

LEGEND

- C1 200 MFD. C5 -.022 MFD
- C2 .47 MFD. C6 -.022 MFD
- C3 .47 MFD.
- C4 5 MFD. D6 3 AMP
- D1 16 AMP. D7 1 AMP
- D2 16 AMP. D8 1 AMP
- D3 THYRECTOR DIODE
- D4 1 AMP.
- D5 1 AMP.
- F1 4 AMP.
- F2 10 AMP.
- R1 3 Ω

R16 - 10 K Ω

R4 27 K Ω

R6 100 Ω

R7 50 Ω

R8 3.9 K Ω

R9 3.0 K Ω

R10 10 K Ω

R11 1.5 K Ω

R12 10 K Ω POT

R13 3.0 Ω 25 W.

R14 4.8 Ω, 10 W.

SW1 VOLTAGE CONTROL SWITCH

SW2 POWER ON-OFF SWITCH

SW3 CONTROL CIRCUIT SWITCH

T1 MAIN TRANSFORMER

T2 AUX. TRANSFORMER

MA₁ }
 MA₂ } MAG-AMP TRANSFORMERS
 MA₃ }

ICR INPUT CONTACTOR - S-67

2CR PILOT RELAY

RECT 2 AUXILLARY POWER RECT.

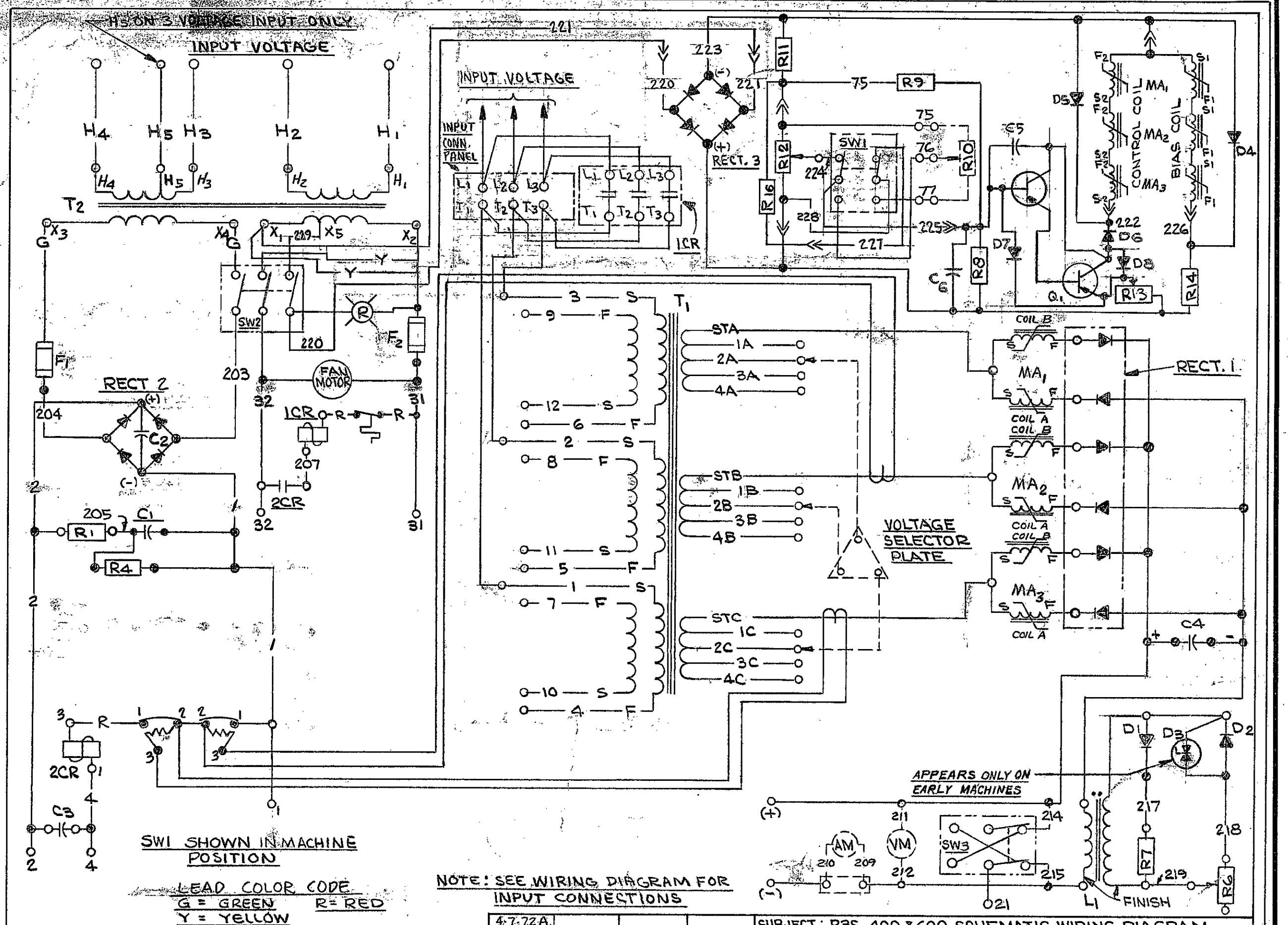
RECT 1 MAIN POWER RECT.

RECT 3 CONTROL CIRCUIT RECT.

Q1 2N1540

Q2 2N4125

L1 CHOKE



SW1 SHOWN IN MACHINE POSITION

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

NOTE: SEE WIRING DIAGRAM FOR INPUT CONNECTIONS

A.N.S.I. ELECTRICAL SYMBOLS PER E-1537

4-7-72A	
7-14-72D	
2-23-73	
11-30-73D	

SUBJECT: R3S-400 & 600 SCHEMATIC WIRING DIAGRAM
 THE LINCOLN ELECTRIC CO.
 CLEVELAND, OHIO U.S.A. M-12472

THE LINCOLN ELECTRIC CO.
 CLEVELAND, OHIO U.S.A.

DATE 2-14-72 SCALE

CR'ge Sht. No.

TYPE R3S-400 & 600
 SUBJECT SCHEMATIC DIAGRAM

SUP'D DRG. NO. 11768 DR JSS APP. SHEET NO. M-12472