



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB08-0005

July 7, 2008

Page 1 of 2

Subject: KMS REFRIGERANT RECOVERY

In order to completely recover all refrigerant from the KMS/Serenity line of ice makers it is necessary to open both hot gas valves and both liquid line valves. This will allow the recovery and evacuation to be performed more thoroughly from both sides of the system.

Energize solenoids to assure full recovery:

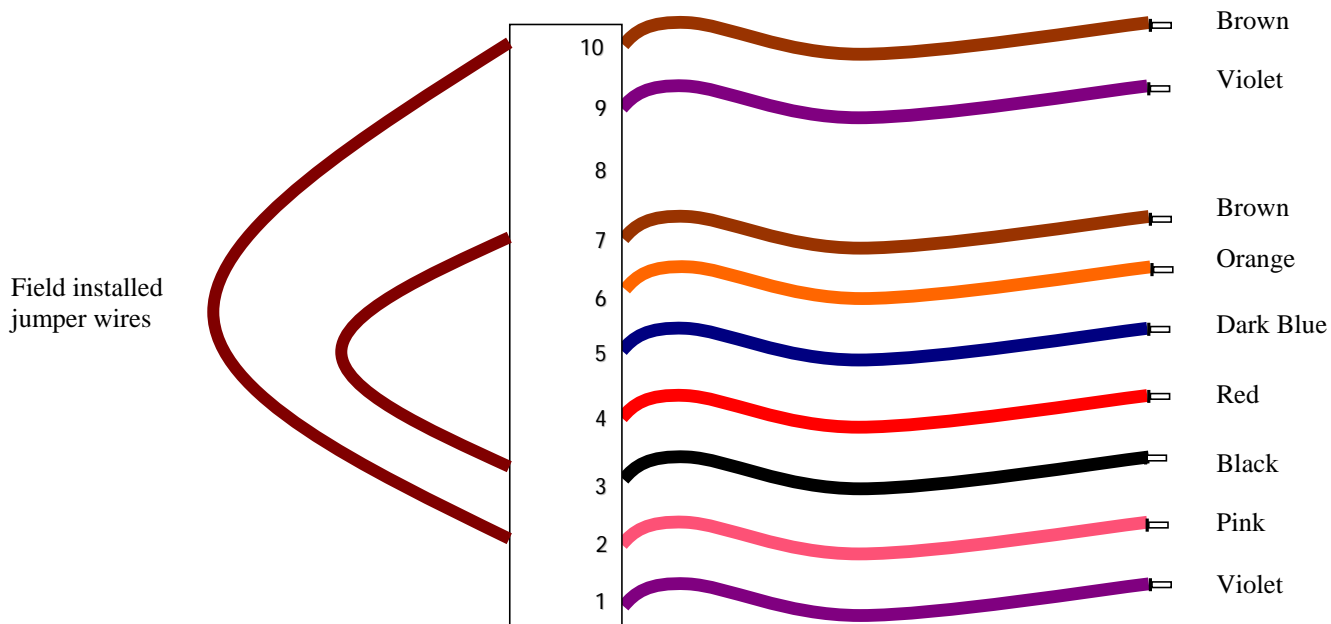
The outline below details a simple way to energize the valves without supplying separate power to each valve.

Items needed:

Qty.(2) 6" 18AWG jumper wires (Solid wire is preferred however stranded is acceptable).

Procedure:

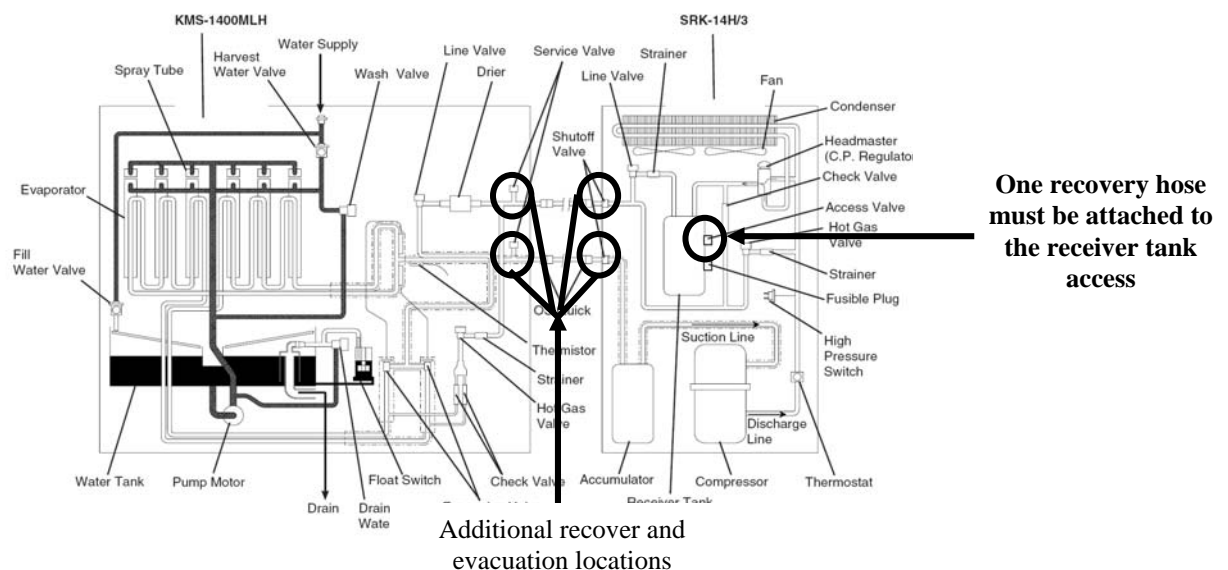
1. Turn the toggle switch and the circuit breaker to the off position. Remember that power is supplied to the KMS by the SRK remote condenser. Confirm that all power has been interrupted.
2. Unplug the K-1 (10 Pin) connector from the circuit board located in the KMS unit..
3. Install one of the 18AWG jumpers between pin 3 (Black wire) and 7 (Brown wire) on the K-1 (10 Pin) connector.
4. Install the second 18AWG jumper between pin 2 (Pink wire) and 10 (Brown wire) on the K-1 (10 Pin) connector.



5. Insure that the wires are connected to the correct terminals from above and no bare wire is making contact with any metal surface.
6. Turn the Circuit breaker on and leave the toggle switch off. Power should now be supplied to the coils on both HGV and LLV's. To confirm that the four coils are now energized you can test this by using a paper clip to assure magnetic pull.

Recovering Refrigerant:

1. Using proper refrigerant practices, recover the refrigerant and store it in an approved container and do not discharge the refrigerant into the atmosphere.
2. In order to speed recovery and insure that all refrigerant is removed install recover hoses to as many access points as possible. **However, one hose must be connected to the receiver tank access port. (See diagram below)**
3. When the recovery is complete, turn the circuit breaker off and make all necessary repairs.
Note: Remember leak check all solder joints and replace the drier anytime a repair is made to the refrigeration system.
4. Turn the circuit breaker back on and evacuate the system. Be aware; if a frost line or cold base is present on the receiver, liquid refrigerant may still be in the system. (For additional details on proper evacuation methods please refer to the KMS service manual. A copy of the service manual may be obtained at www.hoshizaki.com).
5. After evacuation is complete turn the circuit breaker back off.
6. Remove the 2 jumpers from the K-1 connector and reconnect it to the circuit board.
7. Turn circuit breaker on and weigh in the name plate charge. (For details on proper charging methods please refer to the KMS service manual. A copy of the service manual may be obtained at www.hoshizaki.com).
8. Return unit to normal operation when repair is complete.



If you have any questions concerning this issue please contact Hoshizaki Technical Support at 1-800-233-1940.