MANITOWOC ICE
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Instruction Sheet

Subject: Compressor Replacement Instructions

IT1900 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

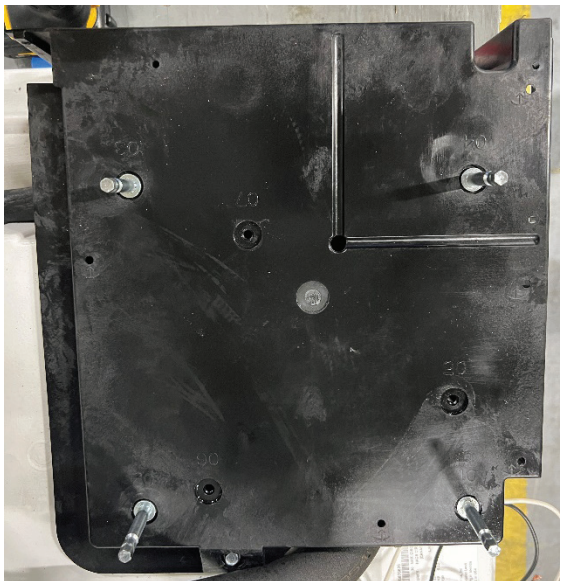
Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, local/national regulations for disconnection / lock out / tag out procedures for all utilities including electric, gas, water and steam.

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

Parts Included	
Compressor 208-230V/60Hz/1Ph	Insulation Tube 0.751” x 0.38” x 30.00”
Control Box Wiring Harness 208-230V/60Hz/1Ph	Insulation Tube 0.5” x 0.25” x 8.5”
Compressor Wiring Harness Molded Plug	
Compressor Grommet	
Stand-off Stud	
Washer	
Retaining Clip	
Run Capacitor 208-230V/50-60Hz/1Ph	
PTCR	
PTCR Mounting Bracket	
Filter Drier	
Tube - Drier > Liquid Line Solenoid 0.25” Straight	
Copper Tubing 0.25” x 7.42”	
Copper Tubing 0.375” x 20.28”	
Copper Tubing 0.5” x 7.84”	
Copper Tubing 0.5” x 7.86”	
Copper Tubing 0.5” x 20.84”	
Copper Tubing 0.625” x 10.75”	
“T” Fitting 0.5” x 0.5” x 0.375”	
“T” Fitting 0.5” x 0.5” x 0.5”	
Thermistor 0.5” Insulation Boot	
Thermistor 0.5” Tube Spring Clip	

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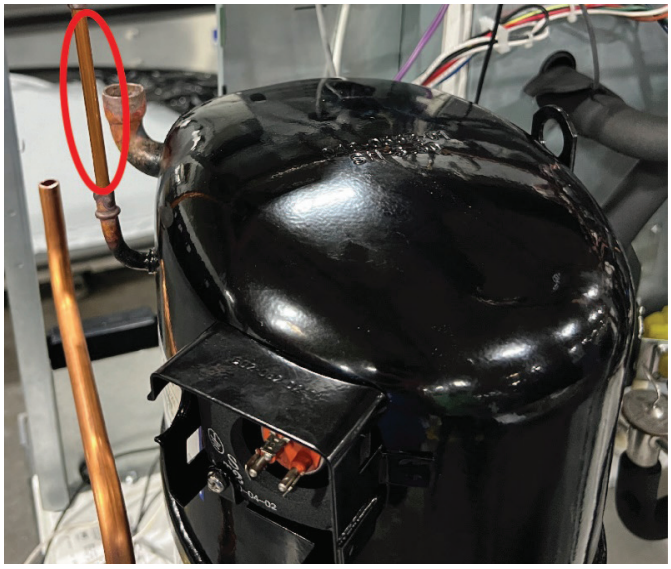
1. Install stand off studs on compressor mount holes..



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



3. Install and braze tube - drier > liquid line solenoid (0.25” Straight) to the outlet of the suction connection on the compressor.



4. Install and braze “T” fitting (0.5” x 0.5” x 0.375”) onto tube - drier > liquid line solenoid (0.25” Straight)



5. Install copper tubing (0.25” x 7.42”) to top of “T” fitting (0.5” x 0.5” x 0.375”) and other side to the “T” fitting for suction access schrader valve. Reuse suction access valve and install and braze on the top of the “T” fitting (0.5” x 0.5” x 0.375”). Secure schrader access fitting on the front of the machine as it had been before removal.

6. Install and braze copper tubing (0.375” x 20.28”) to between the horizontal access of the “T” fitting (0.5” x 0.5” x 0.375”) and the outlet of the harvest pressure regulating valve.



7. Install and braze copper tubing (0.5” x 7.84”) to the discharge line.



8. Install and braze “T” fitting (0.5” x 0.5” x 0.5”) to the outlet side of copper tubing (0.65” x 10.75”). Place insulation tube (0.751” x 0.38” x 30.00”) on copper tubing (0.625” x 10.75”).



9. Install and braze copper tubing (0.5” x 7.86”) to the top of “T” fitting (0.5” x 0.5” x 0.5”) and to the inlet side of manifold strainer.



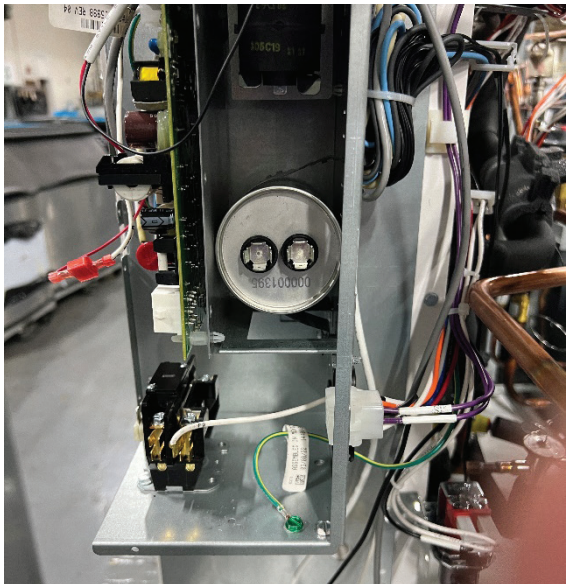
10. Install and braze copper tubing (0.5” x 20.84”) to the “T” fitting (0.5” x 0.5” x 0.5”) and to the inlet side of the discharge line check valve. Place insulation tube (0.5” x 0.25” x 8.5”) on copper tubing (0.5” x 20.84”).



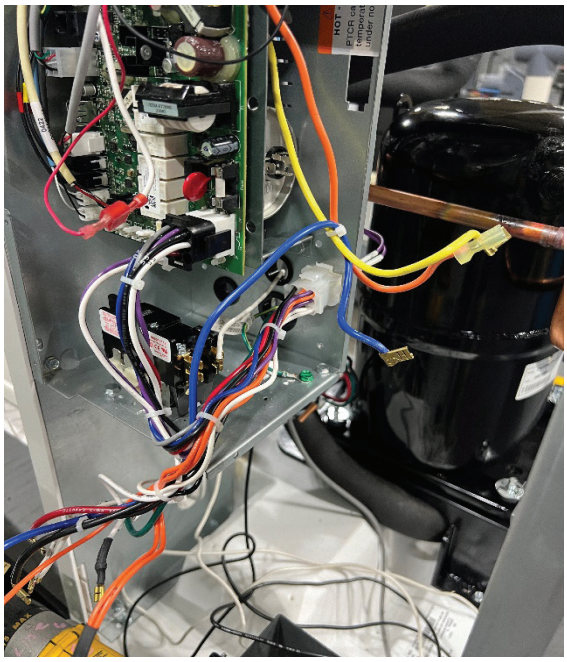
11. Install and braze filter drier.
12. Install compressor wiring harness molded plug to compressor.
13. Install PTCR mounting bracket behind the control board.



14. Install PTCR into PTCR mounting bracket.
15. Install run capacitor below PTCR.



16. Install new control box wiring harness.



17. Reclamp T2 thermistor on compressor discharge line with thermistor 0.5” tube spring clip and thermistor 0.5” insulation boot.
18. Rewire the system and charge the ice machine in accordance with the Service Technician’s Handbook, Instruction and Wiring Diagram.
19. Recharge the unit in accordance with the refrigerant charge tag.