



SERVICE SLANTS

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

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

CORRECT OPERATION OF TIMING SWITCH, MODEL 1100 COIN REGISTER MECHANISM

Difficulty may be encountered in the Model 1100 Coin Register Mechanism when the cancel arm fails to return fully to its rest position upon completion of a cancel stroke. The cancel arm will sometimes stop in its return stroke before it has returned the timing switch to its normal rest position. The following conditions may occur as a result:

1. Failure to select at the phonograph: coin isolation relay will fail to close because relay disconnect contacts 5 & 6 on the timing switch will be held open.
2. Burning or opening of the coil in the coin counter, since counter contacts 1 & 2 on the timing switch will be held closed for indefinite periods.
3. Numerous selections will be played when one selection is made at a wall box operated through a Model 219 Stepper: that is, if selection number 10 is made at a wall box, all selections from 1 through 10 will play at the phonograph; if selection number 24 is made at a wall box, all selections from 1 through 24 will play at the phonograph, etc. If the timing switch is not returned to its normal rest position after a cancel stroke, its contacts 1 & 2 will remain closed, and the counter circuit remains completed: the counter circuit in turn is wired to the same circuit as the stepper contact arm, which results in completing the circuit to each stepper contact and thence to each coil in the selector drum, when the stepper arm is advanced during selection from a wall box.

When the above condition is encountered, the adjustment of the timing switch should be carefully checked as described on page 48 of the Model 1100 Service Handbook. If correctly adjusted, there will not be excessive pressure of the timing switch or its contacts to prevent full retraction of the cancel arm.

The full return of the cancel arm may be critical when the last credit is canceled from the accumulator, because of the increased tension imposed by the opening of the key switch. In such cases, the adjustment of the key switch should also be carefully checked as described on page 48 of the Model 1100 Service Handbook.

The cancel mechanism should be checked for binding, especially at the point where the cancel arm strikes the timing switch. Lubriplate applied at this point as shown in figure 56, page 54, of the Model 1100 Service Handbook, will prevent recurrence of binding at this point after it has been corrected.

After all the above points have been checked, it may be necessary to increase the tension of the cancel arm spring (#50025) by removing one or two turns from the spring, to insure that the cancel arm will retract fully after each stroke. Care should be used, as excessive spring tension may result in failure of operation under conditions of low line voltage.