



# SERVICE SLANTS

YOUR QUESTIONS OR COMMENTS ON "SERVICE SLANTS" ARE WELCOME AT ANY TIME

ISSUED BY WURLITZER SERVICE DEPT., NORTH TONAWANDA, N. Y.

SUBJECT: BURNING OF FULL CYCLE SWITCH, MODEL 3020 WALL BOX

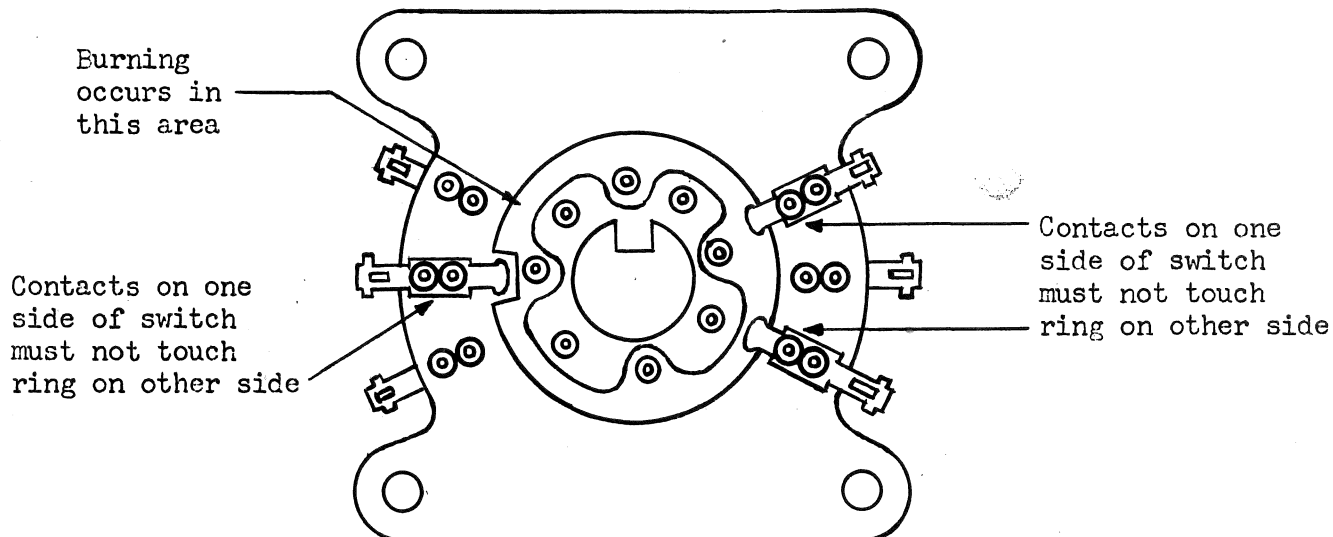
When the full cycle switch portion of Part No. 46084 Contact Plate and Cable Assembly shows signs of burning due to excessive arcing, the condition can usually be traced to one of two causes:

1. Loose or dirty contacts in switch assembly. Remedy: remove dirt and grease from wiper contacts and "ring" with carbon tet and a soft cloth. Check tightness of wiper contacts on "ring". If burned excessively, replace switch.

NOTE: Any adjustment of the full cycle switch contacts or the relay release switch contacts should be made with the greatest of care. Should these contacts be misplaced so that the contacts of one circuit can connect to the "ring" of the other circuit on the opposite side of the switch assembly, damage to the switch will result.

2. Excessive current drain in motor. Connect an AC ammeter (RMS scale) in series with the wall box motor by unsoldering one of the motor leads and inserting the meter in the circuit. (Connecting the meter in the 115 volt supply lead, wireless, or in the 24 volt supply lead, three-wire, will usually give an erroneous reading.) A current drain of approximately 6/10 ampere or over is excessive, is usually caused by shorted turns in the motor winding, and calls for replacement of the motor. This measurement should be made at a line voltage of 115 volts.

In any wall box in which repeated burning of the full cycle switch is encountered the motor should be replaced as a matter of routine procedure.



PARTS NOTE (Model 3020 Wall Box)

Part No. 46084, Contact Plate and Cable Assembly, is obsolete and is no longer available. Orders for this part will be filled by substituting one Part No. 48741 Contact Plate and Cable Assembly (Full Cycle and Relay Release Switch and Cable) and one Part No. 48743 Contact Plate and Cable Assembly (Accumulator Contact Plate and Cable.)

Part No. 48741, Contact Plate and Cable Assembly, the Contact Plate only (Full Cycle and Relay Release Switch) is Part No. 45671.

Part No. 48743, Contact Plate and Cable Assembly, the Contact Plate only (Accumulator Contact Plate) is Part No. 45830.

Part No. 46085, Contact Plate and Cable Assembly, the Contact Plate only (Selector Contactor Plate) is Part No. 45833.