

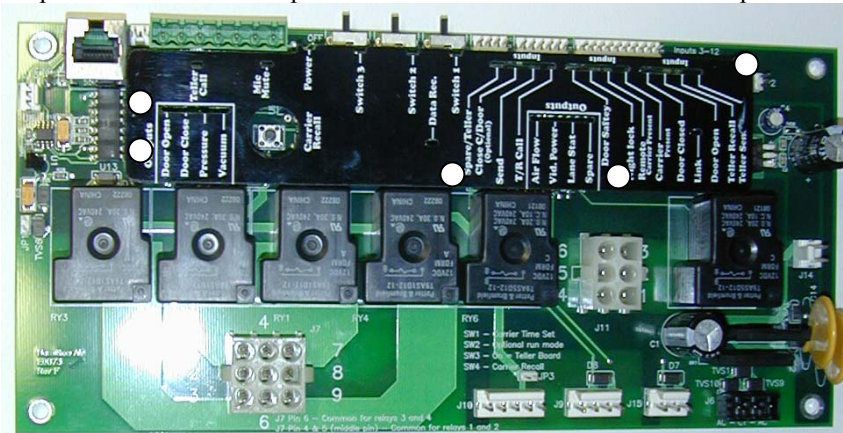
HAMILTON AIR®

3143 Production Drive • Fairfield, Ohio 45014 • 513-874-3733

Model **E0899-SP** Prom Chip for E0873 Control Board with Special Tube Purge Cycle Feature Installation Manual

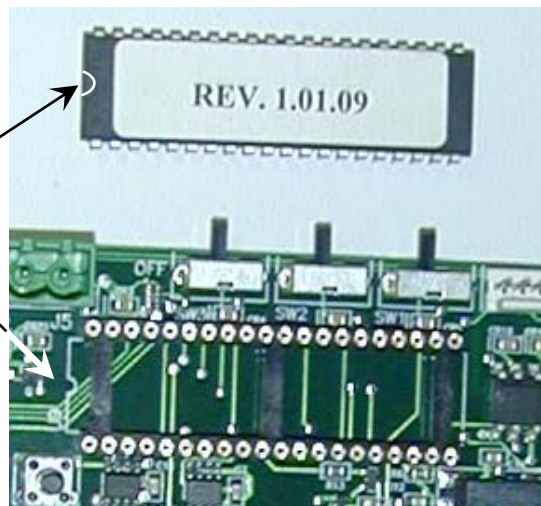
Replacing the Prom Chip

- 1) Turn power “OFF” to unit.
- 2) Remove the black plastic LED marker strip from the E0873 board. Pinch five white plastic standoffs to remove.



- 3) Using a chip puller, chip removal tool, or small prying device, pull the Prom chip straight from its socket attached to the circuit board. (Care must be taken when removing Prom Chips from the control board socket to prevent damage to the socket or control board. Damaging the socket or control board can cause the unit to fail or have unexpected behaviors.)

Note: Align marks on chip and board.



- 4) Inspect new Prom Chip to make sure all pins are straight and even. If any are bent, carefully straighten without damaging the pin or chip.
- 5) Install new Prom Chip. Make note of orientation of chip so marks align as shown. Inspect all pins on the new chip to make sure each is properly aligned with its appropriate socket.
- 6) Replace the black plastic LED marker strip over the E0873 board.
- 7) Turn “ON” power to unit.

HAMILTON AIR®

3143 Production Drive • Fairfield, Ohio 45014 • 513-874-3733

Model **E0899-SP**

Timing the unit with optional tube purge cycle

Notes:

- a. If unit is not programmed with the tube purge cycle, it will operate the same as prior to changing the Prom Chip.
- b. To operate unit without purge cycle, skip step #4 (*) when setting blower run times.
- c. Default blower run times do not include a purge cycle.

Blower Run Time Set

The “blower run time” is set using switch number one (SW1), which is located on the control board in the customer unit. The unit is shipped with a default time stored of about 3 seconds. This procedure will overwrite any existing times set in system. This time can be reset as often as necessary. **Power failure will NOT affect the times stored.**

To restore default blower run times:

- 1) Turn power “OFF” to unit.
- 2) Turn SW1 “ON”.
- 3) Turn power “ON” to unit.
- 4) Return SW1 to “OFF”.
- 5) Default blower run time is restored.

The blower run time can be set with both directions of carrier travel using the same time or in a three stage cycle. The three stage cycle includes individual times for the two directions of carrier travel along with a third time for the carrier to free fall in the clear acrylic tube after the blowers stop and before the customer door opens.

Setting procedure for blower run time. (Single time for both directions)

- 1) Restore default times as described above.
- 2) Before beginning, the carrier must be in customer unit with customer door open.
- 3) Turn SW1 to the “ON” position. (LED indicator will light)
- * 4) Push and hold the teller call button on the customer unit. While holding teller call, push and hold the customer send button for the desired amount of time the vacuum turbine will need to run to purge the tubes. The vacuum motor will run while setting this time. Releasing buttons stores the time for this cycle.
- 5) Push and hold either “Customer Send” or “Teller Recall” button until carrier arrives in the teller unit. Releasing button stores the time for this cycle.
- 6) Turn SW1 to the “OFF” position to store the cycle times for both directions and added purge cycle.

Setting procedure for blower run time. (Three stage cycle time)

- 1) Restore default times as described above.
- 2) Before beginning, the carrier must be in customer unit with customer door open.
- 3) Turn SW1 to the “ON” position. (LED indicator will light)
- * 4) Push and hold the teller call button on the customer unit. While holding teller call, push and hold the customer send button for the desired amount of time the vacuum turbine will need to run to purge the tubes. The vacuum motor will run while setting this time. Releasing buttons stores the time for this cycle.
- 5) Push and hold either “Customer Send” or “Teller Recall” button until carrier arrives in the teller unit. Releasing button stores the time for this cycle.
- 6) Push and hold either “Teller Send” or “Teller Call” button until carrier arrives in the clear acrylic tube on the customer unit or the desired amount of time for this cycle. Releasing the button stores the time held for this cycle. **(Turbines will shut off, customer door stays closed)**
- 7) When carrier lands in customer unit, press and release “Teller Call” button to open the door. This stores a third time for carrier free fall time in the clear acrylic tubing.
- 8) Turn SW1 to the “OFF” position to store the cycle times for both directions and added purge cycle.