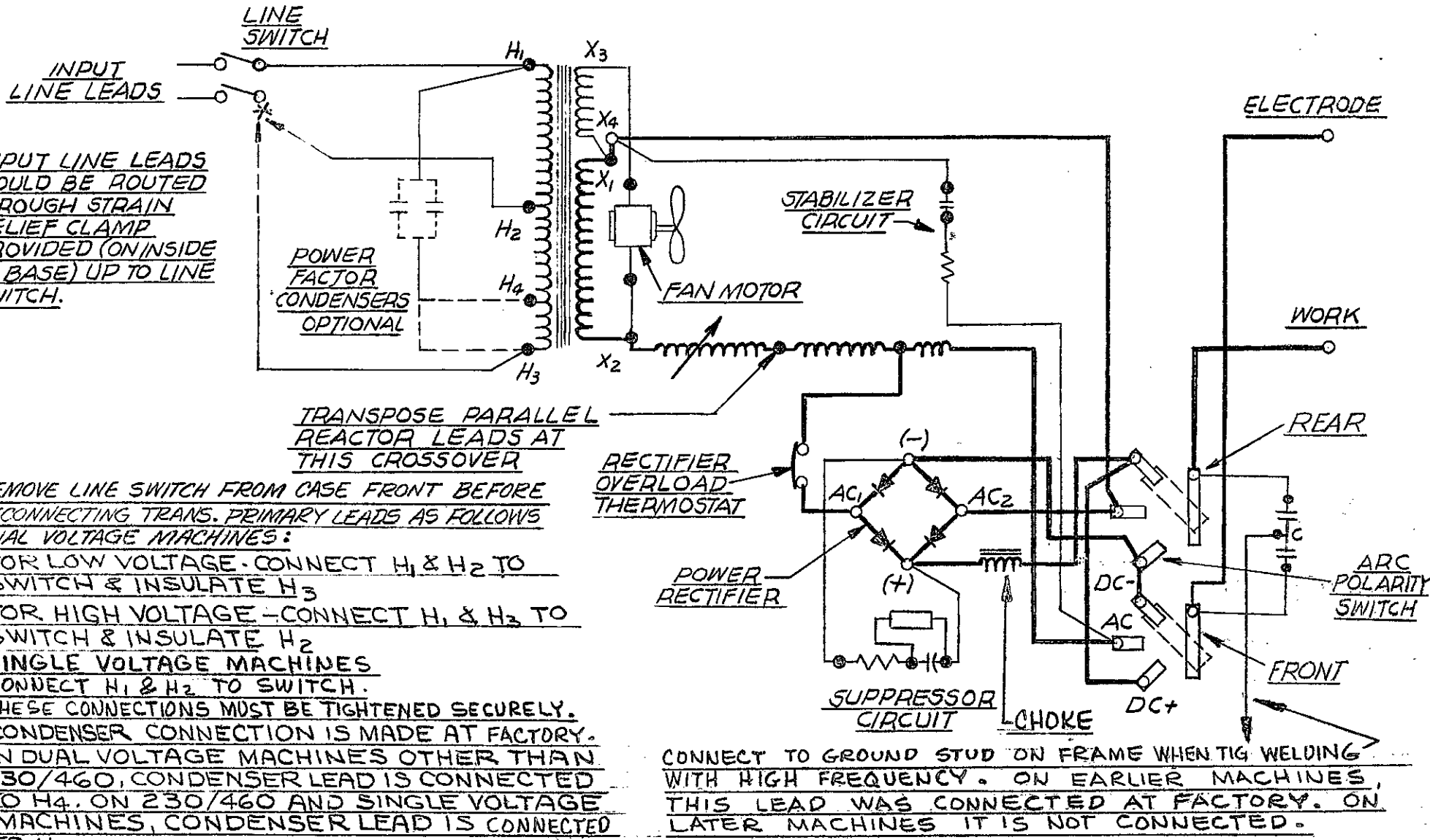


92921-S

AUSTRALIA 5-67 CANADA 4-63 FRANCE 2-70



INPUT LINE LEADS SHOULD BE ROUTED THROUGH STRAIN RELIEF CLAMP PROVIDED (ON INSIDE OF BASE) UP TO LINE SWITCH.

POWER FACTOR CONDENSERS OPTIONAL

TRANSPOSE PARALLEL REACTOR LEADS AT THIS CROSSOVER

* REMOVE LINE SWITCH FROM CASE FRONT BEFORE RECONNECTING TRANS. PRIMARY LEADS AS FOLLOWS DUAL VOLTAGE MACHINES:

FOR LOW VOLTAGE - CONNECT H₁ & H₂ TO SWITCH & INSULATE H₃
FOR HIGH VOLTAGE - CONNECT H₁ & H₃ TO SWITCH & INSULATE H₂

SINGLE VOLTAGE MACHINES
CONNECT H₁ & H₂ TO SWITCH.
THESE CONNECTIONS MUST BE TIGHTENED SECURELY.
CONDENSER CONNECTION IS MADE AT FACTORY.
ON DUAL VOLTAGE MACHINES OTHER THAN 230/460, CONDENSER LEAD IS CONNECTED TO H₄. ON 230/460 AND SINGLE VOLTAGE MACHINES, CONDENSER LEAD IS CONNECTED TO H₃.

RECTIFIER OVERLOAD THERMOSTAT

POWER RECTIFIER

SUPPRESSOR CIRCUIT

CHOKE

CONNECT TO GROUND STUD ON FRAME WHEN TIG WELDING WITH HIGH FREQUENCY. ON EARLIER MACHINES, THIS LEAD WAS CONNECTED AT FACTORY. ON LATER MACHINES IT IS NOT CONNECTED.

NOTE—LIMIT OF ± 1/2° ON ALL ANGLES UNLESS OTHERWISE SPECIFIED.
 LIMIT OF ± 1/64 ON ALL FRACTIONAL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 LIMIT OF ± .002 ON ALL DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED.

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

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

DATE 3-12-63 SCALE 1"

3-22-63	9.15.72			
3-29-63 E				
1-22-64 D				
4-17-64 H				
6-5-64				
2-16-68 P				
1-30-70 P				

TYPE 250 AMP 30" IDEAL ARC (AC-DC)
 SUBJECT SCHEMATIC WIRING DIAG. SINGLE AND DUAL VOLTAGE
 SUP'S'D'G' DRG. (5-12091) DR. RJM CHK. CAS. SHEET NO. S-12626