



NOTE: AUTOTRANSFORMER WINDINGS -
 N1 - 200 TURNS NO.32 AWG
 N2 - 6 TURNS NO.32 AWG
 N3 - 8 TURNS NO.20 AWG
 (WOUND ON ARNOLD A930157-2 CORE)

S - START OF WINDING
 F - FINISH OF WINDING

Parts List

C1 - 1-mfd, 50-V paper capacitor
 C2 - 0.1-mfd, 50-V paper capacitor

C3, C4, C5 - 0.005-mfd, 1000-V disc-ceramic capacitors (delete C5 for single lamp)

Q1 - ETRS-4945 transistor*

R1 - GE No. 47 bulb

R2 - 470-ohm, 1/2-watt resistor

L1, L2 - GE F8T5-CW fluorescent lamps

S1 - SPST toggle switch

S2 - DPST momentary push button switch (if only one lamp is needed, a SPST push button is used)

T1 - Autotransformer - core available from GE*, ETRS-4891.

See text for winding details.

Minibox - 12" x 2-1/2" x 2-1/4" (Bud CU-2114-A), or equivalent

Pin Sockets - GE ALF141-33, or equivalent

*Available from General Electric Co., Dept. B, 3800 N. Milwaukee Ave., Chicago, Ill. 60641

Fig. 24-16. Parts list and schematic diagram for the battery-operated fluorescent lamp. (GE).