

LEGEND

- C4 1.0 MFD.
- C5 .022 MFD.
- C6 .022 MFD.
- C7 .02 MFD.

- D4 1 AMP.
- D5 3 AMP.
- D6 3 AMP.
- D7 1 AMP.
- D8 3 AMP.
- D9 3 AMP.
- D10 3 AMP.
- D11 3 AMP.
- DZ1 27 V.
- F2 10 AMP.

- R4 22Ω
- R5 4.7Ω
- R8 3.9 KΩ
- R9 3.0 KΩ
- R10 10 KΩ
- R11 1.5 KΩ
- R12 10KΩ POT
- R13 3.0Ω 25W
- R14 4.8Ω 10W
- R16 10 KΩ
- R17 2.2 KΩ*

- SW1 VOLTAGE CONTROL SWITCH
- SW2 POWER ON-OFF SWITCH
- SW3 CONTROL CIRCUIT SWITCH
- T.1 MAIN TRANSFORMER
- T.2 AUX. TRANSFORMER
- MA1 } MAG-AMP. TRANSFORMERS
- MA2 }
- MA3 }
- ICR INPUT CONTACTOR
- 2CR PILOT RELAY

RECT. 1 MAIN POWER RECT.

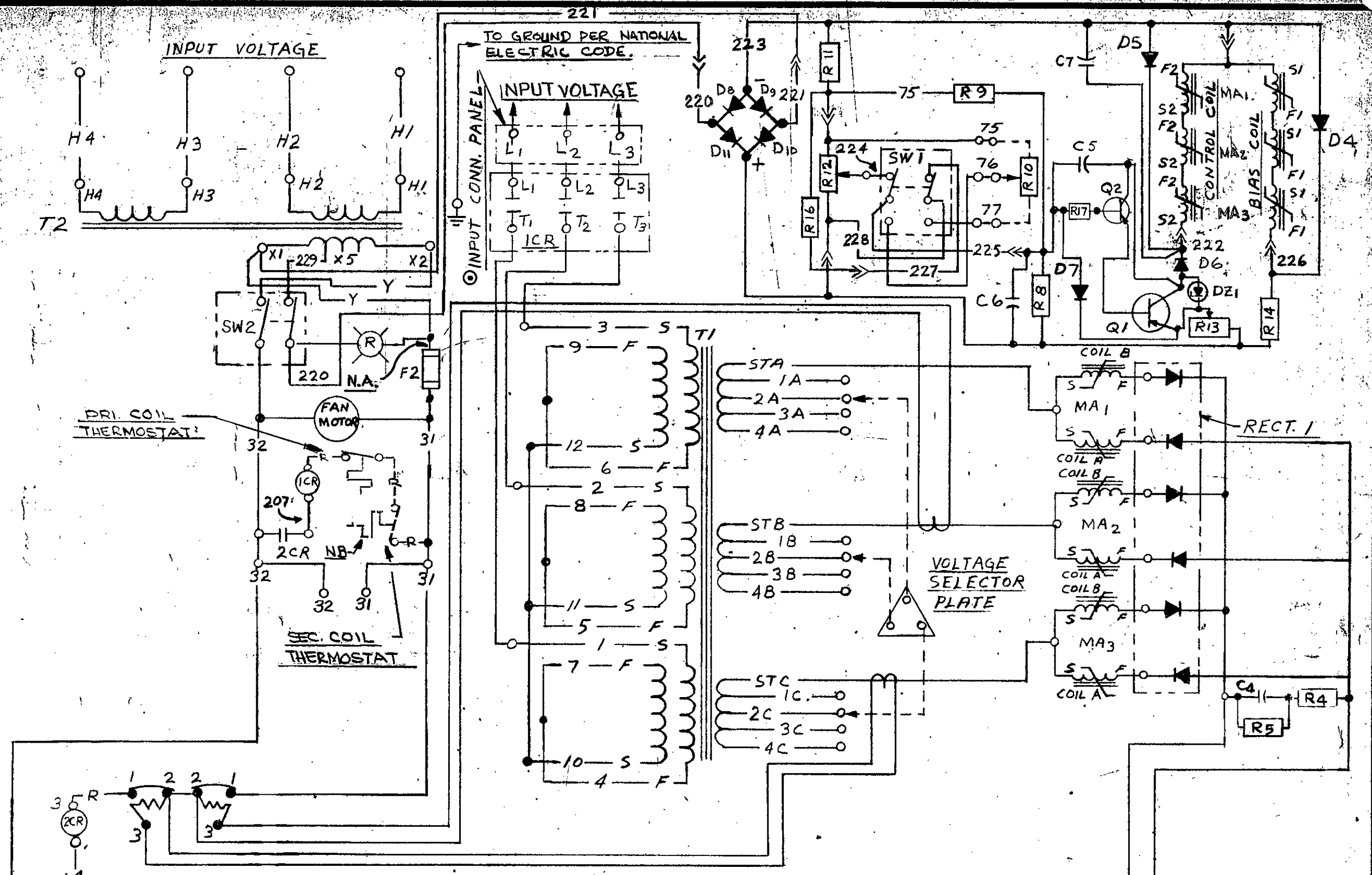
- Q1 2N5879
- Q2 2N5815

L1 CHOKE

* NOT ON EARLIER MACHINES

⊙ USED ONLY FOR BELOW 380V. INPUT

AUSTRALIA CANADA 5-78 FRANCE 7-80 ARNCO



LEAD COLOR CODE
 G - GREEN
 Y - YELLOW
 R - RED

SW.1 SHOWN IN MACHINE POSITION

NOTE SEE WIRING DIAGRAM FOR INPUT CONNECTIONS

N.A. CENTER TERMINAL OF FUSE HOLDER, N.B. DOES NOT APPEAR ON ALL MACHINES

ANSI ELECTRICAL SYMBOLS PER E-1537

UNLESS OTHERWISE SPECIFIED TOLERANCE
 ON 2 PLACE DECIMALS IS ±.02
 ON 3 PLACE DECIMALS IS ±.002
 ON ALL ANGLES IS ±.5 OF A DEGREE
 MATERIAL TOLERANCE ("V") TO AGREE WITH PUBLISHED STANDARDS.

THE LINCOLN ELECTRIC CO.
 CLEVELAND, OHIO U.S.A.
 DATE 4-10-78 SCALE

12-21-78M	
1-12-79J	
7-13-79D	
2-18-80K	
5-8-81D	

TYPE R3S-800
 SUBJECT SCHEMATIC DIAGRAM
 SUPD DRG. (M-13095) DR. GWR CHK. SHEET NO. M-13755