

HAMILTON AIR®

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

2006 Standard Overhead Manual Teller Unit

Model # 99-914

Standard teller unit supplied with HA1000, HA45, HA50, HT19, and ITR5 systems with overhead 4-1/2" diameter tubing.

Identification:

The 2006 standard overhead manual teller unit is similar to previous Hamilton Air models and could possibly be similar to competitors units. You can verify this model by the indentifying differences noted below in figures #1 and #2.

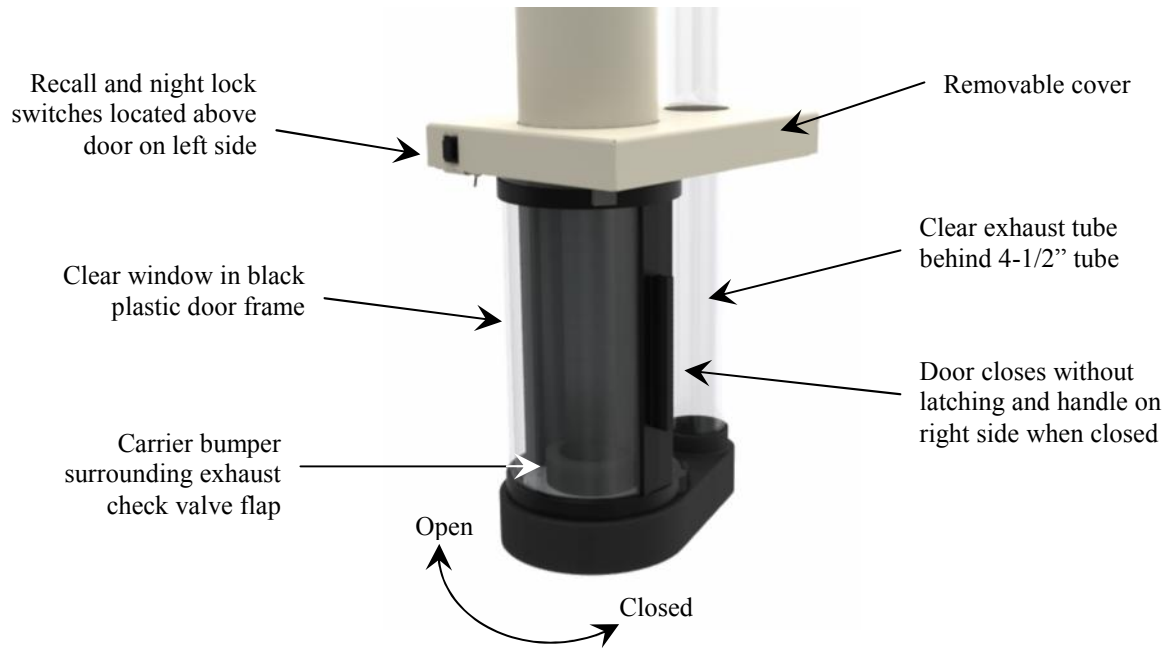


Figure #1

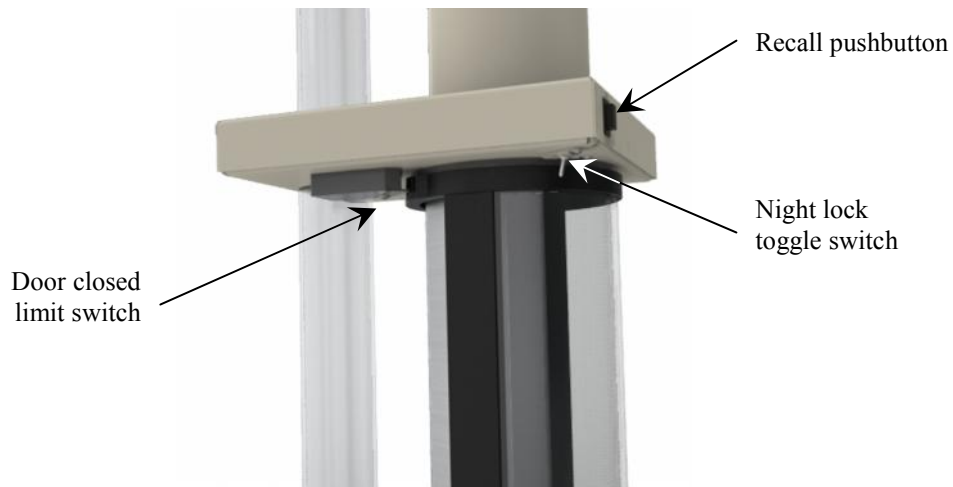


Figure #2

Wiring Details:

Figure #3 below shows manual teller connection board # E0882. This board is connected to the teller wire harness via labeled “J2”, shown on right side below. The teller wire harness assembly which includes the E0882 connection board shown in Figure #3 is part number E10034. The CAT5 interconnect cable from the I/O control board connects to the RJ45 connector shown on the left side below. Figure #4 below shows details of the CAT5 cable and RJ45 connectors.

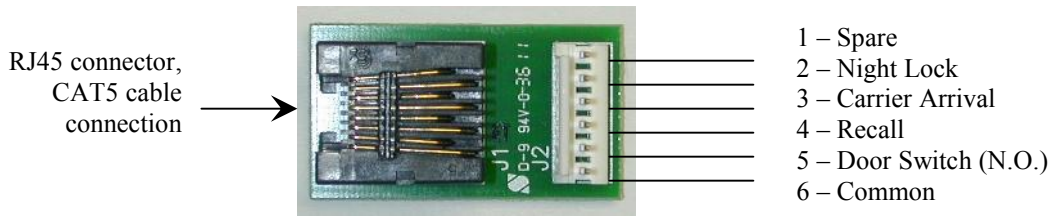


Figure #3

CAT5 Interconnect Cable Wiring:

The I/O system requires an interconnect cable to connect the manual teller unit to the I/O control board. This cable is a category 5 (CAT5) cable with male RJ-45 connector plugs on both ends. The connector plugs should be wired in the straight through design on both ends of the cable as shown in Figure #4. Hamilton has a CAT5 cable tester, E10059, that can be used to verify correct connector installation and function.

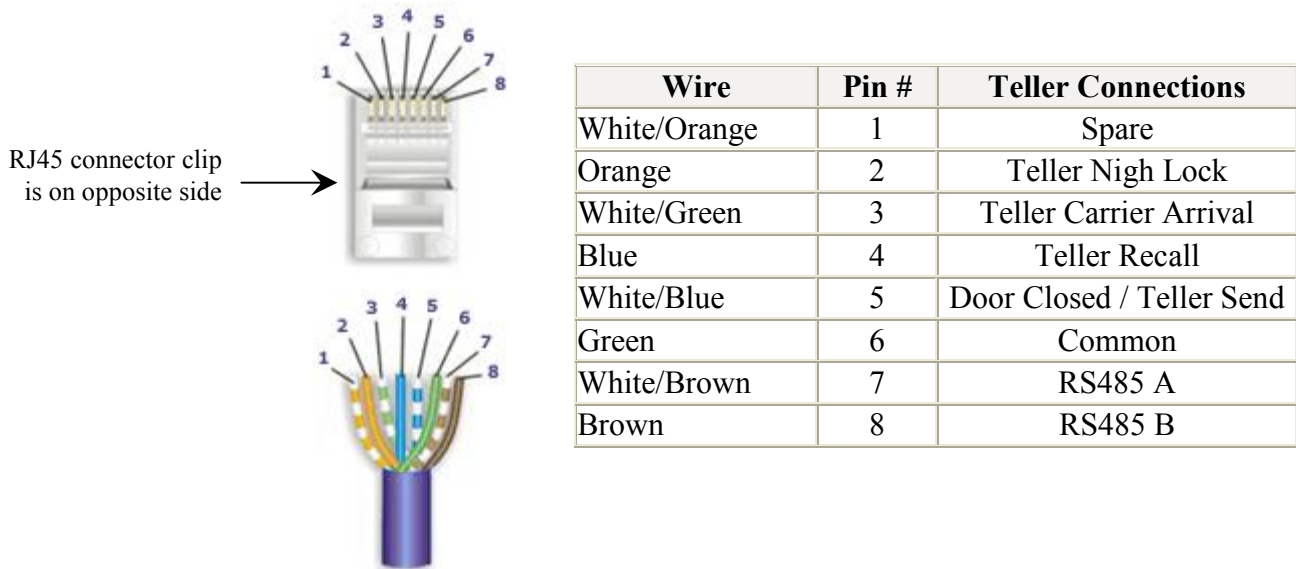


Figure #4

Wire Harness Details:

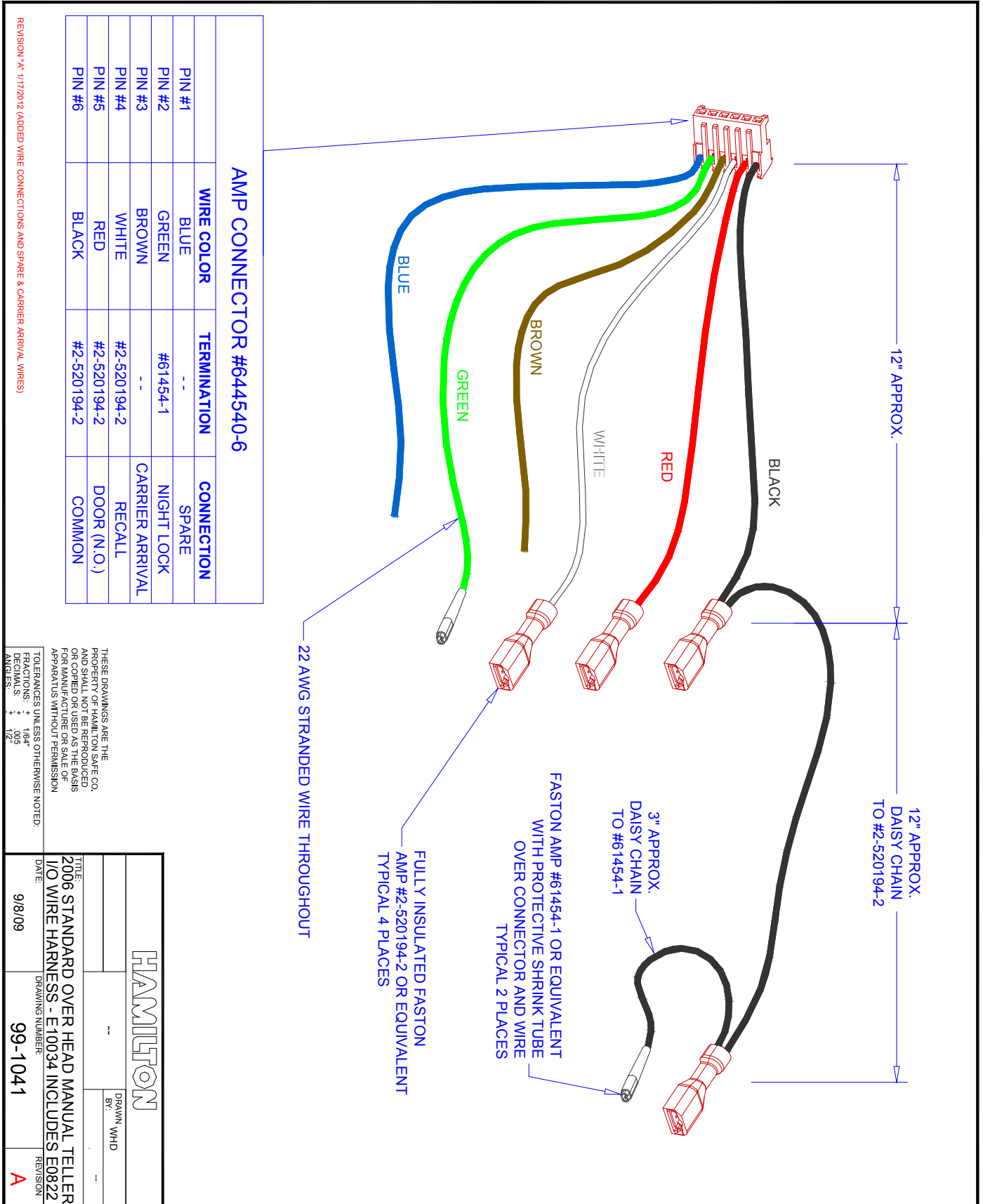


Figure #5

Door Switch Adjustment:

Figures #6 and #7 below show a properly adjusted door closed limit switch activated by the manual teller door. The door is shown completely closed and you can see how the roller of the limit switch sets in the small indentation on the teller door.

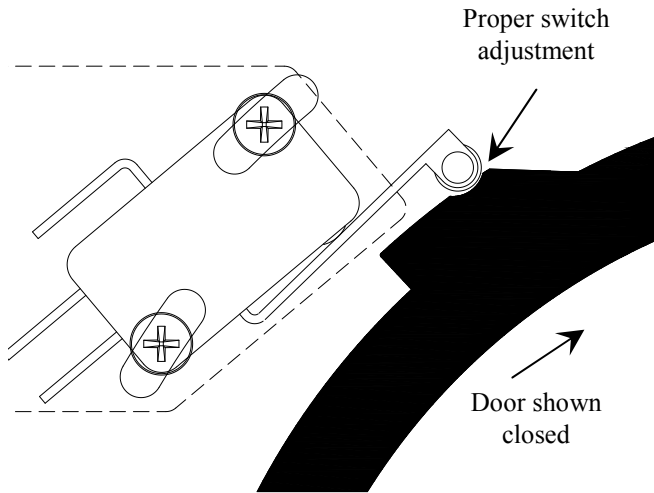


Figure #6

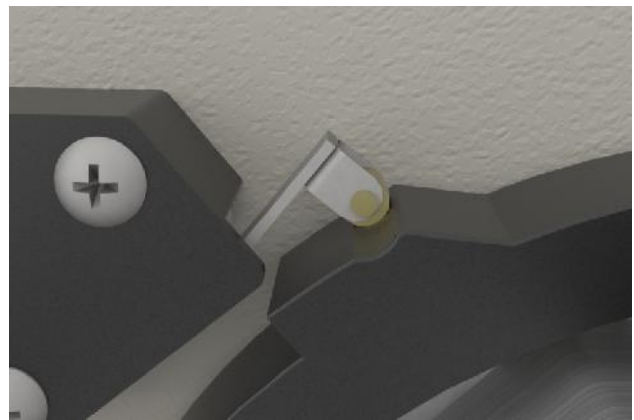


Figure #7

Figures #8 and #9 below show a door closed limit switch activated by the manual teller door, but the roller is still setting on the leading ramp edge of the door. The door is shown completely closed but the roller of the limit switch does not reach the small indentation on the teller door. This can cause the switch to intermittently deactivate when the teller door moves or vibrates from the air pressure in the tube system. This switch should be adjusted so the roller of the limit switch sets in the small indentation on the teller door. Adjust the switch by loosening the two Phillips screws mounting the switch and rotating it around the teller door to the correct location.

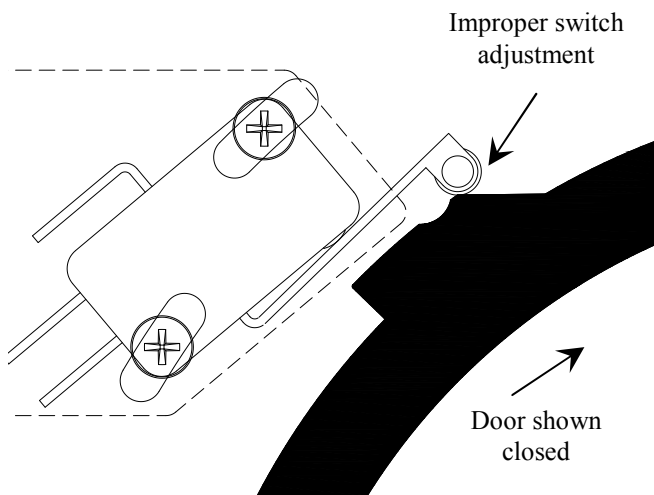


Figure #8

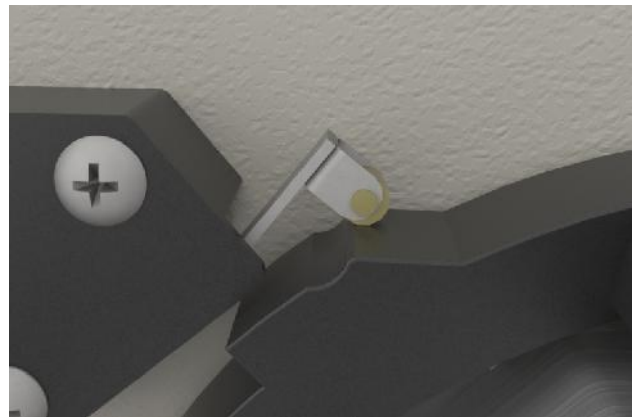


Figure #9

The manual teller door has freedom to move in and out when the door is completely closed. If you watch the door closely when the system is running, you will see the air pressure moving the door in and out. When setting the door switch, check to make sure when the door moves like this that the door switch is not deactivated or very close to being deactivated.

Lower Section:

The complete lower door section can be removed for service or replacement very quickly and easily. Figure #10 below shows how to access the fasteners and remove the lower door section from the main teller tube assembly. This lower section includes the complete door assembly, seals the door pivots on, vertical door seals, carrier bumper pad, air check valve flap, and lower air chamber. Replacing this section can make the teller unit operate just like new again very quick and easily.

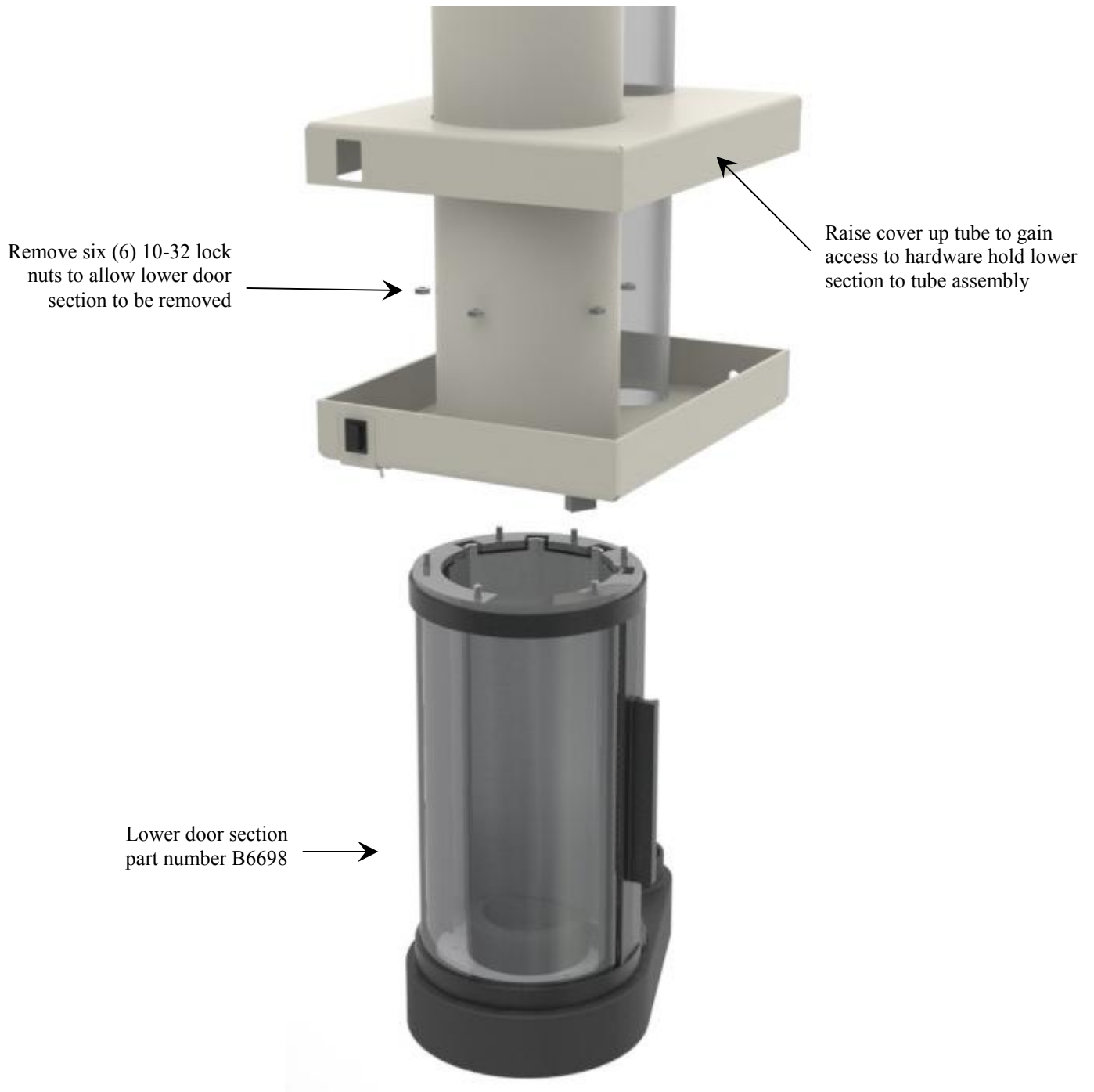


Figure #10