

SEQUENCE OF OPERATION

261B - 200 SELECTION STEPPER

- A. The following stepper circuits are activated in sequence when making the A-1 selection from 200 Selection Wall Box.
1. Pulse Relay Energized.
    - a. Number timing relay energized.
    - b. Latch relay energized.
    - c. Letter step magnet energized.
      - (1). Letter step arm now stepped to first contact.
  2. Pulse Relay Released.
    - a. Letter step magnet released.
    - b. Latch relay and number timing relay ground circuits opened, but relays are held closed momentarily by capacitors.
  3. Pulse Relay Energized.
    - a. Latch relay capacitor recharged.
    - b. Number timing relay capacitor recharged.
    - c. Letter step magnet energized.
      - (1). Letter step arm now stepped to letter A contact.
  4. Pulse Relay Released.
    - a. Letter step magnet released.
    - b. Number timing relay released.
      - (1). Long contact arm on cancel cam has now completed run over letter contact strips. The time for long arm to travel around from letter contact strips to number contact strips sufficient in length for number timing relay capacitor to discharge completely, and thus releasing the number timing relay. The latch relay, because of its larger capacitor, remains closed until number contact strips are reached by the long contact arm.
  5. Transfer Relay Now Energized.
    - a. Circuit now completed to counter. One count is put on meter.

6. Pulse Relay Energized.
    - a. Latch relay capacitor recharged.
    - b. Number timing relay energized.
    - c. Number step magnet energized.
      - (1). Number step arm now stepped to number 1 contact.
  7. Pulse Relay Released.
    - a. Number step magnet released.
    - b. Number timing relay released.
    - c. Latch relay ground circuit open, but latch relay held closed by capacitor.
  8. Circuit Now Completed to #1 Coil.
    - a. Relay 2 energized.
      - (1). Ground circuit back to latch relay now complete, latch relay is interlocked.
  9. Selection Motor Now Energized.
    - a. Reverse switch closed.
    - b. Start switch closed.
  10. Relay 3 Now Energized.
    - a. Circuit to letter A coil completed.
    - b. Circuit of D.C. power to transfer relay now opened, but relay held closed momentarily by capacitor.
  11. Relay 2 Now Released.
  12. Relay 3 Now Released.
  13. Latch Relay Now Released.
    - a. Transfer relay now released.
- B. When Wall Boxes are equipped with speakers, Ry-104 in the Wall Box will be controlled by the following circuits:
1. Ry-104 is Provided Gound in 3 Ways.
    - a. At Wall Box by cam switch.

- b. Through interlock circuit at stepper.
  - c. Through audio control relay.
2. When the last pin in electric selector has been cancelled, the override switches are opened thus opening the ground circuit to the stepper audio control relay.
  3. When the last record has finished playing and is being returned to the record carrier, the main cam, as it is turning, uses the transfer switch actuating lobe to open the normally closed speaker control switch thereby opening the remaining ground circuit to Ry-104.

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