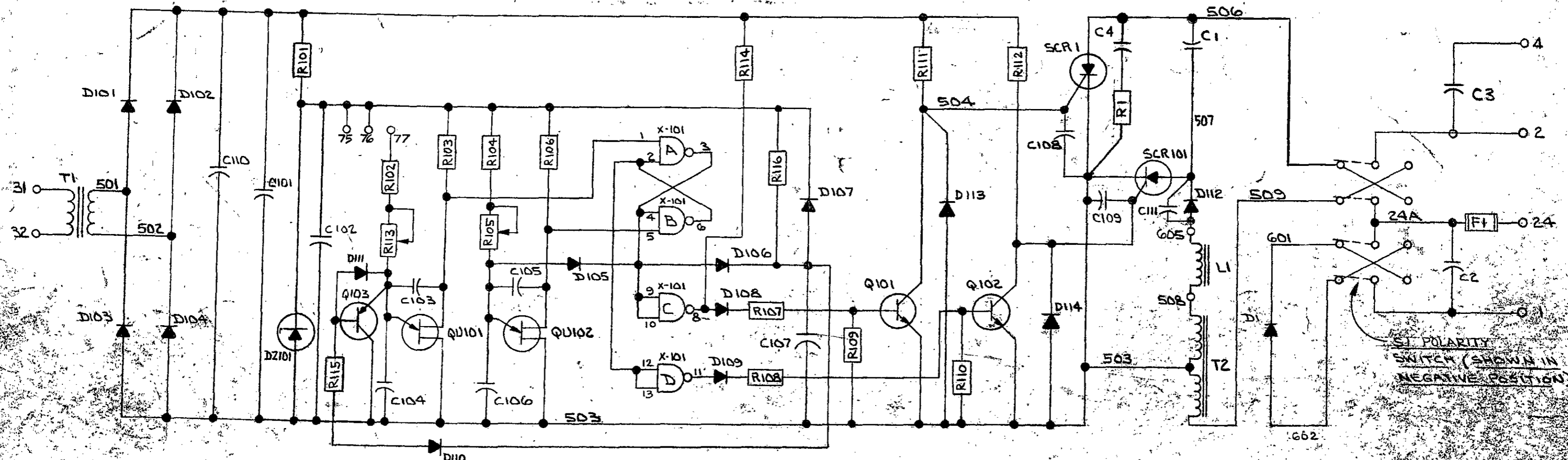


NOTE: SINCE COMPONENTS OR CIRCUITRY ON A PRINTED CIRCUIT BOARD MAY CHANGE WITHOUT AFFECTING THE INTERCHANGEABILITY OF A COMPLETE BOARD, THIS DIAGRAM MAY NOT SHOW THE EXACT COMPONENTS OR CIRCUITRY OF CONTROLS HAVING A COMMON CODE NUMBER.



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

COMPONENTS ON CONTROL P.C. BOARD

- | | | | |
|---------------|-------------------|-----------|-------------|
| C101 50 MFD | R101 680Ω 2W | D101 1A. | Q101 2N5655 |
| C102 50 MFD | R102 3.3 KΩ | D102 1A. | Q102 2N5655 |
| C103 .01 MFD | R103 1KΩ | D103 1A. | Q103 2N4125 |
| C104 1.8 MFD | R104 22 KΩ | D104 1A. | Q101 UJT |
| C105 .01 MFD | R105 50KΩ TRIMMER | D105 1A. | Q102 UJT |
| C106 .22 MFD | R106 1KΩ | D106 1A. | DZ 101 16V |
| C107 18 MFD | R107 1KΩ | D107 1A. | |
| C108 .047 MFD | R108 1KΩ | D108 1A. | |
| C109 .047 MFD | R109 47 KΩ | D109 1A. | |
| C110 50 MFD | R110 47 KΩ | D110 1A. | |
| C111 .02 MFD | R111 470Ω 5W | D111 1A. | |
| | R112 560Ω 5W | D112 16A. | |
| | R113 10KΩ TRIMMER | D113 1A. | |
| | R114 10KΩ | D114 1A. | |
| | R115 68KΩ | | |
| | R116 470KΩ | | |

COMPONENTS NOT ON P.C. BOARD

- | | |
|-------------|----------------------------|
| C1 15 MFD | SCR1 25A 600V |
| C2 2 MFD | S1 4-PDT CENTER OFF SWITCH |
| C3 .47 MFD | T1 24V TRANSFORMER |
| C4 .022 MFD | TZ AUTOTRANSFORMER |
| R1 10Ω | L1 CHOK |
| | F1 15A FUSE |
| DI 37 AMP | |

N.A. X101 PIN 7 CONNECTED TO 503
PIN 14 CONNECTED TO 76

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 (M) TO AGREE WITH PUBLISHED STANDARDS

THE LINCOLN ELECTRIC CO.
CLEVELAND, OHIO U.S.A.
DATE 2-25-76

3-5-76C			

SOLID STATE REMOTE FIELD CONTROL
OPERATING SCHEMATIC
SUP'S DRC M-12789 DR CHK M-13303