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Service Bulletin

Subject: RN400 Extreme Evaporator Cleaning

REMOVAL OF SCALE OR MINERALS IMPERVIOUS TO CHEMICAL CLEANERS

RN400 Extreme evaporator cleaning

Standard chemical cleaning procedures must be performed before performing this procedure. This procedure removes scale or mineral deposits that can not be removed with chemical cleaners.

⚠Warning

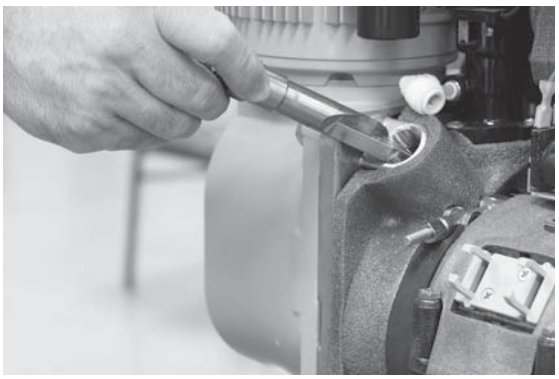
Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, local/national regulations for disconnection / lock out / tag out procedures for all utilities including electric, gas, water and steam.

⚠DANGER

Disconnect electric power to the ice machine at the electric switch box before proceeding. Failure to disconnect the power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.

DISASSEMBLING AND CLEANING THE EVAPORATOR

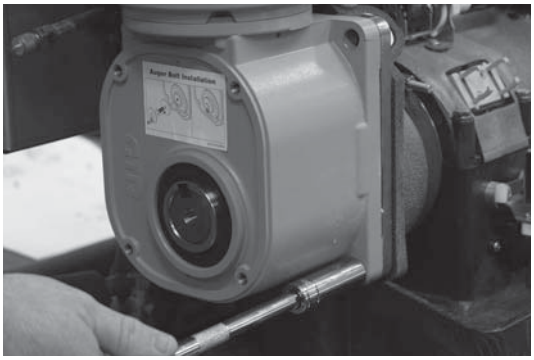
1. Remove the cutter from the cutter head.



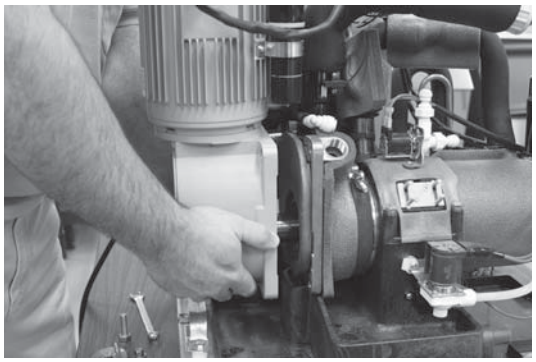
2. Remove the set bolt and auger bolt from the auger shaft



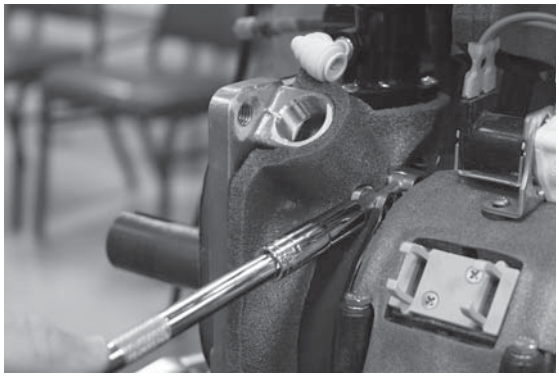
3. Remove the four bolts securing the gearmotor assembly to the evaporator.



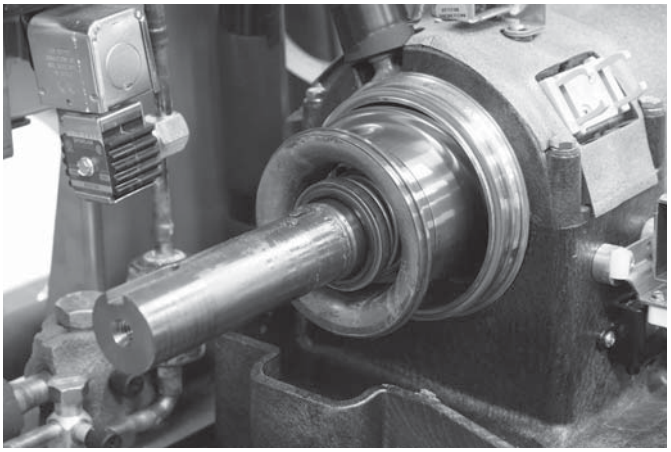
4. Remove the gearmotor assembly from the evaporator auger shaft



5. Remove the clamp securing the cutter head assembly to the evaporator and remove.



6. Slide the auger out of the evaporator.

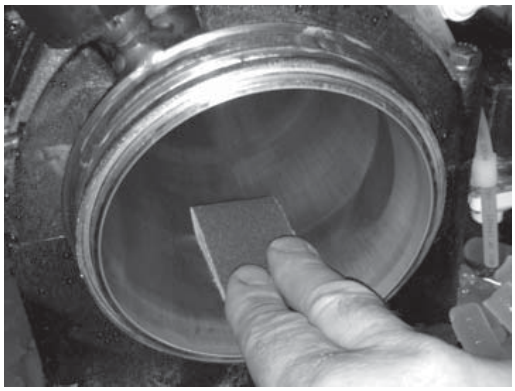


7. Dry and inspect the auger. Remove any lime scale with cleaner and a soft cloth.

⚠Caution

Do not use anything abrasive on the auger surface. Failure to heed this warning will cause irreversible damage to the auger's finish.

9. Thoroughly dry the inside of the evaporator barrel and let it warm to room temperature. The evaporator must be warm and dry before you will be able to observe the scale or mineral deposits. Confirm there is a white/gray haze inside the evaporator.



10. If scale or minerals are present, only use 120 grit sand cloth and an in-and-out motion. Sand off any scale or mineral deposits from inside the evaporator.

⚠Caution

Do not use a circular motion. Failure to follow the in-and-out motion will result in further machine errors.



11. When evaporator sanding is complete, thoroughly wipe out the inside of the barrel.
12. Reassemble the evaporator by reversing steps 1 through 5.
13. Reapply power, perform a sanitizing procedure and verify operation.