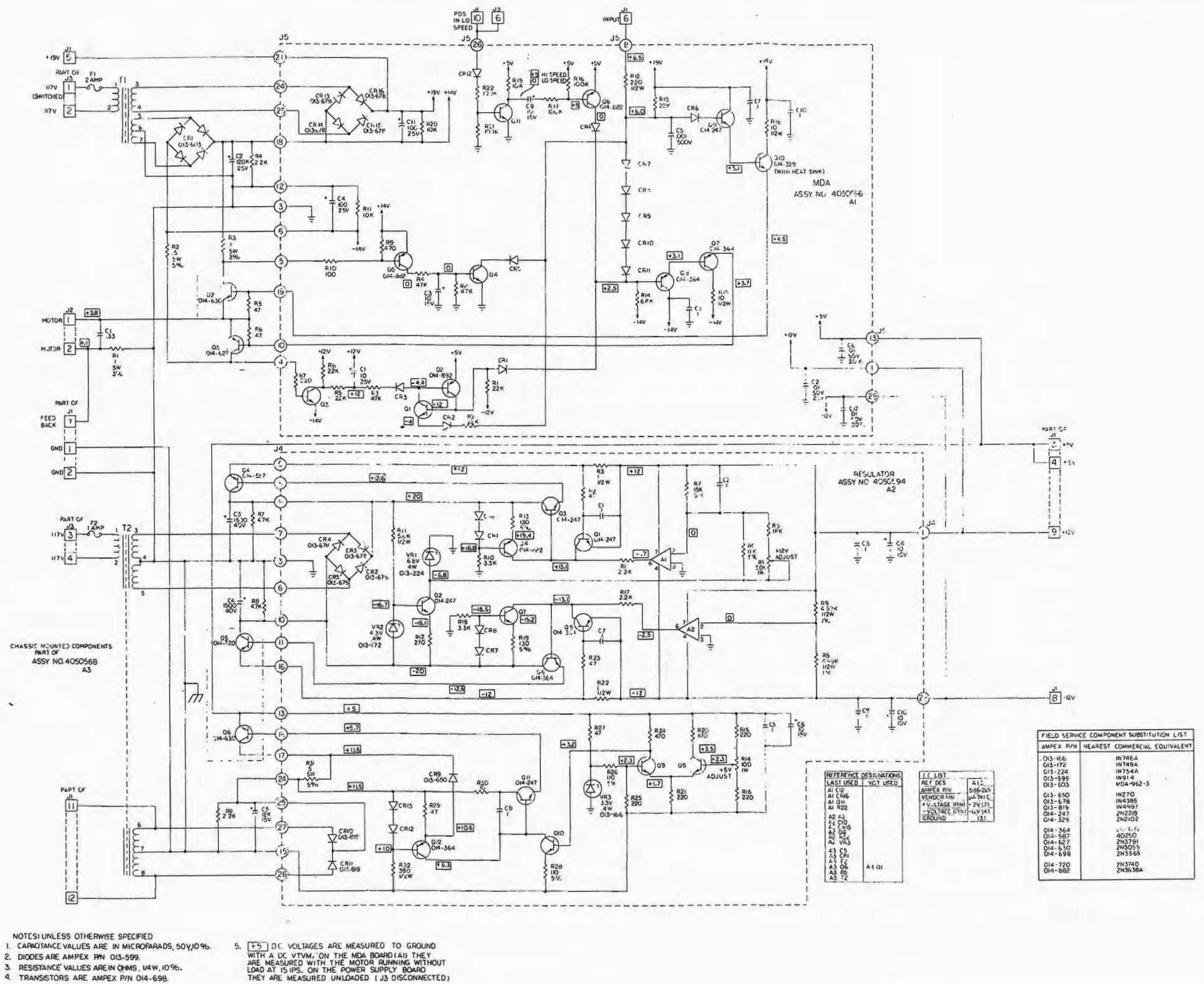
NOTES

1. THE CURRENT LIMIT CIRCUIT IS A LATCHING TYPE. TO RESET, THE POWER MUST BE INTERRUPTED LONG ENOUGH FOR C1 TO DISCHARGE BELOW A VOLTAGE SUFFICIENT TO MAINTAIN SUSTAINING CURRENT IN Q2 (APPROX 20 SECONDS).
2. UNLESS OTHERWISE STATED ALL RESISTANCES ARE IN OHMS, ALL CAPACITANCE IS IN MICROFARADS.
3. VOLTAGES LISTED ARE WITH NO LOAD ON THE OUTPUT & 20K/V VOM. UNLESS OTHERWISE NOTED, VOLTAGES ARE REFERENCED TO C1 MINUS.
4. POWER SUPPLY MANUFACTURED BY CONSOLTRONICS ASSOC, INC. PART NO. 6902.

Schematic No. 4840196-
Ref. Assy. No. 4952890

Figure 6-12. Power Supply, 24 VDC, Schematic

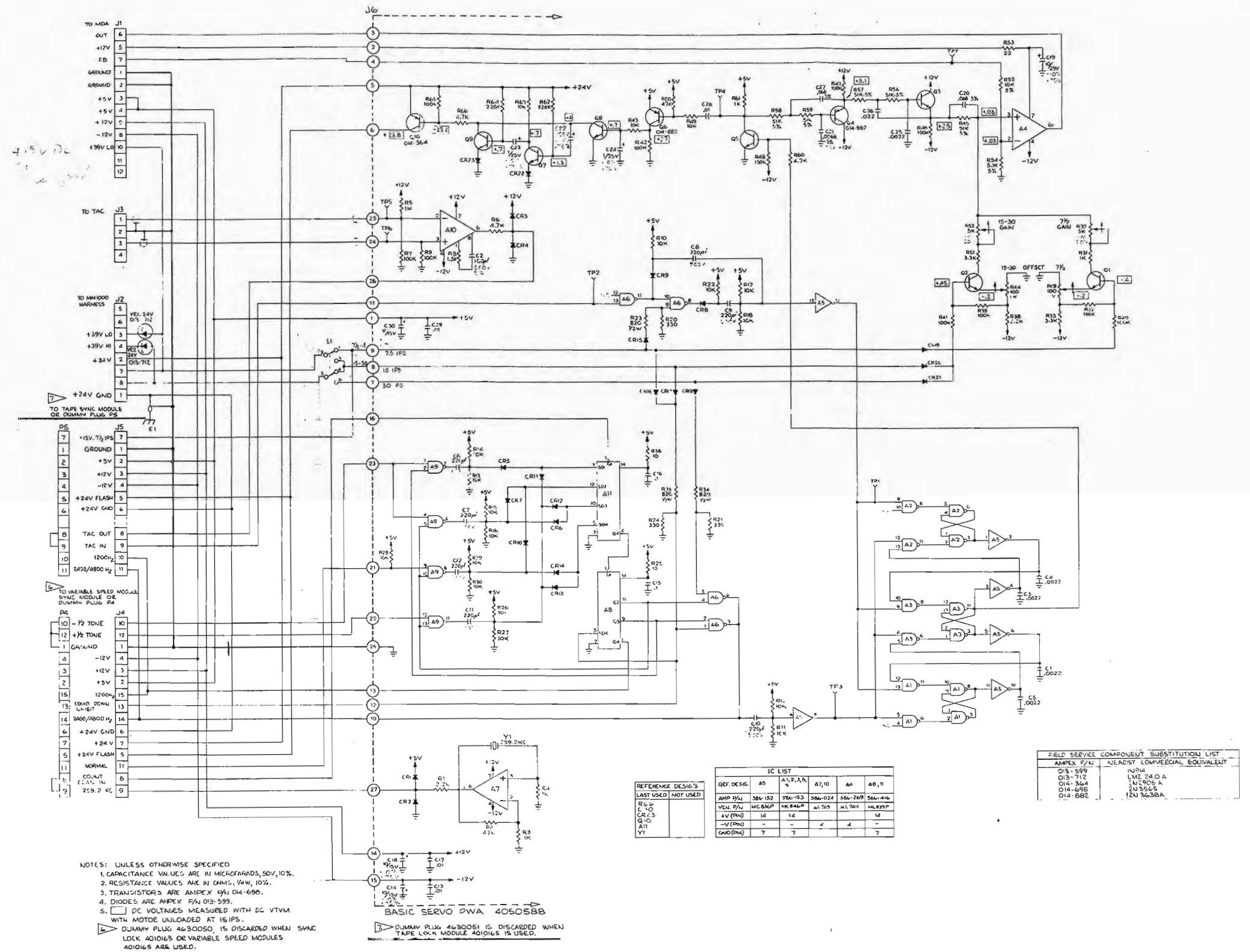
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Schematic No. 4840246-
Ref. Assy. No. 4050568

Figure 6-16. Power Supply/MDA Schematic

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Schematic No. 4840243-
Ref. Assy. No. 4060003

Figure 6-17. Basic Servo Control Schematic