

MODIFICATION INSTRUCTIONS

RADIOLOGICAL DOSIMETER CHARGER OCDM ITEM No. CD V-750, Model 5b

1. After an extended period of storage, the dosimeter actuated switch (SW 1) has been found to be erratic. This causes the dosimeter to read up-scale when removed from the charger after it had been set to zero.
2. The up-scale "kick" observed in the dosimeter is caused by the switch (SW 1) in the charger failing to maintain contact and hold the charging voltage up until the dosimeter is completely removed.
3. This condition is corrected by adding a .035uf capacitor (C3) to the charger to store the charge and hold the voltage up until the dosimeter is completely removed.
4. The capacitor is connected as shown in Figure 1. The corrected schematic is shown in Figure 2. It can be seen that the capacitor is connected directly across the charging electrode.
5. To install the capacitor (C 3), the following steps are required:
 - (a) The capacitor has a lug attached to one wire. Loosen Screw A one full turn, but don't remove the screw. Slip the lug under the screw and tighten.
 - (b) Loop the other wire around Terminal B, solder and clip off the excess wire.
 - (c) Dress the capacitor C 3 tight against the board so that it will not touch the case or any sharp pointed wires or terminals on the board.
6. Check the control potentiometer. If it does not rotate freely, the 'O' ring may need lubrication. If this is the case, remove the knob and press on the shaft to deflect the circuit board about $\frac{1}{16}$ " to loosen the 'O' ring. Now place a small amount of the 'O Lube' down around the shaft and replace the knob.
7. Insert one of these sheets in each instruction booklet.

SWITCH MODIFICATION PERFORMED

Date:

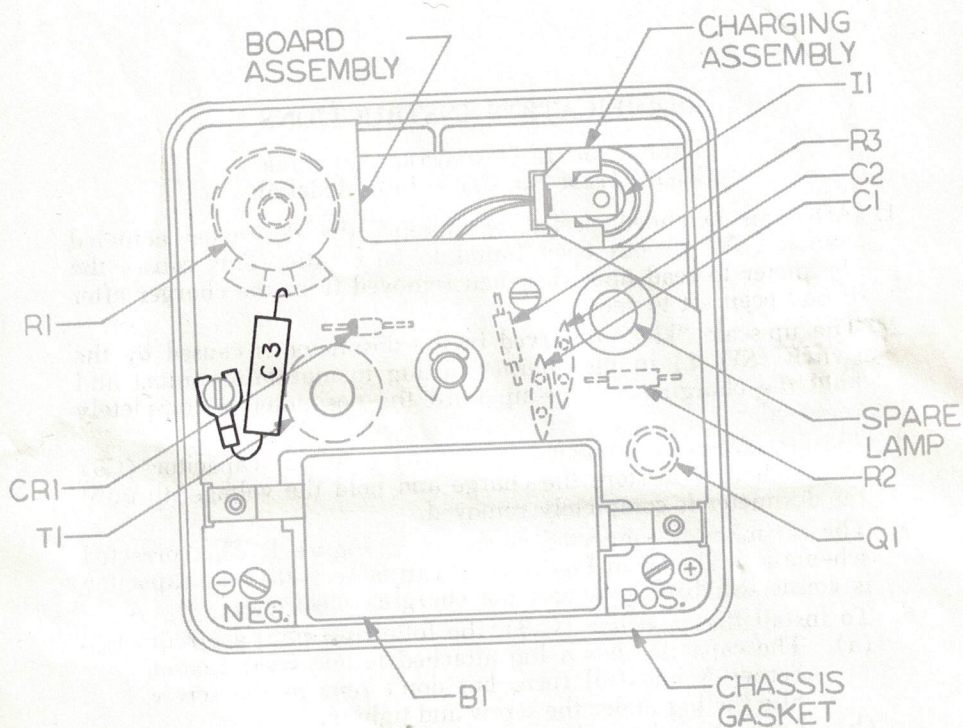


Figure 1.

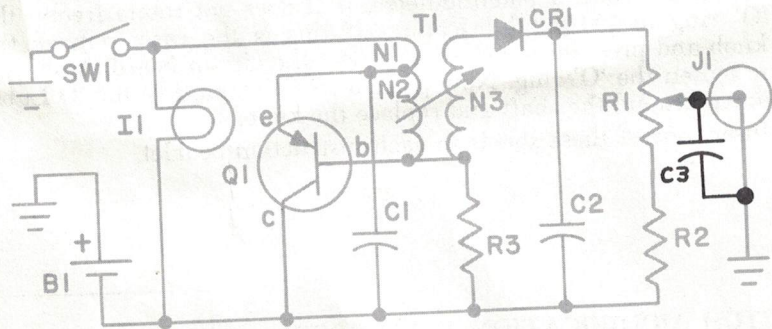


Figure 2.