

Instructions

Please complete each step and attach a copy of this form to the work order. If the PM includes pull-though work, please attach to work order 2. If there is no pull-through work, please attach to work order 1.

Store T#

Any repairs found during the completion of this form should be proposed on refrigeration PM work order 2.

Racks and Condensing Units_

- □ Complete acid test on each rack
 - If acid is indicated during test, please list rack(s) _____
 - If acid is indicated, propose on work order 2 to install acid core dryers and oil change

□ Preform non-condensable check on all RTCR/Racks per attached best practice

- If failed, please list rack(s) ____
- □ Check conditions of oil, oil separator filter, oil filter, liquid line filter dryer, and ensure suction filters are pulled for all RTCR/Racks
 - List rack(s) that require oil change ______
- □ Set DDR valve, condenser holdback, and receiver pressurization valve per attached pest practice and Target ROG for all RTCR/Racks

* If RPV needs replacement, replace with A9 5/8 port 5/8 connection

•	Rack	DDR	CHB	RPV
•	Rack	DDR	CHB	RPV

- Rack_____ DDR_____ CHB_____ RPV_____
 Rack_____ DDR_____ CHB_____ RPV_____
- $\hfill\square$ Verify proper sequence of operation for all condensers (fans, valves, etc.)
- □ Check condition of the condenser coil (damaged, deteriorated, etc.)
 - Note condenser findings on WO2 and attach pictures
- □ Measure and record the temperature split across all condenser coils according to refrigeration industry standards (air in and out)
 - List rack(s) _
- □ Ensure racks are running at 25-35% full condenser 30-40% split condenser refrigerant in the receiver
 - List rack(s) not within guidelines ______ and propose on WO2
 - Super Target's may not fall under these parameters. Have service manager to reach out to technical lead.

□ Verify proper sequence of operations and set-up for subcooler (temp/pressure sensors, EPR, settings in subcooler controller, and vapor injection valves). Set according to Target ROG settings.

- Rack(s) _
- □ Check condition of the compressor contactors and repair or replace as necessary for proper operation
 - Propose any necessary work on WO2
- □ Tighten all high/low voltage electrical connections in all RTCRs/DCRs/racks and condensers
- □ Ensure proper sequence of operation for all compressor safeties
 - Low pressure setting below REMS setting / high pressure setting above REMS setting
 - Verify oil controls and demand cooling functions
- □ Silicone all rub points in all RTCRs/racks
- □ Check full operations of all CUs and set per Target ROG (safeties, pressure controls, and pump down)

- □ Salesfloor HVAC conditions (take field reading at sensor location with sling using standard HVAC/R practices)
 - Dry bulb _____ Wet bulb _____ R/H% _____ Dew point ____
 - If less than 5%, enter off-set into E2 controller / If greater than 5%, contact EMC for new sensor

 For systems with adiabatic air cooled condensers, inspect filter media for deterioration and/or material buildup

Walk-ins

- □ Check to ensure all walk-in doors close and all door switches are operational
- □ Inspect all walk-in door gaskets for tears or rips, ensure gasket is completely attached to door, making a complete seal around entire perimeter
- $\hfill\square$ Check for heavy ice buildup in walk-in freezer
- □ Ensure all evaporator fans are operational
- □ Ensure all walk-ins terminate defrost correctly, ensure fans cycle during defrost
- □ Check walk-in freezers for strip curtains; inform PML of any missing or damaged curtains (strip curtain is PML responsibility)
- $\hfill\square$ Check that evaporators in all walk-ins are clean
 - Propose cleaning on WO2
- □ Check and balance superheat on all walk-in evaporators
 - All coils on a circuit should be within one degree of set-point

Salesfloor Cases

- $\hfill\square$ Check that all cases are free of ice buildup
- $\hfill\square$ Ensure all systems are properly terminating during defrost
- □ Check conditions of wires and contactors in the anti-sweat control panel (lighting, door heat panel)
- □ Check and balance superheat on all cases
 - All coils on a circuit should be within one degree of set-point
 - EEPRs should average 20-40% closed

Leak Check

*Replacement parts for leak detection system should be ordered through EMC

- □ Leak check racks, condensers, walk-ins, and salesfloor cases using electronic leak detection system and soap bubbles
- □ Ensure leak detection system is fully operational in all walk-ins, at the DCR, and in the PUC
- □ Use test gas to validate PPM alarm threshold level for each leak detection sensor
- □ Validate WI horns and strobe lights are functioning during the leak detection sensor test
- □ Validate alarm is registering on Einstein controller
- □ Validate front office remote alarm horn, light and silence switch are functional

Refrigerant Type	System Type	Alarm Set Point (PPM)	Alarm Delay
R-404A	Leak Transducer	*65	No Delay
R-134A/R-513A	Leak Transducer	*250	No Delay
R-407A	Leak Transducer	*100	No Delay
R-448A / R-449A	Leak Transducer/IRLDS	100	No Delay/10 min if IRLDS
R-744 EMC Leak Detection	Leak Transducer	*2000	No Delay
IRLDS Leak Detection (All refrigerants)	Infrared Leak Detection System	*750	10 min.

*Industry standard is 100 ppms for Leak Transducers, but high alarm limits may reflect different values in Ultrasite depending on Refrigerant type.

Technician's Signature _____

Date

EPA #____