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Changing refrigeration decks in can drink vending machines

Basic instructions on how to change defective refrigeration deck in a can vending machines. A defective deck is very easy to remove and can usually be done in less than 20 minutes.

- (1) Unplug the vending machine from electrical power.
- (2) Unplug the defective refrigeration deck for the power box. The power box is usually black plastic and located in the left corner of the vending machine. As you look from the inside of the machine this box is just below the can chute and area mounted to the inside of the cabinet right below the lower pan in the can area.
- (3) Unbolt the lower part of the refrigeration deck. There is usually one larger bolt on the front or the right side of the refrigeration deck on the very bottom of the machine. Remove that bolt with a wrench or socket.
- (4) Remove the cover plate that covers the tubing from the lower unit to the upper unit. You will see the tubing coming up from the compressor unit on the right side of the machine. This aluminum cover usually has two Phillips head screws holding it in place.
- (5) Remove the 'can chute' for easy access to the evaporator compartment. The can chute is located in the large open area below where the cans load. There is usually one screw holding in the can chute in the center near the lower front of the can chute. Once the screw has been removed the can chute should pull forward and you can set it aside.
- (6) Your machine has been 'pre adjusted' by our staff for 40 degree Fahrenheit (at sea level) operation. This is called the food zone. Should you need to make your drinks colder or warmer you can do so by adjusting the thermostat. Be careful when making drinks too cold as 'diet drinks' freeze at a higher temperature than regular drinks. Should the 'diet drinks' freeze they will jam in the vend mechanism and the machine will be out of order. Adjustment procedures later in this booklet.
- (7) Look near the back of the cabinet after the can chute has been removed. The evaporator unit should have two screws on each side of it. The screws are located on metal plates that extend on each side of the evaporator unit to the right and the left. Once you remove those four screws the unit is ready to remove.
- (8) The refrigeration has two pieces which are hooked together with the tubing. Carefully slide out the unit from the bottom of the machine. The evaporator unit will slide out along with the bottom deck. Remove defective unit from the machine completely.
- (9) Once old unit has been removed carefully slide the replacement unit back into the machine. Be careful when installing not to 'kink' the copper tubing that holds the refrigerant.
- (10) Once replacement unit has been installed reattach the screw to the evaporator and the deck itself. Reinstall the can chute, secure the can chute mounting screw. Plug in the replacement unit into the black electrical box and you are ready to run the machine.