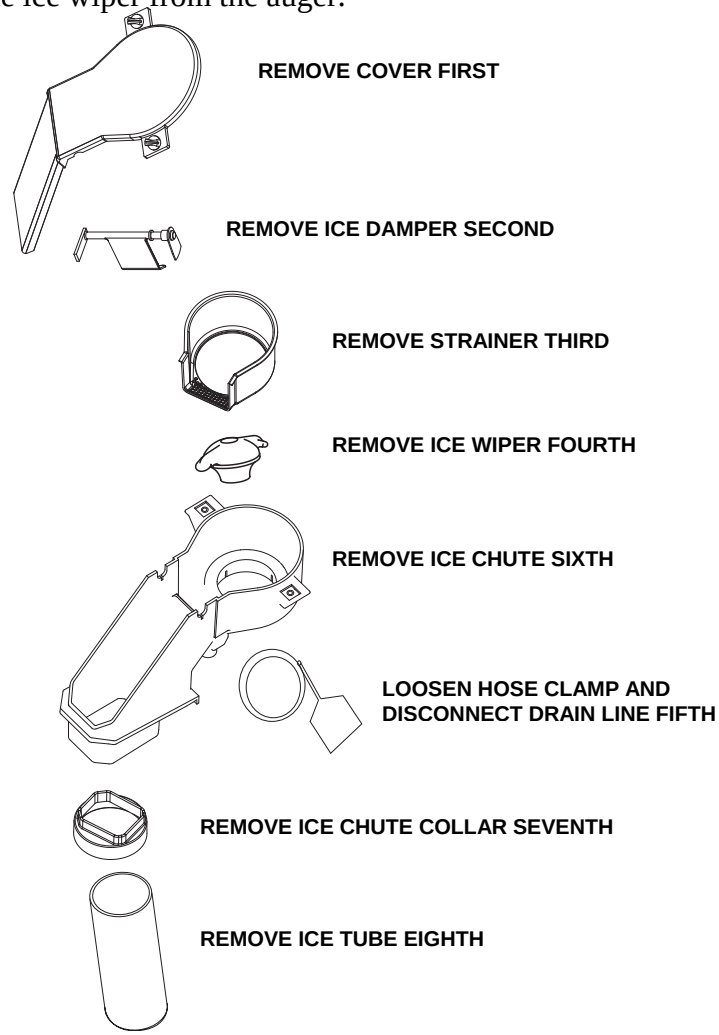
Flex Jaw Coupling Assembly Replacement

Installation Instructions

1. Disconnect water supply.
2. Remove front panel.
3. Move toggle switch to CLEAN position after the 5 minute delay expires the evaporator and float chamber will drain.

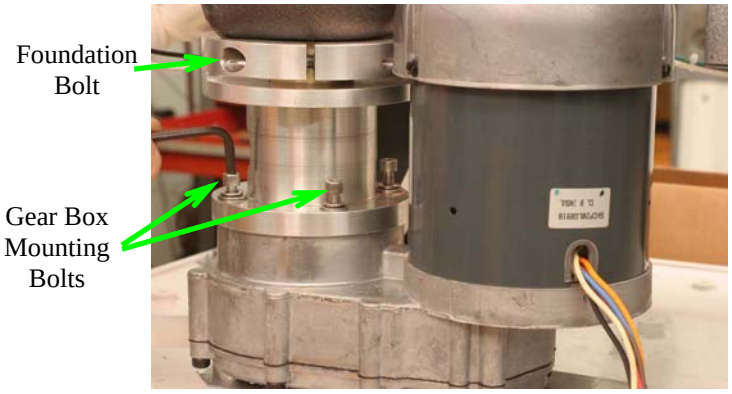
> **⚠ WARNING**
> Disconnect power to the ice machine at the electrical disconnect, moving the toggle switch to the off position will not disconnect line voltage.

4. Disconnect power at electrical disconnect.
5. Remove top and right side panels.
6. Remove ice chute assembly.
   NOTE: Gearbox has a clutch that insures correct rotation – If the ice wiper cannot be hand removed; place the handle end of a screwdriver against the ice wiper, then tap the screwdriver (counterclockwise) with a hammer to loosen the ice wiper from the auger.



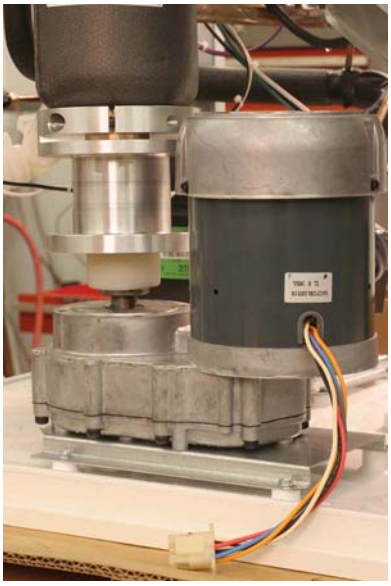
Manitowoc Ice, Inc.
2110 South 26th Street, P.O. Box 1720, Manitowoc, WI 54221-1720 USA
Telephone 920-682-0161, Fax - Sales: 920-683-7589, Service/Parts: 920-683-7585, Other: 920-683-7879
Web Site - www.manitowocice.com

Remove the foundation bolts from the evaporator foundation with 1/4” Allen wrench. Remove the gear box mounting bolts with a 3/16” Allen wrench.



1. Secure evaporator with wire to a broom handle or other suitable object; raise enough to allow removal of the spline hub and evaporator foundation.





2. Remove evaporator from the evaporator foundation.
3. Loosen Allen set screws on gear box and evaporator- use a puller to remove the spline hub from each shaft.



Flex Jaw Coupler



Gearbox 1/2 **Spider** **Evaporator 1/2**

SF0400/SN0450/SF0600/SN0650 Models

5. Install coupler on gear box:
   A. Place a 17/64” drill bit between the gear motor and hub.
   B. Press down on hub until it contacts the drill bit.
   C. Tighten set screw 100 in/lbs (8.3 ft/lbs) and remove drill bit.
   D. Use Loctite 242

SF0900/SN0950/SF1200/SN1250 Models

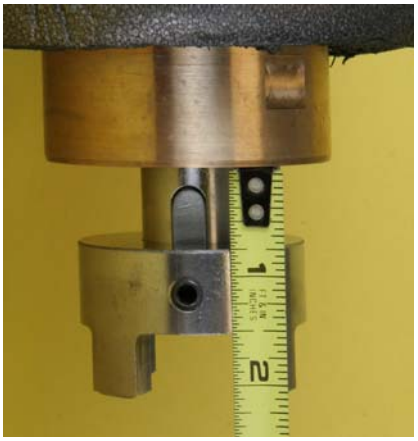
5. Install coupler on gear box:
   A. Place a 3/16” drill bit between the gear motor and hub.
   B. Press down on hub until it contacts the drill bit.
   C. Tighten set screw 100 in/lbs (8.3 ft/lbs) and remove drill bit.
   D. Use Loctite 242



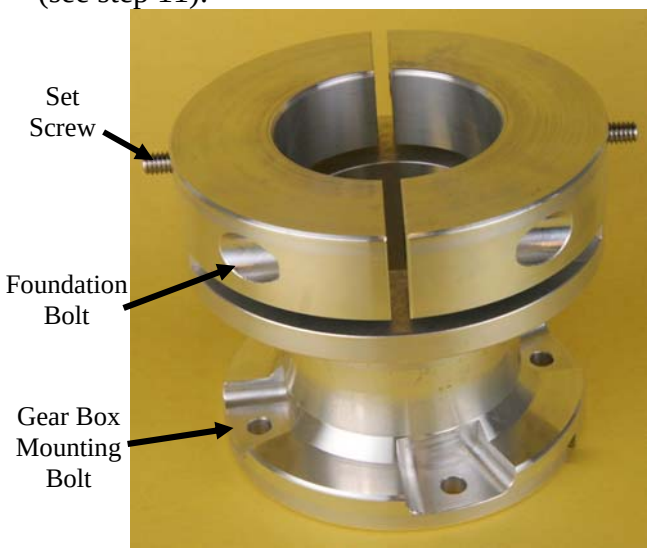
6. Install coupler on evaporator:
   A. Place a 17/64”drill bit between the evaporator and coupling.
   B. Press up on coupling until it contacts the drill bit.
   C. Tighten set screw and remove drill bit.
   D. Insert spider



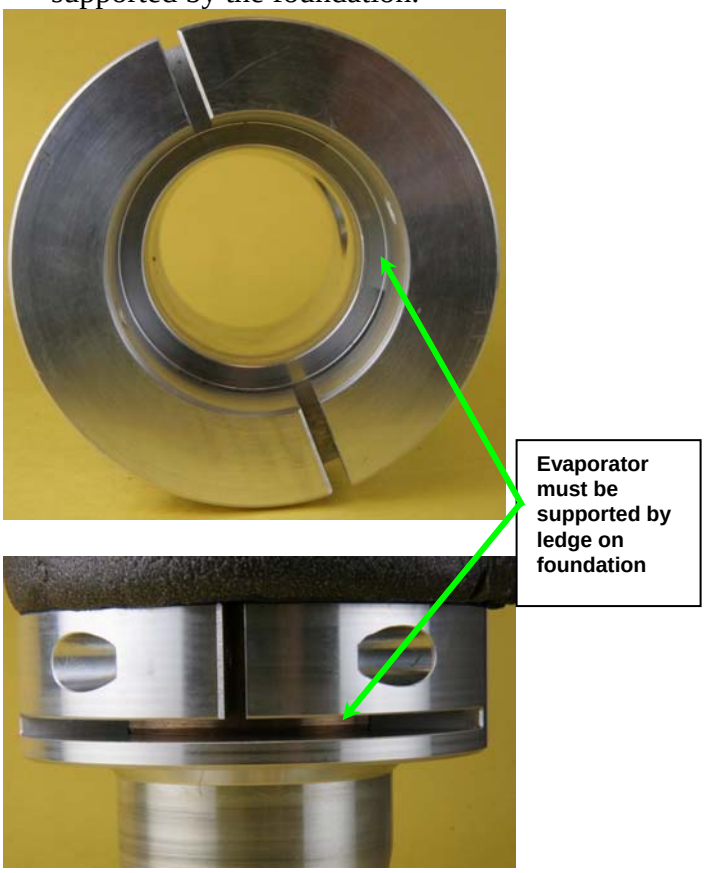
6. Install coupler on evaporator:
   A. Measure 3/4” between the evaporator and coupling.
   B. Tighten set screw and remove drill bit.
   C. Insert spider



NOTE: The new foundation has set screws attached that need to be installed and tightened to 60 in/lbs (5 ft/lbs) after the foundation has been torqued (see step 11).

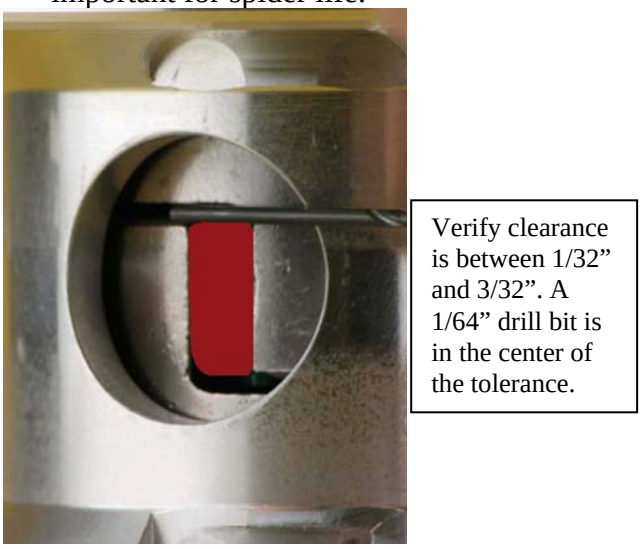


7. Press fit the new foundation on the evaporator and temporarily install ice wiper.
8. Lower the evaporator onto the gearbox and turn auger until the coupler halves engage. Do not allow the coupler to support the weight of the evaporator. Verify the evaporator rests on and is supported by the foundation.



Reinstall gear box mounting bolts (1/4-20 x 3/4) into gear box – tighten bolts in an alternating pattern (front, back, left, right) torque foundation bolts until split washer flattens out 60 in/lbs (5 ft/lbs).

9. Verify the gap between the coupling is within specifications by inserting drill bits. The gap must be 1/32”to 3/32” with 1/16” being the center of the tolerance. Adjust the evaporator coupling if required to obtain the correct clearance this is very important for spider life.



10. Torque the two foundation bolts(5/16-18 x 2)
    A. Torque the foundation bolts evenly alternating left, right, left, right to apply even pressure.
    B. Torque bolts to 200 in/lbs (±5 in lbs)
    Note: 200 in/lbs = 17 ft/lbs.



Torque Foundation Bolts

11. Torque the two set screws to 60 in/lbs (5 ft/lbs).
12. Reassemble ice chute components.
13. Restore power and water, then test run the ice machine for 10 minutes.