MANITOWOC ICE
2110 SOUTH 26TH STREET, MANITOWOC, WI 54220

800-545-5720
WWW.MANITOWOCICE.COM

Instruction Sheet

Subject: Compressor Replacement Instructions

IT0500 TRADITIONAL REMOTE CONVERSION KIT

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

⚠Warning

This equipment contains refrigerant charge. Procedures must be performed by a properly trained and certified refrigeration technician aware of the dangers of dealing with refrigerant charged equipment.

⚠Warning

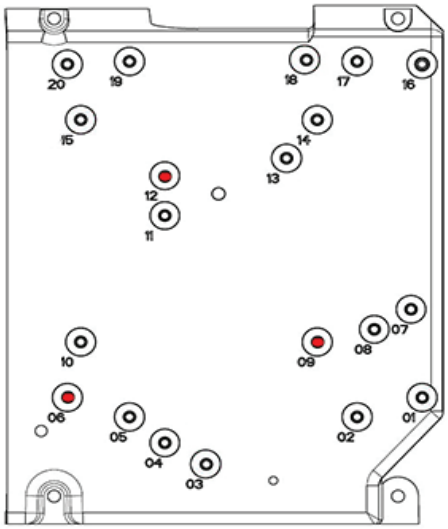
Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, local/national regulations for disconnection / lock out / tag out procedures for all utilities including electric, gas, water and steam.

The table below lists the items used for compressor replacement. Refer to your specific model in the following pages.

Parts Included
Compressor 115V/60Hz/1Ph
Control Box Wiring Harness 115V/60Hz/1Ph
Compressor Wiring Harness
Compressor Grommet Mounting
Stand-off Stud
Retaining Clip
Run Capacitor 50 MFD 480V
PTCR
PTCR Mounting Bracket
Contactor - 1 Pole 115V
Copper Tubing 0.25” Liquid Line
Copper Tubing 0.5” Suction
Copper Tubing 0.312”
Copper Tubing 0.375”
“T” Fitting 0.5”x 0.5”x 0.375”
Thermistor 0.312” Insulation Boot
Thermistor 0.312” Tube Spring Clip
Insulation Tube 1.13” x 0.38” x 28.00”
Insulation Tape 2”
Label Wiring Diagram Air/Water

Document Number: 000018538 11/24

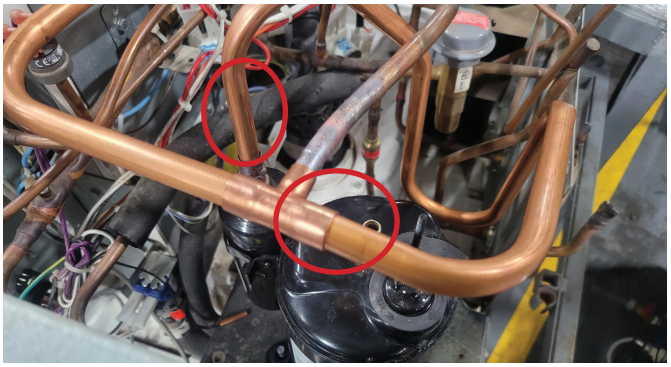
1. Install stand off studs on compressor mount holes 6, 9, and 12.



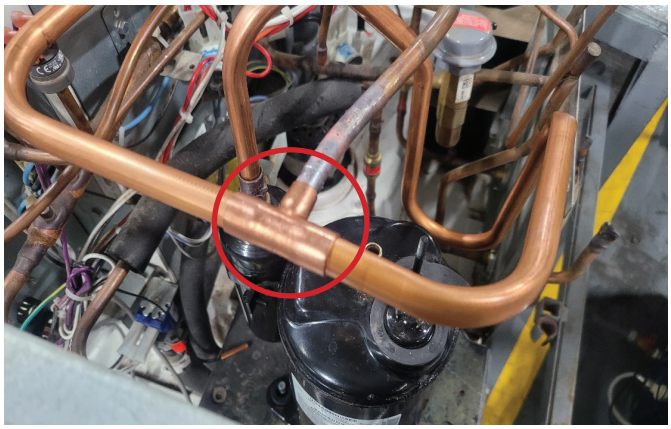
2. Install compressor grommets on compressor and compressor on mounts using retaining clips. Harness connection should point to the right.



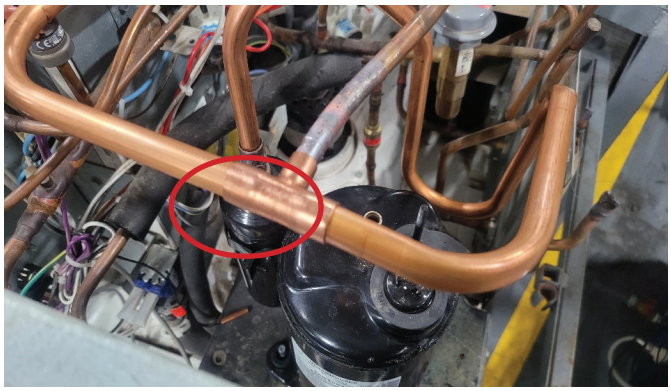
3. Install and braze copper tubing (0.375”) to the outlet of the suction connection on the compressor.

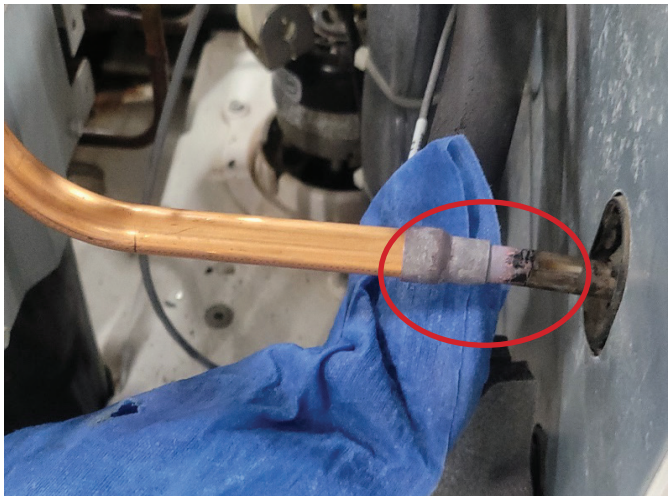


4. Install and braze “T” fitting (0.5”x 0.5”x 0.375”) to end of copper tubing (0.375”).



5. Install and braze copper tubing (0.5”) to other side of “T” fitting (0.5”x 0.5”x 0.375”) and then braze into Evaporator outlet.





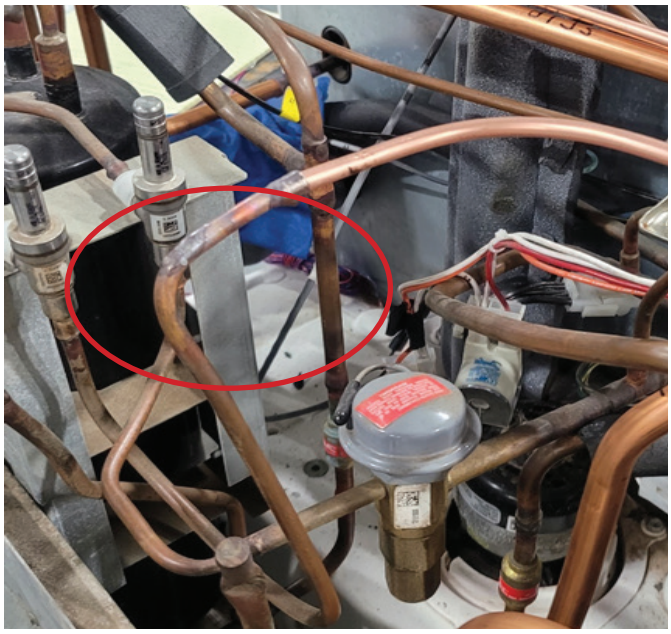
6. Install and braze copper tubing (0.312”) to discharge of compressor.



7. Install and braze copper tubing (0.250”) to TXV inlet.



8. Install and braze copper tubing (0.250”) to liquid line valve. Reinsulate and tape copper tubing.



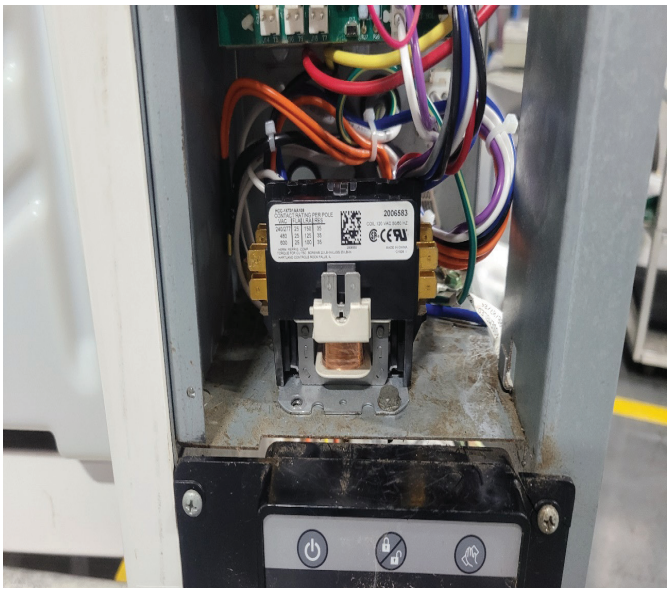
9. Install T3 with thermistor spring clip (0.312”) and insulation tube (1.13”x0.38”x28.00”) to compressor discharge line.



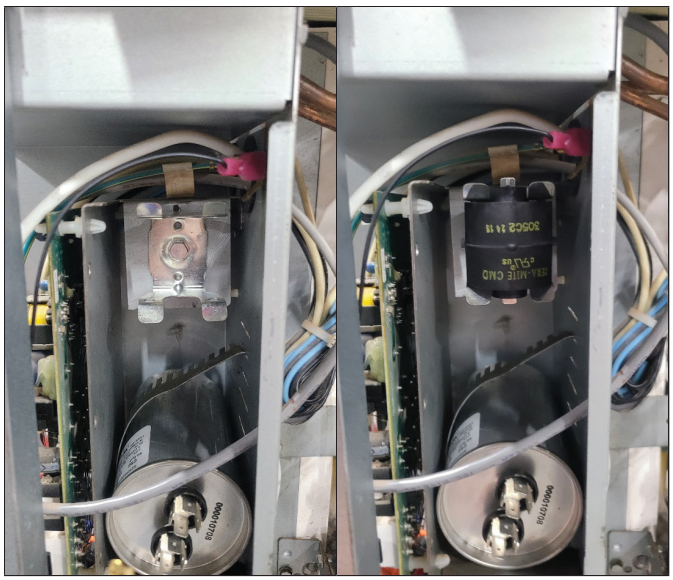
10. Install wiring harness to compressor in accordance with new wiring diagram.



11. Install new contactor (115V).



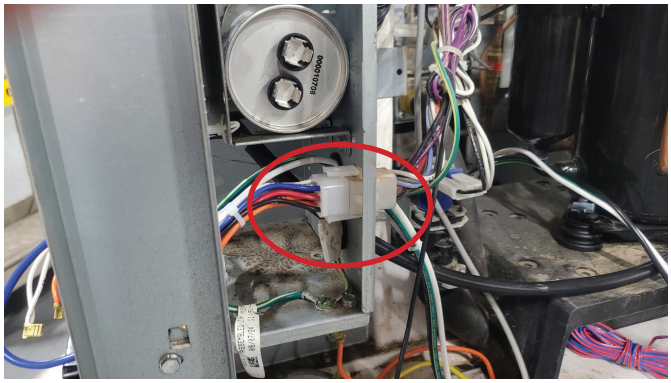
12. Install PTCR into PTCR mounting bracket.

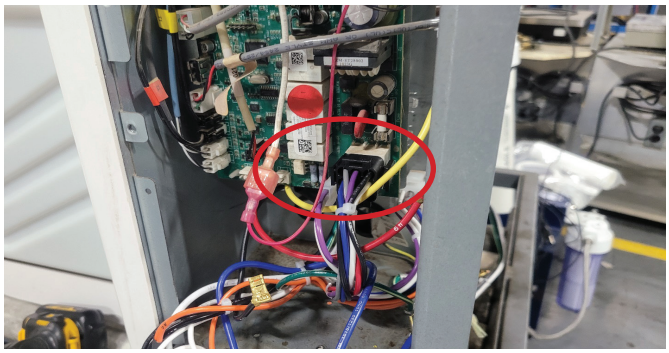


13. Install run capacitor.



14. Install control box wiring harness.





15. Rewire the system and charge the ice machine in accordance with the Service Technician's Handbook, Instruction and Wiring Diagram.
16. Cover old Wiring Diagram with new label.
17. Recharge the unit in accordance with the refrigerant charge tag.